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# NEW MEXICO ENVIRONMENT DEPARTMENT

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# CERTIFIED MAIL - RETURN RECEIPT REQUESTED

March 2, 2010

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CE: APPROVAL SITE SPECIFIC FINAL REPORT
OPEN BURN / OPEN (OB/OD) DETONATION UNIT
KICKOUT INVESTIGATION
FORT WINGATE DEPOT ACTIVITY,
MCKINLEY COUNTY, NEW MEXICO
EPA ID# NM6213820974
FWDA-09-006

Dear Messrs. Patterson and Smith:

The New Mexico Environment Department (NMED) has completed its review of the Department of the Army's (the Permittee) *Site Specific Final Report, Open Burn / Open Detonation (OB/OD) Unit Kickout Investigation Report* (the Report), dated October 2009. This submittal is in response to NMED's Approval with Modifications letter dated June 5, 2008 and the work was performed in accordance with the requirements outlined in the Final Kickout Delineation Work Plan dated July 9, 2008. Based on the information provided, NMED hereby approves the Report.

Messrs. Patterson and Smith March 2, 2010 Page 2

If you have any questions please call Tammy Diaz of my staff at 505-476-6056.

Sincerely,

John E. Kieling Program Manager

Permits Management Program

Hazardous Waste Bureau

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FWDA 2010 and Reading File FWDA-09-006

Judith Wilson, BIA

# FINAL SITE SPECIFIC FINAL REPORT

Open Burn / Open Detonation (OB/OD) Unit Kickout Investigation
Fort Wingate Depot Activity
McKinley County, New Mexico

PREPARED FOR:

U.S. ARMY ENGINEER DISTRICT, FT WORTH
PO BOX 17300
FORT WORTH, TX 76102-0300



Contract W912BV-04-D-2016 Delivery Order DY02

PREPARED BY:

PIKA INTERNATIONAL, INC. 12723 CAPRICORN DRIVE, #500 STAFFORD , TX 77477



PIKA Project #08-12-137

October 2009



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# **ACRONYMS AND ABBREVIATIONS**

52 CX Schonstedt GA-52Cx Heliflux magnetometer

AHA Activity Hazard Analysis

APP Accident Prevention Plan

BIA Bureau of Indian Affairs

BRAC Base Realignment and Closure

CAHA Certificate of Activity Hazard Analysis

CAMU Corrective Action Management Unit

CAR Corrective Action Request

CE Conditional Exemption

CESWF U.S. Army Corps of Engineers, Fort Worth District

CFR Code of Federal Register

DGM Digital Geophysical Mapping

DGPS Digital Global Positioning System

DID Data Item Description

DoD Department of Defense

DQO Data Quality Objectives

ECM Earth Covered Magazine

EM Electro-magnetic

EP Engineering Pamphlet

EPA Environmental Protection Agency

ft Foot or feet

FWDA Fort Wingate Depot Activity

GPO Geophysical Prove-Out

GPS Global Positioning System

IAW In Accordance With

lbs pounds

MD Munitions Debris

MEC Munitions and Explosives of Concern



# **ACRONYMS AND ABBREVIATIONS (Continued)**

MKM MKM Engineers, Inc.

MR Munitions Rule

NC No-contact

NMED New Mexico Environment Department

OB/OD Open Burn/Open Detonation

OESS Ordnance and Explosives Safety Specialist

OSHA Occupational Safety and Health Administration

PA Programmatic Agreement

PIKA PIKA International, Inc.

PM Project Manager

QAM Quality Assurance Manager

QC Quality Control

RCRA Resource Conservation and Recovery Act

RTK Real-Time Kinematic SOW Statement of Work

SSHP Site Safety and Health Plan

SUXOS Senior UXO Supervisor

TCS Thermal Convection System

USACE United States Army Corp of Engineers

UXO unexploded ordnance

UXOQCS UXO Quality Control Specialist

UXOSO UXO Safety Officer

WMM Waste Military Munitions

WP Work Plan

WSMR White Sands Missile Range

XLT White's Spectrum XLT



#### **EXECUTIVE SUMMARY**

PIKA International, Inc. conducted an investigation to delineate the extent of the open burn/open detonation (OB/OD) Unit Kickout Area at Fort Wingate Depot Activity (FWDA). The primary objective of this project was to confirm and define the outer boundary of the kickout from operations of the two OB/OD areas, which for this investigation they were considered one area which is located in Parcel 3 of FWDA. Defining the outer kickout boundary was accomplished by using analog geophysical equipment to investigate transect lines in order to identify the locations of surface and subsurface anomalies that may represent Munitions and Explosives of Concern (MEC) or Munitions Debris (MD) associated with the former activities at the OB/OD area. Quality Control (QC) was conducted using EM61-MK2 Digital Geophysical Mapping (DGM). The investigation was conducted from August 17, 2008 to April 24, 2009.

The work was performed on behalf of the U.S. Army Corps of Engineers (USACE), Fort Worth District under Contract No. W912BV-04-D-2016, Delivery Order DY02. All work was accomplished in accordance with the Statement of Work, USACE Safety Manual (EM 385-1-1), 29 CFR1910.120, the Approved Site-Specific Work Plan with its integral Accident Prevention Plan and Work Plan Addendum, Engineering Pamphlet (EP) 385-1-95a, Basic Concepts and Considerations for Ordnance and Explosive Operations, Data Item Descriptions (DID's), and other USACE guidance documents.

A total of 998 transects were investigated, totaling 205,720 linear feet, with DGM evaluation totaling 22,465 linear feet. A total of 1,831 targets were dug, resulting in removal of approximately 677 pounds of MD and 205 pounds (lbs) of scrap metal; no MEC was encountered. Over 7,543 man-hours were recorded with no lost-time accidents or property damage.



#### 1.0 INTRODUCTION

This site specific report was prepared by PIKA International, Inc. (PIKA) to describe the activities conducted to delineate the extent of the OB/OD Unit Kickout Area at FWDA. The primary objective of this project was to delineate the outer boundaries of the OB/OD Unit Kickout Area in accordance with Resource Conservation and Recovery Act (RCRA) Permit No. NM 6213820974. The permit was issued by the New Mexico Environment Department (NMED), for the FWDA facility (the "Permit"), and support by the Programmatic Agreement (PA) among the United States Army, the Navajo Nation, the Pueblo of Zuni, the New Mexico State Historic Preservation Officer, and the Advisory Council for Historic Preservation for Environmental Restoration Activities to be undertaken at FWDA and Associated Project Lands. All work was performed in accordance with the requirements outlined in the Final Kickout Delineation Work Plan (WP), May 2008, and the statement of work (SOW).

#### 1.1 Project Authorization

The work was performed on behalf of the U.S. Army Corps of Engineers, Fort Worth District (CESWF). Authorization for performance is contained in Contract No. W912BV-04-D-2016, Delivery Order DY02 issued to MKM Engineers, Inc. (MKM) by USACE, on May 30, 2006. The contract was novated to PIKA in May, 2008.

This work was accomplished in accordance with (IAW) the guidelines set forth in the SOW and applicable Department of Defense (DoD) guidance for MEC operations. All work was accomplished IAW the SOW, USACE Safety Manual (Engineering Manual 385-1-1), 29 CFR1910.120, the Approved Site-Specific WP with its integral Accident Prevention Plan (APP), Engineering Pamphlet 385-1-95a, Basic Concepts and Considerations for Ordnance and Explosive Operations, Data Item Descriptions, and other USACE guidance documents.

#### 1.2 Site Location

FWDA is located in northwestern New Mexico in McKinley County, approximately 8 miles east of Gallup, New Mexico. The terrain is best described as gently hilly



to steep inaccessible terrain, that has mixed pine and hardwood forests. Appendix A contains several figures including Figure 1-1, a generalized map of the project location, and Figure 1-2, illustrating the location of Parcel 3.

#### 1.3 Site History

FWDA is an inactive U. S. Army Depot whose former mission was to store, ship, and receive material and to dispose of obsolete or deteriorated explosives and military munitions. Fort Wingate was established in 1860. In 1941, the Fort underwent major construction and expansion for the administration and igloo area. In 1971, the depot was placed in reserve status and renamed Fort Wingate Depot Activity. From 1975 to 2008, the installation was under the administrative command of the Tooele Army Depot in Tooele, Utah. The active mission of FWDA ceased and the installation closed in January 1993, as a result of the Defense Authorization Amendments and Base Realignment and Closure (BRAC) Act of 1988. The installation is now under the administrative command of White Sands Missile Range (WSMR).

The installation is almost entirely surrounded by federally owned or administered lands, including both national forest and tribal lands. North and West of FWDA are Navajo tribal trust and allotted lands. The Bureau of Indian Affairs (BIA) administers the land in Parcel 1 located east and south of Parcel 3. The land to the West is mostly undeveloped and is tribal trust and allotment land administered by the BIA, Navajo Nation, and individual Native American allottees. FWDA currently occupies approximately 24 square miles (15,273 acres) of land with facilities formerly used to operate a reserve storage facility providing for the care, preservation, and minor maintenance of assigned commodities—primarily conventional military munitions.

# 1.4 Objective and Scope

The primary objective of this project was to confirm and define the outer boundary of MD/MEC kickout from the demolition areas as a result of operations at the OB/OD area. This was accomplished by indentifying a kickout boundary based on the lateral extent of known kickout found to date; extending the investigation area outward 275 feet to establish investigation boundaries and



investigation transects . Analog geophysical equipment was used to investigate transect lines in order to identify the locations of surface and subsurface anomalies that may represent MEC or MD associated with the former activities at the OB/OD Units.



#### 2.0 TECHNICAL EFFORT

PIKA established two boundaries around the site to investigate and define the kickout area in Parcel 3, they were:

- A boundary line to establish the historic kickout boundary based on historical MD/MEC discovery;
- a parallel transect line 275 feet (ft) away from the historic MD/MEC discovery line (above) identified as the outer transect boundary for this investigation. The outer transect line was located 275 ft away from the furthest known kickout as required by the RCRA permit.

This outer transect line was the first of two investigation transects used to determine the kickout boundary. The second transects were established every 100-ft along the outer transect boundary around the OB/OD area. The investigation transects extended outward and inward from the OB/OD area depending upon investigation. The 100-ft line spacing was chosen based upon the USACE Engineering Manual 1110-1-4009, Military Munitions Response Actions (15 June 2007). Table 7-1 in Engineering Manual 1110-1-4009 recommends that the area for investigation for sector sizes greater than 1000 acres is 0.50% to 0.75% of the total area. With transects every 100-ft, the investigation conducted exceeded these requirements. Table 2-1 below provides a summary of the extent of this investigation.

Then, using hand-held analog geophysical equipment, PIKA conducted an investigation of transects (both the outer transect boundary and the emanating transects) to locate and identify the surface and subsurface metallic anomalies that potentially represented MEC/MD items. Figure 2-1 (Appendix A) shows where the kickout boundary and transects were established and investigated during the investigation. All anomalies located during this investigation were excavated or acquired by Unexploded Ordinance (UXO) Technicians; the acquired item was then characterized to determine whether the anomaly was a MEC/MD item associated with the OB/OD area activities.



When a MEC/MD item was detected in a transect, the transect was extended 275 ft out from the location of that detection to ensure 275 ft buffer from last known MD/MEC. This procedure was followed until no MEC/MD items were detected on that transect.

PIKA utilized a Trimble 5700 Real Time Kinematic (RTK) global positioning system (GPS) to accurately place the outer transect boundary and transect locations along the kickout investigation boundary. GPS coordinates were generated from the base GPS maps for the outer transect boundary; as well as the start and finish of each transect. In the field, again using the handheld GPS system the outer transect boundary was located in the field, laid out, and investigated. Once that outer transect boundary was investigated, transects starting points were established along that boundary, and each transect was laid out in the field, and investigated. Using the handheld GPS system, data points were collected to establish the position of MEC/MD items discovered and recovered during the kickout delineation task. During this investigation a total of 205,720 ft (38.962 miles) of transects were investigated to identify and establish the outer kickout boundary.

TABLE 2-1
INVESTIGATION ACREAGE SUMMARY

Total acres inside kickout boundary	3,251.675
Total acres inside historic kickout boundary	2,759.345
Total acres investigated (area between two boundaries)	492.33
Acres of transect investigated	14.167
Acres of QC (using DGM)	1.547

Figure 2-1 (Appendix A) illustrates the boundary transects that were investigated during this field effort. During the investigation Transect Sheets were completed to document the results of the daily investigation. The Transect Sheets identify the starting and end point of each transect, the length of each transect investigated, the location of anomalies detected, and the number and type of each anomaly identified. Transect Sheets are included in Appendix B.



#### 2.1 Equipment

In accordance with the RCRA permit requirements (Section IV.A), the Kickout Area geophysical investigation included the use of the best-available technology based on a site-specific geophysical prove-out. PIKA utilized a two-pronged approach to investigate transects: using Schonstedt and Whites metal detectors which are hand-held analog geophysical equipment and a EM61 DGM for QC in areas where feasible.

# 2.1.1 Hand Held Analog Geophysical Equipment

UXO personnel used the Schonstedt GA-52Cx Heliflux magnetometer (52 CX) for the location of ferrous anomalies and the Whites Spectrum XLT (XLT) to locate non-ferrous anomalies. The depth of detection for a given item depends on the size and orientation of the target item, as well as the characteristics of the soil. A test plot was established and all instruments were verified daily prior to use at the FWDA facility to verify operating and detection criteria IAW established requirements.

# 2.1.2 Digital Geophysical Mapping (Quality Control)

The Geonics EM61-MK2 time-domain metal detector was used to collect geophysical data at the site. This instrument was chosen based on its ability to detect both ferrous and non-ferrous metal items. Prior to QC use, the EM61 sensitivity and reliability were tested in the government provided Geophysical Prove Out (GPO) test area. The EM61 successfully detected 100% of the seed items during the GPO test. After the UXO technicians had investigated transects in an area, the EM61 was used to provide QC mapping of 10% of the area covered during the investigation. A total of 205,720 linear feet were investigated during this investigation and 22,465 linear feet of transects received QC mapping.

Navigation for the DGM was provided using the Trimble RTK GPS, which according to manufacturer's specified accuracy for the RTK system is  $\pm 10$  mm (horizontal). During the investigation the DGM system captured all positional and instrumental data digitally for subsequent analysis and evaluation. The field



geophysicist queried the web-based Almanac to monitor satellite availability. The DGM activities are discussed in more detail in Section 4.3.

## 2.2 Site Preparation

For this investigation, vegetation clearance was strictly limited to removal of obstructing branches, limbs, stalks, leaves or other above ground growth; not removal of plant, roots, or root zone soils. All brush clearing was done in coordination with the Zuni and Navajo cultural and archeological subcontractors. Whenever possible, transects were diverted around trees to avoid tree or brush removal.

#### 2.3 Site Removal Action

As stated above, PIKA's UXO personnel performed the investigation of all transects using hand-held analog geophysical equipment to locate items; characterize them, and record the results of these surface and subsurface anomalies that potentially represented MEC/MD items. Each transect was investigated and cleared to the detection limit of the instruments as discussed in Section 2.1 of this document. The DGM and visual inspections were used to verify the removal actions from 10% of the area to meet QC requirements. Initial and daily instrument tests were performed in accordance with MR-005-05.

All suspected items detected in the investigation on the surface or subsurface were marked with two crossed pin flags. Surface items were identified and characterized prior to recovery by a two person UXO team. Sub-surface items were excavated identified, characterized and removed by a two person UXO team utilizing a shovel or other hand tool and the completed excavation was rechecked with a magnetometer. The UXO Technician III Team Leader verified all potentially hazardous items as free of hazardous material prior to further processing. Once the item was characterized, it was removed for disposal and the excavation re-filled and foot tamped. If a suspected item was identified as MEC/MD, a digital photo was taken of the item and the location was recorded by using the established transect numbers and GPS. The location of the MD/MEC was recorded on the Transect Sheet; measurements were collected to record MEC/MD locations along transect and if necessary the transect was extended and



investigated to ensure the 275' was investigated and verified clear beyond the last identified MD/MEC.

All of the items discovered during this investigation were determined to be either MD or scrap metal; no MEC was encountered. All of the items discovered and investigated were removed for disposal as explained below in Section 2.6. All MD items were collected and stored in Earth Covered Magazines (ECM) as described in Section 2.5.

All excavation, removal of MD, and backfilling was done in coordination and with the oversight of the Zuni and Navajo cultural and archeological subcontractors to ensure this limited intrusive investigation was performed within cultural protocols.

# 2.4 Planned Transects not Investigated

The terrain and safety were the limiting factors to this investigation. There were two terrain obstacles which impacted the investigation; arroyos which were too steep or deep to investigate or geographical area in which the incline of hill sides or cliffs were also too steep to climb for investigation. These areas were a comparatively small area and are depicted on Figure 2-1 and Appendix C lists transects and base lines that were not investigated due to terrain and resulting safety concerns. Documentation of concurrence from the USACE Ordnance and Explosives Safety Specialist (OESS) is also included in Appendix C.

# 2.5 Storage of Removed Munitions Debris Items

All MD removed from the investigation area was stored under the "Conditional Exemption" (CE) provision in the Munitions Rule (MR) (62 FR 96621) promulgated by the Environmental Protection Agency (EPA). The State of New Mexico has adopted the MR and 40 CFR Part 266 (NMAC 20.4.1.700) that sets forth two approaches for the storage of Waste Military Munitions (WMM): CE Storage and Permitted Storage.

A total of eight (8) ECMs ("igloos") within the explosive storage area B have been designated for CE Storage of WMM. MD and scrap metal removed from the investigation area were inspected, inventoried, logged and securely stored within



these CE igloos. Final disposition of MD and scrap metal will be performed IAW the final Kickout Investigation WP (June 2008).

# 2.6 Waste Management

Items removed from transects were separated by type (MD or scrap metal, no MEC was encountered), and placed within the CE igloos (see Section 2.4). Following treatment the MD generated during this investigation will be processed through a thermal convection system (TCS) to enhance the recycle value of the metal. After the MD is processed through the TCS and certified as "explosives free" all of the metal (MD, and scrap) will then be shipped off-site to an approved off-site metals recycling facility.

# 2.7 Explosives Accountability

Explosives were received and stored within the CE igloos for the duration of the project. Due to the fact that no items were required to be blown in place, the explosives were unused and removed from FWDA. Explosive Accountability Records and shipment documentation are included in Appendix D.



#### 3.0 SAFETY

The APP was developed for the USACE as part of the WP generated by MKM in support of the SOW for this project. Authorization for performance is contained in Contract No. W912BV-04-D-2016, Delivery Order DY02 issued to MKM by USACE, on May 30, 2006. The contract was novated to PIKA in May, 2008.

During the course of work, PIKA personnel were involved with activities that exposed them to explosive, physical, and biological hazards which PIKA controlled through the use of engineering, administrative, and personal protective equipment controls. Additionally, since the operations conducted during this project were governed by the Occupational Safety and Health Administration (OSHA) hazardous waste standard in 29 Code of Federal Register (CFR) 1910.120 and 1926.65, a Site Safety and Health Plan (SSHP) was developed for this project.

During the SSHP development, an activity hazard analysis (AHA) of the tasks outlined below. The results of the AHA were expressed in the Certification of Activity Hazard Analysis (CAHA) forms presented in an attachment to the APP. Additional information on the activity hazard assessment process and the hazards associated with the tasks presented below were presented in Section 3.0 of the FWDA SSHP.

- Mobilization, site set-up;
- Location surveying and transect layout;
- Brush clearance;
- Geophysical surveying;
- Anomaly Investigation;
- Quality Control Inspections;
- Demolition of MEC items;
- Inspection/handling of MD and non-MD scrap; and
- Site tear-down and demobilization.



As required by OSHA in 29 CFR 1910.120(i) and 1926.65(i), PIKA provided all site personnel with hazard information training prior to their participation in site operations. The content of this and all required site-specific training was outlined in detail in section 5.2 of the SSHP.

#### 3.1 Emergency Response Training

All PIKA personnel involved with responding to an on-site emergency were briefed in their roles and responsibilities as part of the initial indoctrination training. During this training, PIKA personnel were briefed on the procedures in the emergency response and contingency plan presented in Section 15.0 of the SSHP.

# 3.2 Supervisor/Employee Safety Meetings

PIKA conducted a Site and Task Hazard Briefing prior to the deployment of personnel each day. This briefing was conducted by the SUXOS and augmented by the UXO Safety Officer (UXOSO). During this briefing, all PIKA and subcontractor personnel were briefed on the tasks to be conducted that day, the hazards associated with the tasks, and the mitigation methods that would be employed by site personnel to reduce or eliminate their risk of exposure.

#### 3.3 Safety and Health Inspections

During this investigation daily inspections were conducted by both the SUXOS and the UXOSO to ensure that site operations and personnel were complying with the APP, SSHP, and other regulatory requirements.

#### 3.3.1 Exposure Data

As required by MR-080, the PIKA Project Manager (PM) coordinated with the PIKA Corporate Environmental Safety and Health Manager on a monthly basis to ensure the acquisition and presentation of the exposure data. This included the number of man hours expended toward the contract, any reportable accidents that occurred during the month, and any reportable accidents that may have accumulated since the project start.



The exposure data for this project is as follows:

- Man-Hours Recorded in Direct Support for project: 7,543
- Number of Lost Workday Accidents: 0
- Number of Lost Workdays Due to On-the-Job Accidents: 0
- Number of Property Damage Accidents with Property Value of >\$2000: 0



#### 4.0 QUALITY CONTROL

Quality Control Surveillance and Inspection procedures were continually utilized to ensure the project goals and objectives were being met through compliance with the implementation of the WP and procedures as approved.

# 4.1 UXO Quality Control Specialist (UXOQCS)

The UXO Quality Control Specialist (UXOQCS) was responsible for verifying the specific QC monitoring requirements for the definable features of work for the project are described below. The following specifies the minimum requirements and to what extent QC monitoring was conducted by the project UXOQCS.

- Coordinated with the USACE and OESS to ensure that QC objectives appropriate to the project were set and all personnel were aware of these objectives;
- Maintained a QC log to document details for field activities during QC monitoring activities to serve as a memory aid in preparation of the Daily QC Report;
- Coordinated with PIKA's Quality Assurance Manager (QAM) to ensure that QC procedures were being followed and are appropriate for achieving data validity sufficient to meet QC objectives;
- Conducted periodic QC surveillances and inspection of all site activities and using the three-phase inspection process, recorded the findings in the Preparatory, Initial, and daily follow-on QC Reports;
- Reported noncompliance with Quality criteria to PIKA's QAM, PM, and SUXOS, identified the root cause of the non-conformance, and documented these non-conformances on the PIKA Nonconformance Report;
- Initiated a Rework Items List on nonconformance areas that had to be reaccomplished to meet quality specifications;
- Conducted QC meetings as required by the USACE and recorded meeting outcomes in the Daily QC Report;



- Coordinated with the responsible parties to initiate the proper corrective actions to be taken in the event of a QC deviation and documenting these actions in the daily QC report and
- Ensured that lessons learned are documented and forwarded to the PIKA QAM for analysis.

#### 4.2 Three-Phase Inspection Process

The UXOQCS ensured that the three-phase control process was implemented for each definable feature of work. Each control phase was important for obtaining a quality product; however, the preparatory and initial inspections were particularly invaluable in preventing problems. Production work was not performed on a definable feature of work until a successful preparatory and initial phase inspection had been completed.

#### 4.2.1 Preparatory Phase Inspection

A preparatory phase inspection was performed prior to beginning each definable feature of work. The purpose of this inspection was to review applicable specifications and verify the necessary resources, conditions, and controls were in place and compliant before the start of work activities.

The UXOQCS verified with the client that all pre-requisite submittals had been submitted and approved. The UXOQCS met with the SUXOS and the staff responsible for the definable features of work. He then generated and used a Preparatory Phase Inspection Checklist customized to fit the specific feature of work and site conditions.

## 4.2.2 Initial Phase Inspection

An initial phase inspection was performed the first time a definable feature of work was performed. The purpose of the inspection was to:

• Check the preliminary work for compliance with procedures and contract specifications;



- Verify inspection and testing and establish the acceptable level of workmanship;
- Check safety compliance and review minutes of the Preparatory Phase;
   and
- Check for omissions and resolve differences of interpretation.

The UXOQCS was responsible for ensuring that all discrepancies between site practices and approved specifications were identified and resolved. The UXOQCS also monitored the MEC operations and any response actions conducted at the worksite.

#### 4.2.3 Follow-up Phase Inspection

A follow-up phase inspection was performed each day a definable feature was performed. The purpose of the inspection was to ensure a level of continuous compliance and workmanship. The UXOQCS was responsible for onsite monitoring of the practices and operations taking place and verifying continued compliance with the specifications and requirements of the contract and approved project plans and procedures.

The UXOQCS was also responsible for verifying that a daily health and safety inspection was performed and documented as prescribed in the SSHP. The UXOQCS monitored and observed the same activities as under the initial inspection.

# 4.3 Digital Geophysical Mapping (DGM)

# 4.3.1 DGM Objectives

The DGM activities consisted of collecting transect and meandering path data inside the buffer zone following completion of the transect investigation. Approximately 22,465 linear feet (4.3 miles) were covered during the DGM activities.



# 4.3.2 DGM Equipment

Digital geophysical data was collected with the Geonics® EM61-MK2 time-domain metal detector. The EM61 system was employed because of its ability to detect both ferrous and non-ferrous metals and its success at detecting 100% of known seed items in the GPO test plot. In addition, this system is sensitive to buried metal, relatively insensitive to magnetic rocks and soils, and collects data quickly and efficiently.

The EM61-MK2 (Figure 4-1, Appendix A) consists of a single set of one-half by one-meter coils. The transmitter coil generates a pulsed primary magnetic field in the earth which induces eddy currents in nearby metallic objects. The eddy current decay produces a secondary magnetic field which is measured by the receiver coils. The responses are recorded and displayed by an integrated data logger.

Navigational control was achieved with the Trimble GPS Total Station 5700/5800®. This system provides RTK positioning with an accuracy of about 1 cm for stationary positions and about 6 inches for moving platforms. The GPS 5700 base station was set up on a known survey point and the GPS 5800 rover antenna was integrated with the EM61 mapping platform as shown in Figure 4-2 (Appendix A).

#### 4.3.3 Data Coverage

A total of approximately 22,465 linear feet (4.3 miles) of digital data were collected during QC mapping as shown in Figure 2-1 (Appendix A). QC data coverage was designed to ensure portions of the north, south, east, and west areas of the buffer zone were traversed during the investigation.



A break-down of data coverage is shown in Table 4-1 below.

TABLE 4-1
EM61-MK2 DATA COVERAGE

Area	Linear Feet
North	5,217
East	5,517
West	9,573
South	2,158
Total	22,465

Dense ground vegetation and tree coverage hindered EM61 access to the investigation area. Because of this, QC mapping operations were not able to adhere to the established transect lines as planned. As a result, digital data coverage consisted of a combination of transect lines and meandering paths.

# 4.3.4 Geophysical Prove-Out (GPO)

A GPO was conducted prior to commencement of the digital geophysical investigation. Details concerning the GPO can be found in the GPO report dated February 2007. Results of the GPO were used to determine the optimum survey logistics and mapping quality objectives for the geophysical investigation.

A transect was established at the GPO test plot and was mapped prior to beginning QC mapping. The transect was mapped twice more during the QC investigation – once with the instrument in wheel mode and once in the litter mode configuration (Figure 4-2, Appendix A). The results were used to aid in data interpretation and to ensure data consistency amongst the different instrument configurations.

As detailed in the GPO report, all seed items that were detected in the original EM61 data were also detected in each subsequent data set. The data collected in wheel mode shows lower magnitude responses than the original over some of the seed items because the survey path was located slightly further west than the original path. Similarly, data collected in litter mode shows slightly lower



magnitude readings because this mode requires the EM61 coils to be located at a greater distance from the ground.

#### 4.3.5 EM61 MK2 Data Collection

EM61-MK2 data was collected in the wheel configuration in the north buffer area where the terrain is relatively flat and open. However, access to the East, West, and South areas with the wheeled cart was severely limited due to dense ground vegetation and tree cover. In order to maximize data coverage in these areas, the EM61 system was converted to litter mode as shown in Figure 4-3 (Appendix A).

EM61 data collection occurred at a rate of 10 readings per second. The EM61 array was pulled or carried at an average speed of about 2.5 miles per hour, resulting in an average data point spacing of less than 0.4 ft along investigation lines. Positional data were recorded at 5 samples per second utilizing an integrated Trimble 5800 GPS rover. All data were stored in a hand-held computer carried by the instrument operator.

# 4.3.6 Global Positioning System (GPS)

A GPS base point was established in November 2006 as part of the GPO process. This was accomplished by collecting satellite location information at a single point for a period of 2.5 hours. This point was utilized as survey control for all data discussed in this report. The accuracy of the base point was checked before beginning data collection in September 2008 by mounting the GPS base receiver over the point and using the GPS rover to measure the coordinates of the previously established GPO corner stakes. The level of accuracy was determined to be within one inch for all checked points. GPS accuracy was checked on a daily basis throughout the investigation as discussed in section 4.6.2.

The base point was marked in the field with a wooden stake, flagging, and metal rebar. It is recommended that this point be used as a reference for all future investigations involving the relocation of the data presented in this report. The coordinates utilized for this point during QC mapping are listed in Table 4-2 below.



# TABLE 4-2 BASE STATION POINT COORDINATES

Point	UTM Easting	UTM Northing	SP Easting	SP Northing
Base	716274.49	3926571.86	2489793.20	1623350.67
	NAD83, UTM Z	one 12N, Meters	NAD83, State Plane New	Mexico West, US Feet

# 4.3.7 Data Processing and Target Selection

Geophysical data were processed and analyzed with Geosoft's UX-Detect application for the Oasis montaj® mapping software. During data processing, the following steps were adhered to:

- The EM61 and GPS data were merged into a single data stream with DAT61MK2 software using the time stamp to interpolate electro-magnetic (EM) measurements between GPS locations.
- All data files were checked for correctness and completeness.
- Bad data points, such as spikes, were removed from the EM data.
- GPS points indicating a low level of positioning accuracy were removed from the data files. The level of accuracy is determined by the quality indicator which is included in the GPS data string. For the EM61, a quality index of 4 is necessary to ensure centimeter level accuracy.
- A latency correction was applied to the combined data to account for the time lag between EM and GPS data streams.
- All data files were warped into NAD83 State Plane Coordinates, U.S. Survey Feet.
- Data were evaluated for optimum data collection variables; including speed of data collection and data collection frequency along investigation lines.
- Data profiles were reviewed for anomalous responses by the project geophysicist. The Oasis montaj UX-Detect software was used to select target anomalies interpreted as buried metallic items.



EM61 Target anomalies were displayed on the geophysical maps.
 Anomalies picked from the EM61 data were tabulated in the dig sheets and provided to the dig teams for reacquisition and intrusive investigation.

# 4.3.8 Target Reacquisition and Anomaly Investigation

All target anomalies that were detected in the EM61 survey were reacquired in the field using the GPS coordinates from the EM61 survey and hand-held geophysical equipment. Once the item was reacquired, it was hand-dug, investigated and characterized. The results of each reacquisition and investigation were documented in the QC Target Lists (Appendix E). No MEC were identified during anomaly acquisition and reacquisition.

#### 4.3.9 DGM Results

Approximately 22,465 linear feet were geophysically mapped during the DGM activities. Color maps of the EM61 data are shown in Figures 4-4 through 4-8. The figures depict Channel 2 of the EM61 data in New Mexico State Plane coordinates. The locations of target anomalies have been superimposed on the maps. A total of 137 anomalies were reacquired and investigated based on the results of the QC survey. Thirty (30) MD items were uncovered during the investigation. The results of the QC mapping are summarized in Table 4-3.

TABLE 4-3
QC MAPPING RESULTS

Collection Date	EM61 Mode	Coverage (linear feet)	Target Anomalies	Number of MD	Number of MEC	Number of NC
9/16/2008	Wheel	4123	18	0	0	10
9/17/2008	Litter	5517	31	0	0	2
9/22/2008	Litter	4180	27	0	0	2
9/23/2008	Litter	1811	0	N/A	0	N/A
4/20.2009	Litter	1094	17	9	0	0
4/21/2009	Litter	3100	24	14	0	0
4/23/2009	Litter	2640	20	7	0	0
Total		22,465	137	30	0	14



The no-contact (NC) rate for data collected on 9/16/08 was significantly higher than for data collected on the remaining field days. Because of this, all NC points for the 9/16/08 data set were reacquired and investigated a second time. The findings are shown in Table 4-4 on the following page and reported in the target list located in Appendix E.

Three different metal detectors were used to reacquire target anomalies during the second investigation – an EM61-MK2, a White's Metal Detector, and a Schonstedt. This course of action resulted in eliminating two of the NC findings, but did not significantly reduce the overall NC rate.

TABLE 4-4
SECOND INVESTIGATION OF 9/16/08 TARGETS

Target ID	Original Reading (Ch2 mV)	Reacquisition Reading (Ch2 mV)	Schonstedt	Whites	
4	6.3	>1	NC	NC	
5	2.5	1' wire			
6	2.5	0.8	NC	NC	
7	2.9	Spam can key			
8	3.5	1.5	NC	NC	
9	2.7	>1	NC	NC	
10	4.9	>1	NC	NC	
11	2.2	>1	NC	NC	
13	3.3	1.1	NC	NC	
14	6.4	Nail			
16	2.7	>1	NC	NC	
17	4.7	1.5	NC	NC	
18	4.1	1.5	NC	NC	

After completion of the second investigation, a root cause analysis was conducted in order to determine the cause of the high NC rate for the 9/16/08 data set. QC test data for all field days were reviewed to confirm equipment functionality and GPS location accuracy. In addition, data profiles and target locations were reviewed and evaluated for inconsistencies.



During this process, it was recognized that the 9/16/08 data set was the only one in which the EM61 was operated in its wheeled configuration. When compared to operating the unit in litter mode, wheel mode has two distinct differences. First, the coils are located closer to the ground. Proximity to ground surface and associated metal influences EM61 coils causing overall higher readings. Second, the equipment is in contact with the ground surface via the wheels. This can cause increased system noise from wheel motion. Both of these factors can increase the chances of EM61 readings being influenced by site-specific terrain issues, such as uneven ground, vegetation, and magnetic rocks and soils.

These influences are typical for EM61 wheel-assembly operation and may be accounted for during data analysis depending on data collection procedures. For example, when data are collected in grids with multiple parallel lines, motional noise often results in anomaly signatures that are noticeably different than those caused by buried metal. However, the data discussed in this report was collected along transects with only a single line of EM61 data. For this type of data, the full extent of each anomaly cannot be resolved so the ability to eliminate anomalies caused by motional or terrain noise is reduced.

In fact, no attempt was made to discriminate anomalies caused by noise from those associated with buried metal. A conservative approach was used during data interpretation because of the limited amount of information contained in the EM61 data profiles. Anomalies with magnitudes higher than background were selected for investigation. Anomaly size was not considered as a discrimination factor due to the possibility of metal items lying some distance from the path traversed with the EM61. All data sets were evaluated in the same manner, regardless of wheel or litter-mode operation.

To summarize this root cause analysis, all equipment functionality and operational checks passed QC. Furthermore, the re-investigation of NC targets for the 9/16/08 data set did not result in significant changes to the overall results. After careful review of the geophysical data, it has been determined that the high number of NC targets is due to a combination of factors that disproportionately influence the EM61 system when it is used in wheel-mode versus litter-mode. These differences are as follows:



- Higher readings for data collected in wheel-mode compared with littermode due to increased proximity to the ground.
- System noise caused by wheel-motion.
- Increased terrain noise caused by a decrease in the distance from magnetic rocks and soils compared with litter-mode.
- Increased terrain influence caused by equipment contact with uneven ground and low-lying scrub brush.
- Minimal discrimination options due to incomplete anomaly signatures resulting from single profile data collection.
- Conservative interpretation method used for all data sets regardless of system configuration.

#### 4.4 Documentation and Document Control

Documents for this project were prepared, reviewed, approved, and issued IAW the PIKA Corporate Quality Control Plan. A master project file was kept for the project that included plans; drawings; specifications; calculations; procedures; daily and weekly field reports; audits; and telephone records.

Daily Senior UXO Supervisor (SUXOS) reports are included as Appendix F. Weekly reports, including photo documentation, are included in Appendix G.

# 4.5 Data Management

All data was managed IAW the PIKA Corporate Quality Control Program. Hard copy and electronic copies of the data was maintained at the field office.

# 4.5.1 Data Quality Objectives

Data quality objectives (DQOs) were based on the concept that different data uses require different quality metrics. Data quality was defined as the degree of certainty with respect to precision, accuracy, representativeness, completeness, and comparability required of a data set.

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DQOs are both qualitative and quantitative statements specifying the data standards required to support the project. The DQOs developed during project planning served as standards against which project objectives were measured. This approach helped to ensure that data of sufficient type, quality, and quantity was collected to document and facilitate appropriate response actions that addressed safety, public health, and the environment.

#### The DQOs for the 52 CX and XLT included the following:

- Prior to use, all hand-held analog geophysical equipment will be checked and calibrated against a known ferrous and non-ferrous anomalies. These instruments will be checked using the established geophysical test plot. The purpose of this test/calibration is to ensure that the instruments are operating properly and to appropriately adjust the sensitivity level of the instruments.
- Analog geophysical equipment will be checked against the known source to ensure they are operational and capable of detecting ferrous and nonferrous objects. Each day the operator will perform this test before placing the instrument into operation. Detectors that fail to detect the simulators or metallic sources in the test plot were considered to have failed QC and will be removed from service until repaired.

#### The DQOs for DGM activities included:

- Instrument latency DQO: Instrument latency was corrected based on the lags or time differences observed in anomaly peak positions. Corrections were applied using an appropriate correction routine that accounts for instrument latency time and sensor velocity. "Zig-zag" or "chevron" effects should not be visible in the data maps when plotted at the scales used to detect the smallest amplitude signal for a given UXO item.
- Navigation: The sum of all data positioning errors in the final datasets did not exceed ± 1.0 ft. This DQO was specific to the reported positions of the State Plane coordinates for each data point in the final version of geophysical data. Many factors affect Differential Global Positioning System (DGPS) accuracies, including position dilution of precision, base-

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station geodetic coordinate accuracies, carrier phase ambiguity resolution, and the like.

- EM61 drift correction DQO statement: For any given data set of EM data, all data channels were leveled using the same routines and parameters.
- Processing DQO statement: All drift corrections and/or filtering routines that are applied to data sets were evaluated independently to confirm that those routines did not alter the nature of the original measured response.
- Sampling density DQOs: Along-track sampling densities should not exceed
   0.5 ft. The across-track line spacing should not exceed 3.0 ft.
- Anomaly selection DQO: All anomaly selections were reviewed by the senior geophysicist, or one of his/her designees, to ensure they were reasonable for the intended purpose of the project.
- Survey navigation DQO: The positioning data shall not exceed the DQO metric of 1.0 ft. This was measured daily as part of the latency loop test, where the navigation tracks were compared to the precise coordinates of a known point on the surface. This offset of the tracks with the known location was recorded in the daily processing notes.

# 4.6 Equipment Calibration and Equipment Testing

All instrumentation used on site was response-checked IAW the manufacturer's specifications before and after use each day. All equipment used at the OB/OD Unit Kickout Area Delineation was dedicated solely to the project until the project was completed or until it was no longer needed. If equipment field checks indicated that any piece of equipment was not operating correctly, and field repair could not be made, the equipment was tagged and removed from service until it was repaired IAW manufacturer's specifications.

# 4.6.1 Communication Equipment

Before commencing operations each morning, radios and cellular phones were checked to verify they were operational. Constant communication between teams and the command post or off-site to emergency services, was required for operations to continue.

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#### 4.6.2 EM61-MK2

The EM61-MK2 was allowed to warm up before operation to minimize sensor drift caused by thermal stabilization. Data readings were monitored until they stabilized.

A six line test was conducted as part of the initial instrument tests on the first day of the geophysical investigation to optimize data quality. The six-line test consisted of acquiring six passes of data over a single line with each geophysical instrument used at the site.

#### Personnel Test

Personnel tests were conducted to ensure that survey personnel had removed all potential interference sources from their person, clothing and equipment such as common interference sources like ballpoint pens, steel-toed boots, or large metallic belt buckles, which could produce data anomalies similar to MEC targets. Instrument operators and personnel who were to be within close proximity to geophysical sensors during survey operations moved around the stationary operating instrument to scan for any effects by remaining metal on their person. The acceptance criterion of the EM61 MK2 is  $\pm$  2 mV.

#### Measure and Record Sensor Position

The position of the geophysical sensors were measured over a known survey point. The measured position was recorded and compared with the known position. Acceptance criteria of  $\pm$  1.0 inch (2.54 cm) was used.

#### Cable Shake Test

The purpose of this test was to identify and replace shorting cables and broken pin-outs on connectors. The cable shake test consisted of running the instrument in static mode and shaking all cables while monitoring instrument response. If a short was found, the cable was marked as inoperable and replaced.



#### Null Instrument

The EM61 MK2 was nulled before performing static tests, instrument response tests, or data collection. The EM61 MK2 utilizes software to perform nulling, zeroing all channels simultaneously.

#### Static (Background) and Instrument Response Test

The static and instrument response test was performed in an area that was free of metal and sufficiently far from power lines, transmitters, or other sources of electromagnetic noise. The test location was clearly marked with survey lath that was used throughout the duration of the project. The static (background) response was used to ensure that stable readings are collected by all geophysical instrumentation. The instrument response was used to determine the repeatability of the instruments to a standard test item. The test item consisted of a standard 2-inch diameter steel trailer ball.

Before performing this test, the instrument was warmed up for a minimum of 15 minutes and nulled. The instrument was placed at its normal operating height, and static background readings were collected for a minimum of 3 minutes. The test item was placed below the sensors, and data was collected for 1 minute. The test item was then removed and data was collected for an additional minute. The operator reviewed the readings to confirm their stability prior to continuing with the geophysical investigation. This test was conducted in the morning and evening.

#### Acceptance criteria:

- 1. Static Background Test: ± 2.5 mV
- 2. Static Spike Test: ± 20% of standard item response, after background correction.

# 4.6.3 Analog Geophysical Equipment

Prior to use, all hand-held analog geophysical instruments were checked and calibrated against known ferrous and non-ferrous anomalies. These instruments



were checked using the established geophysical test plot. The purpose of this test/calibration was to ensure that the instruments were operating properly and appropriately adjusted the sensitivity level of the instruments.

The detectors were checked against the known source to ensure they were operational and capable of detecting ferrous and non-ferrous objects. Each day the operator performed this test before placing the instrument into operation. Detectors that failed to detect the ferrous and non-ferrous sources in our test pit prior to use were considered to have failed QC and were removed from service until repaired.

### **Personnel Test**

Personnel tests were conducted to ensure that personnel had removed all potential interference sources from their bodies. Common interference sources like ballpoint pens, steel-toed boots, or large metallic belt buckles, which could produce data anomalies similar to MEC targets, were removed.

## 4.6.4 Global Positioning System

Each unit was checked for adequate battery voltage, correct configuration, and receipt of sufficient data to compute three-dimensional positions. Hand-held GPS units must provide  $\pm$  10 ft accuracy. Hand-held GPSs that did not meet this standard were considered to have failed QC and were removed from service until they met the standard.

#### 4.7 Audits

A UXOQCS was on site full time to conduct daily audits of MEC activities and documentation.

Audits were performed by the QC specialist who provided information on multiple project tasks, identification of items not initially in the project WP, lessons learned, and/or practices to consider as the project moved forward.

As part of the QC, PIKA conducted audits and surveillance at the site to ensure that all procedures and protocols were being followed and that the resulting data



was accurate and defensible. Field audits concentrated on both surface and subsurface sweep procedures, mapping operations, proper documentation, and checks of resulting data for completeness and accuracy within established QC limits.

## 4.8 Quality Control Sampling Inspection

Daily audits were performed by the UXOQCS to ensure that all MEC operations and explosive management activities were in total compliance with the WP. All MEC audit and surveillance activities were performed and documented using the Daily QC Reports developed by PIKA.

Validation of work procedures was accomplished by sampling each area requiring customer acceptance. QC mapping was conducted with DGM equipment over approximately 10% of the area covered during the field investigation. The QC survey path followed the investigation path to a limited extent, but the majority of QC mapping was performed along meandering survey paths running perpendicular to the investigation transects.



## 5.0 CULTURAL RESOURCES

Due to the culturally sensitive nature of the areas under investigation, representatives from the Navajo Nation Archeology Department and Zuni Cultural Resources Enterprise were consulted throughout the field effort. These cultural resource representatives were on site during all field activities to ensure that potential archeological sites were left undisturbed. All representatives received UXO awareness and 24-hour hazardous waste operations training prior to beginning field activities. Detailed reports of their activities and findings are included in a separate Cultural Resources Report.



## 6.0 SUMMARY

Work was performed at the FWDA on behalf of the USACE. This work was accomplished IAW the guidelines set forth from the SOW and applicable DoD guidance for MEC investigation operations. Field operations are summarized below.

PIKA conducted the kickout investigation in two field efforts; August to Octorber 2008; and March to April 2009. During these two field investigations a total of 998 transects were investigated, totaling 205,720 linear feet of transects investigated, with PIKA QC evaluation totaling 22,465 linear feet.

During the project, the following data was recorded and summarized as follows:

•	Linear feet of Transects Cleared	205,720
•	Linear feet of DGM	22,465
•	Number of Targets Dug	1,831
•	MEC Items Recovered	0
•	MD Recovered (lbs estimated)	678
•	Scrap Metal Recovered (lbs estimated)	225



## 7.0 REFERENCES

MKM Engineers, Inc., Final Kickout Investigation Work Plan, Fort Wingate Depot Activity, McKinley County, New Mexico, May 2008.

USACE, Safety and Health Requirements, EM 385-1-1, November 2003.

USACE, Basic Safety Concepts and Considerations for Munitions and Explosives of Concern (MEC) Response Action Operations, EP 385-1-95a, August 2004.

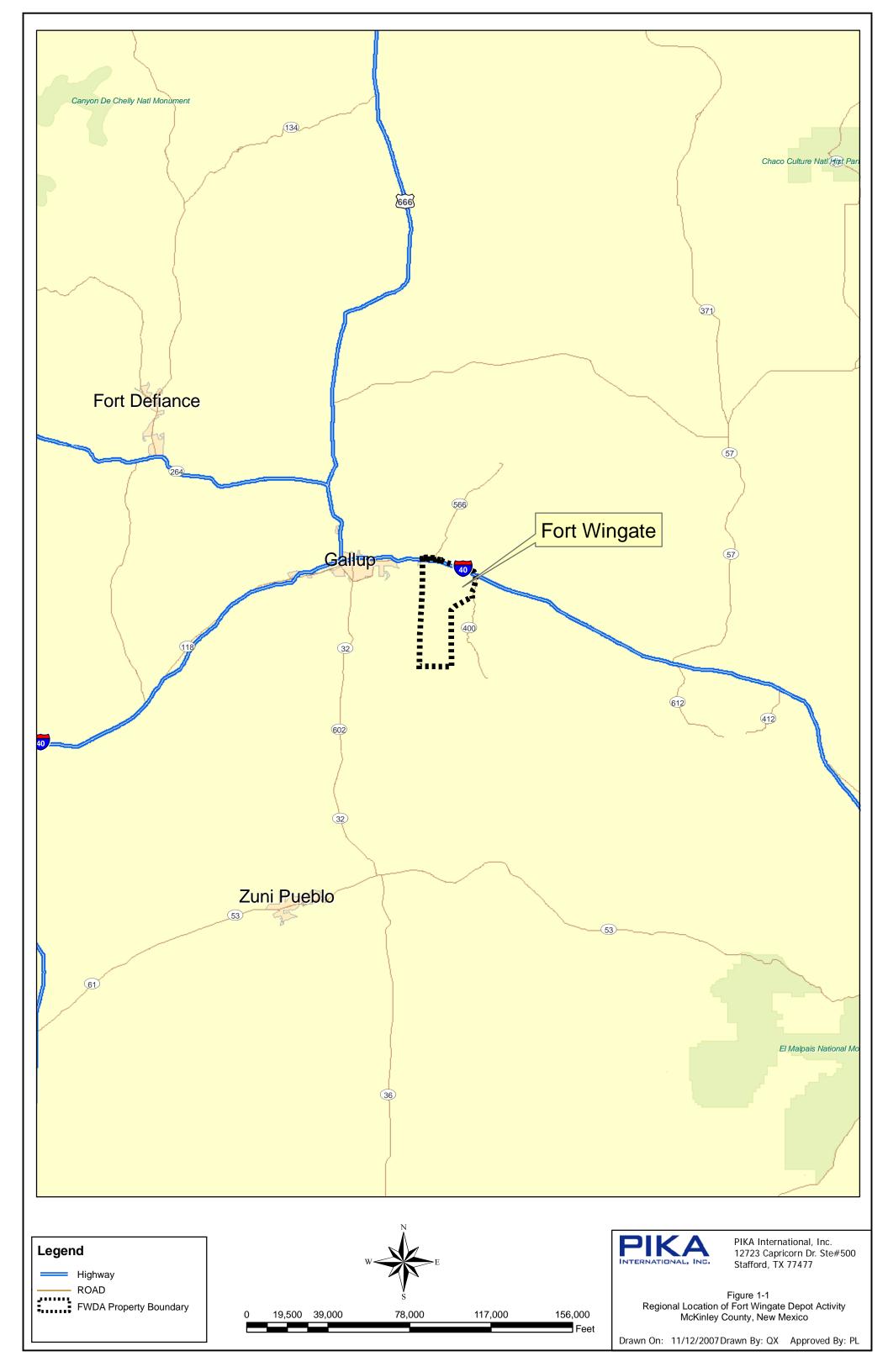
USACE, Military Munitions Response Actions, EM 1110-1-4009, June 2007.

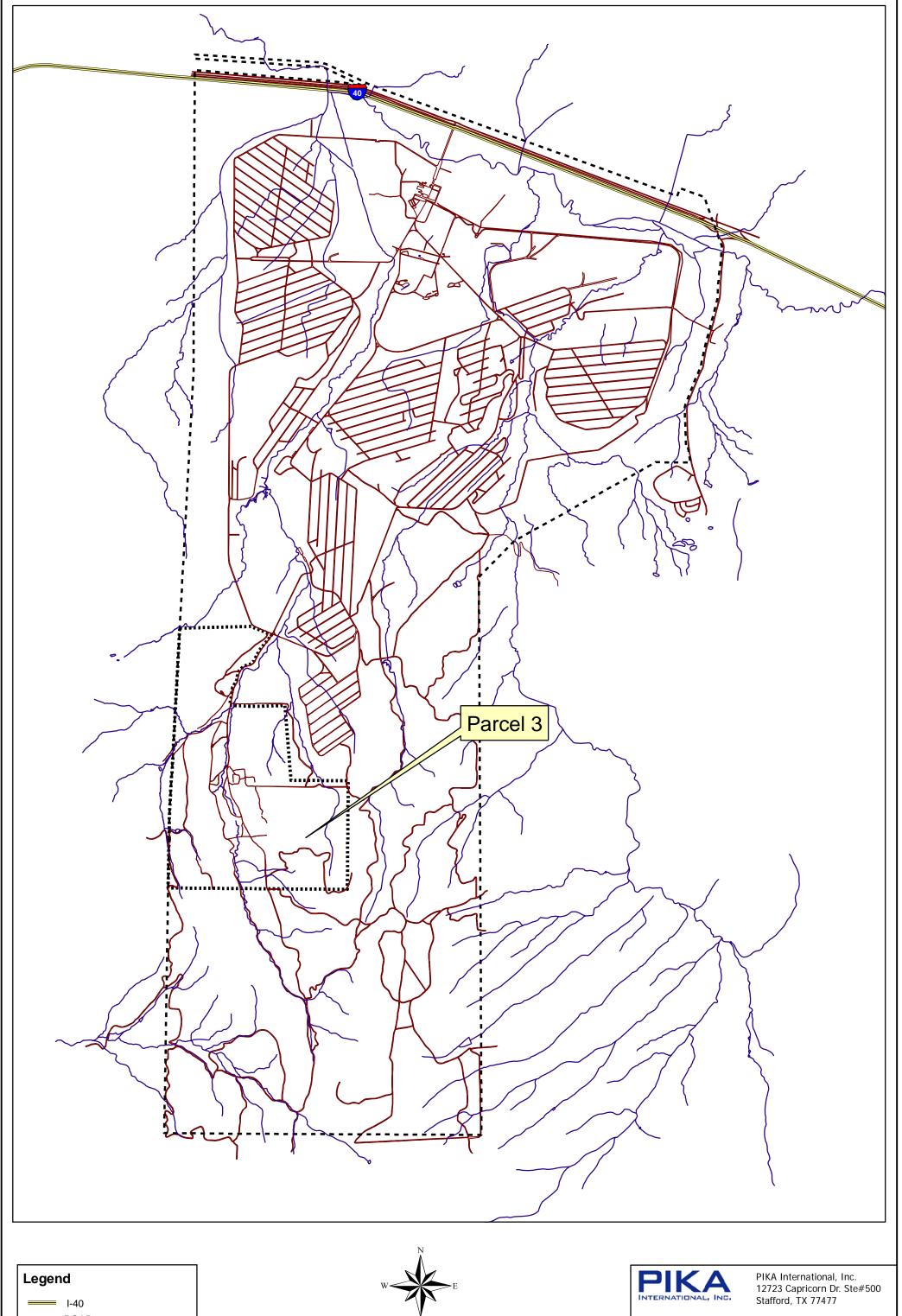
USACE, Geophysical Investigation Plan, MR-005-05, December 2003.

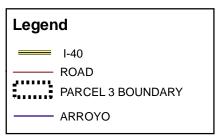
USACE, Monthly Status Report, MR-080, December 2003.



# APPENDIX A FIGURES







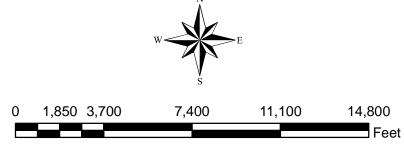
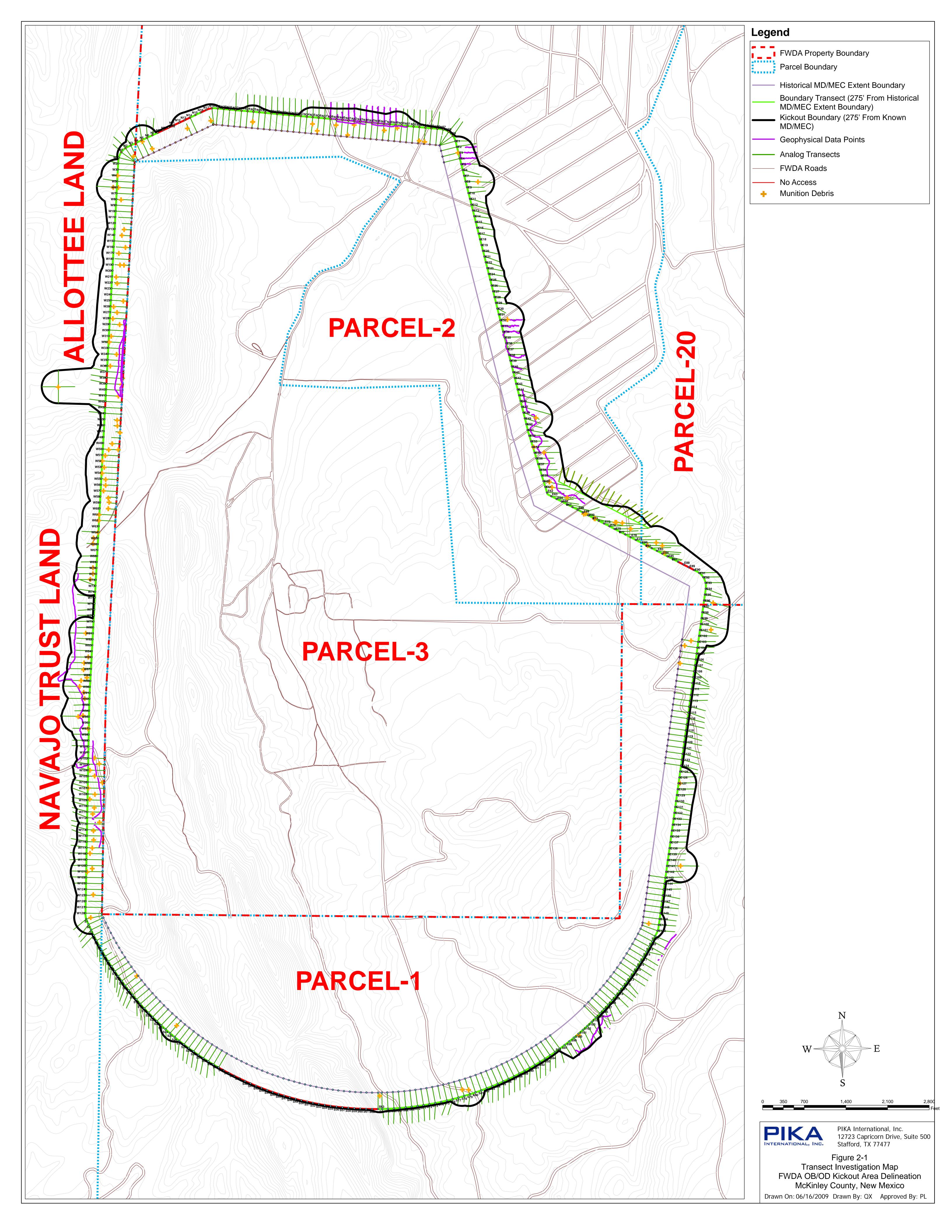


Figure 1-2
Fort Wingate Depot Activity
Location of Parcel 3
McKinley County, New Mexico

Drawn On: 06/16/2009 Drawn By: QX Approved By: PL



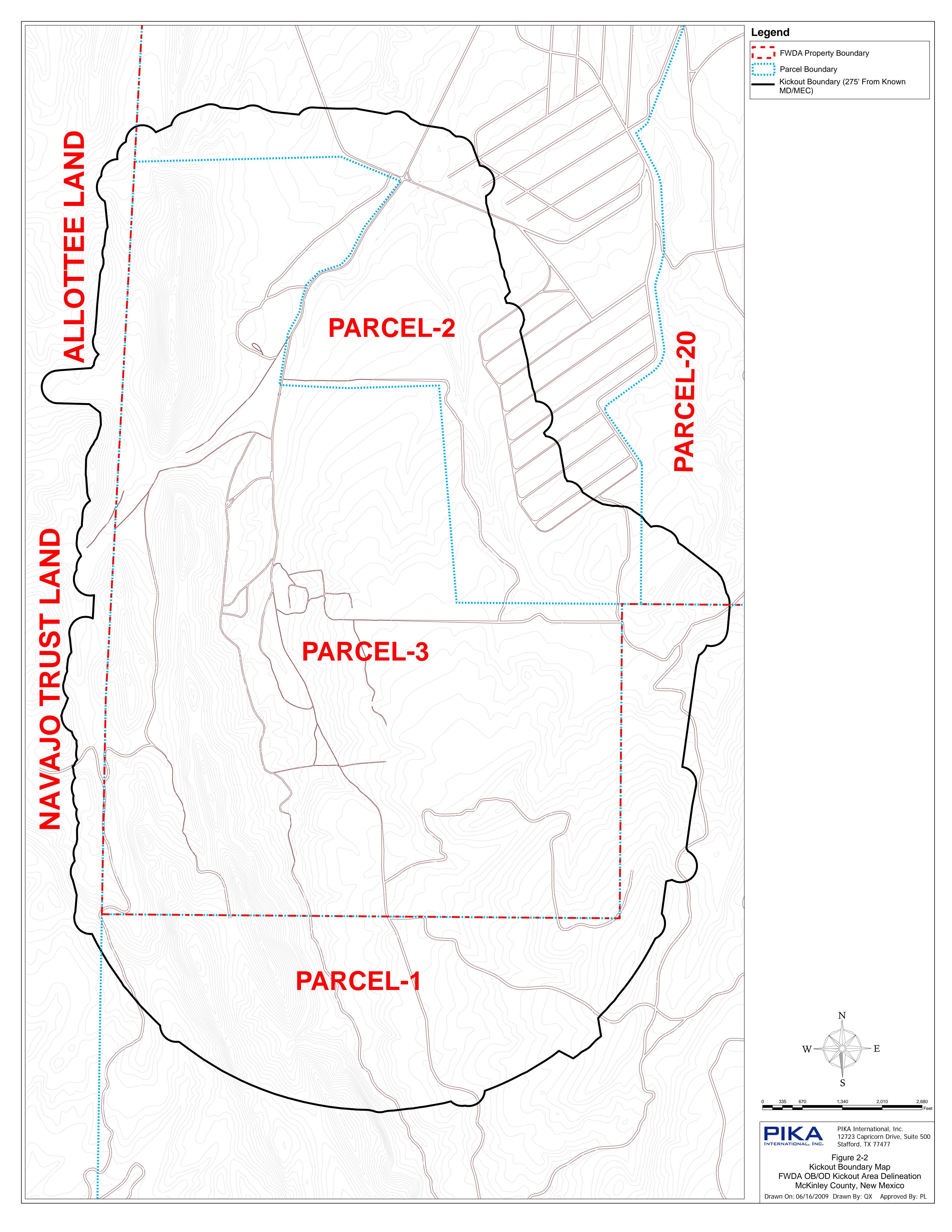




Figure 4-1.
EM61-MK2 Metal Detector

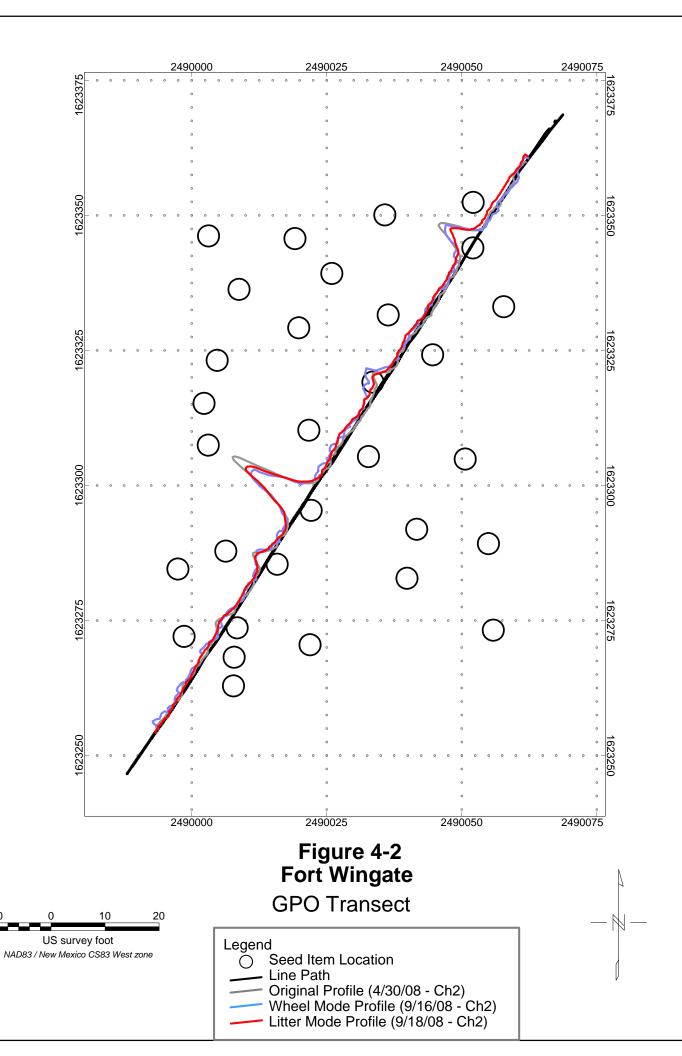
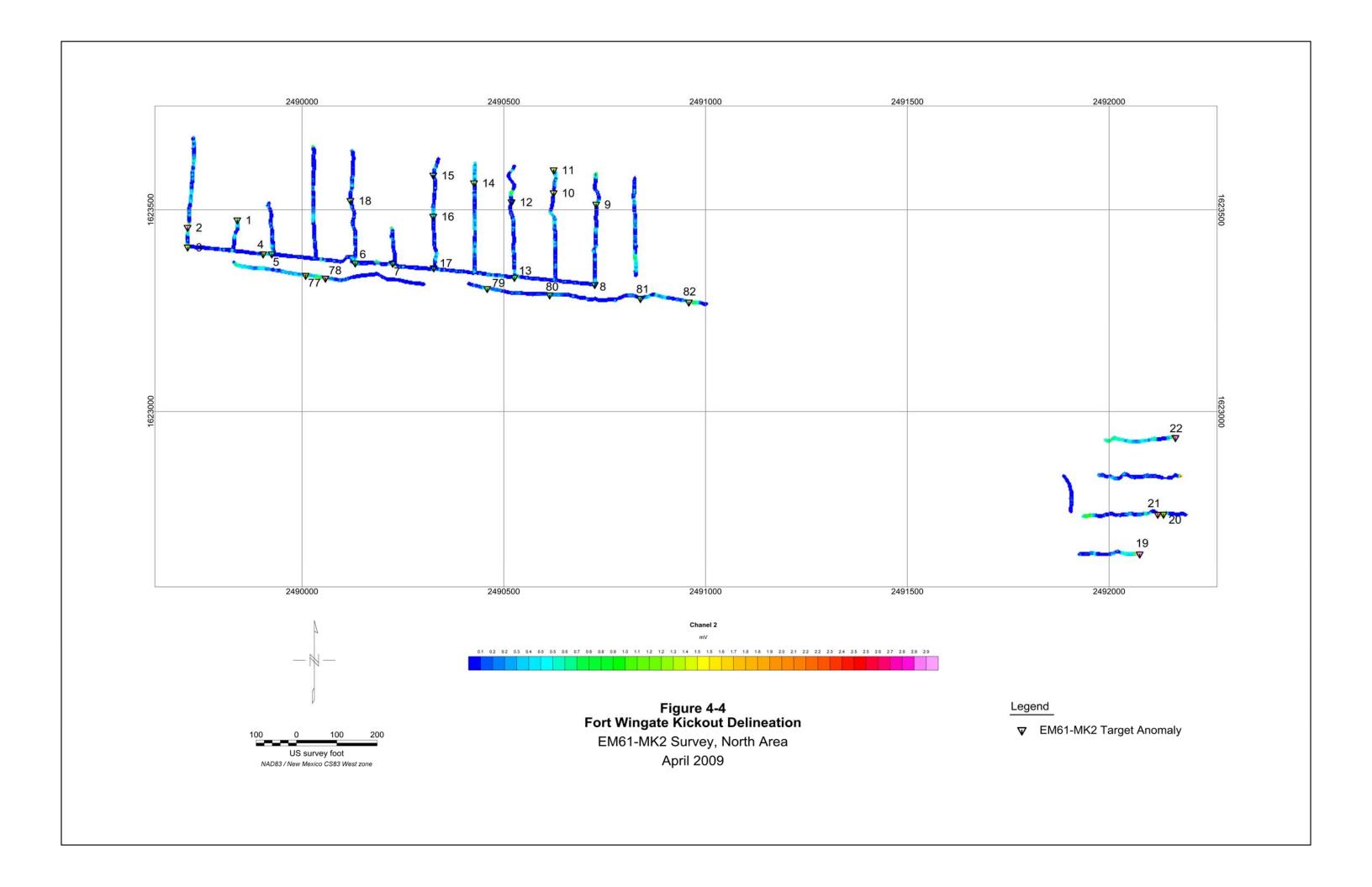
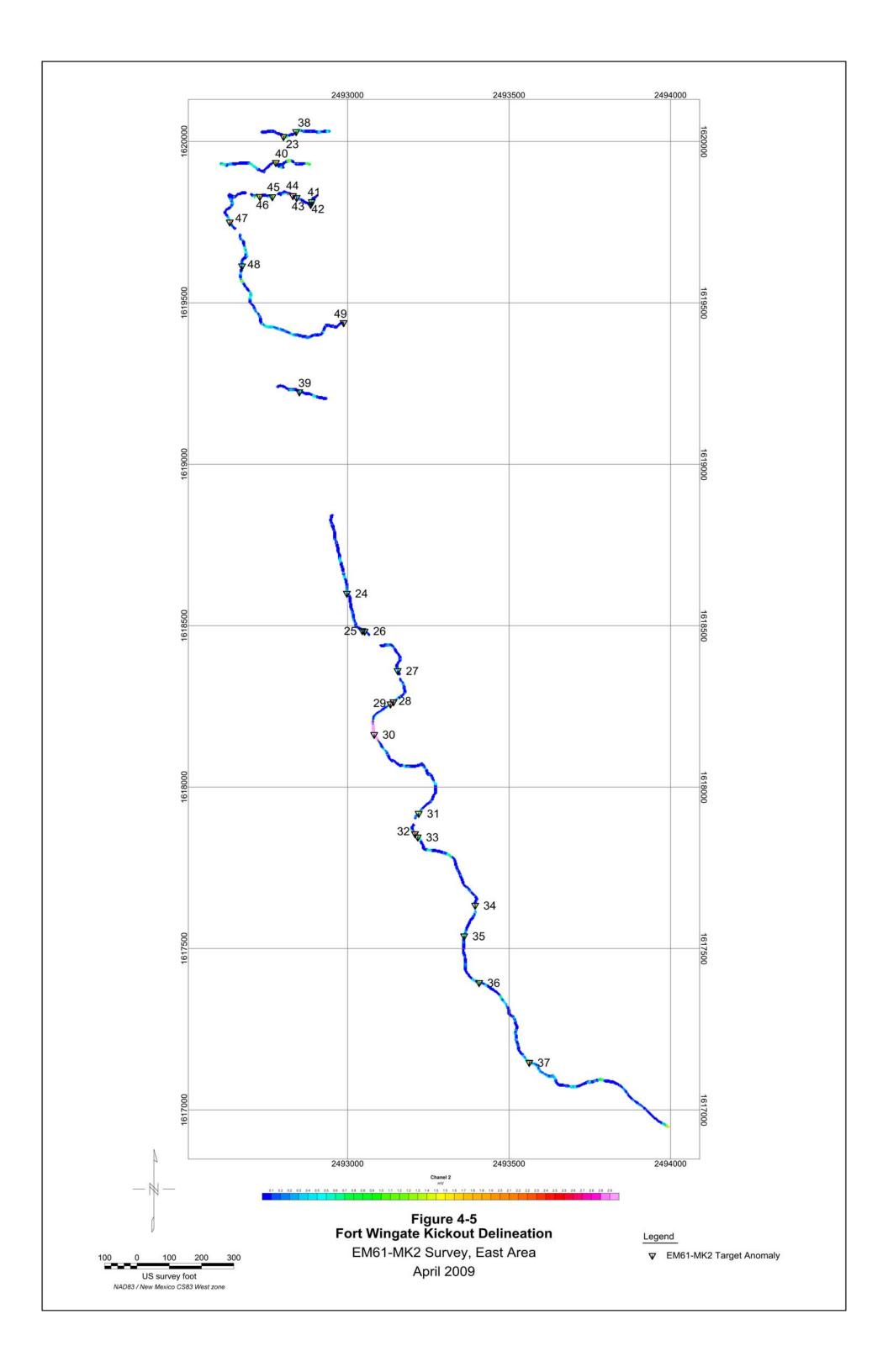
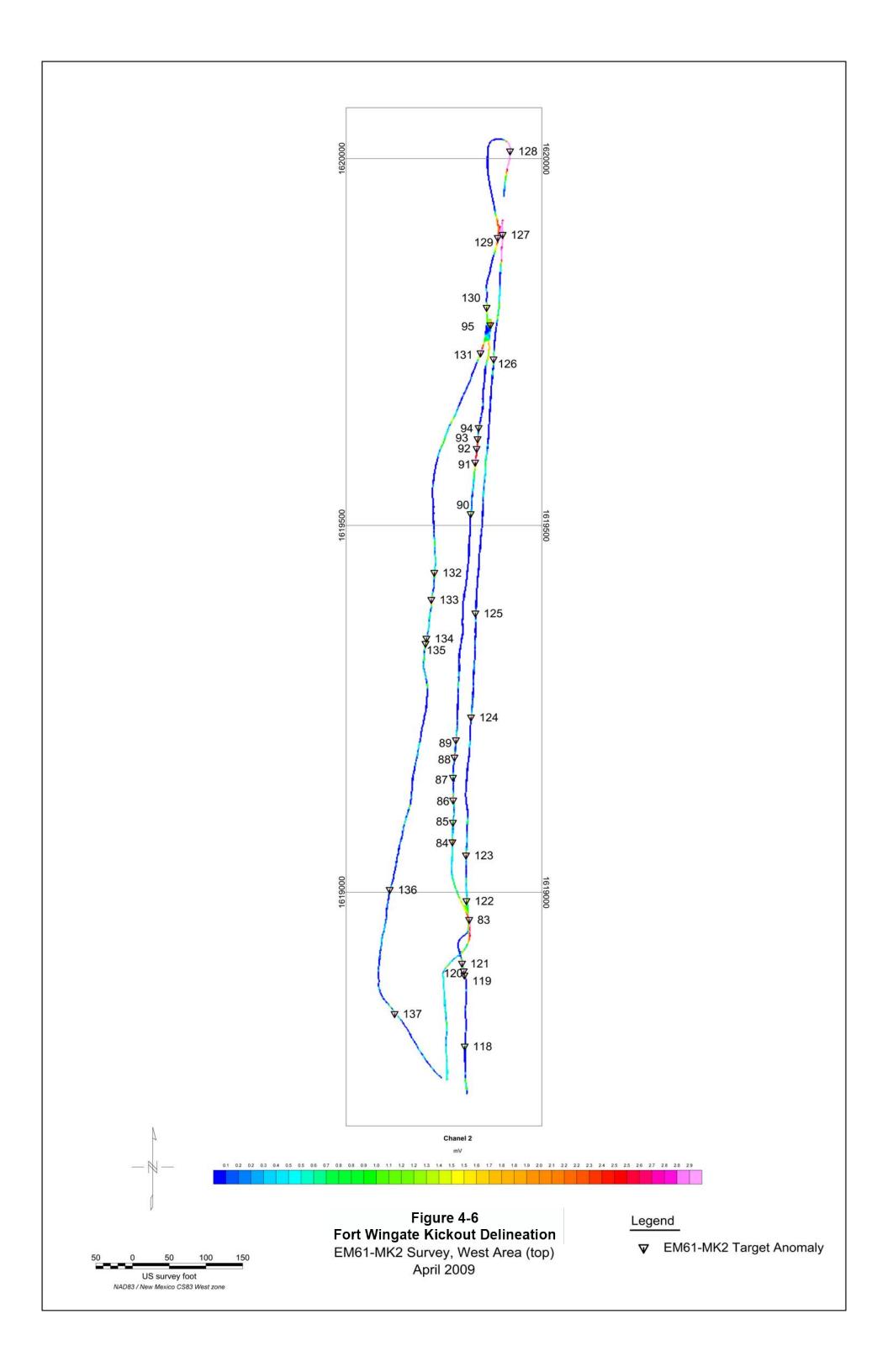


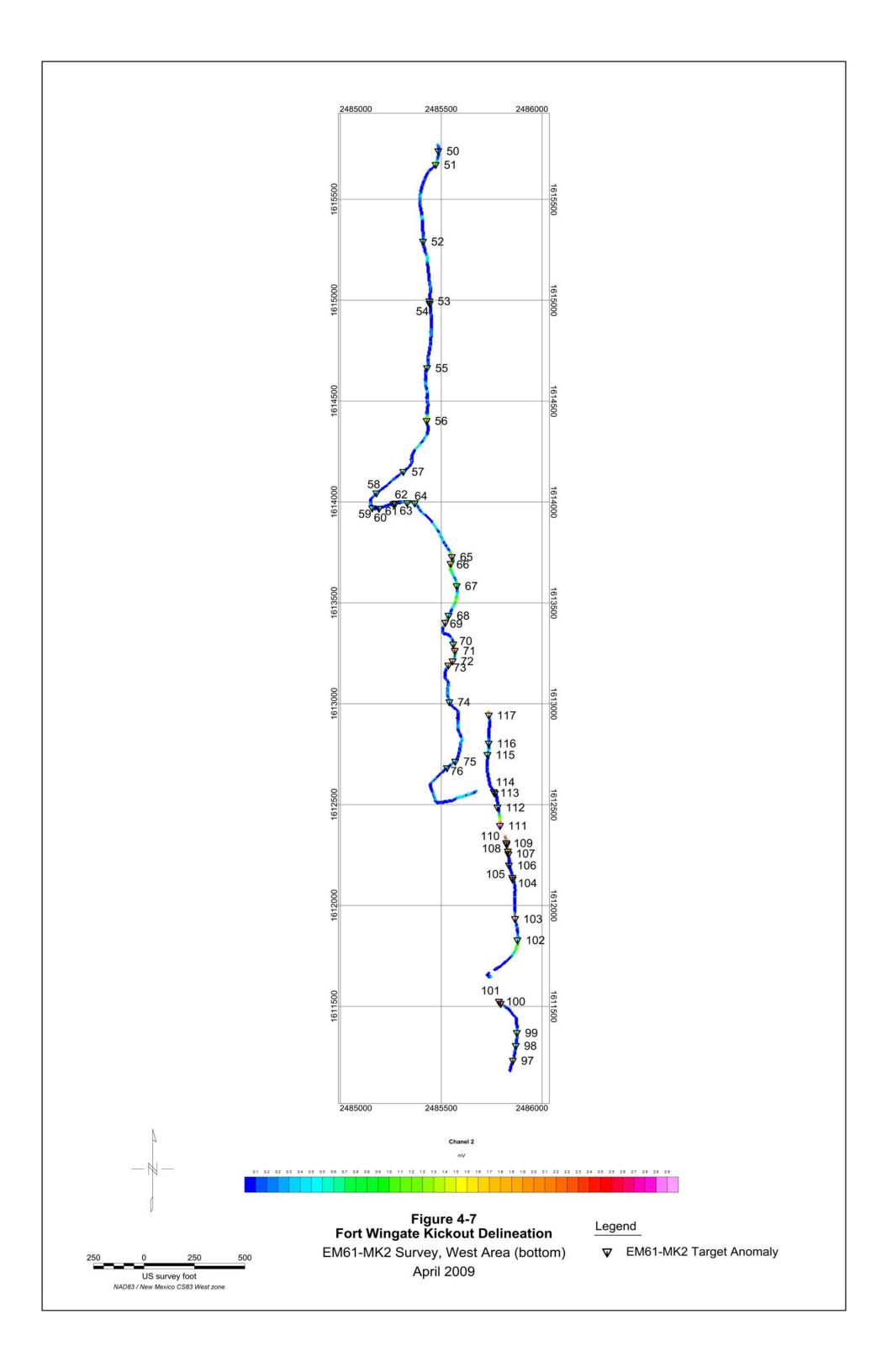


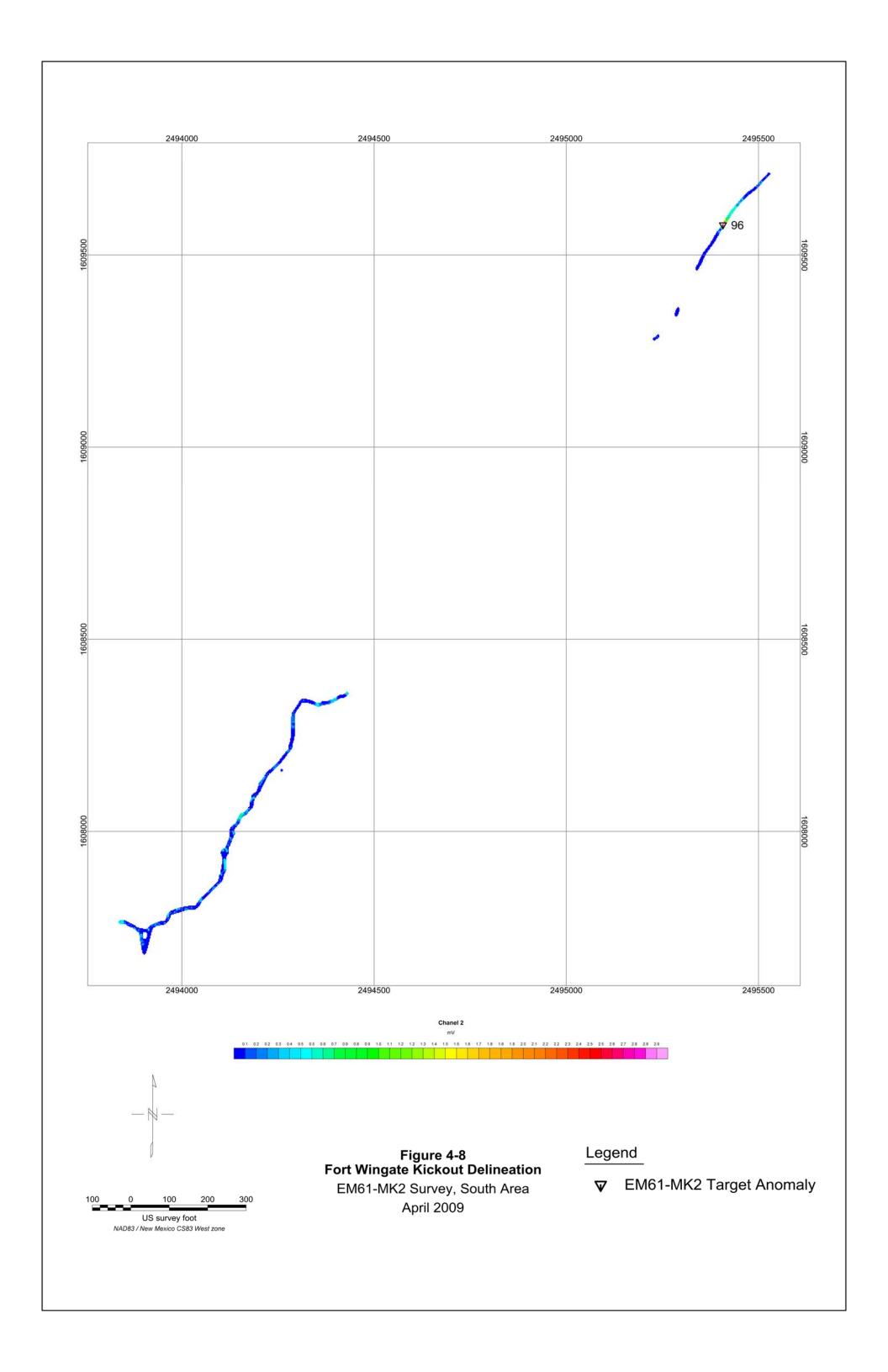
Figure 4-3.
EM61-MK2 Metal Detector in Litter Mode













## APPENDIX B TRANSECT SHEETS

PIKA Transect Sheets																							
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#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/18/2008 Completion Date: 9/18/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1623103.40 N 1623184.95 N 1623258.96 320 E 2486082.16 E 2486212.70 E 2486360.15 300 280 260 275 ' 275 ' 275 ' N 1622976.82 240 E 2486071.36 220 206 189' 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 Ν 4 Ν 1 2 Ν 3 Ν Ν Start Start Start Start Start 9/18 9/18 9/18 9/18 Finish Finish Finish Finish Finish 9/18 9/18 9/18 9/18 **MEC** MD STAKE # Comments.Notes: N1: Ended in cliff

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<sup>20</sup>	400	380	360	340	320	<b>3</b> 00	280	260	240	220	<b>)</b> 200	180	160	140	120	100	80	60	40	20	*	
N	400 <b>17</b>	1	300	340	N	18	200	200	240	N	19	1	100	140	N	20	•	00	40	N		
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Con	nmer	nts.N	otes																			

#### **PIKA Transect Sheets** Ft Wingate Kickout Deliniation W912BV-04--2016-DY02 **Project** Project No. Start Date: 9/5/2008 Completion Date: 9/5/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1623838.61 N 1623813.81 320 E 2488139.04 300 E 2488332.55 280 260 275 ' 275 ' 240 220 200 No access No access 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 220 180 160 140 120 20 21 Ν 22 23 Ν 24 Ν Ν Ν Start Start Start Start Start 9/5 9/5 9/5 9/5 Finish Finish Finish Finish Finish 9/5 9/5 9/5 9/5 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/5/2008 Completion Date: 9/5/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1623807.82 N 1623800.08 N 1623788.78 N 1623775.52 320 E 2488446.78 E 2488538.62 E 2488637.47 E 2488741.53 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 220 180 160 140 120 20 25 Ν 26 27 Ν 28 Ν Ν Ν Start Start Start Start Start 9/5 9/5 9/5 9/5 Finish Finish Finish Finish Finish 9/5 9/5 9/5 9/5 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/5/2008 Completion Date: 9/5/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1623766.04 N 1623766.24 N 1623752.02 N 1623743.97 320 E 2488834.07 E 2489939.93 E 2489036.74 E 2489132.75 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 200 300 100 80 400 380 360 320 280 260 240 220 180 160 140 120 20 29 Ν 30 31 Ν 32 Ν Ν Ν Start Start Start Start Start 9/5 9/5 9/5 9/5 Finish Finish Finish Finish Finish 9/5 9/5 9/5 9/5 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/5/2008 Completion Date: 9/5/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1623728.27 N 1623723.92 N 1623713.18 N 1623704.22 320 E 2489233.04 E 2489335.21 E 2489434.88 E 2489529.71 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 220 180 160 140 120 20 33 Ν 34 35 Ν 36 Ν Ν Ν Start Start Start Start Start 9/5 9/5 9/5 9/5 Finish Finish Finish Finish Finish 9/5 9/5 9/5 9/5 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/26/2008 Completion Date: 9/5/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1623642.53 N 1623686.15 N 1623669.09 320 N 1623680.95 300 E 2489630.09VC E 2489734.76 E 2489830.87 E 2489933.61 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 340 320 280 260 240 180 160 140 120 220 20 **37** Ν 38 39 40 Ν Ν Ν Ν Start Start Start Start Start 9/5 8/26 8/26 8/26 Finish Finish Finish Finish Finish 9/5 8/26 8/26 8/26 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/26/2008 Completion Date: 8/26/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1623660.42 N 1623651.11 N 1623641.46 N 1623631.61 320 E 2490030.12 E 2490129.73 E 2490229.49 E 2490330.49 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 180 160 140 120 220 20 41 Ν 44 Ν 42 Ν 43 Ν Ν Start Start Start Start Start 8/26 8/26 8/26 8/26 Finish Finish Finish Finish Finish 8/26 8/26 8/26 8/26 **MEC** MD \* STAKE # Comments.Notes: E41/43 are EM-61 accessible

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/26/2008 Completion Date: 8/26/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1623621.69 N 1623614.64 N 1623605.44 N 1623595.25 320 E 2490427.66 E 2490527.02 E 2490626.43 E 2490728.01 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 180 160 140 120 220 20 45 48 Ν Ν 46 Ν 47 Ν Ν Start Start Start Start Start 8/26 8/26 8/26 8/26 Finish Finish Finish Finish Finish 8/26 8/26 8/26 8/26 **MEC** MD \* STAKE # Comments.Notes: 45-48 are EM-61 accessable

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/14/2008 Completion Date: 8/14/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1623584.49 N 1623577.46 N 1623560.98 N 1623561.37 320 300 E 2490827.20 E 2490952.94 E 2491017.26 E 2491128.63 288 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 100 80 **400** 380 360 340 320 280 260 240 220 200 180 160 140 120 20 49 Ν **52** Ν **50** Ν 51 Ν Ν Start Start Start Start Start 8/14 8/14 Finish Finish Finish Finish Finish 8/14 8/14 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/14/2008 Completion Date: 8/14/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1623554.28 N 1623551.56 N 1623542.74 N 1623519.85 320 E 2491229.18 E 2491327.65 E 2491425.39 2491556.02 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 53 Ν 54 56 Ν Ν 55 Ν Ν Start Start Start Start Start 8/14 8/14 8/14 8/14 Finish Finish Finish Finish Finish 8/14 8/14 8/14 8/14 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/14/2008 Completion Date: 8/14/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1623413.69 N 1623353.48 320 300 E 2491888.58 E 2491944.36 280 260 240 220 200 **No Access** 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 340 320 280 260 240 220 180 160 140 120 20 **57** N 58 Ν 59 Ν 60 N N Start Start Start Start Start 8/14 8/14 8/14 Finish Finish Finish Finish Finish 8/14 8/14 8/14 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/18/2008 Completion Date: 9/18/2008 QC Date: QC Signature: QA Date: QA Signature: 400 380 360 340 N 1623321.50 N 1623374.86 N 1623413.57 320 E 2486509.87 E 2486624.65 E 2486754.59 300 280 275 ' 275 ' 275 ' 260 240 220 200 180 160 No Access 140 120 100 80 60 40 No Access 20 300 200 100 80 400 380 360 340 320 280 260 240 220 180 160 140 120 60 20 5 Ν Ν Ν 6 Ν 7 8 Ν Start Start Start Start Start 9/18 9/18 9/18 9/18 Finish Finish Finish Finish Finish 9/18 9/18 9/18 9/18 MEC MD STAKE # Comments.Notes: N8: Cliff

	PIKA Transect Sheets																						
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#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/14/2008 Completion Date: 8/14/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1622644.38 N 1622747.41 N 1622843.32 N 1622990.99 320 E 2492223.61 E 2492186.27 E 2492174.42 E 2492166.49 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 220 180 160 140 120 20 4 Ε 1 Ε 2 Ε 3 Ε Ε Start Start Start Start Start 8/14 8/14 8/14 8/14 Finish Finish Finish Finish Finish 8/14 8/14 8/14 8/14 **MEC** MD \* STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/14/2008 Completion Date: 8/14/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 N 1622336.48 E 2492463.84 380 465 ' 360 340 N 1622644.38 N 1622474.25 N 1622435.94 320 300 E 2492223.61 E 2492216.57 E 2492251.33 280 275 ' 275 ' 275 ' 260 240 220 200 1 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 220 180 160 140 120 20 5 7 8 Ε Ε 6 Ε Ε Ε Start Start Start Start Start 8/14 8/14 8/14 8/14 Finish Finish Finish Finish Finish 8/14 8/14 8/14 8/14 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/14/2008 Completion Date: 8/26/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1622258.49 N 1622194.77 N 1621984.45 N 1621891.64 320 300 E 2492299.15 E 2492323.33 E 2492337.05 E 2492361.60 286 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 9 12 Ε Ε 10 Ε 11 Ε Ε Start Start Start Start Start 8/14 8/14 8/26 8/26 Finish Finish Finish Finish Finish 8/14 8/14 8/26 8/26 **MEC** MD STAKE # Comments.Notes:

## **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/26/2008 Completion Date: 9/9/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1621793.21 N 1621735.65 N 1621626.29 N 1621538.35 320 E 2492385.86 E 2492421.18 E 2492441.59 E 2492477.17 300 288 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 320 280 260 240 220 180 160 140 120 20 Ε 13 Ε 14 Ε 15 Ε 16 Ε Start Start Start Start Start 9/9 9/5 9/5 9/5 Finish Finish Finish Finish Finish 9/5 9/5 9/9 9/5 **MEC** MD \* STAKE # Comments.Notes: E-14 & E-17 possible EM-61 accessible

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/5/2008 Completion Date: 9/5/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1621427.30 N 1621129.50 320 E 2492480.39 E 2492561.97 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 **No Access No Access** 200 180 160 140 120 100 80 60 40 20 300 100 80 400 380 340 320 280 260 240 220 200 180 160 140 120 20 20 Ε 17 Ε 18 Ε 19 Ε Ε Start Start Start Start Start 9/5 9/5 9/5 9/5 Finish Finish Finish Finish Finish 9/5 9/5 9/5 9/5 **MEC** MD STAKE # Comments.Notes: E-17: Possible EM-61 accessible

### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/5/2008 Completion Date: 9/5/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1621000.90 N 1620920.37 N 1620849.99 N 1620759.77 320 E 2492574.54 E 2492602.48 E 2492635.15 E 2492644.94 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 340 320 280 260 240 220 180 160 140 120 20 21 23 24 Ε Ε 22 Ε Ε Ε Start Start Start Start Start 9/5 9/5 9/5 9/5 Finish Finish Finish Finish Finish 9/5 9/5 9/5 9/5 **MEC** MD STAKE # Comments.Notes: E-24: Offset 15' West because of arroyo

## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/5/2008 Completion Date: 9/9/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1620661.50 N 1620584.13 N 1620492.87 N 1620392.44 320 E 2492684.74 E 2492713.34 E 2492739.16 E 2492651.74 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 320 280 260 240 220 180 160 140 120 20 25 28 Ε Ε 26 Ε 27 Ε Ε Start Start Start Start Start 9/5 9/9 9/9 9/9 Finish Finish Finish Finish Finish 9/9 9/9 9/5 9/9 **MEC** MD STAKE # Comments.Notes: E-28: Offset 100 ' west of arroyo

#### **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/25/2008 Completion Date: 8/25/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 N 1620034.77 E 2492974.85 380 385 ' 360 340 320 300 280 260 **Arroyo** 240 Arroyo N 1620289.37 220 E 2492687.75 200 N 1620146.25 Arroyo E 2492668.02 180 178' 160 140 152 ' N 1620042.01 N 1620130.16 E 2492698.48 120 E 2492642.45 100 **110** ' 80 84 ' 60 40 20 300 200 100 80 400 380 340 320 280 260 240 180 160 140 120 220 20 29 32 Ε Ε 30 Ε 31 Ε Ε Start Start Start Start Start 8/25 8/25 8/25 8/25 8/25 Finish Finish Finish Finish Finish 8/25 8/25 8/25 8/25 8/25 **MEC** MD \* STAKE # Comments.Notes: E-29: Offset 97' to West E-30: Offset 103' to West

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/25/2008 Completion Date: 8/25/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1619937.67 N 1619839.41 N 1619745.74 N 1619643.30 320 E 2492881.05 E 2492908.13 E 2492932.48 E 2492955.77 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 180 160 140 120 220 20 33 35 36 Ε Ε 34 Ε Ε Ε Start Start Start Start Start 8/25 8/25 8/25 8/25 Finish Finish Finish Finish Finish 8/25 8/25 8/25 8/25 **MEC** MD STAKE # Comments.Notes:

### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/25/2008 Completion Date: 8/25/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1619550.28 N 1619450.96 N 1619358.57 N 1619200.60 320 E 2492980.97 E 2493004.56 E 2493028.86 E 2493048.72 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 320 280 260 240 180 160 140 120 220 20 37 39 40 Ε Ε 38 Ε Ε Ε Start Start Start Start Start 8/25 8/25 8/25 8/25 Finish Finish Finish Finish Finish 8/25 8/25 8/25 8/25 **MEC** MD \* STAKE # Comments.Notes: E-40 transect crosses buried cables

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/25/2008 Completion Date: 8/25/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1619091.59 N 1619015.80 N 1618900.45 N 1618788.25 320 E 2493071.51 E 2493098.70 E 2493119.77 E 2493159.11 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 1 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 41 44 Ε Ε 42 Ε 43 Ε Ε Start Start Start Start Start 8/25 8/25 8/25 8/25 Finish Finish Finish Finish Finish 8/25 8/25 8/25 8/25 **MEC** MD STAKE # Comments.Notes: E 41 has buried comms cable

Anomalies						
#	ID	Northing	Easting	Comments		
1	1	1618686.72	2492910.98	Wire rope left in place		
2	2	1618559.03	2493029.87	Chicken wire left in place		
3	48-A	1618390.51	2493176.35	MD Frag		
4						
5						
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## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/25/2008 Completion Date: 8/25/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1618294.81 N 1618205.39 N 1618112.89 N 1618092.95 320 300 E 2493256.85 E 2493285.12 E 2493306.76 E 2493346.94 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 340 320 280 260 240 180 160 140 120 220 20 49 50 51 52 Ε Ε Ε Ε Ε Start Start Start Start Start 8/25 8/25 8/25 8/25 Finish Finish Finish Finish Finish 8/25 8/25 8/25 8/25 **MEC** MD STAKE # Comments.Notes:

### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/25/2008 Completion Date: 8/26/2008 QC Signature: QC Date: QA Date: QA Signature: 400 N 1617806.17 E 2493314.17 380 425 ' 360 N 1617907.71 340 N 1617995.32 E 2493412.38 N 1617798.02 320 E 2493376.35 300 E 2493466.70 281 ' 280 275 ' 275 ' 260 240 220 200 180 160 2 140 120 100 80 60 1 40 20 200 100 80 400 380 320 300 280 260 240 180 160 140 120 220 20 53 56 Ε Ε 54 Ε 55 Ε Ε Start Start Start Start Start 8/25 8/25 8/26 8/25 Finish Finish Finish Finish Finish 8/25 8/25 8/25 8/26 **MEC** MD \* STAKE # Comments.Notes:

Anomalies						
#	ID	Northing	Easting	Comments		
1	1	1617312.18	2493434.33	MD Frag		
2	2	1617323.12	2493401.16	Metal wire left in place		
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
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39						
40						
41						
42						
43						

Anomalies						
#	ID	Northing	Easting	Comments		
1	61a	1617062.47	2493708.04	MD frag		
2	63a	1617214.07	2493465.53	MD frag		
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
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44						

#### **PIKA Transect Sheets** Project Project No. **Ft Wingate Kickout Deliniation** W912BV-04--2016-DY02 Completion Date: Start Date: 8/25/2008 9/11/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1616941.65 N 1616835.17 N 1616757.25 N 1616891.76 320 300 E 2493895.60 E 2493976.66 E 2494062.08 E 2494145.38 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 Redo Redo Redo Redo 160 N 1617248.06 N 1617141.89 N 1617190.80 N 1617088.33 E 2493699.57 E 2493822.31 E 2493910.84 E 2494016.64 140 120 100 80 60 40 20 200 100 80 400 380 340 300 280 180 140 320 260 240 220 160 120 20 Ε 65 Ε 66 Ε 67 Ε 68 Ε Start Start Start Start Start 9/11 9/11 8/25 9/11 Finish Finish Finish Finish Finish 9/11 9/11 9/11 9/11 **MEC** MD \* **STAKE** # Comments.Notes: E-68: offset stake 10' SE Transects redone to go out 90 degrees from baseline

#### **PIKA Transect Sheets** Project Project No. **Ft Wingate Kickout Deliniation** W912BV-04--2016-DY02 Start Date: Completion Date: 8/13/2008 8/13/2008 QC Date: QC Signature: **QA Signature:** QA Date: 400 N 1616647.94 E 2494742.54 380 785 ' 360 340 7 N 1616887.70 N 1616721.48 320 N 1616634.40 300 E 2494237.79 E 2494333.73 E 2494414.60 6 5 280 275 ' 275 ' 275 ' 260 240 220 200 Redo Redo Redo Redo 180 N 1617031.90 N 1616990.87 N 1616945.37 N 1616900.56 160 E 24934126.60 E 2494202.90 E 2494291.10 E 2494372.73 140 120 100 80 60 40 20 220 86 120 320 20 60 100 140 240 260 280 160 180 200 300 340 400 72 Ε 69 Ε 70 Ε 71 Ε Ε Start Start Start Start Start 8/13 8/13 8/13 8/13 Finish Finish Finish Finish Finish 8/13 8/13 8/13 8/13 **MEC** MD \* **STAKE** # Comments.Notes: Step - Out required for base line MD/frag fi Transects redone to go out 90 degrees from base

#### **PIKA Transect Sheets** Project **Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/13/2008 Completion Date: 8/13/2008 QC Date: QC Signature: QA Date: QA Şignature: N 1616529.74 400 E 2495053.69 380 N 1616577.35 E 2494806.07 545 ' 360 340 N 1616594.40 325 ' 320 N 1616488.82 300 E 2494605.66 E 2494887.87 286 275 ' 1 275 ' 260 240 220 200 Redo Redo Redo Redo 180 N 1616842.23 N 1616759.28 N 1616679.29 N 1616601.45 160 E 2494487.30 E 2494616.25 E 2494735.60 E 2494839.74 140 120 100 80 60 40 20 200 100 80 400 380 340 320 300 280 180 140 120 260 240 220 160 20 73 76 Ε Ε 74 Ε 75 Ε Ε Start Start Start Start Start 8/13 8/13 8/13 8/13 Finish Finish Finish Finish Finish 8/13 8/13 8/13 8/13 **MEC** MD \* **STAKE** # Comments.Notes: Transects redone to go out 90 degrees from

#### **PIKA Transect Sheets** Project **Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/13/2008 Completion Date: 8/13/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 N 1616282.05 N 1616342.98 E 2495516.56 380 E 2495258.26 525 ' 360 340 N 1616438.10 N 1616396.15 335 ' 320 E 2494983.82 E 2495097.21 300 286 <mark>⊗ 1</mark> 275 ' 275 ' 260 240 220 200 Redo Redo Redo Redo 180 N 1616567.92 N 1616552.83 N 1616497.45 N 1616457.95 160 E 2494909.45 E 2494996.38 E 2495085.01 E 2495770.52 140 120 100 80 60 40 20 200 100 80 400 380 340 320 300 280 260 240 180 140 120 220 160 20 79 80 Ε 77 Ε 78 Ε Ε Ε Start Start Start Start Start 8/13 8/13 8/13 8/13 Finish Finish Finish Finish Finish 8/13 8/13 8/13 8/13 **MEC** MD \* **STAKE** # Comments.Notes: Transects redone to go out 90 degrees from baselone

## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/13/2008 Completion Date: 8/13/2008 QC Signature: QC Date: QA Date: QA Signature: 400 N 1616234.01 N 1616124.72 E 2495640.41 E 2495607.68 380 398 ' 360 550 ' 340 N 1616207.97 N 1616097.16 320 300 E 2495436.47 E 2495578.24 280 260 275 ' 275 ' 240 220 200 180 160 2 140 120 100 80 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 180 160 140 120 220 20 81 82 83 84 Ε Ε Ε Ε Ε Start Start Start Start Start 8/13 8/13 8/13 8/13 Finish Finish Finish Finish Finish 8/13 8/13 8/13 8/13 **MEC** MD STAKE # Comments.Notes:

## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/13/2008 Completion Date: 8/13/2008 QC Date: QC Signature: QA Date: QA Signature: 400 380 360 340 Cliff 320 300 N 1616008.06 E 2495625.59 280 260 **Cliff Cliff** 240 **No Access** 240 ' 220 **No Access** 200 N 1615997.57 180 160 E 2495610.91 140 133 ' 120 100 N 1615961.56 80 60 E 2495599.68 40 30 ' 20 300 100 80 400 380 340 320 280 260 240 220 200 180 160 140 120 20 85 86 87 Ε 88 Ε Ε Ε Ε Start Start Start Start Start 8/13 8/13 8/13 8/13 Finish Finish Finish Finish Finish 8/13 8/13 8/13 8/13 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/18/2008 Completion Date: 8/18/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1615714.02 N 1615787.60 320 E 2496218.51 300 Cliff **Cliff** E 2496280.66 280 260 275 ' 275 ' 240 **No Access** No Access 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 89 Ε 90 91 Ε 92 Ε Ε Ε Start Start Start Start Start 8/18 8/18 Finish Finish Finish Finish Finish 8/18 8/18 **MEC** MD \* STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/18/2008 Completion Date: 8/18/2008 QC Signature: QC Date: QA Date: **QA Signature:** N 1615210.58 400 E 2496425.62 380 437 ' 360 340 N 1615616.76 N 1615418.00 N 1615369.72 320 E 2496325.11 E 2496286.66 E 2496289.55 300 286 275 ' 275 ' 275 ' 260 240 220 200 180 162 ' 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 180 160 140 120 220 20 93 95 96 Ε Ε 94 Ε Ε Ε Start Start Start Start Start 8/18 8/18 8/18 8/18 Finish Finish Finish Finish Finish 8/18 8/18 8/18 8/18 **MEC** MD STAKE # Comments.Notes: Flare body located

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/18/2008 Completion Date: 8/18/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 N 1614830.96 E 2496391.43 380 460 ' 360 340 N 1615128.25 N 1615019.65 N 1614908.21 320 E 2496249.81 E 2496231.44 E 2496209.14 300 280 275 ' 275 ' 275 ' 260 240 220 200 1 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 220 180 160 140 120 20 97 98 99 100 Ε Ε Ε Ε Ε Start Start Start Start Start 8/18 8/18 8/18 8/18 Finish Finish Finish Finish Finish 8/18 8/18 8/18 8/18 **MEC** MD STAKE # Comments.Notes: Frag located

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/18/2008 Completion Date: 8/18/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1614754.72 N 1614720.98 N 1614629.44 N 1614534.03 320 E 2496199.08 E 2496234.31 E 2496188.22 E 2496166.33 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 101 102 103 104 Ε Ε Ε Ε Ε Start Start Start Start Start 8/18 8/18 8/18 8/18 Finish Finish Finish Finish Finish 8/18 8/18 8/18 8/18 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/18/2008 Completion Date: 8/18/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1614441.48 N 1614235.33 N 1614145.49 N 1614956.19 320 E 2496158.06 E 2496125.56 E 2496114.21 E 2496053.90 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 105 106 107 108 Ε Ε Ε Ε Ε Start Start Start Start Start 8/18 8/18 8/18 8/18 Finish Finish Finish Finish Finish 8/18 8/18 8/18 8/18 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/18/2008 Completion Date: 8/18/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1613904.95 N 1613951.75 N 1613838.90 N 1613744.21 320 E 2496067.32 E 2496090.52 E 2496079.96 E 2496068.12 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 109 110 111 112 Ε Ε Ε Ε Ε Start Start Start Start Start 8/18 8/18 8/18 8/18 Finish Finish Finish Finish Finish 8/18 8/18 8/18 8/18 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/19/2008 Completion Date: 8/19/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1613644.21 N 1613481.26 N 1613350.70 N 1613278.55 320 E 2496054.05 E 2496024.67 E 2496001.79 E 2495998.65 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 113 114 115 116 Ε Ε Ε Ε Ε Start Start Start Start Start 8/19 8/19 8/19 8/19 Finish Finish Finish Finish Finish 8/19 8/19 8/19 8/19 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/19/2008 Completion Date: 8/19/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1613179.00 N 1613051.88 N 1612968.14 N 1612890.90 320 E 2495990.66 E 2495956.58 E 2495951.36 E 2495947.27 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 117 118 119 120 Ε Ε Ε Ε Ε Start Start Start Start Start 8/19 8/19 8/19 8/19 Finish Finish Finish Finish Finish 8/19 8/19 8/19 8/19 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/20/2008 Completion Date: 8/20/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1612764.35 N 1612676.14 N 1612571.77 N 1612476.38 320 E 2495923.51 300 E 2495915.50 E 2495894.61 E 2495884.43 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 121 122 123 124 Ε Ε Ε Ε Ε Start Start Start Start Start 8/20 8/19 8/19 8/19 Finish Finish Finish Finish Finish 8/19 8/19 8/20 8/19 **MEC** MD STAKE # Comments.Notes:

### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/19/2008 Completion Date: 8/19/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 N 1612258.47 340 N 1612370.28 N 1612359.86 E 2495864.84 N 1612154.23 320 E 2495872.48 E 2495864.02 E 2495843.75 300 285 ' 286 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 1 40 20 300 200 100 80 **400** 380 320 280 260 240 180 160 140 120 220 20 125 126 127 128 Ε Ε Ε Ε Ε Start Start Start Start Start 8/19 8/19 8/19 8/19 Finish Finish Finish Finish Finish 8/19 8/19 8/19 8/19 **MEC** MD STAKE # Comments.Notes: 75 mm shell casing

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/19/2008 Completion Date: 8/19/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1612060.51 N 1611879.15 N 1611777.28 N 1611708.09 320 E 2495824.96 E 2495801.86 E 2495790.34 E 2495780.68 300 288 260 275 ' 275 ' 275 ' 275 ' 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 129 130 131 132 Ε Ε Ε Ε Ε Start Start Start Start Start 8/19 8/19 8/19 Finish Finish Finish Finish Finish 8/19 8/19 8/19 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/19/2008 Completion Date: 8/19/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1611560.60 N 1611563.81 N 1611464.70 N 1611362.21 320 E 2495747.34 E 2495755.82 E 2495744.13 E 2495729.82 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 133 134 135 136 Ε Ε Ε Ε Ε Start Start Start Start Start 8/19 8/19 8/19 8/19 Finish Finish Finish Finish Finish 8/19 8/19 8/19 8/19 **MEC** MD STAKE # Comments.Notes:

## **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/20/2008 Completion Date: 8/20/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1611261.676 N 1611160.07 N 1611063.50 N 1610963.50 320 E 2495717.31 E 2495697.99 E 2495686.54 E 2495671.02 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 320 280 260 240 180 160 140 120 220 20 137 138 139 140 Ε Ε Ε Ε Ε Start Start Start Start Start 8/20 8/20 8/20 8/20 Finish Finish Finish Finish Finish 8/20 8/20 8/20 8/20 **MEC** MD \* STAKE # Comments.Notes: E-138 and E-139 possible EM-61 grids

### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/20/2008 Completion Date: 8/20/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 N 1610860.32 E 2495909.68 380 360 505 ' 340 N 1610770.40 N 1610672.67 N 1610573.13 320 300 E 2495646.07 E 2495633.86 E 2495617.27 280 260 275 ' 275 ' 275 ' 240 1 220 200 180 160 140 120 100 80 60 40 20 120 220 240 320 20 40 100 140 160 180 200 260 280 300 340 360 400 142 143 144 Ε 141 Ε Ε Ε Ε Start Start Start Start Start 8/20 8/20 8/20 8/20 Finish Finish Finish Finish Finish 8/20 8/20 8/20 8/20 **MEC** MD STAKE # Comments.Notes:

## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/20/2008 Completion Date: 8/20/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1610474.55 N 1610315.19 N 1610203.15 N 1610143.76 320 E 2495604.06 300 E 2495568.69 E 2495568.46 E 2495566.16 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 180 160 140 120 220 20 145 146 147 148 Ε Ε Ε Ε Ε Start Start Start Start Start 8/20 8/20 8/20 8/20 Finish Finish Finish Finish Finish 8/20 8/20 8/20 8/20 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/20/2008 Completion Date: 8/20/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1610024.89 N 1609936.40 N 1609758.14 N 1609758.14 320 E 2495543.38 E 2495529.09 E 2495502.69 E 2495502.69 300 280 275 ' 260 275 ' 275 ' 275 ' 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 149 150 151 152 Ε Ε Ε Ε Ε Start Start Start Start Start 8/20 8/20 8/20 8/20 Finish Finish Finish Finish Finish 8/20 8/20 8/20 8/20 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/11/2008 Completion Date: 9/11/2008 QC Date: QC Signature: QA Date: QA Signature: 400 380 360 340 N 1617021.12 N 1616491.71 320 E 2493798.87 E 2494892.33 300 280 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 120 660 720 780 900 960 1020 1080 1140 1200 60 360 420 480 540 600 64 76 Ε Ε Start Start 9/11 9/11 Finish Finish 9/11 9/11 MEC MD \* STAKE # **Comments.Notes:** Step Out Transect 0f 1200 feet per Work F

#### **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/21/2008 Completion Date: 8/21/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1067863.68 N 1607940.92 N 1068007.50 N 1608060.89 320 E 2494087.99 E 2494185.69 E 2494261.96 E 2494292.99 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 320 280 260 240 180 160 140 120 220 20 101 S 102 103 104 S S S S Start Start Start Start Start 8/21 8/21 8/21 8/21 Finish Finish Finish Finish Finish 8/21 8/21 8/21 8/21 **MEC** MD \* STAKE # Comments.Notes: S-102 through S-106 are EM-61 accessable

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/21/2008 Completion Date: 8/21/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1608374.02 N 1608144.10 N 1608204.97 N 1608272.67 320 E 2492605.69 300 E 2494386.55 E 24944273.31 E 2494500.06 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 180 160 140 120 220 20 105 S 106 107 108 S S S S Start Start Start Start Start 8/21 8/21 8/21 8/21 Finish Finish Finish Finish Finish 8/21 8/21 8/21 8/21 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: **Completion Date:** QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1608493.52 N 1608587.27 N 1608646.48 N 1608710.77 320 E 2494721.32 2494796.3 E 2494846.68 E 2494878.04 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 109 S 110 111 S 112 S S S Start Start Start Start Start 8/20 8/20 8/20 8/20 Finish Finish Finish Finish Finish 8/20 8/20 8/20 8/20 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/20/2008 Completion Date: 8/20/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1608846.98 N 1608936.42 N 1609014.22 N 1609109.25 320 E 2495000.15 E 2495053.21 E 2495114.32 E 2495169.98 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 113 S 114 115 S 116 S S S Start Start Start Start Start 8/20 8/20 8/20 8/20 Finish Finish Finish Finish Finish 8/20 8/20 8/20 8/20 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/20/2008 Completion Date: 8/20/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1609184.86 N 1609269.09 N 1609373.16 N 1609463.69 320 E 2495218.42 E 2495267.34 E 2495323.61 E 2495377.47 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 117 S 118 119 S 120 S S S Start Start Start Start Start 8/20 8/20 8/20 8/20 Finish Finish Finish Finish Finish 8/20 8/20 8/20 8/20 **MEC** MD STAKE # Comments.Notes:

## **PIKA Transect Sheets Ft Wingate Kickout Deliniation** W912BV-04--2016-DY02 **Project** Project No. Start Date: Completion Date: 8/20/2008 8/20/2008 QC Date: QC Signature: QA Signature: QA Date: 400 380 360 340 N 1609560.78 320 E 2495437.02 300 286 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 200 300 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 S 121 S S S S Start Start Start Start Start 8/20 Finish Finish Finish Finish Finish 8/20 **MEC** MD STAKE # **Comments.Notes:**

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/10/2008 Completion Date: 9/10/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1608665.80 N 1608595.28 N 1608523.91 N 1608479.11 320 E 2486158.48 E 2486191.56 E 2486250.18 E 2486302.55 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 320 280 260 240 220 180 160 140 120 20 13 S 14 16 S S 15 S S Start Start Start Start Start 9/10 9/10 9/10 9/10 Finish Finish Finish Finish Finish 9/10 9/10 9/10 9/10 **MEC** MD \* STAKE # Comments.Notes: S-16: Offset 30' North due to cliff

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/10/2008 Completion Date: 9/10/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1609793.64 N 1609670.04 N 1609591.89 N 1609487.61 320 E 2485408.07 E 2485498.08 E 2485525.37 E 2485550.89 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 S S S 4 S 1 2 3 S Start Start Start Start Start 9/10 9/10 9/10 9/10 Finish Finish Finish Finish Finish 9/10 9/10 9/10 9/10 **MEC** MD $\Rightarrow$ STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/11/2008 Completion Date: 9/11/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1608344.70 N 1608272.02 N 1608192.38 N 1608132.45 320 E 2486473.68 E 2486539.36 E 2486602.53 E 2486670.32 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 17 S 18 S 19 S 20 S S Start Start Start Start Start 9/11 9/11 9/11 9/11 Finish Finish Finish Finish Finish 9/11 9/11 9/11 9/11 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/10/2008 Completion Date: 9/10/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1608050.30 N 1607994.65 N 1607908.98 N 1607848.02 320 E 2486742.32 E 2486812.63 E 2486891.37 E 2486964.11 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 21 S 22 S 23 S 24 S S Start Start Start Start Start 9/11 9/11 9/11 9/11 Finish Finish Finish Finish Finish 9/11 9/11 9/11 9/11 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** Ft Wingate Kickout Deliniation W912BV-04--2016-DY02 **Project** Project No. Start Date: 9/16/2008 Completion Date: 9/16/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1607780.45 N 1607721.28 N 1607655.16 N 1607395.59 320 E 2487039.24 E 2487115.18 E 2487159.67 E 2487247.03 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 20 20 20 20 40 100 40 100 40 60 100 100 25 s 26 S 27 S 28 S Start Start Start Start Start 9/16 9/16 9/16 9/16 Finish Finish Finish Finish Finish 9/16 9/16 9/16 9/16 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/16/2008 Completion Date: 9/16/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1607543.13 N 1607477.54 N 1607428.14 N 1607369.28 320 E 2487305.77 E 2487389.36 E 2487458.95 E 2487540.80 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 29 S 30 S 31 S 32 S S Start Start Start Start Start 9/16 9/16 9/16 9/16 Finish Finish Finish Finish Finish 9/16 9/16 9/16 9/16 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/16/2008 Completion Date: 9/16/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1607311.82 320 E 2487646.22 300 280 275 ' 260 N 1607344.81 240 E 2487773.86 220 Cliff **Cliff** 200 No Access **No Access** 188' 180 160 140 120 100 80 60 40 **No Access No Access** 20 300 200 180 160 140 100 80 **400** 380 360 340 320 280 260 240 220 120 60 20 33 S 34 S 35 S 36 S S Start Start Start Start Start 9/16 9/16 9/16 9/16 Finish Finish Finish Finish Finish 9/16 9/16 9/16 9/16 **MEC** MD STAKE # Comments.Notes:

								PIK	ΑΤ	rans	sect	Sh	eets	•							
	Pro	ject	Ft	Wing	jate K	ickou	ıt De	liniat	ion	Proj	ect N	0.	W91	2BV-	0420	)16-D	Y02				
		t Date										on Da	ite:								
	QC I	Date:								QC :	Signa	ture:									
	QA I	Date:								QA S	Signa	ture:									
400																					
380																					
360																					
340																					
320																					
300	)																				
280	)																				
260																					
240								N	VIO.	A	00	00	<u> </u>								
220			ı						VU			<u> </u>	5				Ι	1	1	1	
200																					
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#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/10/2008 Completion Date: 9/10/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1609336.87 N 1609256.14 N 1609192.47 N 1609075.56 320 E 2485810.33 E 2485847.72 E 2485908.33 E 2485946.12 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 5 S S S 6 S 7 8 S Start Start Start Start Start 9/10 9/10 9/10 9/10 Finish Finish Finish Finish Finish 9/10 9/10 9/10 9/10 **MEC** MD STAKE # Comments.Notes:

### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/8/2008 Completion Date: 9/8/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 320 300 280 260 **No Access No Access No Access** 240 220 200 N 1606631.98 E 2490614.47 180 160 150 ' 140 120 100 80 60 40 20 400 380 320 300 280 200 180 100 80 340 260 240 220 160 140 120 20 61 S 62 S 63 S 64 S Start Start Start Start Start 9/8 Finish Finish Finish Finish Finish 9/8 **MEC** MD \* STAKE # **Comments.Notes:** 64: Partial due to terrain

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/28/2008 Completion Date: 8/28/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1606517.78 N 1606536.68 N 1606543.95 N 1606550.75 320 E 2490694.88 E 2490782.57 E 2490895.27 E 2491015.18 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 65 S S 68 S 66 S 67 S Start Start Start Start Start 8/28 8/28 8/28 8/28 Finish Finish Finish Finish Finish 8/28 8/28 8/28 8/28 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/8/2008 Completion Date: 9/8/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1606542.88 N 1606561.49 N 1606581.41 N 1610601.76 320 E 2491093.18 E 2491204.47 E 2491302.47 E 2491381.15 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 340 320 280 260 240 220 180 160 140 120 20 69 S 70 71 S 72 S S S Start Start Start Start Start 9/8 9/8 9/8 9/8 Finish Finish Finish Finish Finish 9/8 9/8 9/8 9/8 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/8/2008 Completion Date: 9/8/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1606610.36 N 1606678.81 N 1606688.10 320 W 2491469.18 E 2491596.58 E 2491699.89 300 28 275 ' 275 ' 260 275 ' 240 **No Access** 220 200 180 Cliff 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 340 320 280 260 240 220 180 160 140 120 20 **73** S 74 S **75** S 76 S S Start Start Start Start Start 9/8 9/8 9/8 9/8 Finish Finish Finish Finish Finish 9/8 9/8 9/8 9/8 **MEC** MD STAKE # Comments.Notes: 74 not accessable due to cliff

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/21/2008 Completion Date: 9/8/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1606758.03 N 1606781.56 320 300 E 2492032.34 E 2492164.84 280 275 ' 275 ' 260 240 **Cliff** 220 Cliff 200 180 N 1606856.06 E 2491860.97 N 1606892.18 160 E 2491959.61 146 124' 120 100 106' 80 60 40 20 300 200 100 80 **400** 380 360 340 320 280 260 240 180 160 140 120 220 20 77 S 78 **79** S 80 S S S Start Start Start Start Start 9/8 9/8 21-Aug 9/8 Finish Finish Finish Finish Finish 9/8 9/8 9/8 21-Aug **MEC** MD \* STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/21/2008 Completion Date: 8/21/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1606864.81 N 1606890.23 N 1606890.22 N 1606924.63 320 E 2492263.45 E 2492374.98 E 2492444.71 E 2492539.27 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 320 280 260 240 220 180 160 140 120 20 81 S 82 83 S 84 S S Start Start Start Start Start 8/21 8/21 8/21 8/21 Finish Finish Finish Finish Finish 8/21 8/21 8/21 8/21 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/21/2008 Completion Date: 8/21/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1606971.73 N 1607019.00 N 1607066.42 N 1607091.22 320 E 2492632.34 E 2492726.10 E 2492813.74 E 2492904.03 300 28 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 85 S 86 87 S 88 S S S Start Start Start Start Start 8/21 8/21 8/21 8/21 Finish Finish Finish Finish Finish 8/21 8/21 8/21 8/21 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/21/2008 Completion Date: 8/21/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1607151.00 N 1607198.12 N 1607259.19 N 1607298.53 320 E 2492987.60 E 2493060.69 E 2493195.39 300 E 2493245.77 280 260 275 ' 275 ' 275 ' 275 ' 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 320 280 260 240 220 180 160 140 120 20 89 S 90 91 S 92 S S Start Start Start Start Start 8/21 8/21 8/21 8/21 Finish Finish Finish Finish Finish 8/21 8/21 8/21 8/21 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/10/2008 Completion Date: 9/10/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1608987.71 N 1608911.87 N 1608824.12 N 1608744.22 320 E 2485986.30 E 2486012.85 E 2486107.85 E 2486135.20 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 9 S 10 11 S 12 S S S Start Start Start Start Start 9/10 9/10 9/10 9/10 Finish Finish Finish Finish Finish 9/10 9/10 9/10 9/10 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/21/2008 Completion Date: 8/21/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1607341.93 N 1607416.29 N 1607472.93 N 1607728.35 320 E 2493334.82 E 2493411.43 E 2493502.62 E 2493851.85 300 280 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 340 320 280 260 240 220 180 160 140 120 20 93 S 95 S 96 S 94 S S Start Start Start Start Start 8/21 8/21 8/21 8/21 Finish Finish Finish Finish Finish 8/21 8/21 8/21 8/21 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/21/2008 Completion Date: 8/21/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 N 1607761.96 340 N 1607632.95 N 1607684.68 N 1607725.00 E 2493988.58 320 E 2493798.79 E 2493871.21 E 2493941.15 300 295 ' 280 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 **⊗** 1 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 97 s 98 S 99 s 100 S S Start Start Start Start Start 8/21 8/21 8/21 8/21 Finish Finish Finish Finish Finish 8/21 8/21 8/21 8/21 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/3/2008 Completion Date: 9/3/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1612536.89 320 300 E 2485392.25 **No Access** 280 **⊉**75 ' 260 **No Access** N 1612610.92 **No Access** 240 E 2485437.93 220 230 ' 200 N 1612697.01 180 160 E 2485528.87 140 120 137 ' 100 N 1613773.99 60 E 2485613.36 40 50 ' 20 300 200 100 80 400 380 360 340 320 280 260 240 180 160 140 120 220 20 W 101 W 102 W 103 W 104 W Start Start Start Start Start 9/3 9/3 9/3 9/3 Finish Finish Finish Finish Finish 9/3 9/3 9/3 9/3 MEC MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/3/2008 Completion Date: 9/3/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1612417.62 N 1612301.25 N 1612243.47 N 1612158.90 320 E 2489397.76 E 2485379.39 E 2485390.61 E 2485389.47 300 286 275' 260 275' 275' 275' 240 220 200 180 160 140 120 100 80 60 40 20 200 100 80 400 380 360 340 320 300 280 260 240 180 160 140 120 220 20 105 W 106 W 107 W 108 W W Start Start Start Start Start 9/3 9/3 9/3 9/3 9/3 Finish Finish Finish Finish Finish 9/3 9/3 9/3 9/3 9/3 **MEC** MD \* STAKE # Comments.Notes: 105 offset 10' East **ALL HILLS**

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/3/2008 Completion Date: 9/4/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1612009.80 N 1611940.51 N 1611845.16 N 1611771.59 320 E 2485377.63 E 2485381.46 E 2485378.13 E 2485387.24 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 W 109 W 110 W 111 W 112 W Start Start Start Start Start 9/3 9/3 9/4 9/4 Finish Finish Finish Finish Finish 9/3 9/4 9/3 9/4 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/4/2008 Completion Date: 9/4/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1611630.95 N 1611545.27 N 1611470.17 N 1611323.66 320 E 2485368.51 E 2485375.15 300 E 2485382.48 E 2485370.23 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 W 113 W 114 W 115 W 116 W Start Start Start Start Start 9/4 9/4 9/4 9/4 Finish Finish Finish Finish Finish 9/4 9/4 9/4 9/4 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/4/2008 Completion Date: 9/4/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 340 N 1611208.98 N 1611088.23 N 1610966.98 N 1610870.38 320 E 2485359.58 E 2485362.37 E 2485346.12 E 2485365.37 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 320 280 260 240 220 180 160 140 120 20 W 117 W 118 W 119 W 120 W Start Start Start Start Start 9/4 9/4 9/4 9/4 Finish Finish Finish Finish Finish 9/4 9/4 9/4 9/4 **MEC** MD STAKE # Comments.Notes:

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/4/2008 Completion Date: 9/4/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1610776.62 320 E 2485354.31 300 280 275 ' 260 N 1610677.82 E 2485340.84 240 N 1610573.42 220 E 2485450.37 200 200 ' 180 175 ' 160 140 120 N 1610476.07 100 80 E 2485584.68 60 40 ' 40 20 300 200 100 80 **400** 380 360 320 280 260 240 180 160 140 120 220 20 W 121 W 122 W 123 W 124 W Start Start Start Start Start 9/4 9/4 9/4 9/4 Finish Finish Finish Finish Finish 9/4 9/4 9/4 9/4 **MEC** MD STAKE # Comments.Notes: 122/ 123/124: Partials due to terrain

# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/4/2008 Completion Date: 9/4/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 320 300 280 260 No access No access No access No access 240 220 200 180 160 140 120 100 80 60 40 No access No access No access No access 20 400 380 360 340 300 280 260 240 200 180 160 140 120 100 80 320 220 60 20 W 125 W 126 W 127 W 128 W Start Start Start Start Start 9/4 9/4 9/4 9/4 Finish Finish Finish Finish Finish 9/4 9/4 9/4 9/4 **MEC** MD \* STAKE # Comments.Notes: No access due to terrain

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# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/18/2008 Completion Date: 9/18/2008 QC Date: QC Signature: QA Date: QA Signature: 400 380 360 340 320 300 280 260 N 1622714.52 240 N 1622800.20 E 2485952.70 220 ' E 2485994.56 220 200 190' 180 **No Access** 160 N 1622463.84 E 2486046.83 140 120 100 115 80 60 40 **No Access** 20 300 280 260 240 200 100 80 400 380 340 320 220 180 160 140 120 20 W W W W 4 1 2 3 W Start Start Start Start Start 9/18 9/18 9/18 9/18 Finish Finish Finish Finish Finish 9/18 9/18 9/18 9/18 **MEC** MD STAKE # Comments.Notes: W4: 110 ' to arroyo W3: No access W1: End at cliff

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## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/27/2008 Completion Date: 8/27/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1619226.10 N 1619108.39 N 1619021.70 320 E 2485709.16 300 E 2485701.42 E 2485697.64 286 275 ' 275 ' 275 ' 260 240 No access 220 200 180 160 Arroyo 140 120 100 80 60 40 No access 20 300 200 100 80 400 380 360 320 280 260 240 220 180 160 140 120 60 20 W 37 W 38 W 39 W 40 W Start Start Start Start Start 8/27 8/27 8/27 8/27 Finish Finish Finish Finish Finish 8/27 8/27 8/27 8/27 **MEC** MD STAKE # Comments.Notes:

## **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/27/2008 Completion Date: 8/27/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1618790.08 N 1618699.08 N 1618618.39 N 1618490.73 320 E 2485692.04 300 E 2485678.99 E 2485675.30 E 2485668.51 280 275 ' 275 ' 275 ' 267 ' 260 240 220 200 180 160 140 120 100 80 60 40 20 300 200 100 80 **400** 380 340 320 280 260 240 180 160 140 120 220 20 W 41 W W W 44 42 43 W Start Start Start Start Start 8/27 8/27 8/27 8/27 Finish Finish Finish Finish Finish 8/27 8/27 8/27 8/27 **MEC** MD STAKE # Comments.Notes: 41: Ended in arroyo 43: Offset 50' West

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# **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/27/2008 Completion Date: 8/27/2008 QC Date: QC Signature: QA Date: QA Signature: 400 380 360 340 320 300 280 260 240 220 200 No Access **No Access** N 1616458.12 180 **No Access** 160 E 2485792.75 140 130' 120 100 80 60 1 40 **No Access No Access No Access** 20 400 380 360 340 320 280 260 240 200 180 160 140 100 80 300 220 120 20 W 61 W 62 W W W 63 64 Start Start Start Start Start 8/27 Finish Finish Finish Finish Finish 8/27 **MEC** MD STAKE # **Comments.Notes:** 61/62/63: No access due to terrain Partial due to terrain 64:

## **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/27/2008 Completion Date: 8/27/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1616064.33 320 300 E 2485532.18 280 No access 275 ' 260 N 1616277.06 E 2485630.95 240 220 200 200 ' 180 N 1616370.54 160 140 E 2485729.01 120 100 110' 80 2 60 1 40 20 300 200 100 80 400 380 340 320 280 260 240 220 180 160 140 120 20 W 65 W W W 68 66 67 W Start Start Start Start Start 8/27 8/27 8/27 8/27 Finish Finish Finish Finish Finish 8/27 8/27 8/27 8/27 **MEC** MD \* STAKE # Comments.Notes: 65/66: Terrain past marked points are not accessable due to steep terrain No access due to terrain 67:

### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/27/2008 Completion Date: 8/27/2008 QC Signature: QC Date: QA Date: **QA Signature:** N 1615873.09 N 1615768.49 N 1615670.07 400 £ 2485415.34 E 2485457.62 E 2485451.57 380 **340** ' **⅓** 335 ′ 375 ' 360 340 N 1615965.11 320 E 2485534.55 300 280 275 ' 260 240 220 200 180 160 140 3 120 100 **⊗**1 80 2 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 180 160 140 120 220 20 W 69 W 70 W 71 W 72 W Start Start Start Start Start 8/27 8/27 8/27 8/27 Finish Finish Finish Finish Finish 8/27 8/27 8/27 8/27 **MEC** MD STAKE # Comments.Notes:

#### **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 8/27/2008 Completion Date: 9/11/2008 QC Date: QC Signature: QA Date: **QA Signature:** 400 380 360 340 N 1615664.47 N 1615506.98 N 1615421.94 N 1615153.02 320 E 2485525.46 E 2485506.20 E 2485469.99 E 2485489.70 300 288 275 ' 275 ' 275 ' 275 ' 260 240 220 200 180 160 140 120 No access 100 80 60 40 No access 20 300 200 100 80 400 380 360 340 320 280 260 240 180 160 140 120 220 20 73 W 74 75 W 76 W W W Start Start Start Start Start 8/27 8/27 9/11 8/27 Finish Finish Finish Finish Finish 8/27 8/27 8/27 9/11 **MEC** MD \* STAKE # Comments.Notes: 75: Stake offset 30 ' west side of arroyo 73 Base: Not accessable 76: Offset 25' to West

#### **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/4/2008 Completion Date: 9/11/2008 QC Signature: QC Date: QA Date: **QA Signature:** 400 380 360 340 N 1615153.02 N 1615064.66 N 1614965.04 N 1614862.72 320 E 2485489.70 E 2485482.98 E 2485479.41 E 2485473.06 300 286 275 ' 275 ' 275 ' 275 ' 260 240 220 Arroyo Arroyo Arroyo 200 180 160 **Arroyo** 140 120 100 80 60 40 20 300 200 100 80 **400** 380 360 340 320 280 260 240 220 180 160 140 120 20 W 77 W 78 W 79 W 80 W Start Start Start Start Start 9/11 9/4 9/4 9/4 Finish Finish Finish Finish Finish 9/4 9/4 9/11 9/4 **MEC** MD STAKE # Comments.Notes:

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## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 8/28/2008 Completion Date: 8/28/2008 QC Signature: QC Date: QA Date: **QA Signature:** N 1613781.89 400 N 1613978.72 N 1613881.71 £ 2485327.42 E 2485272.93 E 2485231.37 380 N 1613675.74 425 ' 445 365 E 2485337.18 360 340 ' 340 320 300 280 260 240 220 200 2 180 160 1 120 100 ⊗3 80 **⊗ 4** 60 40 20 300 200 100 80 400 380 360 340 320 280 260 240 180 160 140 120 220 20 W 89 W 90 W 91 W 92 W Start Start Start Start Start 8/28 8/28 8/28 8/28 Finish Finish Finish Finish Finish 8/28 8/28 8/28 8/28 MEC MD STAKE # Comments.Notes:

PIKA Transect Sheets																					
	Project  Ft Wingate Kickout Deliniation									ect N	0.	W91	012BV-042016-DY02								
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## **PIKA Transect Sheets Project Ft Wingate Kickout Deliniation** Project No. W912BV-04--2016-DY02 Start Date: 9/3/2008 Completion Date: 9/3/2008 QC Signature: QC Date: QA Date: **QA Signature:** N 1613378.68 400 E 2485198.53 380 465 ' 360 340 N 1613562.75 N 1613466.01 N 1613275.37 320 E 2485411.28 E 2485425.53 E 2485395.52 300 280 275 ' 275 ' 275 ' 260 240 220 200 1 180 160 140 120 100 80 60 40 20 200 100 80 400 380 360 320 300 280 260 240 180 160 140 120 220 20 W 93 W W 95 W 96 94 W Start Start Start Start Start 9/3 9/3 9/3 9/3 Finish Finish Finish Finish Finish 9/3 9/3 9/3 9/3 **MEC** MD STAKE # Comments.Notes: 93-96: EM-61 accessible

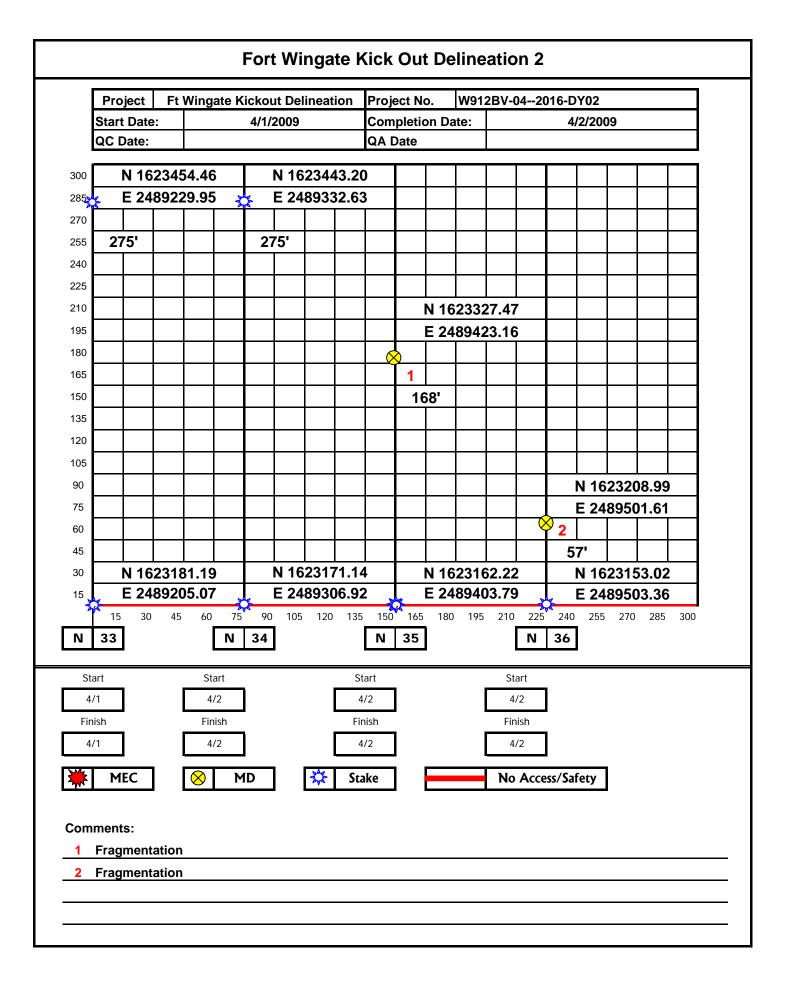
## **PIKA Transect Sheets** W912BV-04--2016-DY02 **Project Ft Wingate Kickout Deliniation** Project No. Start Date: 9/3/2008 Completion Date: 9/3/2008 QC Signature: QC Date: QA Date: QA Signature: 400 380 360 N 1613173.92 340 N 1612883.65 E 2485395.02 N 1613074.56 N 1612973.36 320 E 2485394.74 E 2485391.29 E 2485384.34 300 280 275 ' 275 ' 275 ' 260 280 ' 240 220 200 180 160 140 120 100 80 60 40 20 1 300 200 100 80 400 380 360 340 320 280 260 240 180 160 140 120 220 20 W 97 W 98 W 99 W 100 W Start Start Start Start Start 9/3 9/3 9/3 9/3 Finish Finish Finish Finish Finish 9/3 9/3 9/3 9/3 **MEC** MD STAKE # Comments.Notes: 97-100 are EM-61 accessible

## Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/20/2009 4/20/2009 QC Date: QA Date N 1618975.96 N 1618709.86 300 N 1618433.85 N 1618708.71 285 E 2485137.92 E 2485379.11 E 2485133.03 E 2484860.17 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1618710.05 N 1618710.05 N 1618710.05 N 1618710.05 30 E 2485136.23 E 2485136.23 E 2485136.23 E 2485136.23 15 75 150 165 180 195 210 225 240 60 105 120 135 255 270 285 15 30 45 90 300 Well Ν Well Ε Well S Well W Start Start Start Start 4/20 4/20 4/20 4/20 Finish Finish Finish Finish 4/20 4/20 4/20 4/20 **MEC** MD \*\* Stake No Access/Safety Comments:

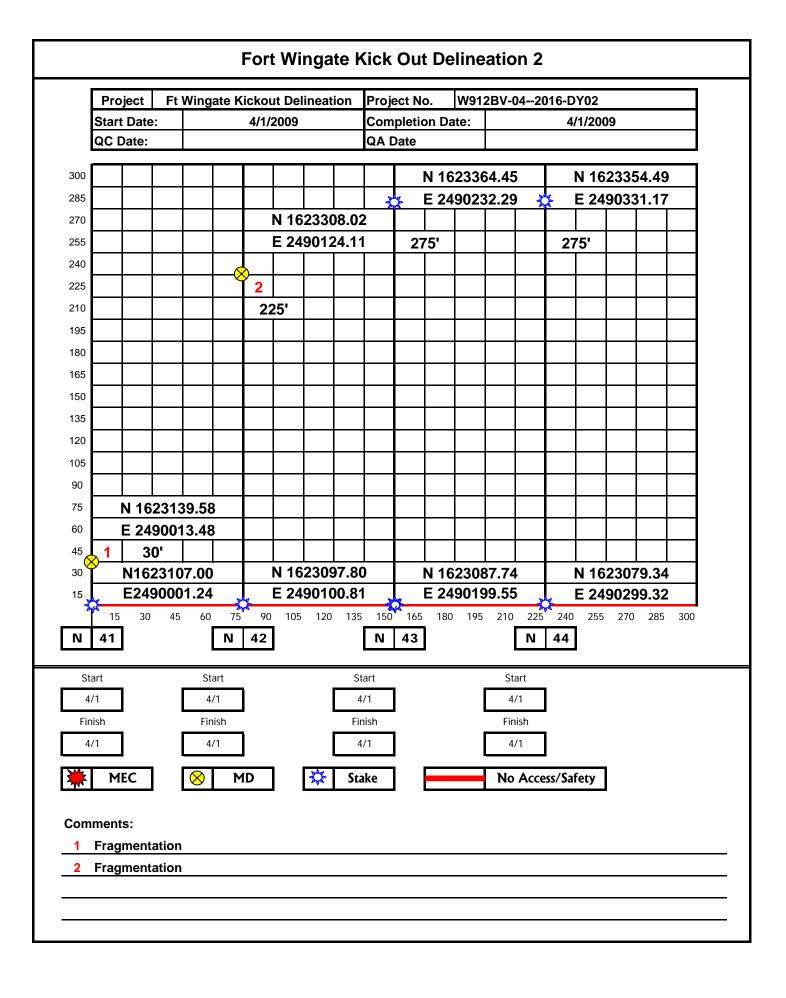
#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/1/2009 4/2/2009 QC Date: QA Date N 1623562.84 N 1623557.64 300 N 1623546.50 N 1623537.29 285 E 2488038.14 E 2488145.82 E 2488234.19 E 2488333.77 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1623281.53 N 1623289.33 N 1623273.90 N 1623260.72 30 E 2488014.54 E 2488100.52 E 2488208.05 E 2488308.68 15 150 165 75 105 120 135 180 195 210 225 240 15 30 45 60 90 255 270 285 300 N 21 Ν 22 Ν 23 Ν 24 Start Start Start Start 4/1 4/1 4/1 Finish Finish Finish Finish 4/2 4/1 4/1 4/1 **MEC** MD \*\* Stake No Access/Safety Comments: N21 Very difficult access

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/1/2009 Completion Date: 4/1/2009 QC Date: QA Date N 1623518.89 300 N 1623509.68 N 1623500.48 285 E 2488532.92 E 2488632.49 E 2488732.07 270 275' 255 275' 275' 240 225 210 195 180 N 1623360.35 165 150 E 2488421.63 135 120 105 125' 90 75 60 45 N 1623246.91 N 1623236.78 N 1623254.25 N 1623227.89 30 E 2488408.03 E 2488505.39 E 2488606.43 E 2488707.48 15 150 165 90 225 240 15 30 45 60 75 105 120 135 180 195 210 255 270 285 300 N 25 Ν 26 Ν 27 Ν 28 Start Start Start Start 4/1 4/1 4/1 Finish Finish Finish Finish 4/1 4/1 4/1 4/1 **MEC** MD \*\* Stake No Access/Safety Comments: 1 Fragmentation

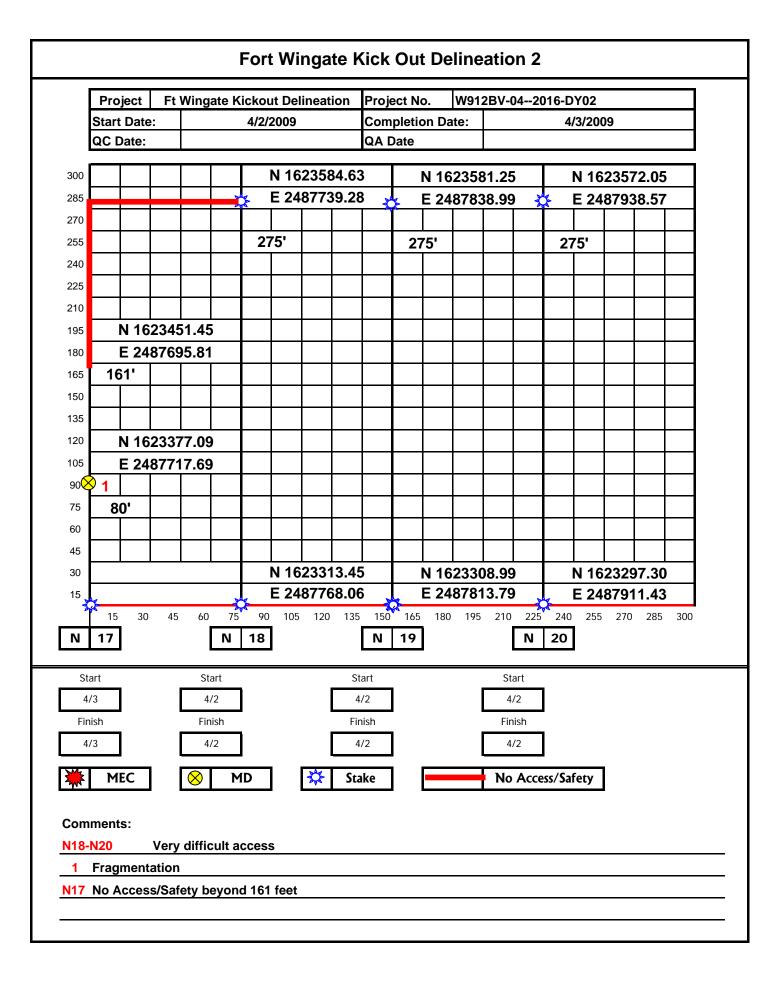
### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 Project Project No. Completion Date: Start Date: 4/1/2009 4/1/2009 QC Date: QA Date N 1623491.28 N 1623482.07 300 N 1623472.86 N 1623463.67 285 E 2488831.64 E 2488931.22 E 2489030.80 E 2489130.37 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1623209.23 N 1623217.18 N 1623201.22 N 1623189.44 30 E 2488807.50 E 2488909.47 E 2489006.59 E 2489104.37 15 150 165 75 105 120 135 180 195 210 225 240 15 30 45 60 90 255 270 285 300 N 29 Ν 30 Ν 31 Ν 32 Start Start Start Start 4/1 4/1 Finish Finish Finish Finish 4/1 4/1 4/1 4/1 **MEC** MD \*\* Stake No Access/Safety Comments:



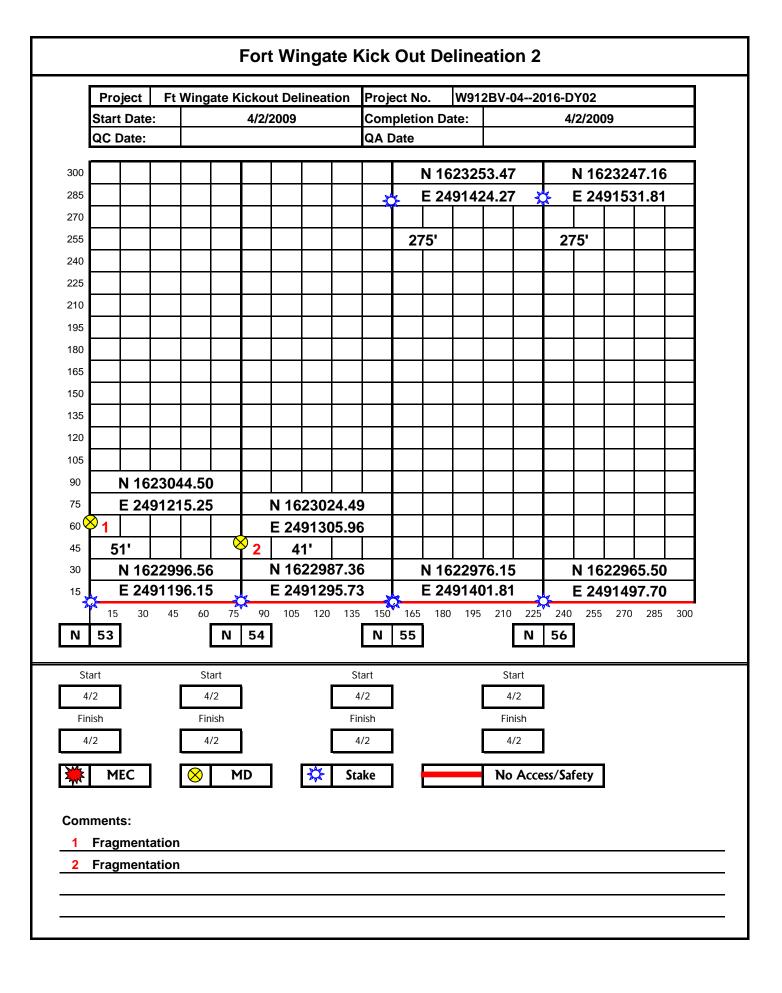
#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/1/2009 Completion Date: 4/2/2009 QC Date: **QA** Date N 1623415.59 N 1623406.39 300 N 1623392.13 285 E 2489631.35 E 2489730.93 E 2489930.51 270 275' 275' 255 275' 240 N 1623306.45 225 E 2489819.87 210 195 180 1 183' 165 150 135 120 105 90 75 60 45 N 1623131.76 N 1623142.50 N 1623125.41 N 1623115.68 30 E 2489606.20 E 2489705.18 E 2489802.09 E 2489902.14 15 150 165 90 225 240 15 30 45 60 75 105 120 135 180 195 210 255 270 285 300 N 37 Ν 38 Ν 39 Ν 40 Start Start Start Start 4/2 4/2 4/1 Finish Finish Finish Finish 4/2 4/2 4/2 4/1 **MEC** MD \*\* Stake No Access/Safety Comments: 1 Fragmentation



#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/1/2009 Completion Date: 4/1/2009 QC Date: **QA** Date N 1623344.03 N 1623339.20 300 N 1623318.95 285 E 2490424.85 E 2490523.31 E 2490729.60 270 275' 275' 255 275' 240 N 1623217.19 225 E 2490630.84 210 195 180 175' 165 150 135 120 105 90 75 60 45 N 1623061.34 N 1623051.78 N 1623069.86 N 1623042.82 30 E 2490398.55 E 2490499.56 E 2490598.69 E 2490699.29 15 150 165 90 15 30 45 60 75 105 120 135 180 195 210 225 240 255 270 285 300 N 45 Ν 46 Ν 47 Ν 48 Start Start Start Start 4/1 4/1 4/1 Finish Finish Finish Finish 4/1 4/1 4/1 4/1 **MEC** MD \*\* Stake No Access/Safety Comments: 1 Fragmentation



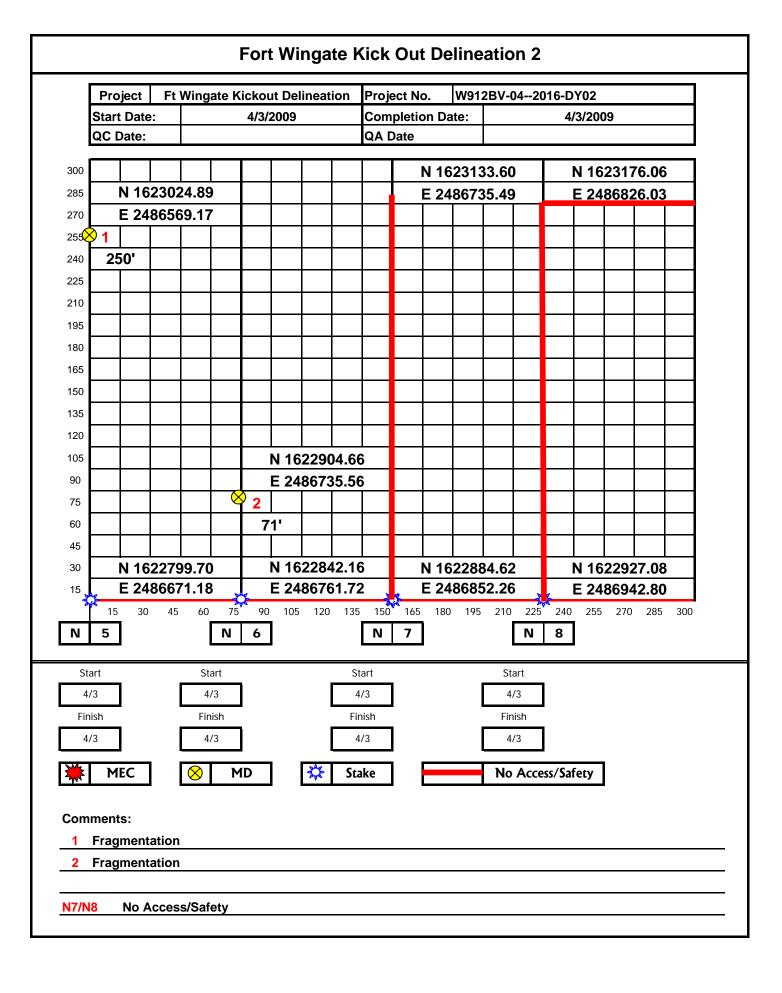
#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/2/2009 Completion Date: 4/2/2009 QC Date: QA Date N 1623299.47 300 N 1623291.73 N 1623281.81 285 E 2490928.95 E 2491029.34 E 2491126.82 N 1623260.33 270 E 2490848.35 275' 255 275' 275' 240 225 226' 210 195 180 165 150 135 120 105 90 75 60 45 N 1623022.59 N 1623033.38 N 1623009.87 N 1623003.73 30 E 2490797.85 E 2490900.23 E 2490998.01 E 2491100.98 15 150 165 90 225 240 15 30 60 75 105 120 135 180 195 210 255 270 45 285 300 N 49 Ν 50 Ν 51 Ν 52 Start Start Start Start 4/2 4/2 4/2 Finish Finish Finish Finish 4/2 4/2 4/2 4/2 **MEC** MD \*\* Stake No Access/Safety Comments: 1 Fragmentation



### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/2/2009 4/2/2009 QC Date: QA Date N 1623233.78 N 1623192.89 300 N 1623123.15 285 E 2491627.28 E 2491716.76 E 2491787.36 270 275' 255 350' 325' 240 N 1623145.36 225 E 2491611.48 210 195 180 N 1623115.44 165 150 E 2491622.57 135 120 105 90 75 60 45 N 1622867.25 N 1622961.26 N 1622867.25 30 E 2491564.42 E 2491586.86 E 2491586.86 15 150 165 135 180 195 210 225 15 30 45 60 75 90 105 120 240 255 270 285 300 N **57** Ν 58 Ν 59 Start Start Start Start 4/2 4/2 4/2 Finish Finish Finish Finish 4/2 4/2 4/2 **MEC** MD \*\* Stake No Access/Safety Comments: N57 Arroyo Side Safety between 165 and 195 feet.

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/3/2009 4/6/2009 QC Date: QA Date N 1623386.30 300 N 1623429.44 N 1623473.28 N 1623515.74 285 E 2487281.83 E 2487550.34 E 2487367.82 E 2487459.80 270 255 275' 240 N 1623294.73 225 E 2487234.19 210 195 180 N 1623244.95 165 150 E 2487327.79 135💢 127' 120 105 90 75 60 45 N 1623185.07 N 1623139.38 N 1623224.30 N 1623266.76 30 E 2487395.49 E 2487486.82 E 2487576.56 E 2487667.10 15 150 165 15 30 45 60 75 90 105 120 135 180 195 210 225 240 255 270 285 300 N 13 Ν 14 Ν 15 Ν 16 Start Start Start Start 4/3 4/3 4/3 Finish Finish Finish Finish 4/6 4/3 4/3 4/3 **MEC** MD \*\* Stake No Access/Safety Comments: N13,N15,N16 No Access/Safety

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/3/2009 Completion Date: 4/3/2009 QC Date: QA Date N 1622846.46 300 N 1622961.70 N 1623004.16 285 E 2486216.67 E 2486376.45 E 2486466.98 270 275' 255 275' 275' 240 225 210 195 180 165 150 135 N 1622779.47 120 E 2486422.66 105 90 75 82' 60 45 N 1622690.59 N 1622713.11 N 1622712.67 N 1622754.95 30 E 2486492.36 E 2486438.53 E 2486493.49 E 2486584.06 15 150 165 15 30 60 75 105 120 135 180 195 210 225 240 255 270 45 90 285 300 N 1 Ν 2 Ν 3 Ν 4 Start Start Start Start 4/3 4/3 4/3 Finish Finish Finish Finish 4/3 4/3 4/3 4/3 **MEC** MD \*\* Stake No Access/Safety Comments: 1 Fragmentation



### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/3/2009 4/3/2009 QC Date: QA Date N 1623218.52 300 N 1623260.98 N 1623303.44 N 1623345.90 285 E 2486916.57 E 2487097.65 E 2487007.11 E 2487188.18 270 255 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1623012.00 N 1622969.54 N 1623054.46 N 1623096.92 30 E 2487033.34 E 2487123.87 E 2487214.41 E 2487304.95 15 150 165 105 120 180 195 15 30 45 60 75 90 135 210 225 240 255 270 285 300 N Ν 10 Ν 11 Ν 12 Start Start Start Start 4/3 4/3 4/3 Finish Finish Finish Finish 4/3 4/3 4/3 4/3 **MEC** MD \*\* Stake No Access/Safety Comments: N9-N12 No Access/Safety

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/2/2009 Completion Date: 4/16/2009 QC Date: **QA** Date 300 N 1623030.66 N 1622941.53 N 1622742.39 285 E 2491834.36 E 2491857.29 E 2491902.77 270 295' 255 277' 263' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1622867.25 N 1622867.25 N 1622774.73 N 1622675.66 30 E 2491586.86 E 2491586.86 E 2491608.62 E 2491635.99 15 150 165 30 60 75 105 120 135 180 195 210 225 240 255 270 285 15 45 90 300 Ε 2 Ε 3 Ε 4 Ε 1 Start Start Start Start 4/16 4/2 4/2 Finish Finish Finish 4/2 4/2 4/2 4/16 \*\* **MEC** MD Stake **Starting Point/Ending Point** Comments: 1 Fragmentation located at 263 feet @ 30 degrees from E3

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/13/2009 4/13/2009 QC Date: QA Date N 1614626.05 N 1614527.00 300 N 1614427.96 N 1614328.92 E 2495906.90 E 2495893.09 E 2495879.29 285 E 2495865.49 270 275' 255 275' 275' 275' 240 225 210 195 180 N 1614645.95 165 150 E 2495781.62 135 127' 120 105 N 1614564.97 90 75 E 2495673.92 54' 60 **9** 2 45 N 1614564.97 N 1614664.01 N 1614465.92 N 1614366.88 30 E 2495634.53 E 2495620.73 E 2495606.92 E 2495593.12 15 150 165 15 30 60 75 90 105 120 135 180 195 210 225 240 255 270 45 285 300 E 104 E 105 E 106 Ε 103 Start Start Start Start 4/13 4/13 4/13 4/13 Finish Finish Finish 4/13 4/13 4/13 4/13 \*\* **MEC** MD \*\* Stake **Starting Point/Ending Point** Comments: Fragmentation 1,2

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/13/2009 4/13/2009 QC Date: **QA** Date N 1614229.88 N 1614130.83 300 N 1614031.79 N 1613932.75 E 2495851.68 E 2495837.88 E 2495824.07 285 E 2495810.27 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 N 1614266.48 E 2495596.18 60 45 17' N 1614168.79 N 1614267.84 N 1614069.75 N 1613970.71 30 E 2495579.31 E 2495565.51 E 2495551.71 E 2495537.90 15 150 165 15 30 45 60 75 90 105 120 135 180 195 210 225 240 255 270 285 300 E 108 E 109 E 110 Ε 107 Start Start Start Start 4/13 4/13 4/13 4/13 Finish Finish Finish 4/13 4/13 4/13 4/13 \*\* **MEC** MD \*\* Stake **Starting Point/Ending Point** Comments: Fragmentation

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/13/2009 Completion Date: 4/13/2009 QC Date: **QA** Date N 1613833.71 N 1613734.66 300 N 1613635.62 N 1613536.58 E 2495796.46 E 2495782.66 E 2495768.86 285 E 2495755.05 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1613772.62 N 1613871.67 N 1613673.58 N 1613574.54 30 E 2495524.10 E 2495510.29 E 2495496.49 E 2495482.69 15 150 165 75 120 135 180 195 210 225 240 15 30 45 60 90 105 255 270 285 300 E 112 E 113 E 114 Ε 111 Start Start Start Start 4/13 4/13 4/13 4/13 Finish Finish Finish 4/13 4/13 4/13 4/13 \* **MEC** MD \*\* Stake **Starting Point/Ending Point** Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/14/2009 Completion Date: 4/14/2009 QC Date: **QA** Date N 1613437.53 N 1613338.49 300 N 1613239.45 N 1613140.41 E 2495741.25 E 2495727.44 E 2495713.64 285 E 2495699.34 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1613376.45 N 1613475.50 N 1613277.41 N 1613178.37 30 E 2495468.88 E 2495455.08 E 2495441.27 E 2495427.47 15 150 165 75 105 120 135 180 195 210 225 240 15 30 45 60 90 255 270 285 300 E 116 E 117 E 118 Ε 115 Start Start Start Start 4/14 4/14 4/14 4/14 Finish Finish Finish 4/14 4/14 4/14 4/14 \*\* **MEC** MD \*\* Stake **Starting Point/Ending Point** Comments:

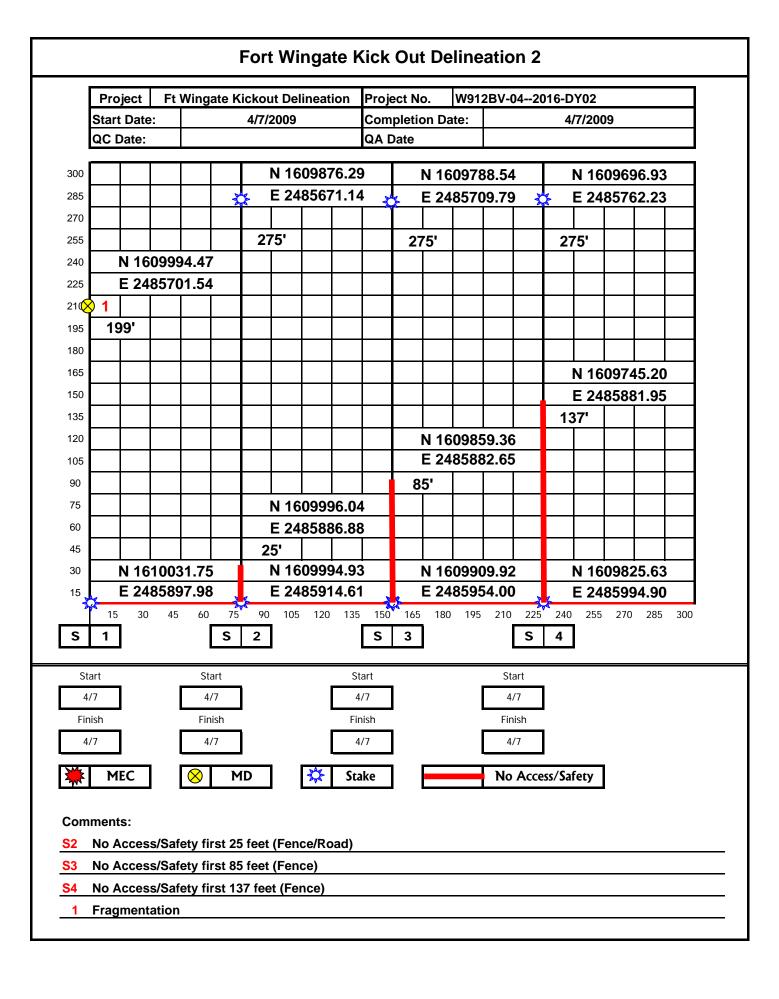
### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/14/2009 4/14/2009 QC Date: **QA** Date N 1613041.36 N 1612942.32 300 N 1612843.28 N 1612744.24 E 2495686.03 E 2495672.23 E 2495658.42 285 E 2495644.62 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1612980.28 N 1613079.33 N 1612881.24 N 1612782.20 30 E 2495413.66 E 2495399.86 E 2495386.06 E 2495372.25 15 150 165 75 105 120 135 180 195 210 15 30 45 60 90 225 240 255 270 285 300 119 E 120 E 121 E 122 Ε Start Start Start Start 4/14 4/14 4/14 4/14 Finish Finish Finish 4/14 4/14 4/14 4/14 \* **MEC** MD \*\* Stake **Starting Point/Ending Point** No Access/Safety Comments:

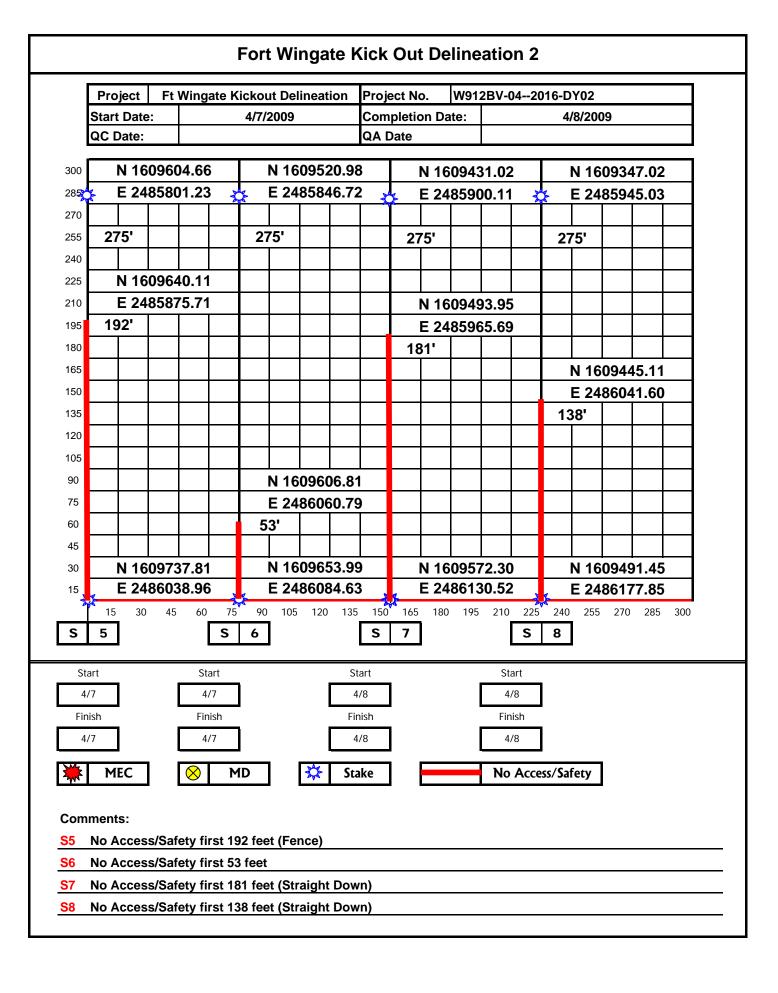
## Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 **Ft Wingate Kickout Delineation** Project Project No. Start Date: Completion Date: 4/14/2009 4/14/2009 QC Date: QA Date N 1612645.19 N 1612546.15 300 285 E 2495630.82 E 2495617.01 270 275' 275' 255 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1612584.11 N 1612683.15 30 E 2495358.45 E 2495344.64 15 150 165 60 75 105 120 135 210 225 15 30 45 90 180 195 240 255 270 285 300 Ε 123 E 124 Ε Ε Start Start Start Start 4/14 4/14 Finish Finish Finish 4/14 4/14 **MEC** MD \*\* Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/14/2009 4/14/2009 QC Date: QA Date N 1610664.34 N 1610565.30 300 N 1610466.26 N 1610367.21 285 E 2495354.74 E 2495340.93 E 2495327.13 E 2495313.32 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1610603.26 N 1610702.30 N 1610504.22 N 1610405.17 30 E 2495082.37 E 2495068.56 E 2495054.76 E 2495040.96 15 150 165 75 105 120 135 180 195 210 15 30 45 60 90 225 240 255 270 285 300 E 144 E 145 E 146 Ε 143 Start Start Start Start 4/14 4/14 4/14 4/14 Finish Finish Finish 4/14 4/14 4/14 4/14 **MEC** MD \*\* Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/14/2009 4/15/2009 QC Date: QA Date N 1610268.17 N 1610169.13 300 N 1610070.08 N 1609971.04 E 2495299.52 E 2495285.71 E 2495271.91 285 E 2495258.11 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1610207.09 N 1610306.13 N 1610108.05 N 1610009.00 30 E 2495027.15 E 2495013.35 E 2494999.54 E 2494985.74 15 150 165 75 105 120 135 180 195 210 15 30 45 60 90 225 240 255 270 285 300 147 E 148 E 149 E 150 Ε Start Start Start Start 4/15 4/15 4/14 4/15 Finish Finish Finish 4/14 4/15 4/15 4/15 **MEC** MD \*\* Stake No Access/Safety Comments:

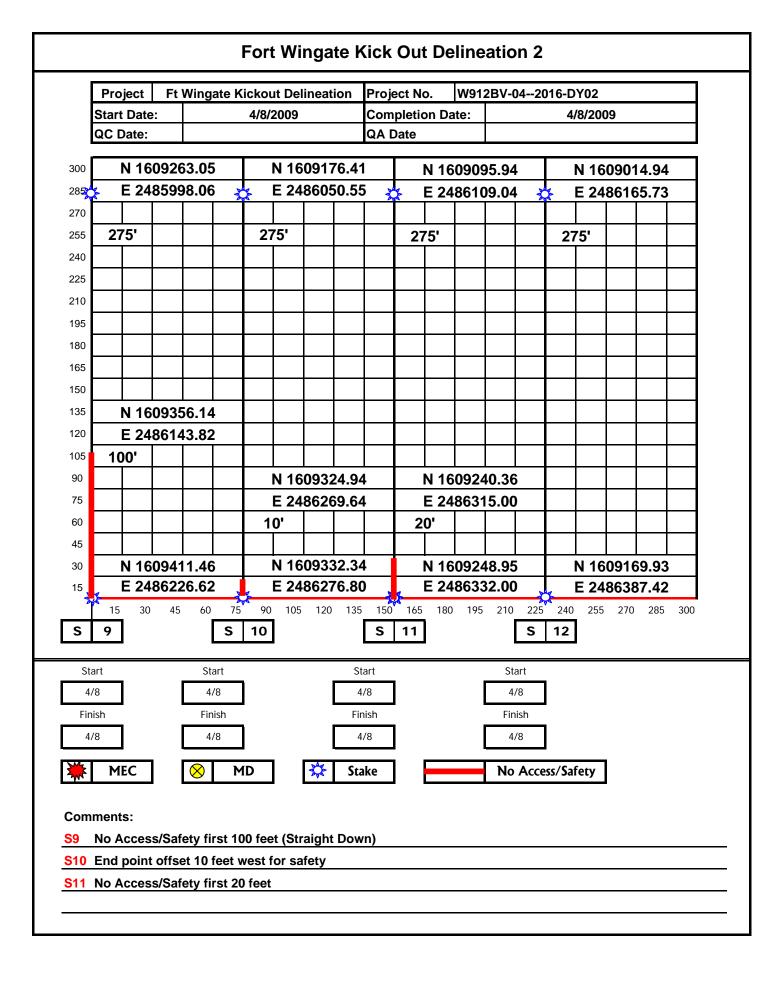
### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: Completion Date: 4/15/2009 4/15/2009 QC Date: QA Date N 1609872.00 N 1609774.17 300 285 E 2495244.30 E 2495224.74 270 275' 275' 255 240 225 210 195 180 165 150 135 N 1609888.89 120 E 2495068.88 105 100' 90 75 60 45 N 1609866.75 N 1609909.96 30 E 2494971.93 E 2494965.91 15 150 165 15 30 45 60 75 90 105 120 135 180 195 210 225 240 255 270 285 300 151 E 152 Ε Ε Ε Start Start Start Start 4/14 4/15 Finish Finish Finish 4/14 4/15 \* **MEC** MD Stake No Access/Safety Comments: Fragmentation





### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/8/2009 4/9/2009 QC Date: QA Date N 1608605.42 N 1608547.29 300 N 1608476.62 N 1608396.92 285 E 2486476.51 E 2486540.15 E 2486603.96 E 2486679.89 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1608728.27 N 1608794.94 N 1608658.44 N 1608591.12 30 E 2486681.66 E 2486747.33 E 2486804.96 E 2486869.69 15 75 105 120 135 150 165 180 195 210 15 30 45 60 90 225 240 255 270 285 300 S 17 S 18 S 19 S 20 Start Start Start Start 4/9 4/9 4/8 Finish Finish Finish Finish 4/8 4/8 4/9 4/9 **MEC** MD \*\* Stake No Access/Safety Comments:

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/8/2009 4/8/2009 QC Date: QA Date N 1608933.49 N 1608856.55 300 N 1608775.35 N 1608700.74 285 E 2486222.17 E 2486280.32 E 2486342.85 E 2486414.55 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 N 1609014.65 90 75 E 2486475.43 60 20' 45 N 1609095.31 N 1609021.10 N 1608738.67 N 1608872.40 30 E 2486443.07 E 2486496.53 E 2486547.64 E 2486615.76 15 150 165 15 30 60 75 105 120 135 180 195 210 225 240 255 45 90 270 285 300 S 13 S 14 S 15 S 16 Start Start Start Start 4/8 4/8 4/8 4/8 Finish Finish Finish Finish 4/8 4/8 4/8 4/8 **MEC** MD \*\* Stake No Access/Safety Comments: \$14 No Access/Safety first 20 feet Fragmentation



### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/9/2009 4/16/2009 QC Date: QA Date N 1608324.68 N 1608252.10 300 N 1608187.66 N 1608120.25 285 E 2486741.14 E 2486821.94 E 2486886.13 E 2486961.02 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1608514.12 N 1608455.03 N 1608392.06 N 1608325.44 30 E 2486869.90 E 2486928.04 E 2487067.24 E 2487143.24 15 75 105 120 135 150 165 180 195 210 225 240 15 30 45 60 90 255 270 285 300 S 21 S 22 S 23 S 24 Start Start Start Start 4/9 4/9 4/16 4/16 Finish Finish Finish Finish 4/16 4/16 4/9 4/9 **MEC** MD \*\* Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/9/2009 4/9/2009 QC Date: QA Date N 1607993.16 300 N 1607930.20 N 1607875.93 285 E 2487112.66 E 2487196.81 E 2487276.74 270 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 N 1608247.39 105 906 E 2487063.00 75 79' 60 45 N 1608186.72 N 1608263.98 N 1608142.44 N 1608085.86 30 E 2487211.43 E 2487284.26 E 2487357.42 E 2487434.95 15 90 150 165 225 240 15 30 45 60 75 105 120 135 180 195 210 255 270 285 300 S 25 S 26 S 27 S 28 Start Start Start Start 4/9 4/9 4/9 Finish Finish Finish Finish 4/9 4/9 4/9 4/9 **MEC** MD \*\* Stake No Access/Safety Comments: Fragmentation

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/9/2009 4/16/2009 QC Date: QA Date N 1607799.43 N 1607753.58 300 N 1607688.43 N 1607634.76 285 E 2487351.22 E 2487438.11 E 2487512.34 E 2487593.00 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1607973.46 N 1608025.01 N 1607915.91 N 1607866.12 30 E 2487511.41 E 2487595.51 E 2487666.04 E 2487742.50 15 75 105 120 135 150 165 180 195 210 225 240 15 30 45 60 90 255 270 285 300 S 29 S 30 S 31 S 32 Start Start Start Start 4/9 4/16 4/16 Finish Finish Finish Finish 4/9 4/9 4/16 4/16 **MEC** MD \*\* Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/13/2009 4/13/2009 QC Date: QA Date N 1607096.89 N 1607133.64 300 N 1607165.95 N 1607205.71 285 E 2492261.04 E 2492355.58 E 2492446.04 E 2492542.27 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1607384.92 N 1607353.73 N 1607417.11 N 1607453.85 30 E 2492166.84 E 2492257.14 E 2492338.26 E 2492432.01 15 75 105 120 135 150 165 180 195 210 225 240 15 30 45 60 90 255 270 285 300 S 81 S 82 S 83 S 84 Start Start Start Start 4/13 4/13 4/13 4/13 Finish Finish Finish Finish 4/13 4/13 4/13 4/13 **MEC** MD \*\* Stake No Access/Safety Comments:

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/13/2009 4/13/2009 QC Date: QA Date N 1607240.29 N 1607280.78 300 N 1607326.30 N 1607371.16 285 E 2492633.77 E 2492711.69 E 2492904.51 E 2492813.07 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1607534.66 N 1607499.78 N 1607574.24 N 1607609.91 30 E 2492528.79 E 2492605.79 E 2492693.90 E 2492774.68 15 75 120 135 150 165 180 195 210 15 30 45 60 90 105 225 240 255 270 285 300 S 85 S 86 S 87 S 88 Start Start Start Start 4/13 4/13 4/13 4/13 Finish Finish Finish Finish 4/13 4/13 4/13 4/13 **MEC** MD \*\* Stake No Access/Safety Comments:

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/13/2009 Completion Date: 4/13/2009 QC Date: QA Date N 1607419.09 N 1607461.58 300 N 1607519.75 N 1607598.62 285 E 2492993.26 E 2493082.65 E 2493165.09 E 2493288.19 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1607656.95 N 1607698.49 N 1607768.26 N 1607802.16 30 E 2492846.68 E 2492948.69 E 2493033.77 E 2493109.88 15 135 150 165 180 195 15 30 45 60 75 90 105 120 210 225 240 255 270 285 300 S 89 S 90 S 91 S 92 Start Start Start Start 4/13 4/13 4/13 4/13 Finish Finish Finish Finish 4/13 4/13 4/13 4/13 **MEC** MD \*\* Stake No Access/Safety Comments: **S91** Offset 13' East (Scrub Oak) Offset 50' East (Arch Site) **S92**

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/13/2009 4/13/2009 QC Date: QA Date N 1607621.25 N 1607679.30 300 N 1607740.64 N 1607794.16 285 E 2493334.17 E 2493416.88 E 2493511.07 E 2493581.99 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1607904.42 N 1607854.04 N 1607959.80 N 1608018.61 30 E 2493183.86 E 2493262.51 E 2493338.35 E 2493425.92 15 75 105 120 135 150 165 180 195 210 225 240 15 30 45 60 90 255 270 285 300 S 93 S 94 S 95 S 96 Start Start Start Start 4/13 4/13 4/13 4/13 Finish Finish Finish Finish 4/13 4/13 4/13 4/13 **MEC** MD \*\* Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/14/2009 QC Date: QA Date 300 N 1606786.37 N 1606784.50 285 E 2490560.53 E 2490608.71 275' 270 275' 275' 255 275' 240 225 210 195 180 165 150 135 120 105 N 1607004.05 90 75 E 2490553.25 50' 60 45 N 1607057.25 N 1607065.57 30 E 2490525.43 E 2490591.43 15 150 165 15 30 60 75 90 105 120 135 180 195 210 225 240 255 270 45 285 300 S 61 S 62 S 63 S 64 Start Start Start Start 4/14 4/14 Finish Finish Finish Finish 4/14 4/14 **MEC** MD \*\* Stake No Access/Safety Comments: Fragmentation No Access/Safety beyond 275 feet W63

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/14/2009 4/15/2009 QC Date: QA Date N 1606784.20 N 1606793.30 300 N 1606796.31 N 1606804.47 285 E 2490705.47 E 2490808.11 E 2490893.46 E 2490999.99 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1607061.51 N 1607060.26 N 1607070.71 N 1607064.76 30 E 2490666.42 E 2490785.07 E 2490873.95 E 2490942.88 15 75 120 135 150 165 180 195 210 15 30 45 60 90 105 225 240 255 270 285 300 S 65 S 66 S 67 S 68 Start Start Start Start 4/14 4/14 4/15 4/15 Finish Finish Finish Finish 4/14 4/14 4/15 4/15 **MEC** MD \*\* Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/15/2009 4/16/2009 QC Date: QA Date N 1608999.02 N 1609081.12 N 1609164.33 300 N 1609248.53 285 E 2494769.94 E 2494827.04 E 2494882.49 E 2494936.42 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1609316.13 N 1609156.04 N 1609238.13 N 1609395.03 30 E 2494544.17 E 2494601.27 E 2494653.18 E 2494703.69 15 75 180 195 210 225 240 105 120 135 150 165 255 270 285 15 30 45 60 90 300 S 113 S 114 S 115 S 116 Start Start Start Start 4/15 4/15 4/16 4/16 Finish Finish Finish Finish 4/16 4/16 4/15 4/15 **MEC** MD \*\* Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/15/2009 4/15/2009 QC Date: QA Date N 1609333.70 N 1609419.80 N 1609506.82 300 N 1609594.91 285 E 2494988.82 E 2495039.66 E 2495088.94 E 2495136.27 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1609637.14 N 1609474.82 N 1609555.48 N 1609725.07 30 E 2494752.79 E 2494800.46 E 2494846.78 E 2494894.02 15 75 90 180 195 210 225 240 105 120 135 150 165 255 270 285 15 30 45 60 300 S S 118 S 119 S 120 117 Start Start Start Start 4/15 4/15 4/15 4/15 Finish Finish Finish Finish 4/15 4/15 4/15 4/15 **MEC** MD \*\* Stake No Access/Safety Comments:

# Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 Project **Ft Wingate Kickout Delineation** Project No. Start Date: Completion Date: 4/15/2009 4/15/2009 QC Date: QA Date N 1609683.87 300 E 2495181.93 285 270 275' 255 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1609808.44 30 E 2494936.76 15 75 150 165 210 225 240 15 30 45 60 90 105 120 135 180 195 255 270 285 300 S 121 Start Start Start Start 4/15 Finish Finish Finish Finish 4/15 **MEC** MD Stake No Access/Safety Comments:

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/15/2009 4/15/2009 QC Date: QA Date N 1606815.34 N 1606830.92 300 N 1606844.79 N 1606859.41 285 E 2491099.26 E 2491192.93 E 2491294.86 E 2491393.43 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1607097.61 N 1607092.67 N 1607116.36 N 1607133.01 30 E 2491067.03 E 2491168.90 E 2491251.12 E 2491344.49 15 75 105 120 135 150 165 180 195 210 225 240 15 30 45 60 90 255 270 285 300 S 69 S 70 S 71 S **72** Start Start Start Start 4/15 4/15 4/15 4/15 Finish Finish Finish Finish 4/15 4/15 4/15 4/15 **MEC** MD \*\* Stake No Access/Safety Comments:

## Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/15/2009 4/15/2009 QC Date: QA Date N 1606879.64 300 N 1606920.25 N 1606948.76 285 E 2491499.75 **No Access** E 2491694.26 E 2491789.00 270 275' 255 275' 275' N 1606946.46 E 2491581.64 240 225 220' 210 195 180 165 150 135 120 105 90 75 60 45 N 1607164.23 N 1607148.24 N 1607190.34 N 1607212.05 30 E 2491438.42 E 2491545.50 E 2491621.85 E 2491722.91 15 120 135 150 165 180 195 210 225 240 15 30 45 60 75 90 105 255 270 285 300 S 73 S 74 S **75** S 76 Start Start Start Start 4/15 4/15 4/15 4/15 Finish Finish Finish Finish 4/15 4/15 4/15 4/15 **MEC** MD \*\* Stake No Access/Safety Comments:

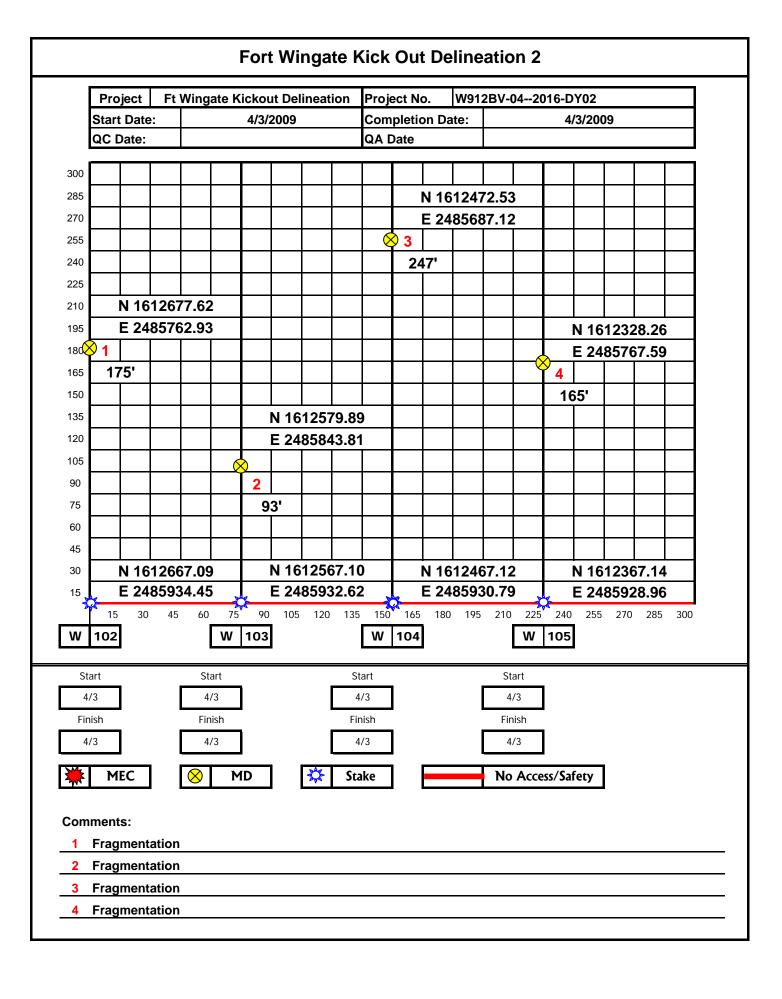
#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/15/2009 4/15/2009 QC Date: QA Date N 1606971.39 N 1606998.13 300 N 1607026.24 N 1607068.05 285 E 2491885.07 E 2491983.42 E 2492083.76 E 2492172.99 270 275' 255 275' 275' 275' 240 N 1607110.76 225 E 2492044.43 210 195 N 1607113.24 E 2491970.93 194' 180 165 150 160' 135 120 105 90 75 60 45 N 1607264.10 N 1607234.92 N 1607293.47 N 1607322.53 30 E 2491802.08 E 2491891.87 E 2491987.46 15 E 2492038.85 150 165 15 30 60 75 105 120 135 180 195 210 225 240 45 90 255 270 285 300 S S 78 S 79 S 80 **77** Start Start Start Start 4/15 4/15 4/15 4/15 Finish Finish Finish Finish 4/15 4/15 4/15 4/15 **MEC** MD \*\* Stake No Access/Safety Comments: Fragmentation

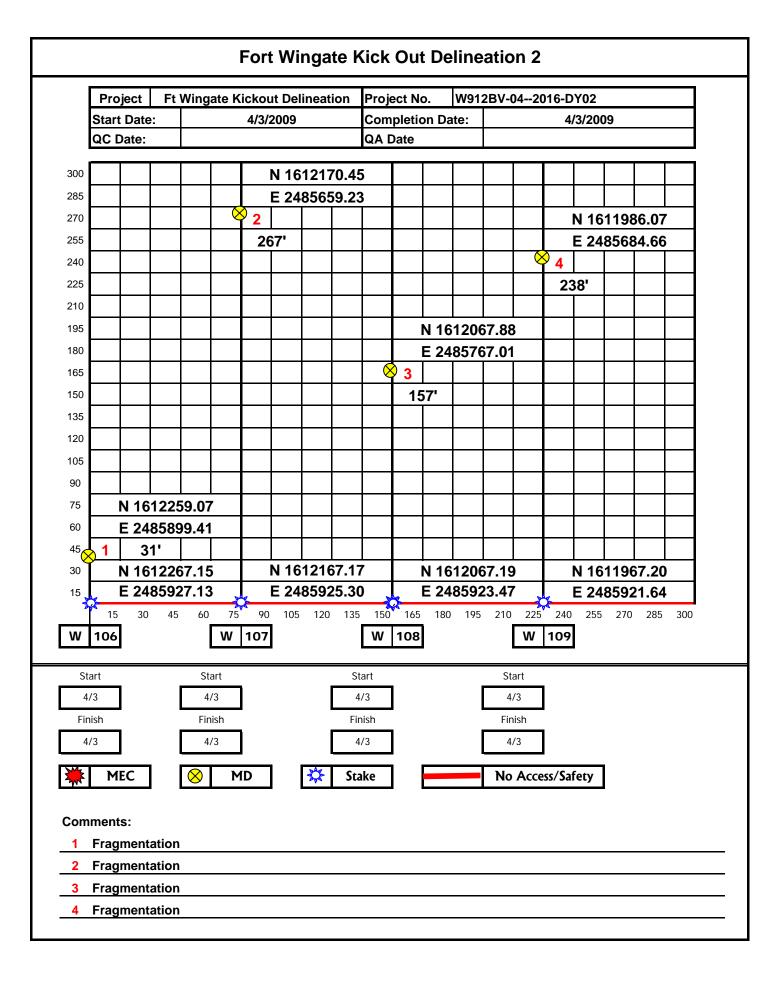
# Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 Project **Ft Wingate Kickout Delineation** Project No. Start Date: Completion Date: 4/16/2009 4/16/2009 QC Date: QA Date 300 N 1608313.43 285 E 2494188.57 270 255 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1608509.00 30 E 2493995.24 15 75 150 165 225 240 60 90 105 120 135 180 210 255 270 285 15 30 45 195 300 S S S S 104 Start Start Start Start 4/16 Finish Finish Finish Finish 4/16 **MEC** MD Stake No Access/Safety Comments:

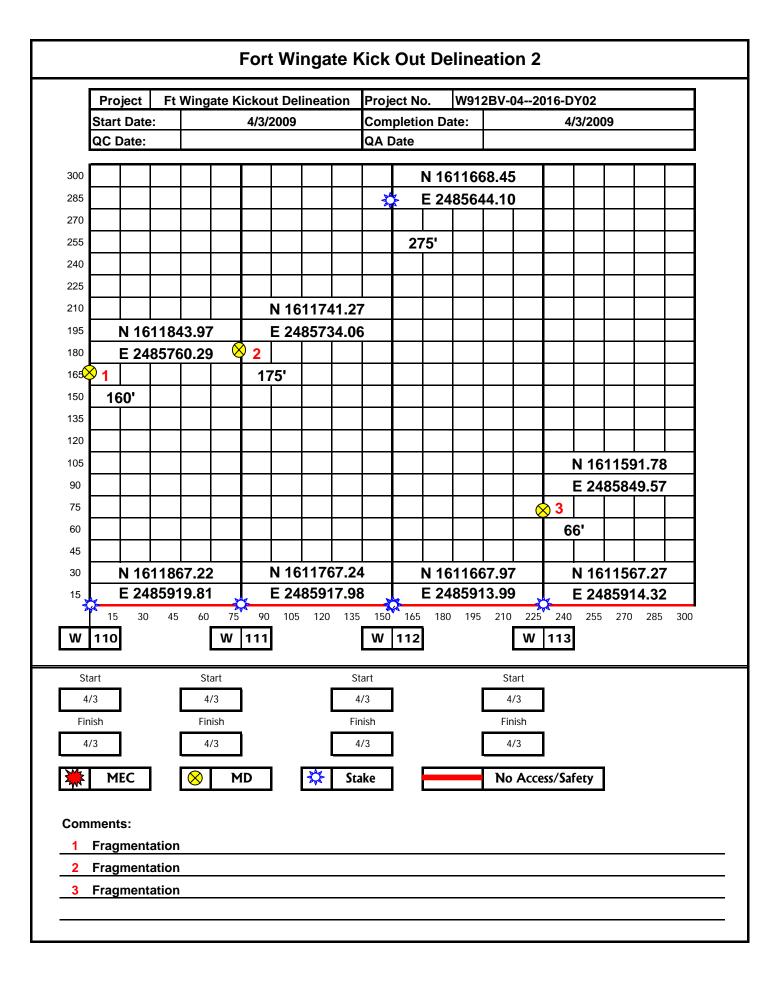
# Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/16/2009 4/16/2009 QC Date: QA Date N 1608384.61 N 1608457.05 N 1608530.72 300 N 1608605.75 285 E 2494258.81 E 2494327.74 E 2494395.35 E 2494461.47 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1608712.54 N 1608575.69 N 1608643.54 N 1608787.56 30 E 2494061.04 E 2494125.64 E 2494189.03 E 2494255.14 15 75 180 195 210 225 240 90 105 120 135 150 165 255 270 285 15 30 45 60 300 S 105 S 106 S 107 S 108 Start Start Start Start 4/16 4/16 4/16 4/16 Finish Finish Finish Finish 4/16 4/16 4/16 4/16 **MEC** MD \*\* Stake No Access/Safety Comments:

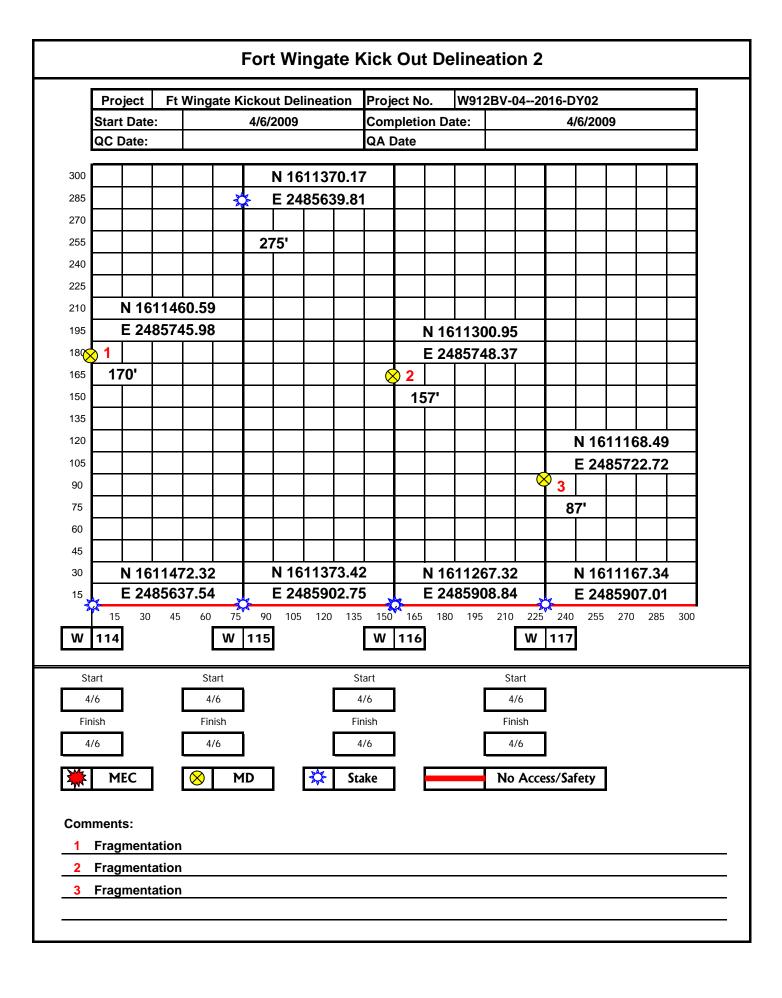
# Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/16/2009 4/16/2009 QC Date: QA Date N 1608682.14 N 1608759.69 N 1608838.37 300 N 1608918.15 285 E 2494525.99 E 2494589.12 E 2494650.84 E 2494711.12 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1609005.57 N 1608859.18 N 1608931.85 N 1609080.30 30 E 2494315.56 E 2494374.68 E 2494432.51 E 2494489.01 15 75 180 195 210 225 240 90 105 120 135 150 165 255 270 285 15 30 45 60 300 S 109 S 110 S 111 S 112 Start Start Start Start 4/16 4/16 4/16 4/16 Finish Finish Finish Finish 4/16 4/16 4/16 4/16 **MEC** MD \*\* Stake No Access/Safety Comments:

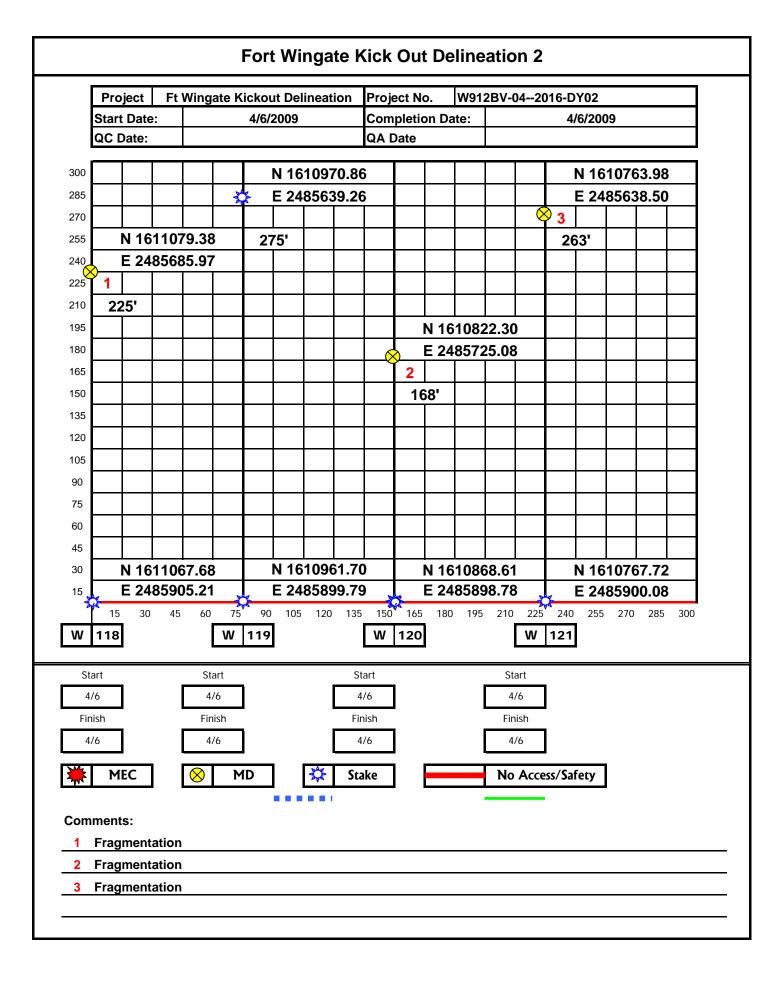
## Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/16/2009 QC Date: QA Date N 1607541.22 N 1607580.80 300 N 1607480.13 285 E 2487679.16 E 2487782.36 E 2487865.89 270 275' 275' 255 275' 240 225 210 N 1607567.08 195 E 2487883.00 180 186' 165 150 135 120 105 90 75 60 45 N 1607813.02 N 1607763.07 30 E 2487821.12 E 2487880.90 15 75 135 150 15 30 45 60 90 105 120 165 180 195 210 225 240 255 270 285 300 S 33 S 34 S 35 S 36 Start Start Start Start 4/16 4/16 4/16 4/16 Finish Finish Finish Finish 4/16 4/16 4/16 4/16 **MEC** MD Stake No Access/Safety No Access/Safety No Access/Cultural **Boundary Line** Comments: No Access/Safety first 186' from red line **W35**





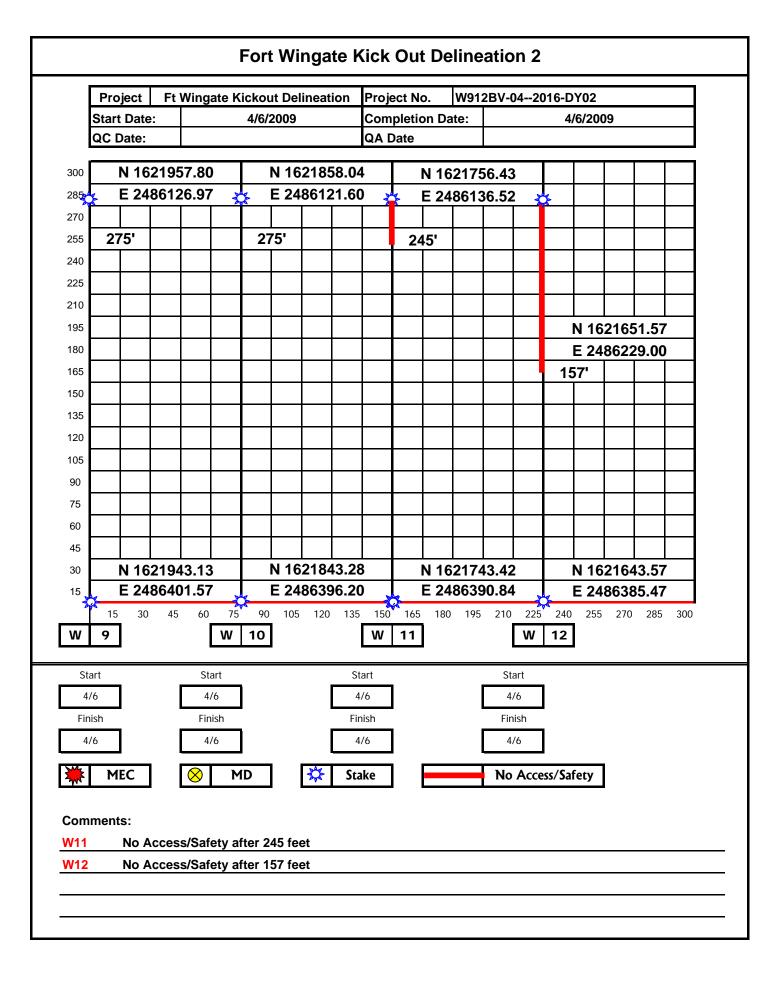






# Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/6/2009 4/6/2009 QC Date: QA Date N 1622756.11 N 1622656.88 300 N 1622557.03 285 E 2486175.16 E 2486164.53 E 2486159.17 270 275' 275' 255 275' 240 N 1622457.17 E 2486153.50 225 210 195 209' 180 165 150 135 120 105 90 75 60 45 N 1622642.12 N 1622688.53 N 1622542.27 N 1622445.38 30 E 2486441.63 E 2486439.14 E 2486433.77 E 2486362.98 15 150 165 15 30 45 60 75 105 120 135 180 195 210 225 240 255 270 90 285 300 W 1 W 2 W 3 W 4 Start Start Start Start 4/6 Finish Finish Finish Finish 4/6 4/6 4/6 4/6 **MEC** MD \*\* Stake No Access/Safety Comments: Fragmentation

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/6/2009 4/6/2009 QC Date: **QA Date** N 1622357.32 N 1622279.26 300 N 1622157.62 N 1622052.39 285 E 2486148.43 E 2485797.89 E 2486127.70 E 2486107.27 270 305' 610' 275' 255 N 1622260.00 275' 240 E 2486078.95 2 N 1622051.69 225 E 2486208.56 335' 210 195 N 1622257.46 E 2486164.40 198' 180 165 150 255' 135 120 105 90 75 60 45 N 2486414.56 N 1622342.56 N 1622144.51 N 1622045.05 30 E 2486423.09 E 1622244.76 E 2486404.77 15 E 2486403.83 150 165 30 60 75 105 120 135 180 195 210 225 15 45 90 240 255 270 285 300 W 5 W W 7 W 8 6 Start Start Start Start 4/6 4/6 4/6 Finish Finish Finish Finish 4/6 4/6 4/6 4/6 **MEC** MD \*\* Stake No Access/Safety Comments: 1 Fragmentation Fragmentation W8 No Access/Safety after 305 feet



## Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/6/2009 Completion Date: 4/7/2009 QC Date: QA Date N 1610571.84 N 1610670.41 300 N 1610484.19 N 1610362.96 E 2485626.11 E 2485626.66 285 E 2485628.17 E 2485629.60 270 275' 275' 255 275' 275' 240 225 210 195 N 1610381.97 E 2485743.96 180 165 150 155' 135 120 105 90 75 60 45 N 1610563.73 N 1610666.38 N 1610467.25 N 1610367.78 30 E 2485895.42 E 2485894.06 E 2485892.89 E 2485893.23 15 150 165 15 30 60 75 90 105 120 135 180 195 210 225 240 255 270 45 285 300 W W 123 W 124 W 125 122 Start Start Start Start 4/6 4/7 Finish Finish Finish Finish 4/6 4/6 4/6 4/7 **MEC** MD \*\* Stake No Access/Safety Comments: 1 Fragmentation No Access/Safety after 275 feet W125

# Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/7/2009 4/7/2009 QC Date: QA Date N 1610174.27 300 N 1610070.74 285 E 2485622.26 E 2485616.34 N 1610297.98 270 E 2485664.11 275' 255 275' 240 228' 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1610166.78 N 1610264.84 N 1610056.73 30 E 2485888.89 E 2485887.27 E 2485883.72 15 150 165 75 105 120 135 180 195 210 225 15 30 45 60 90 240 255 270 285 300 W 126 W 127 W 128 Start Start Start Start 4/7 4/7 4/7 Finish Finish Finish Finish 4/7 4/7 4/7 MEC MD Stake No Access/Safety Comments: No Access/Safety after 228 feet W126

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/7/2009 4/7/2009 QC Date: QA Date N 1621556.00 300 N 1621457.55 N 1621356.43 285 E 2486093.00 E 2486096.05 E 2486096.05 280' 270 277' 253' 255 275' 240 225 210 195 180 N 1621453.56 E 2486225.30 165 150 N1621550.64 2 E 2486264.80 150' 135 120 115' N 1621246.43 105 90 E 2486245.83 75 3 78' 60 45 N 1621443.56 N 1621543.71 N 1621344.00 N 1621244.14 30 E 2486380.10 E 2486374.74 E 2486369.37 15 E 2486364.00 150 165 30 60 75 105 120 135 180 195 210 225 15 45 90 240 255 270 285 300 W 13 W 14 W 15 W 16 Start Start Start Start 4/7 4/7 4/7 4/7 Finish Finish Finish Finish 4/7 4/7 4/7 4/7 **MEC** MD \*\* Stake No Access/Safety Comments: W13 No Access/Safety after 280 feet No Access/Safety after 277 feet W14 W16 No Access/Safety after 253 feet (Unable to get Lat/Long, no satellite connection) 1,2,3 Fragmentation

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/7/2009 4/8/2009 QC Date: QA Date N 1621157.02 300 N 1621057.95 N 1620960.72 N 1620859.48 285 E 2486120.53 E 2486107.81 E 2486105.26 E 2486067.93 238' 270 246' 242' 255 240 N 1621152.29 225 E 2486173.78 210 195 N 1620956.71 185' E 2486195.40 180 3 165 150 153' 135 120 N 1620952.35 E 2486261.48 105 90 75 87' 60 45 N 1621044.43 N 1621144.29 N 1620944.58 N 1620844.72 30 E 2486358.64 E 2486353.27 E 2486347.90 E 2486342.54 15 150 165 15 30 60 75 105 120 135 180 195 210 45 90 225 240 255 270 285 300 W 17 W 18 W 19 W 20 Start Start Start Start 4/7 4/7 4/7 4/8 Finish Finish Finish Finish 4/7 4/7 4/7 4/8 **MEC** MD \*\* Stake No Access/Safety Comments: W17 No Access/Safety after 238 feet 1,2,3 Fragmentation No Access/Safety after 246 feet W18 W19 No Access/Safety after 242 feet **W20** No Access/Safety

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/8/2009 Completion Date: 4/8/2009 QC Date: QA Date N 1620757.82 300 N 1620559.91 N 1620460.05 285 E 2486093.58 N 1620658.97 E 2486051.85 E 2486046.50 243' E 2486097.99 270 255 234' 275' 275' N 1620752.33 240 E 2486130.66 225 N 1620645.94 E 2486147.07 210 206' 2 195 180 184' 165 150 135 120 105 90 75 60 45 N 1620645.01 N 1620744.86 N 1620545.20 N 1620445.35 30 E 2486337.17 E 2486331.80 E 2486326.45 15 E 2486321.11 150 165 15 30 60 75 90 105 120 135 180 195 210 225 240 255 45 270 285 300 W 21 W 22 W 23 W 24 Start Start Start Start 4/8 4/8 4/8 4/8 Finish Finish Finish Finish 4/8 4/8 4/8 4/8 **MEC** MD \*\* Stake No Access/Safety Comments: **W21** No Access/Safety after 243 feet **W22** No Access/Safety after 234 feet 1 Fragmentation 2 Fragmentation

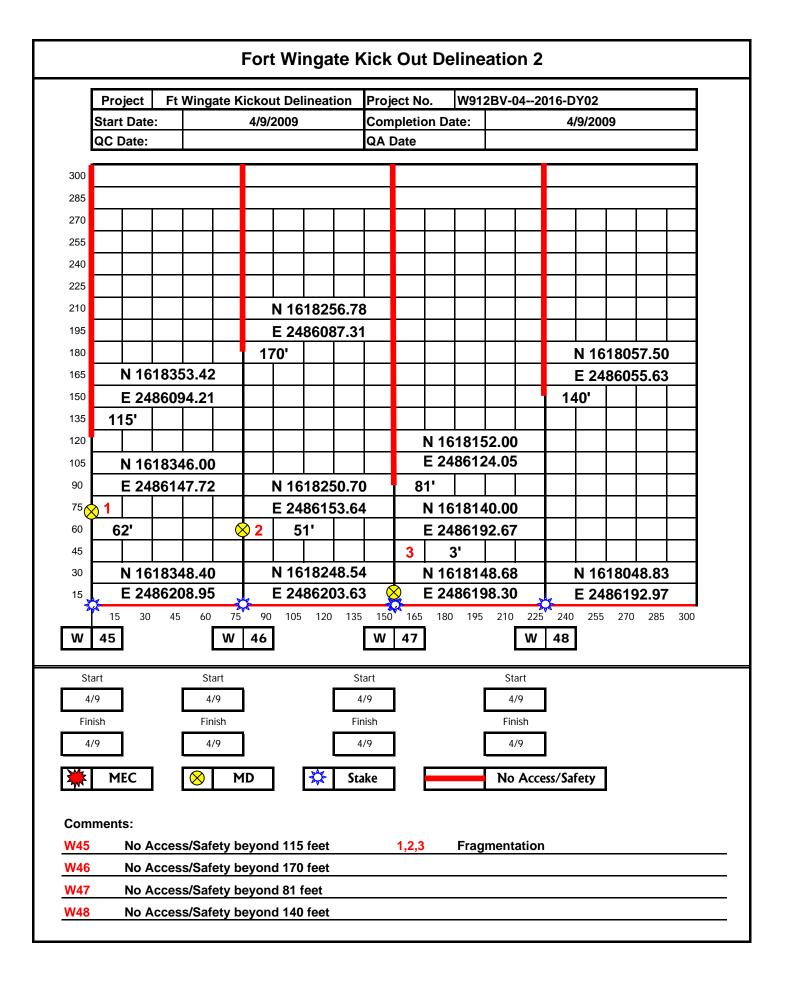
#### Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 **Project Ft Wingate Kickout Delineation** Project No. Start Date: 4/8/2009 **Completion Date:** 4/8/2009 QC Date: **QA Date** N 1620359.15 300 N 1620262.41 N 1620162.44 N 1620059.06 285 E 2486033.73 E 2486061.09 E 2486059.99 E 2486064.62 294' 245' 270 249' 235' 255 N 1620055.32 N 1620254.36 240 E 2486085.05 E 2486073.05 2 225 226' 224' 210 195 N 1620156.74 E 2486145.32 180 3 165 150 160' 135 120 105 N 1620347.55 90 E 2486250.50 75(🚫 67' 60 45 N 1620245.63 N 1620345.49 N 1620145.78 N 1620045.92 30 E 2486315.76 E 2486310.41 E 2486305.06 15 E 2486299.72 150 165 75 105 120 135 180 195 210 15 30 45 60 90 225 240 255 270 285 300 W 25 W 26 W 27 W 28 Start Start Start Start 4/8 4/8 4/8 4/8 Finish Finish Finish Finish 4/8 4/8 4/8 4/8 **MEC** MD \*\* Stake No Access/Safety Comments: **W25** No Access/Safety after 294 feet 1,2,3,4 Fragmentation No Access/Safety after 249 feet **W26 W27** No Access/Safety after 245 feet **W28** No Access/Safety after 235 feet

#### Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 **Ft Wingate Kickout Delineation Project** Project No. **Completion Date:** Start Date: 4/8/2009 4/8/2009 QC Date: **QA Date** 300 N 1619850.56 N 1619760.58 N 1619664.28 E 2486017.99 285 E 2486000.58 N 1619960.10 285' 3 270 275' 353' 255 E 2486056.69 273' 240 240' 2 237' N 1619664.27 E 2486011.74 225 N 1619756.89 E 2486045.65 210 195 180 165 150 135 N 1619950.29 E 2486188.46 120 105 90 105' 75 60 45 N 1619946.06 N 1619846.21 N 1619746.35 N 1619646.49 30 E 2486294.37 E 2486289.02 E 2486283.68 15 E 2486278.33 150 165 30 60 75 105 120 135 180 195 210 225 240 15 45 90 255 270 285 300 W 29 W 30 W 31 W 32 Start Start Start Start 4/8 4/8 4/8 4/8 Finish Finish Finish Finish 4/8 4/8 4/8 4/8 **MEC** MD \*\* Stake No Access/Safety Comments: **W29** No Access/Safety after 240 feet No Access/Safety after 285 feet **W31 W32** No Access/Safety after 353 feet 1,2,3 Fragmentation

#### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. **Completion Date:** Start Date: 4/9/2009 4/9/2009 QC Date: QA Date 300 N 1619561.34 N 1619643.50 N 1619361.63 N 1619267.64 E 2485970.83 285 E 2485998.38 E 2485987.68 E 2485932.52 270 297' 325' 255 275' 275' N 1619258.52 E 2486029.99 240 225 227' 210 195 180 N 1619454.27 165 150 E 2486136.88 135 1 131' 120 105 90 75 60 45 N 1619546.64 N 1619446.78 N 1619346.92 N 1619247.06 30 E 2486272.98 E 2486267.64 E 2486262.29 15 E 2486256.94 150 165 15 30 45 60 75 90 105 120 135 180 195 210 225 240 255 270 285 300 W 33 W 34 W 35 W 36 Start Start Start Start 4/9 4/9 4/9 4/9 Finish Finish Finish Finish 4/9 4/9 4/9 4/9 **MEC** MD \*\* Stake No Access/Safety Comments: **W34** No Access/Safety beyond 297 feet **W36** No Access/Safety beyond 325 feet 1,2 Fragmentation

### Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Start Date: 4/9/2009 Completion Date: 4/9/2009 QC Date: QA Date 300 N 1619161.91 N 1618862.34 E 2485976.99 285 E 2485960.98 270 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 N 1619050.47 N 1618949.11 E 2486236.55 E 2486220.93 60 45 6' 2 20' N 1619143.73 N 1619049.41 N 1618949.61 N 1618847.69 30 E 2486246.59 E 2486243.14 E 2486237.82 E 2486235.59 15 150 165 225 240 15 30 45 60 75 105 120 135 180 195 210 255 270 90 285 300 W 37 W 38 W 39 W 40 Start Start Start Start 4/9 4/9 4/9 4/9 Finish Finish Finish Finish 4/9 4/9 4/9 4/9 **MEC** MD \*\* Stake No Access/Safety Comments: Fragmentation

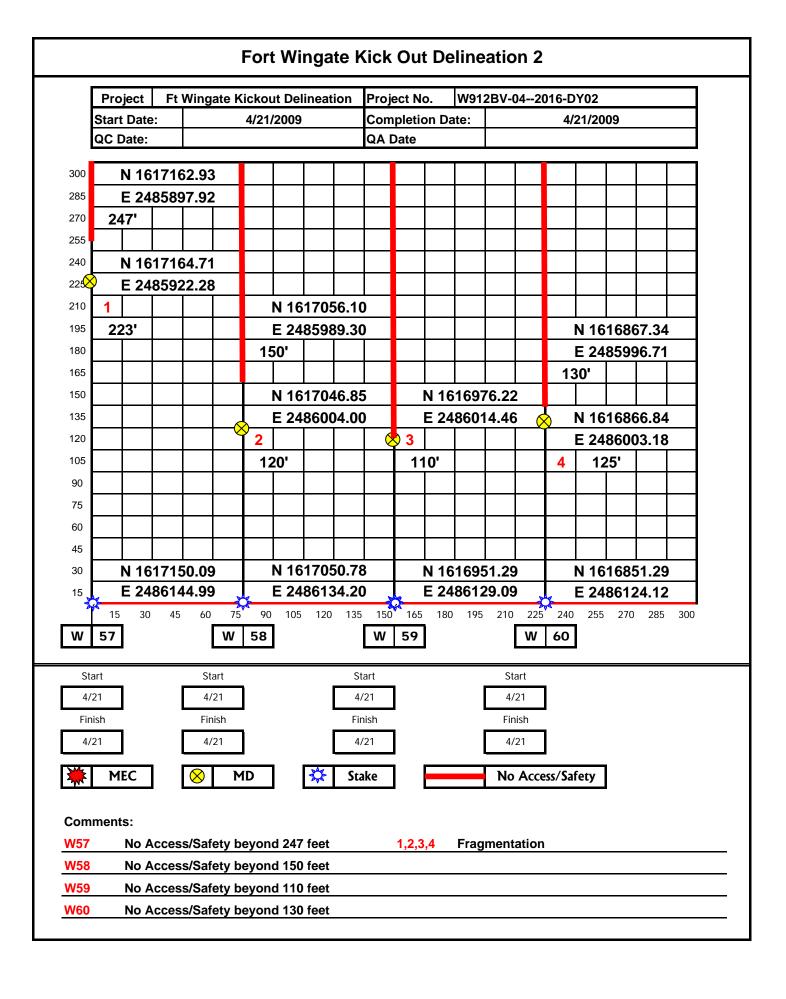
# Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 **Ft Wingate Kickout Delineation** Project Project No. Start Date: Completion Date: 4/9/2009 QC Date: QA Date 300 285 270 255 240 225 210 195 180 165 150 135 120 105 N 1618753.32 90 E 2486166.78 75 60 63' 45 N 1618747.83 30 E 2486230.26 15 150 165 15 30 45 60 75 90 105 120 135 180 195 210 225 240 255 270 285 300 W 41 W 42 W 43 W 44 Start Start Start Start 4/9 Finish Finish Finish Finish 4/9 \* **MEC** MD Stake No Access/Safety Comments: Fragmentation



#### Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 **Project Ft Wingate Kickout Delineation** Project No. Start Date: 4/9/2009 **Completion Date:** 4/20/2009 QC Date: **QA Date** 300 N 1617862.10 N 1617763.49 N 1617671.01 285 E 2485913.49 E 2485901.72 E 2485864.83 270 269' 291' 317' 255 5 270' N 1617667.40 240 N 1617760.25 N 1617959.58 225 E 2485950.70 E 2485904.21 E 2486012.96 225' 210 N 1617856.69 195 174' E 2486011.62 180 3 170' N 1617952.73 165 15QX E 2486064.84 144' 135 120 105 90 75 N 1617852.94 E 2486171.44 60 45 2 15' N 1617948.96 N 1617849.10 N 1617749.24 N 1617649.38 30 E 2486187.64 E 2486182.31 E 2486176.98 15 E 2486171.65 150 165 120 135 195 210 15 30 45 60 75 90 105 180 225 240 255 270 285 300 W 49 W 50 W 51 W **52** Start Start Start Start 4/9 4/20 4/20 4/20 Finish Finish Finish Finish 4/9 4/20 4/20 4/20 **MEC** MD \*\* No Access/Safety Stake Comments: W49 No Access/Safety beyond 174 feet 1,2,3,4,5 Fragmentation No Access/Safety beyond 269 feet **W50 W51** No Access/Safety beyond 291 feet W52 No Access/Safety beyond 317 feet

# Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/20/2009 4/20/2009 QC Date: QA Date 300 N 1616766.22 N 1616668.54 285 E 2485897.58 E 2485840.20 270 2 255 272' 265' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1616652.86 N 1616752.72 30 E 2486120.56 E 2486115.23 15 150 165 225 15 30 45 60 75 90 105 120 135 180 195 210 240 255 270 285 300 W 61 W 62 Start Start Start Start 4/20 4/20 Finish Finish Finish Finish 4/20 4/20 MEC MD \*\* Stake No Access/Safety Comments: No Access/Safety beyond 272 feet W61 W62 No Access/Safety beyond 265 feet Fragmentation 1,2

#### Fort Wingate Kick Out Delineation 2 W912BV-04--2016-DY02 **Project Ft Wingate Kickout Delineation** Project No. Start Date: 4/20/2009 **Completion Date:** 4/21/2009 QC Date: **QA Date** 300 N 1617561.84 N 1617462.67 N 1617360.83 N 1617261.45 285 E 2485905.73 E 2485884.86 E 2485905.73 E 2485913.14 270 270' 280' 250' 255 N 1617560.57 2 260' 238' 240 E 2485934.40 N 1617462.68 225 230' E 2485898.64 N 1617357.03 N 1617259.81 E 2485959.47 E 2485958.61 210 195 191' 180 196' 165 150 135 120 105 90 75 60 45 N 1617549.53 N 1617449.67 N 1617349.81 N 1617249.95 30 E 2486166.32 E 2486160.99 E 2486155.65 15 E 2486150.32 150 165 75 120 135 180 195 210 15 30 45 60 90 105 225 240 255 270 285 300 W **53** W 54 W 55 W 56 Start Start Start Start 4/20 4/21 4/21 4/21 Finish Finish Finish Finish 4/21 4/21 4/21 4/20 **MEC** MD \*\* Stake No Access/Safety Comments: **W53** No Access/Safety beyond 270 feet 1,2,3,4 Fragmentation No Access/Safety beyond 280 feet **W54 W55** No Access/Safety beyond 250 feet **W56** No Access/Safety beyond 238 feet



# Fort Wingate Kick Out Delineation 2 **Ft Wingate Kickout Delineation** W912BV-04--2016-DY02 **Project** Project No. Completion Date: Start Date: 4/20/2009 4/20/2009 QC Date: QA Date N 1618975.96 N 1618709.86 300 N 1618433.85 N 1618708.71 285 E 2485137.92 E 2485379.11 E 2485133.03 E 2484860.17 270 275' 275' 255 275' 275' 240 225 210 195 180 165 150 135 120 105 90 75 60 45 N 1618710.05 N 1618710.05 N 1618710.05 N 1618710.05 30 E 2485136.23 E 2485136.23 E 2485136.23 E 2485136.23 15 75 150 165 180 195 210 225 240 60 105 120 135 255 270 285 15 30 45 90 300 Well Ν Well Ε Well S Well W Start Start Start Start 4/20 4/20 4/20 4/20 Finish Finish Finish Finish 4/20 4/20 4/20 4/20 **MEC** MD \*\* Stake No Access/Safety Comments:



# APPENDIX C LIST OF TRANSECTS NOT INVESTIGATED

Appendix C - List of Transects not Investigated

Complete No-Access Transects/Baselines								
NORTH		SOUTH		EAST		WEST		
Transect	Base Line	Transect	Base Line	Transect	Baseline	Transect	Base line	
7		36				20		
8	8	37						
9	9	38						
10	10	39						
11	11	40						
12	12	41						
	13	42						
15		43						
	16	44						
		45						
		46						
		47						
		48						
		49						
		50						
		51						
		52						
		53						
		54						
		55						
	17	56						
		57						
		58						
		59						
		60						
		61						
		62						

Partial No-Access Transects/Baselines									
NORTH		SOUTH		EAST		WEST			
Transect	Base Line	Transect	Base Line	Transect	Baseline	Transect	Base line		
13		2				8			
17		3				11			
57		4				12			
		5				13			
		6				14			
		7				16			
		8				17			
		9				18			
		10				19			
		11				21			
		14				22			
		35				25			
		63				26			
		74				27			
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						61			
						62			
						126			

# U.S. ARMY CORPS OF ENGINEERS, ALBUQUERQUE DISTRICT ORDNANCE AND EXPLOSIVE SECTION **MEMO** To: MKM/PIKA Date: 05/02/09 Time: 1030 **Contract Number: W912BV-04-D-5 2016 Project Location: Fort Wingate Depot Activity** Task Order: DY02 **Subject Item(s):** (Check all that apply): □ Work Plan **□** Quality Control **X** Other ☐ Safety Violation **□ Safety Comments** Description: The following transects were deemed too steep and unsafe to investigate: N7,N8, N9,N10,N11, N12,N15,S35,S36,S37,S38,S39,S40,S41,S42,S43.S44,S45,S46,S47,S48,S49,S50,S51,S52,S53,S54,S55,S56,S57, S58, S59, S60, S61, S62 and W20. The following baselines were deemed too steep and unsafe to investigate: N8, N9, N10, N11, N12, N13, and N16.-----NOTHING FOLLOWS Prompt correction or compliance with contract specifications is requested. NO **ACTION TAKEN:** RECEIPT ACKNOWLEDGED: David Holla Oy David L. Holladay **CESWF OE Site Representative** Contractor's Representative



# APPENDIX D EXPLOSIVES ACCOUNTABILITY DOCUMENTATION

PYPIRES 11/1/08

UNIFORM BILL OF LADING (Not Negotiable)

# COONIE'S EXPLOSIVES, INC.

P.O. BOX 2062 - 512 E. LEA HOBBS, NEW MEXICO 88240

PHONE: 505 393-0166 or 393-4007 or 1-800-713-6321

**EMERGENCY CONTACT** NUMBER: 1-800-255-3924

,028

			FA	X 505-393-6060					
S	KA IN	ternational	111-		DATE	CUSTO	MER P.O.		
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No. pkg.	Quantity	Description, Bran		Date	Code	Price	I.D.	Price Ext.	
Bgs.	lbs	Blasting Agent 50 lb. Bags Ammonuium Nitrate – W/Fu	el Oil (ANFO)						
		0.10							
Cs	ft.	Cord, Dentonating, 1.4D, UI PGII, Explosive 1.4D, Ex #9	N0289, 9202035	1 +50					
				Ship 10.	-				
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	(100M Rolls)	Fuse, Igniter, 1.4G, UN0103		Ent	E GALLA	11900	101-PRIG	1	
	Holis)	ran, explosive 1.4G (Mantilo	or) EX #8409080	E + 1	T SAIIUP	-1151	ZRIC KT	,66	
		Fuse, Safety, 1.4S, UN0105		TORT W	INGATE 1	Ve/Mes	7316		
Cs	ft.	PGII, Explosive 1.4S, Ex #920	01092	A., ~					
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Bx.		Detonators, Non Electric, For Blasting Explosive 1.4 B, Ex #8511062 (Mante	j, 1.4B, UN0267, PGII espo#8 Fuse Caps)		/	il-			
2BX.	80 on	14-DAVEY Det	s- ELANT	Ric-Blas	ting CAPS	7100	each.	800.	
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M.S.D.S Enc					Consignee X				
ICES PAYABLE		NIE'S EXPLOSIVES, INC. Box 2062		1	200				
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6-25-08

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1029

CORREROT 5

00.00 TOTAL CHARGES Page 1 of 1 fedex.com 1.866.393.4585 P.O. BOX 649002 SAN JOSE, CA 95164 RATE PCF CLASS 085 Bill of Lading Number 1303128 Shipper OLL TOOL 1000 1000 GODLEY TX 76044-3141 US DATE: 06/23/2008 LONG-HAUL RELIABILITY NMFC P.O. Number 20 31 51 WGT(LBS) THANK 30 Shipment received in apparent good order with wrap intact unless otherwise noted. 15878 Trailer # 2300216 1-817-396-4570 :SHIP PHONE #
CTN, CHARGES, SHAPED, COMMERCIAL
1.45, UN0441, PGII
CHARGES
PALLET WEIGHT
EMERGENCY CONTACT:
800 424 930 0424 930
HAZARDOUS MATERIAL CHARGE
FUEL SURCHG LIL SHPI23.50% OS&D #: Depart: Freight Bill Number: 379953294 R0 TNBR Number: PREPAID - WILL INVOICE 1 1 PREPAID - WILL INVOIC

\*ANY ADDITIONAL SERVICES MAY RESULT IN ADDITIONAL CHARGES\*

\*CHARGES SUBJECT TO CHANGE\* DESCRIPTION Consignee PIKA INTERNATIONAL FORT WINGATE ARMY DEPOT HISTOCIRC RI 66 BLDG I FORT WINGATE US # of Pcs: Exceptions Arrive: Received by: H HÆ PIECES

### 1029

### WESTERN EXPLOSIVES SYSTEMS COMPANY

FOR CHEMICAL EMERGENCY Spill, Leak, Fire, Exposure or Accident CALL CHEMTREC 900-424-9300

6875 SOUTH 900 EAST MIDVALE, UTAH 84047 (801) 484-6557 (801) 884-6871



A Dyno Nobel Distributor

DATE

10.36930

1 Clarkdale BAT	F9-AZ-019-20-7D-11321	1 Ft Wind	gate BATF 5-NI	VI-nne	£20_6∆_120	163		WESC	0	60000
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Explosive, blasting	, type A	1.1D	UN 0081	11	INO. PAGO	FONTENT	NO. PKGS.	CONTENT	PKGS.	DOT-E
Boosters		1.1D	UN 0042	11	7				-	
Explosive, blasting	, type E	1.1D	UN 0241	11					-	-
Cord, detonating		1.1D	UN 0065	11	1					1
Detonators, electric	C	1.1B	UN 0030	11						
Detonators, non-ele		1.1B	UN 0029	11						
Detonatorassembl	lies, non-electric	1.1B	UN 0360	11					1	
Detonators, electric		1.4B	UN 0255	11						
Detonatorassembl		1.4B	UN 0361	11						1
Articles, explosives		1.48	UN 0349	11						
Explosives, blasting	TO POSSESSES	1.5D	UN 0331	11						
xplosives, blasting		1.5D	UN 0332	11						
mmonium nitrate-		1.5D	NA0331	11						
	O.S. (Ammonium nitrate)	5.1	UN 3139	111						
Diesel Fuel		3	UN 1202	111						
Ammonium nitrate		5.1	UN 1942	111						
annicable segulation	the above named materials are protof the department of transportation	perly classified, desc	cribed, packaged	d, mar	ked and lab	eled and are in prop	er condition	for transportation	n according	to the
SHIPPER'S SIGNA	Tune VIII 1	11/2				This ship	oment is with	in limitations pre	escribed for	cargo aircraft.
		by the use of the m	-1-2-1	E. M.						
laws regulating the	isk and liability for results obtained use and/or possession of the mater	ial covered by this	aterial covered	by thi	s order. Buy	/er acknowledges	hat there ma	y be federal, ar	nd/or state	
WESCO CODE	COMPANY PRODUCT P	Econumical Institution			HOWARD BOOK BOOK		STREET, STREET	LICENAL STREET		
WEGGG GGDE	COMPANY PRODUCT D	THE RESERVE OF THE PARTY OF THE	CODE	-		QTY SHIPPED	QTYR	ETURNED	(	OTY SOLD
	Austra Black Chy 1	10051213	094-		_	50				50
	PRIMACINE 21 100	95/54	165EC	24		1606'				1600'
										1
The state of the s										
			-							
200000000000000000000000000000000000000										
					_					
Mileag	ge 50 MENRY.		Standby							
We certify that the ab	pove articles were received in good	condition. I will hee	d the IME recor	nmer	dations and	d warnings on the u	se and handl	ing of explosive	es.	

COSIGNEE-RECEIVER

COPY INBOUND Shipment to FT WHEATE 7-1-08

RECEIVED BY S. HUTIZDE & B. THEDFORD

QUANTITY IS CORRECT



Date:

7/3/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	80	80	0	0	80
Inventories This Month:  Date Pe	ersonnel				
Date					ļ

Invent	ories This Month:		
Date		Personnel	
07/03/08	Scott Wardell	Jo	ohn Clifford
			_



Date:

7/11/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Detoriators, Electric, Norr-delay	0	80	U	0	80

Invent	ories This Month:		
Date		Personnel	
07/03/08	Dewey Thedford	Scott Wardell	
07/11/08	Scott Wardell	John Clifford	



Date:

7/17/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Detoriators, Electric, Norr-delay	0	00	0	0	80

Date		Personnel
07/09/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford



Date:

7/24/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Detoriators, Electric, Norr-delay	0	00	0	0	80

Invent	tories This Month:	
Date		Personnel
07/09/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE



Date:

7/31/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Detoriators, Electric, Non-delay	0	00		0	80

Invent	tories This Month:	
Date		Personnel
07/09/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE
07/31/08	John Reott	Cameron Wenzel



Date:

8/7/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
5		-			0.5
Detonators, Electric, Non-delay	0	80	0	0	80
Inventories This Month:					

Inven	tories This Month:		
Date			
08/07/08	Dewey Thedford	John Reott	



### **Fort Wingate**

### Weekly Explosive Inventory Magazine B-1028

Date:

8/14/2008

	.magaz	1020	magazine B 1020				
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand		
Detonators, Electric, Non-delay	0	80	0	0	80		
Inventories This Month:							
	= ersonnel						
08/07/08 Dewey Thedford	John Reott						
08/14/08 Dewey Thedford	John Reott						
			•				
Caffred Segrand	_						
Dewey Thedford							

Site Manager, FWADA



Date:

8/21/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Detoriators, Electric, Norr-delay	0	00	0	0	80

ate		Personnel
07/08	Dewey Thedford	John Reott
14/08	Dewey Thedford	John Reott
21/08	Dewey Thedford	John Reott



Date:

8/28/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Detoriators, Electric, Non-delay	0	00		0	80

Invent	tories This Month:		
Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	
08/28/08	Dewey Thedford	John Reott	

Dewey Thedford

Site Manager, FWADA



Date:

9/5/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
Inventories This Month:					

Inven	tories This Month:				
Date	Personnel				
09/05/08	Dewey Thedford	John Reott			



Date:

9/11/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80

Invent	tories This Month:		
Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	



Date: 9/18/2008

magazine B 1020					
Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand	
0	80	0	0	80	
	Received This	Received This Received to Date	Received This Received to Week Date Week	Received This Week Received to Date Week Used to Date	

### Inventories This Month:

Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	
09/18/08	Dewey Thedford	John Reott	



Date:

9/25/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonators, Electric, Non-delay	0	80	0	0	80
, ,					
					0
					U
Items shipp	ed to Camp Bo	onneville by R	&R Trucking		
Inventories This Month:					
	ersonnel				
09/05/08 Dewey Thedford	John Reott				
09/11/08 Dewey Thedford	John Reott				
09/18/08 Dewey Thedford	John Reott				
09/25/08 Dewey Thedford	John Reott				
Dewey Theoford					
Site Manager FWADA					

Site Manager, FWADA



Date: 6/26/2008

Quantity on **Received This** Received to **Used This** Materials **Used to Date** Hand Week Date Week Charges, Shaped, Commercial 19Gr 50 50 0 0 50

Invent	ories This Month:		
Date		Personnel	
06/26/08	Dewey Thedford	Scott Wardle	
Some	2 francus		



Date:

7/3/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	1600	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	50	50	0	0	50
01 01 1 0		50			50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Invent	tories This Month:	
Date		Personnel
07/03/08	Dewey Thedford	Scott Wardell
	•	



Date:

7/11/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Invent	ories This Month:	
Date		Personnel
07/03/08	Dewey Thedford	Scott Wardell
07/11/08	Scott wardell	John Clifford



Date:

7/17/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Date		Personnel
07/01/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford



Date:

7/24/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Inven	tories This Month:	
Date		Personnel
07/01/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE
07/24/08	John Reott	Tom Knapp/USACO



Date: 7/31/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
	-		-		
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Invent	tories This Month:	
Date		Personnel
07/01/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	John Reott	Dewey Thedford
07/24/08	John Reott	Tom Knapp/USACOE
07/31/08	John Reott	Cameron Wenzel



Date:

8/7/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

ories This Month:		
	Personnel	
Dewey Thedford	John Reott	
		Personnel



### **Fort Wingate**

### Weekly Explosive Inventory Magazine B-1029

Date: 8/14/2008

**Received This** Received to **Used This** Quantity on **Materials Used to Date** Week Date Week Hand Detonating Cord, 100 Gr 0 1600' 0 0 1600' Boosters, 3/4 Lb, Black Cap 0 50 0 0 50 Charges, Shaped, Commercial 19 Gr 0 0 50 50 0

Invent	tories This Month:		
Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	



Date:

8/21/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	



Date:

8/28/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Invent	tories This Month:		
Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	
08/28/08	Dewey Thedford	John Reott	



Date:

9/5/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

ories This Month:		
	Personnel	
Dewey Thedford	John Reott	
		Personnel



Date:

9/11/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50

Invent	tories This Month:		
Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	



Date:

9/18/2008

	magaz	1110 10 1020			
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	1600'
Boosters, 3/4 Lb, Black Cap	0	50	0	0	50
Charges, Shaped, Commercial 19 Gr	0	50	0	0	50
•					

Inventories 7	This	Month:
---------------	------	--------

Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	
09/18/08	Dewey Thedford	John Reott	



Date:

9/25/2008

Magazine B-1029					
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Detonating Cord, 100 Gr	0	1600'	0	0	0
Determing cord, 100 Cr		1000	Ŭ .	Ŭ	0
	_			_	_
Boosters, 3/4 Lb, Black Cap	0	50	0	0	0
Charges, Shaped, Commercial 19 Gr	0	50	0	0	0
Items ship	ped to Camp B	onneville by R	&R Trucking	T	
Inventories This Month:	_				
	Personnel		-		
09/05/08 Dewey Thedford	John Reott		-		
09/11/08 Dewey Thedford 09/18/08 Dewey Thedford	John Reott  John Reott		-		
09/18/08 Dewey Thedford 09/25/08 Dewey Thedford	John Reott		-		
09/25/00 Dewey Medicia	JOHN INGUIL		-		
6			-		
Copyed segrand					
Dewey Thedford	_				



Date:

6/26/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	1	1	0	0	1
M-9 Smoke Cannisters	1	1	0	0	1
Grenade Fuse	2	2	0	0	2
		_			_
M-120 Fuse	3	3	0	0	3
Inventories This Month:					
	ersonnel				
06/26/08 Dewey Thedford	Scott Wardel				
Downey Wheelford			•		

Site Manager, FWADA



Date:

7/3/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Cannisters	1	2	0	0	2
Courado Fina		0	0	0	0
Grenade Fuse	0	2	0	0	2
M-120 Fuse	4	7	0	0	7
Lucido de Tirio Mando	<u> </u>		<u> </u>		
Inventories This Month:  Date Poster	= ersonnel				
07/03/08 Dewey Thedford	Scott \	Nardel	•		



Date: 7/11/2008

magazine B 1000					
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	1	3	0	0	3
Grenade Fuse	0	2	0	0	2
M-120 Fuse	5	12	0	0	12

invent	ories i nis Month:		
Date		Personnel	
07/03/08	Dewey Thedford	Scott Wardell	
07/11/08	Scott Wardell	John Clifford	



Date:

7/17/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	13	16	0	0	16
Grenade Fuse	0	2	0	0	2
M-120 Fuse	11	23	0	0	23
Impact Nose Fuse	1	1	0	0	1

### **Inventories This Month:**

Date		Personnel
07/03/08	Dewey Thedford	Scott Wardell
07/11/08	Scott Wardell	John Clifford
07/17/08	Dewey Thedford	Scott Wardell



Date:

7/24/2008

Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
0	1	0	0	1
0	16	0	0	16
0	2	0	0	2
_		_	_	
3	26	0	0	26
1	2	0	0	2
ı		0	U	
1	1	0	0	1
		-	-	
	0	Week         Date           0         1           0         16           0         2           3         26           1         2	Week         Date         Week           0         1         0           0         16         0           0         2         0           3         26         0           1         2         0	Week         Date         Week         Used to Date           0         1         0         0           0         16         0         0           0         2         0         0           3         26         0         0           1         2         0         0

### **Inventories This Month:**

Date		Personnel	
07/03/08	Dewey Thedford	Scott Wardell	
07/11/08	Scott Wardell	John Clifford	
07/17/08	John Reott	Dewey Thedford	
07/24/08	John Reott	Tom Knapp	



Date:

7/31/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	1	3	0	0	3
M-120 Fuse	2	28	0	0	28
Impact Nose Fuse	1	3	0	0	3
Decetor		1	0	0	4
Booster	0	1	U	0	1

Date	Personnel		
07/03/08	Dewey Thedford	Scott Wardell	
07/11/08	Scott Wardell	John Clifford	
07/17/08	John Reott	Dewey Thedford	
07/24/08	John Reott	Tom Knapp	
07/31/08	John Reott	Cameron Wenzel	



Date: 8/7/2008

	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	3	31	0	0	31
Impact Nose Fuse	2	5	0	0	5
	_	-			
Booster	0	1	0	0	1

Invent	ories This Month:		
Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
rand	Coprad Me		



Date: 8/14/2008

	Received This	Received to	Used This	Used to Date Quantity on	
Materials	Week	Date	Week	Used to Date	Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	0	31	0	0	31
Impact Nose Fuse	0	5	0	0	5
D	0	4	0	0	4
Booster	0	1	0	0	1

Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
	-		



Date:

8/21/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	0	31	0	0	31
Impact Nose Fuse	0	5	0	0	5
Impact Nood 1 add	Ŭ.	Ü	Ü	Ü	<u> </u>
Booster	0	1	0	0	1

Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	



Date:

8/28/2008

magazine D 1000						
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand	
Pistol Flare	0	1	0	0	1	
M-9 Smoke Canisters	0	16	0	0	16	
Grenade Fuse	0	3	0	0	3	
M-120 Fuse	0	31	0	0	31	
Impact Nose Fuse	0	5	0	0	5	
Booster	0	1	0	0	1	

Date		Personnel	
08/07/08	Dewey Thedford	John Reott	
08/14/08	Dewey Thedford	John Reott	
08/21/08	Dewey Thedford	John Reott	
08/28/08	Dewey Thedford	John Reott	



Date:

9/5/2008

	9				
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	0	31	0	0	31
Impact Nose Fuse	0	5	0	0	5
					<u> </u>
Booster	0	1	0	0	1
200000		·			
		<u> </u>			
Inventories This Month.					

Invent	Inventories This Month:						
Date		Personnel					
09/05/08	Dewey Thedford	John Reott					
rand	Copy May 1						



Date: 9/11/2008

	Magaz	1110 11000			
Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	0	31	0	0	31
Impact Nose Fuse	0	5	0	0	5
Booster	0	1	0	0	1

#### **Inventories This Month:** Date Personnel **Dewey Thedford** John Reott 09/05/08 09/11/08 **Dewey Thedford** John Reott



Date:

9/18/2008

Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare	0	1	0	0	1
M-9 Smoke Canisters	0	16	0	0	16
Grenade Fuse	0	3	0	0	3
M-120 Fuse	0	31	0	0	31
Impact Nose Fuse	0	5	0	0	5
Impact Nood 1 add	Ŭ.	Ü	Ü	Ü	<u> </u>
Booster	0	1	0	0	1

Date		Personnel	
09/05/08	Dewey Thedford	John Reott	
09/11/08	Dewey Thedford	John Reott	
09/18/08	Dewey Thedford	John Reott	



Date:

9/25/2008

		iviagaz	1110 11000			
	Materials	Received This Week	Received to Date	Used This Week	Used to Date	Quantity on Hand
Pistol Flare		0	1	0	0	1
M-9 Smoke Can	nisters	0	16	0	0	16
W o omore can	10.010		10			10
Cranada Evas			2	0	0	2
Grenade Fuse		0	3	0	0	3
					_	
M-120 Fuse		0	31	0	0	31
Impact Nose Fu	se	0	5	0	0	5
Booster		0	1	0	0	1
					1	
		ltarra a troma a d	t- EMD			
		items turned	over to FWDA I	\ 		
Invent	tories This Month:					
Date		Personnel		_		
09/05/08	Dewey Thedford	John Reott		<del>-</del>		
09/11/08	Dewey Thedford	John Reott		_		
09/18/08	Dewey Thedford	John Reott		=		
09/25/08	Dewey Thedford	John Reott		=		
				-		
Dues	Coprode sucy					
	ewey Thedford			FWAD/Mike Scoville	e	
	Manager, FWADA				-	
				FWAD/Mike Chee		
				F WAD/WIKE Chee		

100 106						Carrier No		
Page/_ of	t/	- R40	R TAVE (Name of c		(SCAC)	Date _	9/2	6/08
TO:		OD" must appear before consignee's name or as otherwise pro-		FROM: Shipper FORT	WINGSTE	ALMY	D-pn	+
,		WIEVILLE (PIKE INTE			ES EAST OF			
		E pluss ROAD, Blog			WINGSTE S			
1,	360)	State, WA Zip Code	70600	24 hr. Emergency Cor	ntact Tel. No.	Vehicle		700
Route		BASIC DES	CRIPTION		TOTAL QUANTITY	WEIGHT	er	CHARGES
No. of Units & Container Type	НМ	Proper Shipping Name, Hazard Class UN or NA Number, Packing Group		per Shipping Name, acking Group	(Weight, Volume, Gallons, etc.)	(Subject to Correction)	RATE	(For Carrier Use Only)
1 2	×	DETONTORS, NON-	ELECTRIC	AL BLASTING	6 LBS			
		1.4B, UN0267 80 FA NEW.	PGII ()	FLG 114)				
, ,		BOOSTHAS, 1.1D,	UN0040	2, PGIT	42 185			
	×	2 0 14			92 200		100	176
XIL T		50 FA., 37.5 NE	W 283					INX.
1	×	COND DETONATION	5,1.10,	UN0065,	30 LBS			
		184 NEW LBS.	164	0 77		1		Maria III
	-	CTN ( WALSES, SWA	INFO CON	nargacial,	27.7.0			
_/	X	1.45, Walouil, 1	80 TT (F)	2G 114)	31 685			
		Pac's:						10000 10000
		FORT WINSATE: CAMPA		4	- Wales			
		CFLC 281-383-823		227				
		NDERED: YES   NO	lare that the contents of this	REMIT C.O.D. TO:				
specifically in writing the agreed or declared value of be not exceeding	agreed or decl of the property	ared value of the property, as follows. The consignmen described at name and	are fully and accurately cove by the proper shipping are classified, packaged labelled/placarded, and an	COD	Amt: \$	C.O.D. PREPA COLLE	ID 🗆	
a release or a value dec the carrier's liability or dec provided by such provision: (3) Commodities requiring must be so marked and pa	claration by the lare a value, the s. See NMFC It special or add ackaged as to e	ishipper and the shipper does not release in all respe- e carrier's lability shall be limited to the extent am 172. In a shall be limited to the extent international regulations are of transportation. See Section 2(e) of	cts in proper condition to according to applicable and national governmental	Subject to Section 7 of the co- consignee without recourse or following statement:	onditions, if this shipment is to be del in the consignor, the consignor shipment without delivery of this shipment without ses.	ivered to the all sign the CHARG	IN CU.	GES
the Contract Terms and Co	onditions for a l	d Statements of Charges and Section 1(a) of st of such articles.	Signature Signature	10-	gnature of Consignor) party at any time interested in all or	except who right is che	on box at cked	are to be collect
tenti (the post natio	s of packages u word carrier be session of the pr on, if on its route	ed above in apparent good order; except as noted (contents an inknown), marked, consigned, and destined as indicated above ing understood throughout this contract as meaning any perso openty under the contract) agrees to carry to its usual place of de , otherwise to deliver to another carrier on the route to said des ch carrier of all or any of, said property over all or any portion o	which said carrier n or corporation in fivery at said desti- tination. It is mutu-	performed hereunder sh sification on the date of s Shipper hereby	all be subject to all the bill of lading hipment. certifies that he is familiar with all n and the said terms and condition	terms and conditions in	the governing cla conditions in the	is-
SHIPPER //	KA =	INTENDOTIONAL IN		CARRIED JA Jes	· Wallow /	Carl Kisn	ec	
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Permanent post-office	ce address	of shipper. PRINTED ON RECYCLED PAPER FRINT	TED MITH	STYLE F365-4 © 20	003 LABELMASTER (80	0) 621-5808 www.	labelmaster.c	om

 $\underline{\text{DIII}}$  or Lauring, rior a copy or supricate, covering the property named herein, and is intended solely for filling or record.

Snipper No.



# APPENDIX E QC TARGET LIST



### EM61-MK2 Target List September 2008

ID	Easting (ft)	Northing (ft)	Magnitude (mV)	Description
1	2489839.60	1623474.70	2.3	Barbed Wire
2	2489716.40	1623456.20	17.5	Multiple hot rocks and asphalt
3	2489716.60	1623407.50	3.4	Hot Rock, edge of road
4	2489903.50	1623390.50	6.3	No Contact
5	2489925.00	1623390.50	2.5	1" Wire
6	2490131.90	1623368.00	2.5	No Contact
7	2490224.70	1623367.30	2.9	No Contact
8	2490725.30	1623314.50	3.5	No Contact
9	2490728.90	1623513.60	2.7	No Contact
10	2490623.50	1623542.00	4.9	No Contact
11	2490623.40	1623598.60	2.2	No Contact
12	2490519.20	1623519.30	2.3	Benchmark
13	2490526.40	1623332.30	3.3	No Contact
14	2490426.20	1623566.60	6.4	No Contact
15	2490325.30	1623585.40	5.6	Metal Scrap
16	2490325.20	1623483.60	2.7	No Contact
17	2490326.30	1623356.00	4.7	No Contact
18	2490119.90	1623522.80	4.1	No Contact
19	2492075.79	1622646.71	7.4	Wire
20	2492134.82	1622745.52	2.8	Cable
21	2492120.47	1622745.30	8.8	Cable
22	2492164.42	1622935.35	8.1	Cable
23	2492801.48	1620015.04	6.8	4" Wire
24	2492997.72	1618600.27	2.6	Banding
25	2493045.64	1618484.49	2.6	Banding
26	2493052.47	1618482.67	3.6	Wire
27	2493155.13	1618360.43	2.1	No Contact
28	2493141.97	1618264.07	5.8	Middle of asphalt road
29	2493132.72	1618257.54	30.3	Rebar
30	2493082.34	1618162.82	1745.1	Culvert



### EM61-MK2 Target List September 2008 (Continued)

ID	Easting (ft)	Northing (ft)	Magnitude (mV)	Description
31	2493220.20	1617918.38	3.6	Nail
32	2493208.79	1617855.37	10.1	Wire
33	2493217.22	1617845.31	3.1	Wire
34	2493394.98	1617633.73	4.7	Small Metal
35	2493360.93	1617538.77	2.7	Barbed Wire
36	2493407.26	1617394.18	4.8	Wire
37	2493562.54	1617147.02	7.7	Soda Can
38	2492840.54	1620030.29	3.1	Tin Lid
39	2492850.56	1619224.15	2.3	No Contact
40	2492777.72	1619934.64	2.5	Nail
41	2492889.06	1619813.09	2.6	Nail
42	2492885.63	1619804.59	3.6	Banding
43	2492842.06	1619826.03	6.5	Rebar
44	2492830.62	1619831.92	81.7	Small Metal
45	2492766.82	1619828.53	2.8	Wire
46	2492728.14	1619829.40	5.5	Wire
47	2492635.04	1619750.24	10.8	Metal Can
48	2492672.94	1619614.27	3.4	4" nail
49	2492987.60	1619438.49	7.4	Banding
50	2485485.67	1615739.96	3.1	Bolt
51	2485472.62	1615672.25	2.7	Screw
52	2485409.71	1615291.92	3.5	Tin Lid
53	2485441.66	1614996.53	4.7	Рор Тор
54	2485443.02	1614983.01	2.7	Barbed Wire
55	2485429.94	1614664.86	4.0	Piece of Chain Link
56	2485427.66	1614403.03	2.4	No Contact
57	2485312.23	1614150.86	3.7	Barbed Wire
58	2485179.17	1614044.42	4.1	Nail
59	2485157.90	1613970.37	2.5	No Contact
60	2485191.92	1613968.27	3.9	Barbed Wire



### EM61-MK2 Target List September 2008 (Continued)

ID	Easting (ft)	Northing (ft)	Magnitude (mV)	Description
61	2485263.57	1613990.89	2.6	Nail
62	2485272.66	1613993.83	2.9	Barbed Wire
63	2485331.30	1613996.01	4.0	Soda Can
64	2485368.77	1613994.86	12.8	Sardine can
65	2485552.70	1613728.67	29.3	Rebar
66	2485546.70	1613694.87	4.8	Nail
67	2485577.02	1613584.35	2.9	Staple
68	2485536.50	1613437.78	2.9	Staple
69	2485520.29	1613402.67	96.6	Paint Can
70	2485559.44	1613295.42	20.2	Soup Can
71	2485567.22	1613263.52	11.4	Hot Rock
72	2485556.45	1613211.63	47.1	Hand trowel
73	2485535.15	1613190.61	10.7	Chain Link
74	2485540.53	1613009.24	3.0	Рор Тор
75	2485569.72	1612714.55	3.0	Staple
76	2485528.42	1612682.47	2.7	Drill Bit
			April-2009	
77	2490009.08	1623337.22	6.5	GPO
78	2490058.00	1623330.21	14.6	GPO
79	2490458.80	1623304.69	3.6	Wire
80	2490613.70	1623288.74	1.6	0.1 lb Aluminum
81	2490838.68	1623279.94	1.8	0.2 lb Aluminum
82	2490958.52	1623270.89	11.0	0.5 lb Spike
83	2486226.03	1618962.71	5.1	Metal Debris
84	2486203.18	1619068.48	4.3	1 lb Frag
85	2486203.91	1619095.17	1.6	Wire
86	2486204.22	1619125.51	16.7	Wire
87	2486203.90	1619156.52	2.0	0.1 lb Frag
88	2486205.98	1619184.10	20.4	1 lb Frag
89	2486207.91	1619207.53	23.7	2 lb fFrag



# EM61-MK2 Target List April 2009 (Continued)

ID	Easting (ft)	Northing (ft)	Magnitude (mV)	Description
90	2486228.07	1619515.83	2.7	0.1 lb Frag
91	2486234.15	1619586.08	6.4	0.1 lb Frag
92	2486236.19	1619604.64	3.7	0.1 lb Frag
93	2486237.49	1619617.98	4.3	0.5 lb frag
94	2486238.89	1619633.21	4.4	0.1 lb Frag
95	2486254.82	1619773.25	4.1	Barb Wire
96	2495407.38	1609578.01	30.3	Buried Cable
97	2485855.33	1611232.25	6.0	Wire
98	2485869.81	1611305.82	2.1	3 lb MD
99	2485874.80	1611369.71	10.0	Metal Can
100	2485794.66	1611513.88	5.1	Wire
101	2485786.17	1611524.82	18.3	0.5 lb MD
102	2485877.84	1611829.00	6.9	Bolt
103	2485865.83	1611934.44	41.7	2 lb MD
104	2485854.26	1612130.12	33.2	2 lb MD
105	2485851.90	1612138.74	3.5	0.5 lb MD
106	2485835.96	1612200.02	3.4	0.5 lb MD
107	2485833.17	1612255.51	28.9	Barb Wire
108	2485830.43	1612269.19	2.0	0.5 lb MD
109	2485824.52	1612303.39	98.2	0.5 lb MD
110	2485822.54	1612311.01	7.9	0.5 lb MD
111	2485790.99	1612395.98	8.5	Nail
112	2485778.74	1612486.79	3.6	0.5 lb MD
113	2485765.45	1612556.34	13.7	0.5 lb MD
114	2485760.62	1612563.56	2.0	0.5 lb MD
115	2485729.42	1612747.63	5.6	Aluminum Can
116	2485735.35	1612804.15	5.5	0.5 lb MD
117	2485735.66	1612943.32	43.1	0.5 lb MD
118	2486219.93	1618790.19	2.2	0.5 lb MD
119	2486219.56	1618887.14	4.6	0.5 lb MD



# EM61-MK2 Target List April 2009 (Continued)

ID	Easting (ft)	Northing (ft)	Magnitude (mV)	Description
120	2486218.64	1618892.70	7.9	Barb Wire
121	2486216.26	1618903.17	6.0	Wire
122	2486222.28	1618988.40	2.5	Barb Wire
123	2486221.68	1619050.55	13.5	Barb Wire
124	2486228.55	1619238.61	8.1	Fencing Material
125	2486234.47	1619380.45	6.8	Wire
126	2486259.26	1619726.64	16.4	Horseshoe
127	2486271.58	1619896.45	8.6	0.5 lb MD
128	2486281.70	1620010.32	22.8	Wire
129	2486264.96	1619892.20	4.5	Wire
130	2486249.81	1619796.99	2.0	0.5 lb MD
131	2486241.45	1619735.03	4.2	0.5 lb MD
132	2486178.50	1619435.86	2.3	Wire
133	2486174.44	1619398.94	8.4	Nail
134	2486167.79	1619346.12	5.2	Nail
135	2486166.50	1619339.03	2.5	Fence Staple
136	2486117.78	1619003.57	10.1	0.5 lb MD
137	2486124.42	1618834.51	19.5	0.5 lb MD

Note: Coordinates are reported in NAD83 New Mexico State Plane West, US Survey Feet



# APPENDIX F DAILY REPORTS



PIKA Project Manager: Corey Woods			Date:	Date: 8/11/08		
SUXOS: Dewey Thedford				PIKA UXOSOS: John Reott		
WEATHER	: Partly cloudy		TEM	IPERATURE: High: 79 Low:	: 51	
SITE COND	DITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):					
Commence	Kick out /Transect Investigation	on.				
Commence	Rick Out / Hallseet Hivestigation	JII				
PERSONN	EL ON-SITE					
		D!4!	TT	EMBLOVED	DATE	
Number 1	Name	Position SUXOS	Hours	EMPLOYER PIKA	<b>DATE</b> 8/11/08	
2	Dewey Thedford John Reott	SSHO/QC	10	PIKA	8/11/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/11/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/11/08	
5	John Clifford	Tech 2	10	PIKA	8/11/08	
6	Joel Pullem	Tech 2	10	PIKA	8/11/08	
7	Thomas Holland	Tech 1	10	PIKA	8/11/08	
•	Dennis Anaya	Tech 1	10	PIKA	8/11/08	
9	Michael Bradford	Tech 1	10	PIKA	8/11/08	
10	Wilchael Bradioid	Teen 1	10	1111/1	0/11/00	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
Total work hou	urs on this job this date		90	Were there any loss time accidents this date	?	
Cumulative tot	al of work hours from previous report		2290	Yes No	)	
	ars from start of project		2380	If yes, attach summary of incident or OSHA	A report	
HEAVY E	QUIPMENT ON-SITE: (type	e, model, source [renta	l/own], sı	ibcontractor owned/operated)		
N	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0700 – Gear set-up for Kick-out Investigation

0730 - Teams investigating routes into work areas

0900 - Downloaded data into Trimble Handhelds

1200 – Break for lunch

1230 - Return to work

1300 - Kickoff meeting at Bldg 31 with Zuni and Navaho Tribal representatives, Cory Woods, Paul Hanneman

1530 – Meeting adjourned

1600 – Team meeting for pre-operational issues

1700 – Secure for the day

Transects Completed: 00Transects to Date: 00

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Start Kick out investigations

#### NOTES/COMMENTS

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Location:** Ft Wingate, New Mexico

**Project Name: Kick out Investigation** Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137 OTHER REMARKS USACOE Safety/Slappy Harmon on site VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct. SIGNATURE: DATE:8/11/08



PIKA Project Manager: Corey Woods			Date:	Date: 8/12/08		
SUXOS: Dewey Thedford				PIKA UXOSOS: John Reott		
WEATHER	: Partly cloudy		TEM	PERATURE: High: 83 Low:	53	
SITE COND	DITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD)					
Commence	Kick out /Transect Investigati	on				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/12/08	
2	John Reott	SSHO/QC	10	PIKA	8/12/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/12/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/12/08	
5	John Clifford	Tech 2	10	PIKA	8/12/08	
6	Joel Pullem	Tech 2	10	PIKA	8/12/08	
7	Thomas Holland	Tech 1	10	PIKA	8/12/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/12/08	
9	Michael Bradford	Tech 1	10	PIKA	8/12/08	
10	Genevieve Pino	Archaeologist	10	Navaho Tribes	8/12/08	
11	Eugene Bowkaty	Archaeologist	10	Zuni Tribes	8/12/08	
12						
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20						
T . 1 . 1 . 1	11.11.11.11		440		`	
	ars on this job this date		110	Were there any loss time accidents this date	!	
	al of work hours from previous report		2380		uomout.	
	Total work hours from start of project 2490 If yes, attach summary of incident or OSHA report  HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)					
		e, mouer, source frenta	uowiij, St	ibcontractor owned/operated)		
<u> </u>	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departing for field

0800 – Start Kick-out investigations

1200 – Break for lunch

1230 - Return to work

1300 - Kickoff meeting at Bldg 31 with Zuni and Navaho Tribal representatives, Cory Woods, Paul Hanneman

1530 – Meeting adjourned

1600 – Team meeting for pre-operational issues

1700 – Secure for the day

Transects Completed: 00Transects to Date: 00

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids:  $\underline{00}$  Total Grids:  $\underline{00}$ 

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### **CHANGE ORDER(S): NA**

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Start Kick out investigations

#### NOTES/COMMENTS

#### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

Gerald Stone/PIKA PM



**Project Name: Kick out Investigation** 

### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/12/08



PIKA Project Manager: Corey Woods			Date:	Date: 8/13/08			
SUXOS: Dewey Thedford				PIKA UXOSOS: John Reott			
WEATHER: Partly cloudy				PERATURE: High: 84 Low:	50		
SITE COND	DITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site		
GENERAL R	EMARKS – Plan of the Day (POD)	:					
Continuo V	ick out /Transect Investigation						
Continue K	ick out / Transect Investigation						
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	8/13/08		
2	John Reott	SSHO/QC	10	PIKA	8/13/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/13/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/13/08		
5	John Clifford	Tech 2	10	PIKA	8/13/08		
6	Joel Pullem	Tech 2	10	PIKA	8/13/08		
	Thomas Holland	Tech 1	10	PIKA	8/13/08		
7	Dennis Anaya	Tech 1	10	PIKA	8/13/08		
8	Michael Bradford	Tech 1	10	PIKA	8/13/08		
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/13/08		
11	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/13/08		
12	Eugene Bowekaty	Archeologist	10	Zum mocs	0/13/00		
13							
14							
15							
16							
17							
18							
19							
20							
Total work hou	ars on this job this date		110	Were there any loss time accidents this date	?		
	al of work hours from previous repor	t	2490	Yes No			
	urs from start of project	-	2600	If yes, attach summary of incident or OSHA			
HEAVY E	QUIPMENT ON-SITE: (typ	e, model, source [renta		ibcontractor owned/operated)	¥		
I	N/A						



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departing for field

0800 – Start Kick-out investigations

0830 – Start Igloo/ATF pre- Audit

0930 - Complete Audit

1200 - Break for lunch

1230 – Return to work

1700 – Secure for the day

Transects Completed: 22 Transects to Date: 22

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

 $\begin{array}{lll} \mbox{Grids QC checked:} & \mbox{\underline{00}} & \mbox{Grids QA checked:} & \mbox{\underline{00}} \\ \mbox{Total Grids:} & \mbox{\underline{00}} & \mbox{Total Grids:} & \mbox{\underline{00}} \\ \end{array}$ 

#### SAFETY INSPECTION RESULTS AND COMMENTS

### **CHANGE ORDER(S): NA**

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

#### NOTES/COMMENTS

### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

Gerald Stone/PIKA PM

Rick Holthouser/PIKA Ammo Mgr



**Project Name: Kick out Investigation** 

### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/13/08



PIKA Project Manager: Corey Woods			Date:	Date: 8/14/08		
SUXOS: Dewey Thedford				PIKA UXOSOS: John Reott		
WEATHER: Partly cloudy				IPERATURE: High: 84 Low:	51	
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD)		J			
Continue K	Tick out /Transect Investigation	1				
Continue 1	rick out / Transcet investigation	1				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/14/08	
2	John Reott	SSHO/QC	10	PIKA	8/14/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/14/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/14/08	
5	John Clifford	Tech 2	10	PIKA	8/14/08	
6	Joel Pullem	Tech 2	10	PIKA	8/14/08	
7	Thomas Holland	Tech 1	10	PIKA	8/14/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/14/08	
9	Michael Bradford	Tech 1	10	PIKA	8/14/08	
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/14/08	
11	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/14/08	
12	Lugene Bowekaty	Archeologist	10	Zum mocs	0/14/00	
13						
14						
15						
16						
17						
18						
19						
20						
Total work hou	ars on this job this date		110	Were there any loss time accidents this date	?	
	al of work hours from previous report		2600	Yes No		
	ars from start of project		2710	If yes, attach summary of incident or OSHA		
HEAVY E	HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)  N/A					
1	V/A					



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departing for field 0800 – Start Kick-out investigations 0830 – Start Igloo/ATF pre- Audit 0930 – Complete Audit 1200 – Break for lunch 1230 – Return to work 1530 – Return to office 1600 – Start vehicle/equipment maintenance 1700 – Secure for the day
Transects Completed: 41 Transects to Date: 63
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
VERDAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00
Total Grids: $\overline{00}$ Total Grids: $\overline{00}$
<u> </u>
SAFETY INSPECTION RESULTS AND COMMENTS
DITECTO (RESCEID IN DECOMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Name: Kick out Investigation** 

### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/14/08



PIKA Project Manager: Corey Woods			Date:	Date: 8/18/08		
SUXOS: Dewey Thedford				PIKA UXOSOS: John Reott		
WEATHER: Partly cloudy				IPERATURE: High: 81 Low:	47	
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):	<u> </u>				
Continuo K	Tick out /Transect Investigation	<b>.</b>				
Continue K	ick out / Transect investigation	1				
DEDCONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/18/08	
2	John Reott	SSHO/QC	10	PIKA	8/18/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/18/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/18/08	
5	John Clifford	Tech 2	10	PIKA	8/18/08	
6	Joel Pullem	Tech 2	10	PIKA	8/18/08	
7	Thomas Holland	Tech 1	10	PIKA	8/18/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/18/08	
9	Michael Bradford	Tech 1	10	PIKA	8/18/08	
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/18/08	
11	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/18/08	
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18						
19						
20						
Total models have	yes on this ich this data		110	Ware those any less time assidents this data	9	
	ars on this job this date al of work hours from previous report		110 2710	Were there any loss time accidents this date  Yes  No		
	* *					
HEAVY E		e, model, source [renta	2820 l/own], su	If yes, attach summary of incident or OSHA  ibcontractor owned/operated)	пероп	
1	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY 0630 - Task Order and safety meeting at office 0645 – Checking instruments 0700 – Teams departing for field 0800 – Start Kick-out investigations 1200 – Break for lunch 1230 – Return to work 1600 - Return to Office 1700 – Secure for the day Transects Completed: 46 Transects to Date: 109 VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: 00 Grids QA checked: 00 **Total Grids:** 00 **Total Grids:** 00 SAFETY INSPECTION RESULTS AND COMMENTS **CHANGE ORDER(S): NA** Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Name: Kick out Investigation** 

### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/18/08



PIKA Project Manager: Corey Woods			Date:	Date: 8/19/08		
SUXOS: Dewey Thedford				PIKA UXOSOS: John Reott		
WEATHER: Sunny				PERATURE: High: 83 Low:	51	
SITE COND	DITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):		u u			
Continue K	Tick out /Transect Investigation	1				
Continue K	ick out / Transect investigation	1				
DEDSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/19/08	
2	John Reott	SSHO/QC	10	PIKA	8/19/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/19/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/19/08	
5	John Clifford	Tech 2	10	PIKA	8/19/08	
6	Joel Pullem	Tech 2	10	PIKA	8/19/08	
7	Thomas Holland	Tech 1	10	PIKA	8/19/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/19/08	
9	Michael Bradford	Tech 1	10	PIKA	8/19/08	
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/19/08	
11						
12						
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17						
18						
19						
20						
Total work hou	urs on this job this date		100	Were there any loss time accidents this date	?	
Cumulative tot	al of work hours from previous report		2820	Yes No	)	
Total work hou	ars from start of project		2920	If yes, attach summary of incident or OSHA	A report	
HEAVY E	QUIPMENT ON-SITE: (type	e, model, source [renta	l/own], su	ibcontractor owned/operated)		
1	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departing for field

0800 – Start Kick-out investigations

0900 – Depauli Surveyors onsite to walk arroyo

1130 – Surveyors completed arroyo walk

1200 - Break for lunch

1230 - Return to work

1600 - Return to Office

1700 – Secure for the day

Transects Completed: 40
Transects to Date: 149

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids:  $\underline{00}$  Total Grids:  $\underline{00}$ 

### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

#### NOTES/COMMENTS

Eugene Bowekaty not on site today.

### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

Mike Depauli/Depauli Eng. And Surveying Co



**Project Name: Kick out Investigation** 

### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/19/08



PIKA Project Manager: Corey Woods			Date:	Date: 8/20/08		
SUXOS: Dewey Thedford				PIKA UXOSOS: John Reott		
WEATHER: Partly Cloudy				PERATURE: High: 81 Low:	51	
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):	<u> </u>	J			
Continue K	Tick out /Transect Investigation	1				
	5					
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/20/08	
2	John Reott	SSHO/QC	10	PIKA	8/20/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/20/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/20/08	
5	John Clifford	Tech 2	10	PIKA	8/20/08	
6	Joel Pullem	Tech 2	10	PIKA	8/20/08	
7	Thomas Holland	Tech 1	10	PIKA	8/20/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/20/08	
9	Michael Bradford	Tech 1	10	PIKA	8/20/08	
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/20/08	
11						
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17						
18						
19						
20						
Total work hou	urs on this job this date		100	Were there any loss time accidents this date	?	
Cumulative tot	al of work hours from previous report		2920	Yes No	1	
Total work hou	urs from start of project		3020	If yes, attach summary of incident or OSHA	report	
HEAVY E	QUIPMENT ON-SITE: (type	e, model, source [renta	l/own], st	ibcontractor owned/operated)		
1	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departed for field

1200 - Break for lunch

1230 – Return to work

1630 - Teams return to Office

1700 – Secure for the day

Transects Completed: <u>64</u>
Transects to Date: <u>213</u>

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids:  $\overline{00}$ 

### SAFETY INSPECTION RESULTS AND COMMENTS

### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### **NOTES/COMMENTS**

Eugene Bowekaty not on site today. He did not call or show up.

### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

### OTHER REMARKS

USACOE Safety/Slappy Harmon on site



Project Name: Kick out Investigation	Project Location: Ft Wingate, New Mexico
Pika Contract Number: W912BV-04-D-2016-DY02	PIKA Project Number: 08-12-137
	1
VERIFICATION BY FIELD SUPERINTENDENT: The above report	is, to the best of my knowledge, complete and correct.
Company Made	
another Weaker	2/92/02
SIGNATURE: DATE:	8/20/08



PIKA Project Manager: Corey Woods		Date:	Date: 8/21/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER	: Partly Cloudy		TEM	PERATURE: High: 81 Low:	51	
SITE COND	DITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):		u u			
Continue K	Tick out /Transect Investigation	1				
Continue K	rick out / Transect Investigation	1				
DEDSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/21/08	
2	John Reott	SSHO/QC	10	PIKA	8/21/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/21/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/21/08	
5	John Clifford	Tech 2	10	PIKA	8/21/08	
6	Joel Pullem	Tech 2	10	PIKA	8/21/08	
7	Thomas Holland	Tech 1	10	PIKA	8/21/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/21/08	
9	Michael Bradford	Tech 1	10	PIKA	8/21/08	
10	Geneneve Pino	Archeologist	10	Navaho Tribes	8/21/08	
11	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/21/08	
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20						
Total work hou	ars on this job this date		110	Were there any loss time accidents this date	?	
	al of work hours from previous report		3020	Yes No		
	ars from start of project		3130	If yes, attach summary of incident or OSHA	report	
HEAVY E	QUIPMENT ON-SITE: (type	e, model, source [renta	l/own], st	ibcontractor owned/operated)		
N	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 – Teams departed for field

1200 - Break for lunch

1230 – Return to work

1600 – Teams return to Office

1605 – Teams conducting vehicle/equipment maintenance

1700 – Secure for the day

Transects Completed: <u>56</u>
Transects to Date: <u>269</u>

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

 $\begin{array}{lll} \text{Grids QC checked:} & \underline{00} & \text{Grids QA checked:} & \underline{00} \\ \text{Total Grids:} & \underline{00} & \text{Total Grids:} & \underline{00} \\ \end{array}$ 

### SAFETY INSPECTION RESULTS AND COMMENTS

### **CHANGE ORDER(S): NA**

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### **NOTES/COMMENTS**

Eugene Bowekaty returned to work today.

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

#### OTHER REMARKS



**Project Name: Kick out Investigation** 

## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Number: 08-12-137

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/21/08



PIKA Project Manager: Corey Woods		Date:	Date: 8/27/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER	: Partly Cloudy		TEM	PERATURE: High: 79 Low:	50	
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD	):	J			
* Continue	Kick out /Transect Investigat	ion				
Continue	Kick out / Transect hivestiga	.1011				
DEDSONN	EL ON-SITE					
		- A.A				
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/27/08 8/27/08	
2	John Reott	SSHO/QC	10	PIKA		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/27/08 8/27/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA		
5	John Clifford	Tech 2	10	PIKA	8/27/08	
6	Joel Pullem	Tech 2	10	PIKA	8/27/08	
7	Thomas Holland	Tech 1	10	PIKA	8/27/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/27/08	
9	Michael Bradford	Tech 1	10	PIKA	8/27/08	
10	Michael Ahmu	Tech 1	10	PIKA	8/27/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	8/27/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/27/08	
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Total models have	yes on this ish this data		100	Word thougany loss time assidents this deter	.9	
	ars on this job this date al of work hours from previous repo	ert.	120 3370	Were there any loss time accidents this date		
		ιι				
	ors from start of project	ne model source [rente	3490 Lown] si	If yes, attach summary of incident or OSHA  ibcontractor owned/operated)	report	
	V/A	re, mouer, source fiella		incommacion owned/operated)		
1	V/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departed for field

0845 - DePauli Surveyors on site to survey arroyo for grid system

1200 - Break for lunch

1230 – Return to work

1530 - DePauli Surveyors completed arroyo survey. Will have data for review after Labor Day.

1630 – Teams return to Office

1700 – Secure for the day

Transects Completed: 34 Transects to Date: 410

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids:  $\underline{00}$  Total Grids:  $\underline{00}$ 

### SAFETY INSPECTION RESULTS AND COMMENTS

### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### NOTES/COMMENTS

### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

Marc DePauli/Surveyor/ Arroyo Survey/Yes

Jason Irvine/Surveyor/Arroyo survey/Yes



**Project Name: Kick out Investigation** 

## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/27/08



PIKA Project Manager: Corey Woods		Date:	Date: 8/28/08			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER	: Partly Cloudy		TEM	<b>PERATURE:</b> High: 79 Low:	50	
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):	:				
* Continue	Kick out /Transect Investigati	on				
Continue	<u> </u>	<del></del>				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	8/28/08	
2	John Reott	SSHO/QC	10	PIKA	8/28/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	8/28/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	8/28/08	
5	John Clifford	Tech 2	10	PIKA	8/28/08	
6	Joel Pullem	Tech 2	10	PIKA	8/28/08	
7	Thomas Holland	Tech 1	10	PIKA	8/28/08	
8	Dennis Anaya	Tech 1	10	PIKA	8/28/08	
9	Michael Bradford	Tech 1	10	PIKA	8/28/08	
10	Michael Ahmu	Tech 1	10	PIKA	8/28/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	8/28/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	8/28/08	
13						
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16						
17						
w18						
19						
20						
	ars on this job this date		120	Were there any loss time accidents this date		
	al of work hours from previous report		3490	Yes No		
Total work hours from start of project 3610 If yes, attach summary of incident or OSHA report  HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)				A report		
		e, model, source [rental	/own], su	ibcontractor owned/operated)		
N	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departed for field

1200 - Break for lunch

1230 – Return to work

1530 – Return to the office..

1600 - Teams return to Office

1615 - Teams conducting maintenance on vehicles and equipment

1700 – Secure for the day

Transects Completed: 24 Transects to Date: 434

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids:  $\underline{00}$  Total Grids:  $\underline{00}$ 

### SAFETY INSPECTION RESULTS AND COMMENTS

### **CHANGE ORDER(S): NA**

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### NOTES/COMMENTS

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Name: Kick out Investigation** 

## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

USACOE Safety/Slappy Harmon on site

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:8/28/08



PIKA Project Manager: Corey Woods		Date:	Date: 9/3/2008		
SUXOS: Dewey Thedford			PIKA	A UXOSOS: John Reott	
WEATHER	: Partly Cloudy		TEM	IPERATURE: High: 779 Low	7: 48
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief befor fic task/hazardous review at the site.	e leaving office, site
GENERAL R	EMARKS – Plan of the Day (POD)	):			
* Continue	Kick out /Transect Investigat	ion			
Commu	Then out Timeset in esugue				
PERSONN	EL ON-SITE				
Number	Name	Position	Hours	EMPLOYER	DATE
1	Dewey Thedford	SUXOS	10	PIKA	9/3/08
2	John Reott	SSHO/QC	10	PIKA	9/3/08
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/3/08
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/3/08
5	John Clifford	Tech 2	10	PIKA	9/3/08
6	Joel Pullem	Tech 2	10	PIKA	9/3/08
7	Thomas Holland	Tech 1	10	PIKA	9/3/08
8	Dennis Anaya	Tech 1	10	PIKA	9/3/08
9	Michael Bradford	Tech 1	10	PIKA	9/3/08
10	Michael Ahmu	Tech 1	10	PIKA	9/3/08
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/3/08
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/3/08
13	,	Ŭ			
14					
15					
16					
17					
w18					
19					
20					
Total work hou	urs on this job this date		120	Were there any loss time accidents this date	e?
Cumulative tot	al of work hours from previous repor	t	3610	Yes No	)
Total work hou	irs from start of project		3730	If yes, attach summary of incident or OSHA	A report
HEAVY E	QUIPMENT ON-SITE: (typ	e, model, source [renta	l/own], st	ibcontractor owned/operated)	
N	N/A				
		<u> </u>			



WORK PERFORMED TODAY
0630 – Task Order and safety meeting at office
0645 – Checking instruments
0700 – Teams departed for field
1200 – Break for lunch
1230 – Return to work 1630 – Return to the office
1700 – Secure for the day
1700 – Secure for the day
Transects Completed: <u>36</u>
Transects to Date: 470
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
ONFORESEEN SITE CONDITIONS AND/OR TOTENTIAL I ROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00
Total Glids. <u>oo</u> Total Glids. <u>oo</u>
GA FREEN, INCOMPRESENTANT PROSENTES AND GOLD STANTES
SAFETY INSPECTION RESULTS AND COMMENTS
CHANCE ODDED(C), NA
CHANGE ORDER(S): NA Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
Tippioved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Name: Kick out Investigation** 

## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:9/3//08



PIKA Project Manager: Corey Woods		Date:	Date: 9/4/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER	: Sunny		TEM	PERATURE: High: 79 Low:	50	
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD)	):	J			
* Continue	Kick out /Transect Investigat	ion				
Continue	Rick Out / Transect Investigat	IOII				
DEDSONN	EL ON-SITE					
		D 44		ELEN OVER	D + MD	
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/4/08	
2	John Reott	SSHO/QC	10	PIKA	9/4/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/4/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/4/08	
5	John Clifford	Tech 2	10	PIKA	9/4/08	
6	Joel Pullem	Tech 2	10	PIKA	9/4/08	
7	Thomas Holland	Tech 1	10	PIKA	9/4/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/4/08	
9	Michael Bradford	Tech 1	10	PIKA	9/4/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/4/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/4/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/4/08	
13						
14						
15						
16						
17						
w18						
19						
20						
Total work hou	ars on this job this date		120	Were there any loss time accidents this date?		
Cumulative tot	al of work hours from previous repor	t	3730	Yes No	)	
Total work hou	ars from start of project		3850	If yes, attach summary of incident or OSHA	A report	
		e, model, source [renta	l/own], st	ibcontractor owned/operated)		
1	N/A			<u> </u>		



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY 0630 - Task Order and safety meeting at office 0645 – Checking instruments 0700 - Teams departed for field 1200 - Break for lunch 1230 - Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: 38 Transects to Date: VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: 00 Grids QA checked: 00 **Total Grids:** 00 **Total Grids:** 00 SAFETY INSPECTION RESULTS AND COMMENTS **CHANGE ORDER(S): NA** Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Name: Kick out Investigation** 

## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:9/4//08



DWA Party Manager Co., W. J.		Б.	Date: 0/4/2000				
PIKA Projec	et Manager: Corey Woods		Date:	Date: 9/4/2008			
SUXOS: Dewey Thedford		PIKA	A UXOSOS: John Reott				
WEATHER	: Sunny		TEM	PERATURE: High: 81 Low:	49		
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site		
GENERAL R	EMARKS – Plan of the Day (POD)	:					
* Continue	Kick out /Transect Investigati	on					
	<u> </u>						
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	9/5/08		
2	John Reott	SSHO/QC	10	PIKA	9/5/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/5/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/5/08		
5	John Clifford	Tech 2	10	PIKA	9/5/08		
6	Joel Pullem	Tech 2	10	PIKA	9/5/08		
7	Thomas Holland	Tech 1	10	PIKA	9/5/08		
8	Dennis Anaya	Tech 1	10	PIKA	9/5/08		
9	Michael Bradford	Tech 1	10	PIKA	9/5/08		
10	Michael Ahmu	Tech 1	10	PIKA	9/5/08		
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/5/08		
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/5/08		
13							
14							
15							
16							
17							
w18							
19							
20							
					-		
	ars on this job this date		120	Were there any loss time accidents this date?			
	al of work hours from previous report	<u>t</u>	3850	Yes No			
	ars from start of project		3970	If yes, attach summary of incident or OSH.	A report		
	-	e, modei, source [renta	vownj, su	abcontractor owned/operated)			
ľ	N/A						



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY 0630 - Task Order and safety meeting at office 0645 – Checking instruments 0700 - Teams departed for field 1200 - Break for lunch 1230 - Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: Transects to Date: 561 VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00 SAFETY INSPECTION RESULTS AND COMMENTS CHANGE ORDER(S): NA Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



<b>Project Location:</b> Ft Wingate, New Mexico <b>PIKA Project Number</b> : 08-12-137
e report is, to the best of my knowledge, complete and correct.
DATE:9/5//08



PIKA Project Manager: Corey Woods		Date:	Date: 9/8/2008			
SUXOS: Dewey Thedford		PIKA	PIKA UXOSOS: John Reott			
WEATHER	: Sunny		TEM	PERATURE: High: 80 Low:	51	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	re leaving office, site	
	EMARKS – Plan of the Day (POI		•			
* Continue	Kick out /Transect Investiga	ation				
PERSONN	IEL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/8/08	
2	John Reott	SSHO/QC	10	PIKA	9/8/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/8/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/8/08	
5	John Clifford	Tech 2	10	PIKA	9/8/08	
6	Joel Pullem	Tech 2	10	PIKA	9/8/08	
7	Thomas Holland	Tech 1	10	PIKA	9/8/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/8/08	
9	Michael Bradford	Tech 1	10	PIKA	9/8/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/8/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/8/08	
12	Eugene Bowekaty	Archeologist	0	Zuni Tribes	9/8/08	
13						
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w18						
19						
20						
Total work has	urs on this job this date		110	Were there any loss time accidents this dat	<u></u>	
	urs on this job this date tal of work hours from previous rep	ort	3970	Yes Yes		
	urs from start of project	лі	4080	If yes, attach summary of incident or OSH.		
		ne. model. source [renta		bcontractor owned/operated)	1110poit	
	N/A	po, mouei, source frenta		on item operated)		
<u> </u>	- w					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departed for field

1200 - Break for lunch

1230 – Return to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: 32 Transects to Date: 593

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

 $\begin{array}{lll} \text{Grids QC checked:} & \underline{00} & \text{Grids QA checked:} & \underline{00} \\ \text{Total Grids:} & \underline{00} & \text{Total Grids:} & \underline{00} \\ \end{array}$ 

### SAFETY INSPECTION RESULTS AND COMMENTS

### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy not on site. Will return tomorrow.

Eugene Bowekaty not on site today. He did not notify us that he would not be here today.

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02	<b>Project Location:</b> Ft Wingate, New Mexico <b>PIKA Project Number:</b> 08-12-137
OTHER REMARKS	
VERIFICATION BY FIELD SUPERINTENDENT: The above report	t is, to the best of my knowledge, complete and correct.
Coffin Warrend	
SIGNATURE: DATE:	9/8//08



PIKA Project Manager: Corey Woods		Date:	Date: 9/9/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER	: Sunny		TEM	PERATURE: High: 72 Low:	45	
SITE COND	OITIONS: Good			th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD)	:	•			
* Continue	Kick out /Transect Investigati	ion				
Continue	TRICK Out / Transcet investigat					
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/9/08	
2	John Reott	SSHO/QC	10	PIKA	9/9/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/9/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/9/08	
5	John Clifford	Tech 2	10	PIKA	9/9/08	
6	Joel Pullem	Tech 2	10	PIKA	9/9/08	
7	Thomas Holland	Tech 1	10	PIKA	9/9/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/9/08	
9	Michael Bradford	Tech 1	10	PIKA	9/9/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/9/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/9/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/9/08	
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w18						
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20						
Total work hou	urs on this job this date		120	Were there any loss time accidents this date?		
Cumulative tot	al of work hours from previous repor	t	4080	Yes No		
Total work hou	ars from start of project		4200	If yes, attach summary of incident or OSHA	report	
HEAVY E	QUIPMENT ON-SITE: (typ	e, model, source [renta	l/own], su	ibcontractor owned/operated)		
N	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departed for field

1200 - Break for lunch

1230 - Return to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: <u>26</u>
Transects to Date: <u>619</u>

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00

### SAFETY INSPECTION RESULTS AND COMMENTS

### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.

Eugene Bowekaty returned to work.

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02	<b>Project Location:</b> Ft Wingate, New Mexico <b>PIKA Project Number:</b> 08-12-137
OTHER REMARKS	
VERIFICATION BY FIELD SUPERINTENDENT: The above repor	t is, to the best of my knowledge, complete and correct.
Caffred Mayard	
SIGNATURE: DATE:	9/9//08



PIKA Project Manager: Corey Woods		Date:	Date: 9/10/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny		TEM	TEMPERATURE: High: 70 Low: 46			
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD	):	u u			
* Continue	Kick out /Transect Investigat	ion				
Continue	Kick Out / Transect investigat	1011				
DEDSONN	EL ON-SITE					
		- A.A			- · · · · ·	
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/10/08	
2	John Reott	SSHO/QC	10	PIKA	9/10/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/10/08 9/10/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA		
5	John Clifford	Tech 2	10	PIKA	9/10/08	
6	Joel Pullem	Tech 2	10	PIKA	9/10/08	
7	Thomas Holland	Tech 1	10	PIKA	9/10/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/10/08	
9	Michael Bradford	Tech 1	10	PIKA	9/10/08	
10	Michael Ahmu	Tech 1	10	PIKA	9/10/08	
11	Geneneve Pino	Archeologist	10	Navaho Tribes	9/10/08	
12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/10/08	
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w18						
19						
20						
Total models have	yes on this ich this data		100	Word thougany loss time assidents this det	59	
Total work hours on this job this date		120	Were there any loss time accidents this date?  Yes  No			
Cumulative total of work hours from previous report  Total work hours from start of project		4200 4320	If yes, attach summary of incident or OSHA report			
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)						
N/A						
I	V/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY 0630 - Task Order and safety meeting at office 0645 – Checking instruments 0700 - Teams departed for field 1200 - Break for lunch 1230 – Return to work 1630 – Return to the office 1700 – Secure for the day Transects Completed: Transects to Date: 656 VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Grids QC checked: 00 Grids QA checked: 00 00 Total Grids: **Total Grids:** 00 SAFETY INSPECTION RESULTS AND COMMENTS **CHANGE ORDER(S): NA** Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS USACOE Safety Representative/Harmon Slappy on site. SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Name: Kick out Investigation** 

## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:9/10//08



PIKA Project Manager: Corey Woods		Date:	Date: 9/11/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 70 Low: 48		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD):					
* Continue	Kick out /Transect Investigation	On .				
Continue	Trick out / Transcet investigation	<u> </u>				
PERSONN	EL ON-SITE					
		Dogistor	IIama	EMDI OXED	DATE	
Number 1	Name Dewey Thedford	Position SUXOS	Hours 10	EMPLOYER PIKA	<b>DATE</b> 9/11/08	
2	John Reott	SSHO/QC	10	PIKA	9/11/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/11/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/11/08	
5	John Clifford	Tech 2	10	PIKA	9/11/08	
6	Joel Pullem	Tech 2	10	PIKA	9/11/08	
-	Thomas Holland	Tech 1	10	PIKA	9/11/08	
7	Dennis Anaya	Tech 1	10	PIKA	9/11/08	
8	Michael Bradford	Tech 1	10	PIKA	9/11/08	
9	Michael Ahmu	Tech 1	10	PIKA	9/11/08	
10	Curtis Yazzie	Archeologist	10	Navaho Tribes	9/11/08	
11 12	Eugene Bowekaty	Archeologist	10	Zuni Tribes	9/11/08	
13	Eugene Bowekaty	Archeologist	10	Zum mocs	9/11/00	
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w18						
19						
20						
Total work hours on this job this date			120	Were there any loss time accidents this date	?	
· · · · · · · · · · · · · · · · · · ·		4320	Yes No			
• •		4440				
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)  N/A						
T	V/1X					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departed for field

1200 - Break for lunch

1230 – Return to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: <u>2</u>
Transects to Date: <u>65</u>

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids: 00 Total Grids: 00

### SAFETY INSPECTION RESULTS AND COMMENTS

### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.

Curtis Yazzie replaced Genevieve Pino as the Navaho representative

Completed 1200' step out investigation along base line between E-64 through E-76 per W/P

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation Pika Contract Number: W912BV-04-D-2016-DY02	<b>Project Location:</b> Ft Wingate, New Mexico <b>PIKA Project Number:</b> 08-12-137
OTHER REMARKS	
VERIFICATION BY FIELD SUPERINTENDENT: The above repor	t is, to the best of my knowledge, complete and correct.
Lafter May and	
SIGNATURE: DATE:	:9/11/08



PIKA Project Manager: Corey Woods		Date:	Date: 9/15/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 74 Low: 41		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD)	:				
* Continue	Kick out /Transect Investigati	on				
Continue	Nick out / Transect investigati	OII				
DEDCOMM	EL ON CITE					
	EL ON-SITE			T		
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/15/08	
2	John Reott	SSHO/QC	10	PIKA	9/15/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/15/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/15/08	
5	John Clifford	Tech 2	10	PIKA	9/15/08	
6	Joel Pullem	Tech 2	10	PIKA	9/15/08	
7	Thomas Holland	Tech 1	10	PIKA	9/15/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/15/08	
9	Michael Ahmu	Tech 1	10	PIKA	9/15/08	
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20						
Total work hours on this job this date		90	Were there any loss time accidents this date?			
Cumulative total of work hours from previous report		4440	Yes No			
			If yes, attach summary of incident or OSHA	A report		
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)  N/A						
1	1/4.1					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office

0645 – Checking instruments

0700 - Teams departed for field

0700 - Depauli Surveyors on site to put in grid stakes in arroyo

1200 - Break for lunch

1230 – Return to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: <u>0</u>
Transects to Date: <u>65</u>

### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00

### SAFETY INSPECTION RESULTS AND COMMENTS

CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.

Tribal representatives will not be on site this week

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



**Project Name: Kick out Investigation** 

## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:9/15/08



PIKA Project Manager: Corey Woods		Date:	Date: 9/16/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	TEMPERATURE: High: 70 Low: 48		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD)	:				
* Continue	Kick out /Transect Investigati	on				
Continue	Rick Out / Transect Investigati	OII				
DEDCOMM	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/16/08	
2	John Reott	SSHO/QC	10	PIKA	9/16/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/16/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/16/08	
5	John Clifford	Tech 2	10	PIKA	9/16/08	
6	Joel Pullem	Tech 2	10	PIKA	9/16/08	
7	Thomas Holland	Tech 1	10	PIKA	9/16/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/16/08	
9	Michael Ahmu	Tech 1	10	PIKA	9/16/08	
10	Wendy Church	Geophysicist	9	PIKA	9/16/08	
11	Eric Stoffel	Geophysicist	9	PIKA	9/16/08	
12	Mike Milne	Tech 1	9	PIKA	9/16/08	
13						
14						
15						
16						
17						
18						
19						
20						
Total work hours on this job this date		117	Were there any loss time accidents this date?			
Cumulative total of work hours from previous report		4530	☐ Yes No			
Total work hours from start of project		4647	If yes, attach summary of incident or OSHA report			
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)						
1	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office.

0645 – Checking instruments.

0700 – Team 1 departed for field to check for any accessible areas on South side.

0800 - EM-62 crew reported onboard.

0805 – Depauli survey crew arrived and departed for arroyo.

0930 – EM-62 crew departed office to GPO area to check instruments.

1200 - Break for lunch

1230 – Return to work

1530 - Depauli completed staking arroyo grid sReturn to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: 19
Transects to Date: 677

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### **QA/QC INSPECTION RESULTS AND COMMENTS**

Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00

Linear feet of QC audit completed: **4010**Total Linear feet of QC audited: **4010** 

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

#### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.

Tribal representatives will not be on site this week



## PIKA International, Inc. Daily Field Activity Report

Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DV02

PIKA Project Number: 08-12-137

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:9/16/08



PIKA Project Manager: Corey Woods			Date:	Date: 9/17/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	PERATURE: High: 75 Low:	42	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD)	:	<u> </u>			
* Continue	Kick out /Transect Investigati	on				
Continue	Rick Out / Hanseet Hivestigati	OII				
DEDSONN	EL ON-SITE					
					- · · · · ·	
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/17/08	
2	John Reott	SSHO/QC	10	PIKA	9/17/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/17/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/17/08	
5	John Clifford	Tech 2	10	PIKA	9/17/08	
6	Joel Pullem	Tech 2	10	PIKA	9/17/08	
7	Thomas Holland	Tech 1	10	PIKA	9/17/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/17/08	
9	Michael Ahmu	Tech 1	10	PIKA	9/17/08	
10	Wendy Church	Geophysicist	10	PIKA	9/17/08	
11	Eric Stoffel	Geophysicist	10	PIKA	9/17/08	
12	Mike Milne	Tech 1	10	PIKA	9/17/08	
13				PIKA	9/17/08	
14						
15						
16						
17						
18						
19						
20						
					•	
	ars on this job this date		120	Were there any loss time accidents this date		
	al of work hours from previous report		4647			
	ors from start of project	dal	4767	If yes, attach summary of incident or OSHA	A report	
	-	e, model, source [rental	i/own], st	ibcontractor owned/operated)		
1	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office.

0645 – Checking instruments.

0700 – Team 1 departed for field to redo East 63 to East 92 transects.

0900 - EM-62 crew departed office to perform QC audits

1200 - Break for lunch

1230 – Return to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: 18 Transects to Date: 695

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

Eric Kirwan approved the use of the EM-61 in the litter mode vice wheel mode to collect data.

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids:  $\underline{00}$  Total Grids:  $\underline{00}$ 

Linear feet of QC audit completed: 5245
Total Linear feet of QC audited: 9255

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

#### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.

#### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

Eric Kirwin, USACE PM, Assist in EM-61 audits, yes.



## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE: 9/17/08



PIKA Project Manager: Corey Woods			Date:	Date: 9/17/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	IPERATURE: High: 75 Lov	v: 42	
SITE COND	OITIONS: Good	th & Safety: Detailed safety brief before fic task/hazardous review at the site.	ore leaving office, site			
GENERAL R	EMARKS – Plan of the Day (PO	D):				
* Continue	Kick out /Transect Investiga	ation				
Continue	Kick out / Hanseet Hivestig	ation				
DEDCOMM	TEL ON CUTE					
PERSONN	EL ON-SITE	<u> </u>		T		
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/18/08	
2	John Reott	SSHO/QC	10	PIKA	9/18/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/18/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/18/08	
5	John Clifford	Tech 2	10	PIKA	9/18/08	
6	Joel Pullem	Tech 2	10	PIKA	9/18/08	
7	Thomas Holland	Tech 1	10	PIKA	9/18/08	
8	Dennis Anaya	Tech 1	10	PIKA	9/18/08	
9	Michael Ahmu	Tech 1	10	PIKA	9/18/08	
10	Wendy Church	Geophysicist	10	PIKA	9/18/08	
11	Eric Stoffel	Geophysicist	10	PIKA	9/18/08	
12	Mike Milne	Tech 1	10	PIKA	9/18/08	
13						
14						
15						
16						
17						
18						
19						
20						
Total work hou	ars on this job this date		120	Were there any loss time accidents this da	ate?	
Cumulative tot	al of work hours from previous rep	ort	4767	Yes	No	
Total work hou	ars from start of project		4887	If yes, attach summary of incident or OSI	HA report	
		pe, model, source [renta		ibcontractor owned/operated)	•	
	N/A	,	-/	• /		



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office.

0645 – Checking instruments.

0700 – Team 1 departed for field to work the western sections

0715 - EM-62 crew departed office to perform QC audits

1200 – Break for lunch

1230 – Return to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: 29 Transects to Date: 724

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids: 00

Linear feet of QC audit completed: 5245
Total Linear feet of QC audited: 9255

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

#### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.

All data collected on Western transects was lost. Corrupted file could not be recovered /converted.

#### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

Eric Kirwin, USACE PM, Assist in EM-61 audits, yes.



## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE: 9/18/08



PIKA Project Manager: Corey Woods  PIKA UXOSOS: John Reott  WEATHER: Sunny  TEMPERATURE: High: 75 Low: 43  SITE CONDITIONS: Good  Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.  GENERAL REMARKS – Plan of the Day (POD):  * Continue Kick out /Transect Investigation  PERSONNEL ON-SITE  Number Name Position Hours EMPLOYER DATE  1 Dewey Thedford SUXOS 10 PIKA 9/22/08 2 John Reott SSHO/QC 10 PIKA 9/22/08 3 Mike Fiedler Tech 3/Team Leader 10 PIKA 9/22/08 4 Cameron Wenzel Tech 3/Team Leader 10 PIKA 9/22/08	site				
WEATHER: Sunny  TEMPERATURE: High: 75 Low: 43  SITE CONDITIONS: Good  Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.  **Continue Kick out /Transect Investigation  **PERSONNEL ON-SITE*  Number Name Position Hours EMPLOYER DATE  1 Dewey Thedford SUXOS 10 PIKA 9/22/08  2 John Reott SSHO/QC 10 PIKA 9/22/08  3 Mike Fiedler Tech 3/Team Leader 10 PIKA 9/22/08	site				
SITE CONDITIONS: Good  Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.  **Continue Kick out /Transect Investigation  **PERSONNEL ON-SITE  Number Name Position Hours EMPLOYER DATE  1 Dewey Thedford SUXOS 10 PIKA 9/22/08  2 John Reott SSHO/QC 10 PIKA 9/22/08  3 Mike Fiedler Tech 3/Team Leader 10 PIKA 9/22/08	site				
# Continue Kick out /Transect Investigation  PERSONNEL ON-SITE  Number Name Position Hours EMPLOYER DATE  1 Dewey Thedford SUXOS 10 PIKA 9/22/08  2 John Reott SSHO/QC 10 PIKA 9/22/08  3 Mike Fiedler Tech 3/Team Leader 10 PIKA 9/22/08	site				
* Continue Kick out /Transect Investigation  PERSONNEL ON-SITE  Number Name Position Hours EMPLOYER DATE  1 Dewey Thedford SUXOS 10 PIKA 9/22/08  2 John Reott SSHO/QC 10 PIKA 9/22/08  3 Mike Fiedler Tech 3/Team Leader 10 PIKA 9/22/08					
PERSONNEL ON-SITE           Number         Name         Position         Hours         EMPLOYER         DATE           1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
PERSONNEL ON-SITE           Number         Name         Position         Hours         EMPLOYER         DATE           1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
Number         Name         Position         Hours         EMPLOYER         DATE           1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
Number         Name         Position         Hours         EMPLOYER         DATE           1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
Number         Name         Position         Hours         EMPLOYER         DATE           1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
Number         Name         Position         Hours         EMPLOYER         DATE           1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
1         Dewey Thedford         SUXOS         10         PIKA         9/22/08           2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08	E				
2         John Reott         SSHO/QC         10         PIKA         9/22/08           3         Mike Fiedler         Tech 3/Team Leader         10         PIKA         9/22/08					
3 Mike Fiedler Tech 3/Team Leader 10 PIKA 9/22/08					
5 Thomas Holland Tech 1 10 PIKA 9/22/08					
6 Dennis Anaya Tech 1 10 PIKA 9/22/08					
7 Michael Ahmu Tech 1 10 PIKA 9/22/08					
8 Eric Stoffel Geophysicist 10 PIKA 9/22/08					
9 Mike Milne Tech 1 10 PIKA 9/22/08					
10   Teeli 1   10   Tiexi   7/22/00					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Total work hours on this job this date 90 Were there any loss time accidents this date?					
Cumulative total of work hours from previous report  4887 Yes No					
Total work hours from start of project  4977 If yes, attach summary of incident or OSHA report					
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)					
N/A					
IV/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office.

0645 – Checking instruments.

0700 - Team 1 & EM-61 crews departed for field

0715 – EM-62 crew collecting data for QC audits on South Transects

1200 - Break for lunch

1230 – Return to work

1630 – Return to the office

1700 – Secure for the day

Transects Completed: 29 Transects to Date: 724

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked:  $\underline{00}$  Grids QA checked:  $\underline{00}$  Total Grids: 00

Linear feet of QC audit completed: 8400 Total Linear feet of QC audited: 17655

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out QC audits and anomaly investigations

#### **NOTES/COMMENTS**

USACOE Safety Representative/Harmon Slappy on site.

### SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE: 9/22/08



PIKA Project Manager: Corey Woods			Date:	Date: 9/23/2008		
SUXOS: Dewey Thedford			PIKA	A UXOSOS: John Reott		
WEATHER: Sunny			TEM	IPERATURE: High: 76 Low	: 40	
SITE CONDITIONS: Good  Health & Safety: Detailed safety brief before leading specific task/hazardous review at the site.				re leaving office, site		
GENERAL R	EMARKS – Plan of the Day (POD)	:				
* Continue	Anomaly Investigations					
Continue	Anomary investigations					
PERCONN	THE ONL CHINE					
PERSONN	EL ON-SITE			I		
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	9/23/08	
2	John Reott	SSHO/QC	10	PIKA	9/23/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/23/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/23/08	
5	Thomas Holland	Tech 1	10	PIKA	9/23/08	
6	Dennis Anaya	Tech 1	10	PIKA	9/23/08	
7	Michael Ahmu	Tech 1	10	PIKA	9/23/08	
8	Eric Stoffel	Geophysicist	10	PIKA	9/23/08	
9	Mike Milne	Tech 1	10	PIKA	9/23/08	
10						
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16						
17						
18						
19						
20						
Total work hou	ars on this job this date		90	Were there any loss time accidents this date?		
Cumulative tot	al of work hours from previous repor	t	4977	Yes N	0	
Total work hou	ars from start of project		5067	If yes, attach summary of incident or OSH	A report	
HEAVY E	QUIPMENT ON-SITE: (typ	e, model, source [renta	l/own], st	abcontractor owned/operated)		
1	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office.

0645 – Checking instruments.

0700 - Team 1 & EM-61 crew departed for field

0715-EM-61 crew collecting data for QC audits

Team 2 investigating anomalies

1000 – Hertz picked up ATV's

1200 - Break for lunch

1230 – Return to work 1600 – EM-61 completed data collection

1630 – Return to the office

1700 - Secure for the day

Transects Completed: 29
Transects to Date: 724

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

USACOE/Eric Kirwin/PM is satisfied data points are IAW WP and no Surveyors are required.

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00

Linear feet of QC audit completed: 1400 Total Linear feet of QC audited: 19055

### SAFETY INSPECTION RESULTS AND COMMENTS

### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out QC audits and anomaly investigations

#### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.

MD/Non-MD will remain in Igloo B-1039



## PIKA International, Inc. Daily Field Activity Report

Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

MEC will be turned over to FWAD caretaker personnel

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE: 9/23/08



PIKA Project Manager: Corey Woods			Date:	Date: 9/24/2008		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott		
WEATHER: Sunny			TEM	IPERATURE: High: 76 Low:	40	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before fic task/hazardous review at the site.	e leaving office, site	
GENERAL R	EMARKS – Plan of the Day (POD):					
* Continue	Kick out /Transect Investigati	on				
Continue	Rick Out / Transect Hivestigati	OII				
PERSONN	EL ON-SITE					
		Dogition	Hanna	EMBLOVED	DATE	
Number 1	Name	Position SUXOS	Hours	EMPLOYER PIKA	<b>DATE</b> 9/24/08	
2	Dewey Thedford John Reott	SSHO/QC	10	PIKA	9/24/08	
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/24/08	
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/24/08	
5	Thomas Holland	Tech 1	10	PIKA	9/24/08	
6	Dennis Anaya	Tech 1	10	PIKA	9/24/08	
7	Michael Ahmu	Tech 1	10	PIKA	9/24/08	
8	Eric Stoffel	Geophysicist	10	PIKA	9/24/08	
9	Mike Milne	Tech 1	10	PIKA	9/24/08	
10	Winte Willie	100111	10	111111	<i>7/21/00</i>	
11						
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14						
15						
16						
17						
18						
19						
20						
	urs on this job this date		90	Were there any loss time accidents this date		
	al of work hours from previous report		5067	Yes No		
	ars from start of project		5157	If yes, attach summary of incident or OSHA	A report	
	-	e, model, source [renta	l/own], su	ibcontractor owned/operated)		
1	N/A					



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office.

0645 – Checking instruments.

0700 - Team 2 departed for field

0730 – Team 2 investigating EM-61 hits

1200 - Break for lunch

1230 – Return to work

1245 – EM-61 crew reacquiring anomalies on East side no contacts

Team 1 providing Ordnance avoidance for EM-61 crew

1615 – Team 2 completed anomaly investigations

EM-61 crew completed reacquiring data.

1630 – Return to the office

1700 – Secure for the day

Transects Completed: 29 Transects to Date: 724

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### **QA/QC INSPECTION RESULTS AND COMMENTS**

Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00

Linear feet of QC audit completed: <u>0</u>
Total Linear feet of QC audited: 19055

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Completed all operations

#### **NOTES/COMMENTS**

USACOE Safety Representative/Harmon Slappy on site.



## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

PIKA Project Number: 08-12-137

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE: 9/24/08



PIKA Project Manager: Corey Woods			Date:	Date: 9/25/2008			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Reott			
WEATHER: Sunny			TEM	IPERATURE: High: 75 Low	: 40		
SITE COND	DITIONS: Good			<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL R	EMARKS – Plan of the Day (POD)	:					
* Continue	Viels out /Transact Investigat	ion					
* Continue	Kick out /Transect Investigat	1011					
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	9/25/08		
2	John Reott	SSHO/QC	10	PIKA	9/25/08		
3	Mike Fiedler	Tech 3/Team Leader	10	PIKA	9/25/08		
4	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	9/25/08		
5	Thomas Holland	Tech 1	10	PIKA	9/25/08		
6	Dennis Anaya	Tech 1	10	PIKA	9/25/08		
7	Michael Ahmu	Tech 1	10	PIKA	9/25/08		
8	Eric Stoffel	Geophysicist	10	PIKA	9/25/08		
9	Mike Milne	Tech 1	10	PIKA	9/25/08		
10	WHIRE WHITE	Teen 1	10	11171	7/23/00		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Total work hou	ars on this job this date	<u> </u>	90	Were there any loss time accidents this dat	re?		
	al of work hours from previous repor	t	5157	Yes No			
	urs from start of project	ı	5247	If yes, attach summary of incident or OSH			
		e model source (rente		ibcontractor owned/operated)	11 10poit		
	V/A	e, moder, source frema					
1	1/11						
1							



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Task Order and safety meeting at office.

0645 – Started packing instruments and gear for shipment to Stafford.

0800 – R & R Trucking arrived on-site to pick up Demolition materials

0930 - R & R completed load-out and departed FT Wingate

1000 - Keys from BIA are returned by Mike Feidler

1200 - Break for lunch

1230 - Return to work

1245 – Cleaning vehicles for turn in to Enterprise

1300 - Turned over MEC items to FWAD personnel Mike Scoville/Mike Chee

1630 – Return to the office

1700 - Secure for the day/Tasks completed

Transects Completed: 29
Transects to Date: 724

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

Grids QC checked: 00 Grids QA checked: 00 Total Grids: 00 Total Grids: 00

Linear feet of QC audit completed:  $\underline{0}$ Total Linear feet of QC audited:  $\underline{19055}$ 

### SAFETY INSPECTION RESULTS AND COMMENTS

#### CHANGE ORDER(S): NA

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Completed all operations

#### NOTES/COMMENTS

USACOE Safety Representative/Harmon Slappy on site.



## PIKA International, Inc. Daily Field Activity Report

Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DV02

PIKA Project Number: 08-12-137

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE: 9/25/08



PIKA Project Manager: Corey Woods			Date	Date: 3/31/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	IPERATURE: High: 54 Low	: 21	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before nazardous review at the site.	ore leaving office, site specific	
GENERAL R	EMARKS – Plan of the Day (PC	OD):				
* Kick Off	Meeting					
TRICK OIL	Wiccing					
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	3/31/09	
2	John Kochefko	SSHO/QC	10	PIKA	3/31/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	3/31/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	3/31/09	
5	John Reott	Tech 2	10	PIKA	3/31/09	
6	Mark Dalton	Tech 2	10	PIKA	3/31/09	
7	Justin Ellis	Tech 1	10	PIKA	3/31/09	
8	Dennis Anaya	Tech 1	10	PIKA	3/31/09	
9	Brandon Guthrie	Tech 1	10	PIKA	3/31/09	
10	Mathew Thompson	Tech 1	10	PIKA	3/31/09	
11	Austin Galusha	Tech 1	10	PIKA	3/31/09	
12	Ty Hetzel	Tech 1	10	PIKA	3/31/09	
13	Eugene Bowekaty	Archeologist	10	Zuni Tribes	3/31/09	
14	Paul Hanneman	PM	10	PIKA	3/31/09	
15	Cory Woods	PM	10	PIKA	3/31/09	
16	Wendy Church	Geophysicist	10	PIKA	3/31/09	
17						
18						
19						
20						
	urs on this job this date		160	Were there any loss time accidents this da		
	tal of work hours from previous re	port	5247		No	
	urs from start of project	rma madal carres [4-	5407	If yes, attach summary of incident or OSI	1A report	
	_	type, modei, source [renta	ı⁄own], St	ibcontractor owned/operated)		
	N/A					



WORK PERFORMED TODAY

# PIKA International, Inc. Daily Field Activity Report

0730 – Personnel mustered at Bldg 30 for in-briefs 0800 – SUXOS/Safety/Team Leaders attended kick off meeting by Paul Hanneman and Corps PM and Safety 0900 – Paul/Doc/Wendy/Team Leaders went to site to walk no access areas from previous efforts Teams started equipment check out and setting up Team gear 1200 – Break for lunch 1230 – Return to work Teams continuing gear load outs 1400 – Personnel returned from field 1700 – Secure for the day  Transects Completed: 00 Transects to Date: 726
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
INTEGREGATION CONTRIBUTION CANDIOD DOMENTO A PROPERTY OF THE CONTRIBUTION CANDIOD DOMESTICAL PROPERTY OF THE CONTRIBUTION CANDIOD CANDI
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
·
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Commence Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
2 · -2 · · · · · · · · · · · ·



Project Name: Kick out Investigation
Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS
Computer problems have plagued us upon start-up again. Laptop sent from Stafford
We had a problem with maps. The points did not line up from previous maps. The East side was shifted approximately 200/300 feet to the East.

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:3/31/09



PIKA Project Manager: Corey Woods		Date:	Date: 4/1/09				
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko			
WEATHER: Cloudy			TEM	PERATURE: High: 51 Low: 2	20		
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before nazardous review at the site.	e leaving office, site specific		
GENERAL R	EMARKS – Plan of the Day (POD)	:					
We started t	ransect investigations from th	e original starting points	and work	ting inboard towards OB/OD ground	8		
we started t	ransect investigations from the	c original starting points	and work	ting inboard towards OB/OD ground	<b>3.</b>		
DEDSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	4/1/09		
2	John Kochefko	SSHO/QC	10	PIKA	4/1/09		
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/1/09		
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/1/09		
5	John Reott	Tech 2	10	PIKA	4/1/09		
6	Mark Dalton	Tech 2	10	PIKA	4/1/09		
7	Justin Ellis	Tech 1	10	PIKA	4/1/09		
8	Dennis Anaya	Tech 1	10	PIKA	4/1/09		
9	Brandon Guthrie	Tech 1	10	PIKA	4/1/09		
10	Mathew Thompson	Tech 1	10	PIKA	4/1/09		
11	Austin Galusha	Tech 1	10	PIKA	4/1/09		
12	Ty Hetzel	Tech 1	10	PIKA	4/1/09		
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/1/09		
14	Curtis Yazzie	Navajo Rep	10	Navajo Nation	4/1/09		
15	Cory Woods	PM	10	PIKA	4/1/09		
16	Wendy Church	Geophysicist	10	PIKA	4/1/09		
17							
18							
19							
20							
Total work hou	urs on this job this date		160	Were there any loss time accidents this date			
Cumulative tot	al of work hours from previous repor	t	5407	Yes No			
	ars from start of project		5567	If yes, attach summary of incident or OSHA	A report		
	· -			ibcontractor owned/operated)			
(	One ATV was delivered bbuut gear sl	nifter broke when moving to bu	iilding 33. W	Ve will operate without any ATV's.			



WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations
Transects Completed: 21 Transects to Date: 747
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s): Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Commence Kick out investigations
NOTES/COMMENTS
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation
Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS
The laptop sent from Stafford has gone down. We are on the phone with Jessie trying to resolve problem.
A new laptop will be sent overnight to replace original laptop. Hard drive collapsed.

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/1/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/2/09			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko			
WEATHER: Cloudy			TEM	IPERATURE: High: 62 Low	: 28		
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before hazardous review at the site.	ore leaving office, site specific		
GENERAL R	EMARKS – Plan of the Day (PC	OD):	·				
We started	transect investigations from	the original starting points	and work	king inboard towards OB/OD groun	ids.		
PERSONN	EL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	4/2/09		
2	John Kochefko	SSHO/QC	10	PIKA	4/2/09		
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/2/09		
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/2/09		
5	John Reott	Tech 2	10	PIKA	4/2/09		
6	Mark Dalton	Tech 2	10	PIKA	4/2/09		
7	Justin Ellis	Tech 1	10	PIKA	4/2/09		
8	Dennis Anaya	Tech 1	10	PIKA	4/2/09		
9	Brandon Guthrie	Tech 1	10	PIKA	4/2/09		
10	Mathew Thompson	Tech 1	10	PIKA	4/2/09		
11	Austin Galusha	Tech 1	10	PIKA	4/2/09		
12	Ty Hetzel	Tech 1	10	PIKA	4/2/09		
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/2/09		
14	Curtis Yazzie	Navajo Rep	10	Navajo Nation	4/2/09		
15	Wendy Church	Geophysicist	10	PIKA	4/2/09		
16							
17							
18							
19							
20							
Total work ho	urs on this job this date		150	Were there any loss time accidents this da	nte?		
	tal of work hours from previous re	port	5567		No		
	urs from start of project	F	5717	If yes, attach summary of incident or OSI			
		type, model, source [renta		ubcontractor owned/operated)	•		



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

### WORK PERFORMED TODAY 0630 - Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 - Break for lunch 1230 – Return to work 1600 – Personnel returned from field Downloading and cleaning equipment 1700 – Secure for the day Transects Completed: Transects to Date: VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS QA/QC INSPECTION RESULTS AND COMMENTS Linear feet of QC audits completed: Total linear feet of OC audits: 19055 SAFETY INSPECTION RESULTS AND COMMENTS **CHANGE ORDER(S): NA** Original Scope: Proposed Change(s): Rational for Change(s): Approved by: COMING WORK PREPARATIONS AND ARRANGEMENTS Continue Kick out investigations NOTES/COMMENTS Received new laptop from Stafford. Checked out and running well. Slow data transfer when performing corrections to data. Wendy is looking into problem. SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



## PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/2/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/3/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Cloudy			TEM	IPERATURE: High: 56 Low	: 25	
SITE CONDITIONS: Good				th & Safety: Detailed safety brief before hazardous review at the site.	ore leaving office, site specific	
GENERAL R	EMARKS – Plan of the Day (PC	OD):				
Continue T	ransect investigations					
	<u> </u>					
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/3/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/3/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/3/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/3/09	
5	John Reott	Tech 2	10	PIKA	4/3/09	
6	Mark Dalton	Tech 2	10	PIKA	4/3/09	
7	Justin Ellis	Tech 1	10	PIKA	4/3/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/3/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/3/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/3/09	
11	Austin Galusha	Tech 1	10	PIKA	4/3/09	
12	Ty Hetzel	Tech 1	10	PIKA	4/3/09	
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/3/09	
14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/3/09	
15						
16						
17						
18						
19						
20						
TD ( 1 1 1 1	4: '14' 14		4.40	W d l d d d d d	4.0	
	urs on this job this date	n out	140	Were there any loss time accidents this date?  Yes  No		
	tal of work hours from previous re urs from start of project	роп	5717 5857	Yes If yes, attach summary of incident or OSI	No AA raport	
		vna modal course fronts		abcontractor owned/operated)	ла героп	
IIEAVIE	QUITMENT ON-SITE: (I	ype, mouer, source frenta	i/OWIIJ, SU	ibcontractor owned/operated)		



WORK PERFORMED TODAY							
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 – Break for lunch 1230 – Return to work 1530 – Personnel returned from field Downloading and cleaning equipment Field day and equipment/vehicle maintenance 1700 – Secure for the day							
Transects Completed: 29							
Transects to Date: 800							
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED							
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS							
QA/QC INSPECTION RESULTS AND COMMENTS							
Linear feet of QC audits completed: 0							
Total linear feet of QC audits: 19055							
SAFETY INSPECTION RESULTS AND COMMENTS							
CHANGE ORDER(S): NA							
Original Scope:							
Proposed Change(s):							
Rational for Change(s):							
Approved by:							
COMING WORK PREPARATIONS AND ARRANGEMENTS							
Continue Kick out investigations							
NOTES/COMMENTS							
NOTES/COMMENTS							
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)							
VISITORS. (Exame, Title, Reason for Visit, Trained on Fist.)							
The state of the s							
The state of the s							



Project Name: Kick out Investigation
Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS
Personnel are getting acclimatized to site conditions and no problems to date

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/3/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/6/09			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko			
WEATHER: Sunny			TEM	<b>TEMPERATURE:</b> High: 65 Low: 23			
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL R	EMARKS – Plan of the Day (POD)	:					
Continue Tr	ansect investigations						
PERSONN	EL ON-SITE						
		Dogition	II	EMPLOYER	DATE		
Number 1	Name Dewey Thedford	Position SUXOS	Hours 10	PIKA	4/6/09		
2	John Kochefko	SSHO/QC	10	PIKA	4/6/09		
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/6/09		
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/6/09		
5	John Reott	Tech 2	10	PIKA	4/6/09		
6	Mark Dalton	Tech 2	10	PIKA	4/6/09		
7	Justin Ellis	Tech 1	10	PIKA	4/6/09		
8	Dennis Anaya	Tech 1	10	PIKA	4/6/09		
9	Brandon Guthrie	Tech 1	10	PIKA	4/6/09		
10	Mathew Thompson	Tech 1	10	PIKA	4/6/09		
11	Austin Galusha	Tech 1	10	PIKA	4/6/09		
12	Ty Hetzel	Tech 1	10	PIKA	4/6/09		
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/6/09		
14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/6/09		
15	Jim King	Project Coordinator	10	PIKA	4/6/09		
16	-						
17							
18							
19							
20							
Total work hours on this job this date			150	Were there any loss time accidents this date?			
Cumulative total of work hours from previous report			5857	Yes No			
Total work hours from start of project			6007	If yes, attach summary of incident or OSHA report			
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)							



WORK PERFORMED TODAY							
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 – Break for lunch 1230 – Return to work 1600 – Personnel returned from field 1700 – Secure for the day  Transects Completed: 23 Transects to Date: 823							
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED							
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS							
UNFORESEEN SITE CONDITIONS AND/OR FOTENTIAL FRODEINS							
QA/QC INSPECTION RESULTS AND COMMENTS							
Linear feet of QC audits completed: 0							
Total linear feet of QC audits: 19055							
SAFETY INSPECTION RESULTS AND COMMENTS							
CHANGE ORDER(S): NA							
Original Scope:  Proposed Change(s):							
Rational for Change(s):							
Approved by:							
COMING WORK PREPARATIONS AND ARRANGEMENTS							
Continue Kick out investigations							
Continue Mex out investigations							
NOTES/COMMENTS							
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)							
SITE VISITORS: (IVAIRE, TRIE, REASON FOR VISIL, TRAIREU OR FISE?)							



Project Name: Kick out Investigation
Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS
John Reott suffered heat stress and was brought back to office for evaluation. He was monitored by Justin Ellis, a qualified EMT, and first aid administered immediately. A near miss report was filled out and forwarded to Drew Bryson.

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/6/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/7/09			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko			
WEATHER: Sunny			TEM	TEMPERATURE: High: 72 Low: 17			
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.			
GENERAL R	EMARKS – Plan of the Day (Po	OD):					
Continue T	ransect investigations						
Continue	runseet myestigations						
PERSONN	IEL ON-SITE						
Number	Name	Position	Hours	EMPLOYER	DATE		
1	Dewey Thedford	SUXOS	10	PIKA	4/7/09		
2	John Kochefko	SSHO/QC	10	PIKA	4/7/09		
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/7/09		
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/7/09		
5	John Reott	Tech 2	2	PIKA	4/7/09		
6	Mark Dalton	Tech 2	10	PIKA	4/7/09		
7	Justin Ellis	Tech 1	10	PIKA	4/7/09		
8	Dennis Anaya	Tech 1	10	PIKA	4/7/09		
9	Brandon Guthrie	Tech 1	10	PIKA	4/7/09		
10	Mathew Thompson	Tech 1	10	PIKA	4/7/09		
11	Austin Galusha	Tech 1	10	PIKA	4/7/09		
12	Ty Hetzel	Tech 1	10	PIKA	4/7/09		
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/7/09		
14	Curtis Yazzie	Navajo Rep	10	Navajo Nation	4/7/09		
15	Jim King	Project Coordinator	10	PIKA	4/7/09		
16							
17							
18							
19							
20							
m . 1 . 1 . 1							
Total work hours on this job this date			142	Were there any loss time accidents this date?			
Cumulative total of work hours from previous report			6007	Yes No			
Total work hours from start of project  HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/o			6149	If yes, attach summary of incident or OS	па терогі		
HEAVYE	QUITMENT ON-SITE: (	type, mouer, source frenta	i/OWNJ, SU	ibcontractor owned/operated)			



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Conducted Task Order and Safety briefing

0645 - Teams conducting load out of gear and Instrument checks

0715 – Teams departed to field to commence transect investigations

1200 - Break for lunch

1230 – Return to work

1600 - Personnel returned from field

1700 – Secure for the day

Transects Completed: 17
Transects to Date: 840

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### QA/QC INSPECTION RESULTS AND COMMENTS

Linear feet of QC audits completed: 0

Total linear feet of QC audits: 19055

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### **CHANGE ORDER(S): NA**

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Continue Kick out investigations

#### **NOTES/COMMENTS**

Reott was out sick today He attended the morning Safety brief and stayed for 2 hours and then went to his hotel to rest. Called him at 1400 and he was doing ok. Will return to work tomorrow.

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/7/09



SUXOS: Dewey Thedford  WEATHER: Sunny  TEMPERATURE: High: 68 Low: 29  SITE CONDITIONS: Good  Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.  GENERAL REMARKS – Plan of the Day (POD):  Continue Transect investigations	PIKA Project Manager: Corey Woods			Date:	Date: 4/8/09		
SITE CONDITIONS: Good  Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.  GENERAL REMARKS – Plan of the Day (POD):	SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
GENERAL REMARKS – Plan of the Day (POD):  task/hazardous review at the site.	WEATHER: Sunny			TEM	TEMPERATURE: High: 68 Low: 29		
	SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
Continue Transect investigations	GENERAL R	EMARKS – Plan of the Day (POD)	):				
	Continue Tr	ransect investigations					
PERSONNEL ON-SITE	PERSONN	EL ON-SITE					
Number Name Position Hours EMPLOYER DATE	Number	Name	Position	Hours	EMPLOYER	DATE	
1 Dewey Thedford SUXOS 10 PIKA 4/8/09							
2 John Kochefko SSHO/QC 10 PIKA 4/8/09	2	· ·					
3 Cameron Wenzel Tech 3/Team Leader 10 PIKA 4/8/09	3			10		4/8/09	
4 Mike Fiedler Tech 3/Team Leader 10 PIKA 4/8/09	4					4/8/09	
5 John Reott Tech 2 10 PIKA 4/8/09	5	John Reott		10		4/8/09	
6 Mark Dalton Tech 2 10 PIKA 4/8/09	6						
7 Justin Ellis Tech 1 10 PIKA 4/8/09	7				I .		
8 Dennis Anaya Tech 1 10 PIKA 4/8/09	8		Tech 1	10	PIKA	4/8/09	
9 Brandon Guthrie Tech 1 10 PIKA 4/8/09		·	Tech 1	10	PIKA	4/8/09	
10         Mathew Thompson         Tech 1         10         PIKA         4/8/09	10	Mathew Thompson	Tech 1	10	PIKA	4/8/09	
11         Austin Galusha         Tech 1         10         PIKA         4/8/09	11	Austin Galusha	Tech 1	10	PIKA	4/8/09	
12         Ty Hetzel         Tech 1         10         PIKA         4/8/09	12	Ty Hetzel	Tech 1	10	PIKA	4/8/09	
13 Eugene Bowekaty Zuni Rep 10 Zuni Nation 4/8/09	13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/8/09	
14Patricia CheeNavajo Rep10Navajo Nation4/8/09	14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/8/09	
15 Jim King Project Coordinator 10 PIKA 4/8/09	15	Jim King	Project Coordinator	10	PIKA	4/8/09	
16	16						
17	17						
18	18						
19	19						
20	20						
Total work hours on this job this date 150 Were there any loss time accidents this date?		<u> </u>					
			t		Yes No		
	* *			•	HA report		
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subcontractor owned/operated)	HEAVY E	QUIPMENT ON-SITE: (typ	e, model, source [renta	I/own], st	ibcontractor owned/operated)		



WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 – Break for lunch 1230 – Return to work 1600 – Personnel returned from field 1700 – Secure for the day  Transects Completed: 25
Transects to Date: 865
VEDDAL OD WINDEREN INGERNIGENONG GWEN OD DEGRAVED
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s): Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
Continue Rick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

Issued keys to Cibola National Forest gates by Fern Becenti/USDI/BIA representative

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/8/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/9/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	<b>TEMPERATURE:</b> High: 70 Low: 33		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD)	:				
Continue Tr	ransect investigations					
Commuc 11	unseet myesugurons					
PERSONN	EL ON-SITE					
		D '''	***	EMBLOVED	DATE	
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/9/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/9/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/9/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/9/09	
5	John Reott	Tech 2	10	PIKA	4/9/09	
6	Mark Dalton	Tech 2	10	PIKA	4/9/09	
7	Justin Ellis	Tech 1	10	PIKA	4/9/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/9/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/9/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/9/09	
11	Austin Galusha	Tech 1	10	PIKA	4/9/09	
12	Ty Hetzel	Tech 1	10	PIKA	4/9/09	
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/9/09	
14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/9/09	
15	Jim King	Project Coordinator	10	PIKA	4/9/09	
16						
17						
18						
19						
20						
Total work hours on this job this date		150	Were there any loss time accidents this date?			
Cumulative total of work hours from previous report		6299	☐ Yes ☐ No			
		6449	If yes, attach summary of incident or OSHA	report		
HEAVY E	QUIPMENT ON-SITE: (typ	e, model, source [renta	l/own], su	ibcontractor owned/operated)		



WORK PERFORMED TODAY

# PIKA International, Inc. Daily Field Activity Report

0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 – Break for lunch 1230 – Return to work 1530 – Personnel returned from field Field Day and Equipment/Vehicle maintenance 1700 – Secure for the day  Transects Completed: 24 Transects to Date: 889
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
UNTUKESEEN SITE CUNDITIONS AND/OK PUTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:  Proposed Change(s):
Proposed Change(s):  Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)
STIL VISITORS. (Maine, Thie, Reason for Visit, Trained on HSP.)



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/9/09



PIKA Project Manager: Corey Woods		Date:	Date: 4/13/09			
SUXOS: Dewey Thedford		PIKA	PIKA UXOSOS: John Kochefko			
WEATHER: Sunny		TEM	TEMPERATURE: High:68 Low: 28			
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	REMARKS – Plan of the Day (Po	OD):	ı			
Continue T	ransect investigations					
Continue	ranseet investigations					
PERSONN	IEL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/13/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/13/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/13/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/13/09	
5	John Reott	Tech 2	10	PIKA	4/13/09	
6	Mark Dalton	Tech 2	10	PIKA	4/13/09	
7	Justin Ellis	Tech 1	10	PIKA	4/13/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/13/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/13/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/13/09	
11	Austin Galusha	Tech 1	10	PIKA	4/13/09	
12	Ty Hetzel	Tech 1	10	PIKA	4/13/09	
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/13/09	
14	Curtis Yazee	Navajo Rep	10	Navajo Nation	4/13/09	
15	Jim King	Project Coordinator	10	PIKA	4/13/09	
16						
17						
18						
19						
20						
m . 1 . 1 1			4-0			
	urs on this job this date					
	tal of work hours from previous re	eport	6449	Yes No		
Total work hours from start of project 6599  HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own],				If yes, attach summary of incident or OS	па терогі	
HEAVY E	QUITMENT ON-SITE: (	type, mouer, source frenta	i/OWNJ, St	ibcontractor owned/operated)		



WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 – Break for lunch 1230 – Return to work 1600 – Personnel returned from field
1700 – Secure for the day
Transects Completed: 28 Transects to Date: 917
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s): Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation
Project Location: Ft Wingate, New Mexico
Pika Contract Number: W912BV-04-D-2016-DY02
PIKA Project Number: 08-12-137

OTHER REMARKS					
Mike Fiedler/Team Leader and Justin Ellis/EMT qualified UXO Tech 1 expressed their concern about John Reott. He has not shown the physical ability to cope with the extreme demands of transect investigations. He has trouble keeping up and tires easily and the					
Team has to carry his gear out at the close of operations.					
VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.					
Lower 2 Wheel La grand					
West John March					
SIGNATURE: DATE:4/13/09					



PIKA Project Manager: Corey Woods			Date:	Date: 4/14/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	TEMPERATURE: High: 68 Low: 38		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD)	):				
Continue Tr	ansect investigations					
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/14/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/14/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/14/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/14/09	
5	John Reott	Tech 2	4	PIKA	4/14/09	
6	Mark Dalton	Tech 2	10	PIKA	4/14/09	
7	Justin Ellis	Tech 1	10	PIKA	4/14/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/14/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/14/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/14/09	
11	Austin Galusha	Tech 1	10	PIKA	4/14/09	
12	Ty Hetzel	Tech 1	0	PIKA	4/14/09	
13	Eugene Bowekaty	Zuni Rep	0	Zuni Nation	4/14/09	
14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/14/09	
15	Jim King	Project Coordinator	10	PIKA	4/14/09	
16						
17						
18						
19						
20						
	Total work hours on this job this date		124	Were there any loss time accidents this date?		
		6599	Yes No			
Total work hours from start of project 6 HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/ow		6723	If yes, attach summary of incident or OS	HA report		
HEAVY E	QUIPMENT ON-SITE: (typ	e, modei, source [renta	⊬own], st	ibcontractor owned/operated)		



**Project Location:** Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

**Project Name: Kick out Investigation Pika Contract Number**: W912BV-04-D-2016-DY02

WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 – Break for lunch 1230 – Return to work 1600 – Personnel returned from field 1700 – Secure for the day  Transects Completed: 19
Transects to Date: $9\overline{36}$
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
UNFORESEEN SITE CONDITIONS AND/OR FOTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s): Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
Communication on m. conganons
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out InvestigationProject Location: Ft Wingate, New MexicoPika Contract Number: W912BV-04-D-2016-DY02PIKA Project Number: 08-12-137

OTHER REMARKS
Aerotek has John Reott scheduled for a physical exam at 0830 tomorrow morning. He can not return to work until the Aerotek Doctor approves his return
VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.
Colposit Medall
SIGNATURE: DATE:4/14/09



PIKA Project Manager: Corey Woods		Date:	Date: 4/15/09			
SUXOS: Dewey Thedford		PIKA	PIKA UXOSOS: John Kochefko			
WEATHER: Sunny		TEM	TEMPERATURE: High:42 Low: 57			
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	REMARKS – Plan of the Day (Po	OD):	·			
Continue T	ransect investigations					
Continue	ranseet myestigations					
PERSONN	IEL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/15/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/15/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/15/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/15/09	
5	John Reott	Tech 2	0	PIKA	4/15/09	
6	Mark Dalton	Tech 2	10	PIKA	4/15/09	
7	Justin Ellis	Tech 1	10	PIKA	4/15/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/15/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/15/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/15/09	
11	Austin Galusha	Tech 1	10	PIKA	4/15/09	
12	Ty Hetzel	Tech 1	0	PIKA	4/15/09	
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/15/09	
14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/15/09	
15	Jim King	Project Coordinator	10	PIKA	4/15/09	
16	Eric Stoffel	Project Manager	10	PIKA	4/15/09	
17						
18						
19						
20						
	urs on this job this date			140 Were there any loss time accidents this date?		
	Cumulative total of work hours from previous report		6723	Yes No		
Total work hours from start of project 6863 <b>HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own],</b>				If yes, attach summary of incident or OS	HA report	
неаvy е	QUIPMENT ON-SITE: (1	type, modei, source [renta	ı/own], sı	incontractor owned/operated)		



WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 1200 – Break for lunch 1230 – Return to work 1600 – Personnel returned from field
1700 – Secure for the day
Transects Completed: 26 Transects to Date: 962
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s): Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
Continue Mex out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

John Reott passed his Physical and will report to work tomorrow, 4/16/09.

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/15/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/16/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	TEMPERATURE: High:42 Low: 57		
SITE CONDITIONS: Good				th & Safety: Detailed safety brief bef hazardous review at the site.	ore leaving office, site specific	
GENERAL R	REMARKS – Plan of the Day (Po	OD):				
Continue T	ransect investigations					
Continue	ranseet myestigations					
PERSONN	IEL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/16/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/16/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/16/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/16/09	
5	John Reott	Tech 2	10	PIKA	4/16/09	
6	Mark Dalton	Tech 2	10	PIKA	4/16/09	
7	Justin Ellis	Tech 1	10	PIKA	4/16/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/16/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/16/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/16/09	
11	Austin Galusha	Tech 1	10	PIKA	4/16/09	
12	Ty Hetzel	Tech 1	0	PIKA	4/16/09	
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/16/09	
14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/16/09	
15	Jim King	Project Coordinator	10	PIKA	4/16/09	
16	Eric Stoffel	Project Manager	10	PIKA	4/16/09	
17						
18						
19						
20						
Total work hours on this job this date		150	Were there any loss time accidents this date?			
Cumulative total of work hours from previous report		6863	Yes No			
Total work hours from start of project 7  HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/ow			7013			
HEAVY E	QUIPMENT ON-SITE: (1	type, modei, source [renta	ı/own], st	ibcontractor owned/operated)		



WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 0830 – EM-61 crew to field to check out GPO area 1200 – Break for lunch 1230 – Return to work 1545 – Personnel returned from field Equipment/Vehicle inspections and field day 1700 – Secure for the day
Transects Completed: 19 Transects to Date: 981
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
LINIEODECEEN CITE CONDITIONS AND/OD DOTENIOLAL DOODLEMS
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope: Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



Project Name: Kick out Investigation
Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS
John Reott reported for work today and was assigned to help Eric Stoffel with the EM-61 checkout.

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/16/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/20/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	TEMPERATURE: High:76 Low: 39		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	EMARKS – Plan of the Day (POD)	:				
Continue Tr	ansect investigations					
	<u> </u>					
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/20/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/20/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/20/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/20/09	
5	John Reott	Tech 2	10	PIKA	4/20/09	
6	Mark Dalton	Tech 2	10	PIKA	4/20/09	
7	Justin Ellis	Tech 1	10	PIKA	4/20/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/20/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/20/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/20/09	
11	Austin Galusha	Tech 1	10	PIKA	4/20/09	
12	Ty Hetzel	Tech 1	0	PIKA	4/20/09	
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/20/09	
14	Patricia Chee	Navajo Rep	10	Navajo Nation	4/20/09	
15	Jim King	Project Coordinator	10	PIKA	4/20/09	
16	Eric Stoffel	Project Manager	10	PIKA	4/20/09	
17	Mike Milne	EM-61 Operator	10	PIKA	4/20/09	
18	Rusty Tracy	EM-61 Operator	10	PIKA	4/20/09	
19						
20						
Total work hours on this job this date		170	Were there any loss time accidents this date?			
		7013	Yes No			
		7183	If yes, attach summary of incident or OSHA	report		
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own]			I/own], st	ibcontractor owned/operated)		



WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 0730 – EM-61 crew to field to check out GPO area 1100 – EM-61 crew to field to start data collection 1200 – Break for lunch 1230 – Return to work 1615 – Personnel returned from field 1700 – Secure for the day
Transects Completed: 10 Transects to Date: 991
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
INCODECREN CITE CONDITIONS AND/OD DOTENTIAL DROPE ENG
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0
Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s): Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Continue Kick out investigations
NOTES/COMMENTS
Started EM-61 QC operations
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/20/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/21/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	TEMPERATURE: High:76 Low: 37		
SITE CONDITIONS: Good				Health & Safety: Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	REMARKS – Plan of the Day (Po	OD):	·			
Continue T	ransect investigations					
Continue 1	runseet myestigations					
PERSONN	IEL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/21/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/21/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/21/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/21/09	
5	John Reott	Tech 2	10	PIKA	4/21/09	
6	Mark Dalton	Tech 2	10	PIKA	4/21/09	
7	Justin Ellis	Tech 1	10	PIKA	4/21/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/21/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/21/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/21/09	
11	Austin Galusha	Tech 1	10	PIKA	4/21/09	
12	Ty Hetzel	Tech 1	0	PIKA	4/21/09	
13	Eugene Bowekaty	Zuni Rep	10	Zuni Nation	4/21/09	
14	Curtis Yazee	Navajo Rep	10	Navajo Nation	4/21/09	
15	Jim King	Project Coordinator	10	PIKA	4/21/09	
16	Eric Stoffel	Project Manager	10	PIKA	4/21/09	
17	Mike Milne	EM-61 Operator	10	PIKA	4/21/09	
18	Rusty Tracy	EM-61 Operator	10	PIKA	4/21/09	
19						
20						
	Total work hours on this job this date		170	Were there any loss time accidents this date?		
Cumulative total of work hours from previous report		7183	Yes No			
Total work hours from start of project  HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/ov			7353			
неаvy е	QUIPMENT ON-SITE: (	type, modei, source [renta	ı/own], sı	ibcontractor owned/operated)		



**Project Location:** Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

**Project Name: Kick out Investigation Pika Contract Number**: W912BV-04-D-2016-DY02

WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Teams conducting load out of gear and Instrument checks 0715 – Teams departed to field to commence transect investigations 0730 – EM-61 crew to field 1200 – Break for lunch 1230 – Return to work 1615 – Personnel returned from field 1700 – Secure for the day  Transects Completed: 7
Transects to Date: 998
WEDDAL OD WINGTEN INCEDIGENOUS CHARM OD DECEMBED
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
LINEADEGEN GIFE GONDIENONG AND OD DOTENIENA DE CONTRACTOR
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 0  Total linear feet of QC audits: 19055
SAFETY INSPECTION RESULTS AND COMMENTS
SHI BIT INST LETION RESCRIPTION FOR SHIP COMMENTS
CHANGE ORDER(S): NA Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Completed Kick out investigations
NOTES/COMMENTS
110 1 2 DO CONTRACTION
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/21/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/22/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	TEMPERATURE: High:75 Low: 38		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL R	REMARKS – Plan of the Day (Po	OD):				
Reacquire a	and investigate anomalies					
Reacquire	and mivestigate anomanes					
PERSONN	IEL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/22/09	
2	John Kochefko	SSHO/QC	10	PIKA	4/22/09	
3	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/22/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/22/09	
5	John Reott	Tech 2	10	PIKA	4/22/09	
6	Mark Dalton	Tech 2	10	PIKA	4/22/09	
7	Justin Ellis	Tech 1	10	PIKA	4/22/09	
8	Dennis Anaya	Tech 1	10	PIKA	4/22/09	
9	Brandon Guthrie	Tech 1	10	PIKA	4/22/09	
10	Mathew Thompson	Tech 1	10	PIKA	4/22/09	
11	Austin Galusha	Tech 1	10	PIKA	4/22/09	
12	Ty Hetzel	Tech 1	10	PIKA	4/22/09	
13	Eugene Bowekaty	Zuni Rep	0	Zuni Nation	4/22/09	
14	Curtis Yazee	Navajo Rep	0	Navajo Nation	4/22/09	
15	Jim King	Project Coordinator	10	PIKA	4/22/09	
16	Eric Stoffel	Project Manager	10	PIKA	4/22/09	
17	Mike Milne	EM-61 Operator	10	PIKA	4/22/09	
18	Rusty Tracy	EM-61 Operator	10	PIKA	4/22/09	
19						
20						
	Total work hours on this job this date		160	Were there any loss time accidents this date?		
Cumulative total of work hours from previous report		7353	Yes No			
Total work hours from start of project  HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/ov			7513			
неаvy е	QUIPMENT ON-SITE: (1	type, modei, source [renta	ı/own], st	ibcontractor owned/operated)		



WORK PERFORMED TODAY			
0630 – Conducted Task Order and Safety briefing 0645 – Team One conducting load out of gear and Instrument checks for Target Investigations 0800 – EM-61 Team and Team One departed to Reacquire/Investigate anomalies 1200 – Break for lunch 1230 – Return to work 1615 – Personnel returned from field 1700 – Secure for the day			
Transects Completed: 00 Transects to Date: 998			
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED			
LINEODEGEEN GIEE CONDITIONG AND OD DOTENTIAL PROPERTY			
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS			
QA/QC INSPECTION RESULTS AND COMMENTS			
Linear feet of QC audits completed: 4194			
Total linear feet of QC audits: 23249			
SAFETY INSPECTION RESULTS AND COMMENTS			
CHANGE ORDER(S): NA			
Original Scope:  Proposed Change(s):			
Rational for Change(s):			
Approved by:			
COMING WORK PREPARATIONS AND ARRANGEMENTS			
Completed Kick out investigations			
Completed fried out in reduguitons			
NOTES/COMMENTS			
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)			



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/22/09



PIKA Project Manager: Corey Woods			Date:	Date: 4/23/09		
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny			TEM	TEMPERATURE: High:76 Low: 37		
SITE CONDITIONS: Good				<b>Health &amp; Safety:</b> Detailed safety brief before leaving office, site specific task/hazardous review at the site.		
GENERAL F	REMARKS – Plan of the Day (P	OD):	ı			
Collect/Res	acquire and investigate anor	nalies				
Concerne	equire and investigate anot	nanes				
DEDSONN	EL ON-SITE					
				THE PLANT OF THE	D / MD	
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/23/09	
2	John Kochefko Cameron Wenzel	SSHO/QC	10	PIKA	4/23/09	
3		Tech 3/Team Leader	0	PIKA	4/23/09	
4	Mike Fiedler	Tech 3/Team Leader	10	PIKA	4/23/09	
5	John Reott	Tech 2		PIKA	4/23/09	
6	Mark Dalton	Tech 2 Tech 1	10	PIKA PIKA	4/23/09 4/23/09	
7	Justin Ellis	Tech 1		PIKA		
8	Dennis Anaya Brandon Guthrie	Tech 1	0	PIKA	4/23/09 4/23/09	
9		Tech 1	10	PIKA	4/23/09	
10	Mathew Thompson Austin Galusha	Tech 1	10	PIKA	4/23/09	
11 12	Ty Hetzel	Tech 1	10	PIKA	4/23/09	
13	Eugene Bowekaty	Zuni Rep	0	Zuni Nation	4/23/09	
14	Curtis Yazee	Navajo Rep	0	Navajo Nation	4/23/09	
15	Jim King	Project Coordinator	10	PIKA	4/23/09	
16	Eric Stoffel	Project Manager	10	PIKA	4/23/09	
17	Mike Milne	EM-61 Operator	10	PIKA	4/23/09	
18	Rusty Tracy	EM-61 Operator	10	PIKA	4/23/09	
19		1				
20						
*						
Total work ho	otal work hours on this job this date		130	Were there any loss time accidents this d	ate?	
Cumulative total of work hours from previous report		7513	Yes No			
Total work hours from start of project		7643	If yes, attach summary of incident or OS	HA report		
HEAVY EQUIPMENT ON-SITE: (type, model, source [rental/own], subco				-		
	-	, , ,	<b>3</b> / ···			



Project Name: Kick out Investigation Project Location: Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02 PIKA Project Number: 08-12-137

#### WORK PERFORMED TODAY

0630 - Conducted Task Order and Safety briefing

0645 - Team Two conducting load out of gear and Instrument checks for Target Investigations

Team One packing out gear for shipment to Stafford

0800 – EM-61 Team and Team One departed to collect/Reacquire/Investigate anomalies

1200 - Break for lunch

1230 - Return to work

1615 - Personnel returned from field

Completed EM-61 operations

1700 – Secure for the day

Transects Completed: 00
Transects to Date: 998

#### VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED

#### UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS

#### **QA/QC INSPECTION RESULTS AND COMMENTS**

Linear feet of QC audits completed: 2624

Total linear feet of QC audits: 25873

#### SAFETY INSPECTION RESULTS AND COMMENTS

#### **CHANGE ORDER(S): NA**

Original Scope:

Proposed Change(s):

Rational for Change(s):

Approved by:

#### COMING WORK PREPARATIONS AND ARRANGEMENTS

Demobilization

#### **NOTES/COMMENTS**

Completed all operations for Transect Kick-out Investigations

SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



#### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

Pika Contract Number: W912BV-04-D-2016-DY02	PIKA Project Number: 08-12-137
OTHER REMARKS	
VERIFICATION BY FIELD SUPERINTENDENT: The above re	port is, to the best of my knowledge, complete and correct.
SIGNATURE: DA	
Lacksoft Acrawall	
SIGNATURE: DA	TE:4/23/09



PIKA Project Manager: Corey Woods		Date:	Date: 4/24/09			
SUXOS: Dewey Thedford			PIKA	PIKA UXOSOS: John Kochefko		
WEATHER: Sunny		TEM	<b>PERATURE:</b> High: 74 Low: 3.	5		
SITE CONDITIONS: Good			th & Safety: Detailed safety brief before nazardous review at the site.	leaving office, site specific		
GENERAL RI	EMARKS – Plan of the Day (POD	):				
Packing gea	r for shipment to Stafford					
	Airport for FedEx shipping					
Clean and m	nove all gear into one Office	space				
	lows to prevent breakin	-				
PERSONN	EL ON-SITE					
Number	Name	Position	Hours	EMPLOYER	DATE	
1	Dewey Thedford	SUXOS	10	PIKA	4/24/09	
2	Cameron Wenzel	Tech 3/Team Leader	10	PIKA	4/24/09	
3	Brandon Guthrie	Tech 1	10	PIKA	4/24/09	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15 16						
17						
18						
19						
20						
Total work hours on this job this date		30	Were there any loss time accidents this date?			
Cumulative total of work hours from previous report		7513	Yes No			
	rs from start of project		7543	If yes, attach summary of incident or OSHA	report	
HEAVY E	QUIPMENT ON-SITE: (ty)	oe, model, source [renta	l/own], su	abcontractor owned/operated)		
· ·						
			· · · · · · · · · · · · · · · · · · ·			



**Project Location:** Ft Wingate, New Mexico **PIKA Project Number**: 08-12-137

**Project Name: Kick out Investigation Pika Contract Number:** W912BV-04-D-2016-DY02

WORK PERFORMED TODAY
0630 – Conducted Task Order and Safety briefing 0645 – Continued packing gear for shipment to Stafford 1200 – Break for lunch 1230 – Return to work 1600 – Secure for the day
Transects Completed: 00 Transects to Date: 998
VERBAL OR WRITTEN INSTRUCTIONS GIVEN OR RECEIVED
UNFORESEEN SITE CONDITIONS AND/OR POTENTIAL PROBLEMS
OA /OC INCIDE CENON DECINE ES AND CONSTENES
QA/QC INSPECTION RESULTS AND COMMENTS
Linear feet of QC audits completed: 2624
Total linear feet of QC audits: 25873
SAFETY INSPECTION RESULTS AND COMMENTS
CHANGE ORDER(S): NA
Original Scope:
Proposed Change(s):
Rational for Change(s):
Approved by:
COMING WORK PREPARATIONS AND ARRANGEMENTS
Demobilization
NOTES/COMMENTS
Shipping all Trimble items to Stafford foe sorting and ensuring correct items are returned to Western Data
SITE VISITORS: (Name, Title, Reason for visit, Trained on HSP?)



### PIKA International, Inc. Daily Field Activity Report

**Project Location:** Ft Wingate, New Mexico

PIKA Project Number: 08-12-137

OTHER REMARKS

VERIFICATION BY FIELD SUPERINTENDENT: The above report is, to the best of my knowledge, complete and correct.

SIGNATURE:

DATE:4/24/09



# APPENDIX G WEEKLY REPORTS

# **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	01
PIKA Project #:	08-12-137	Date:	08-10-08 to 08-16-08
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico		

# **Summary of Activities:**

- Kickoff meeting held in Bldg 1 on Monday, 8/11/08
- Started Transect Investigation
- Rick Holthouser and Jerry Stone conducted a Magazine Inspection and Site Audit. Minor issues noted and corrected.

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	63	63	6
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	134	134	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	44	44	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	0	N/A

•	Conducted health and safety meetings and task order meetings every morning, prior to
	commencement of daily activities.

Were there any lost time accidents this week?	No	х	Yes	
If "yes", refer attached summary of incident or	OSHA	A report.		



Quality Control						
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA			
Schonstedts	None					
Whites all metal detectors	None					
Vehicle Inspections	None					

# Notes:

- USACE Safety representative Harmon Slappy on site
- Received repaired Whites All-Metals Detector

### **Schedule for Next Week**

- Continue Transect/Kick-out investigation.
- NM licensed surveyors/Depauli Engineering & Surveying Co to set in grids stakes at SW corner of 84 Arroyo grids.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods





**Navigating to Transect Points with Trimble** 



**Pinpointing Grid Stake Location** 



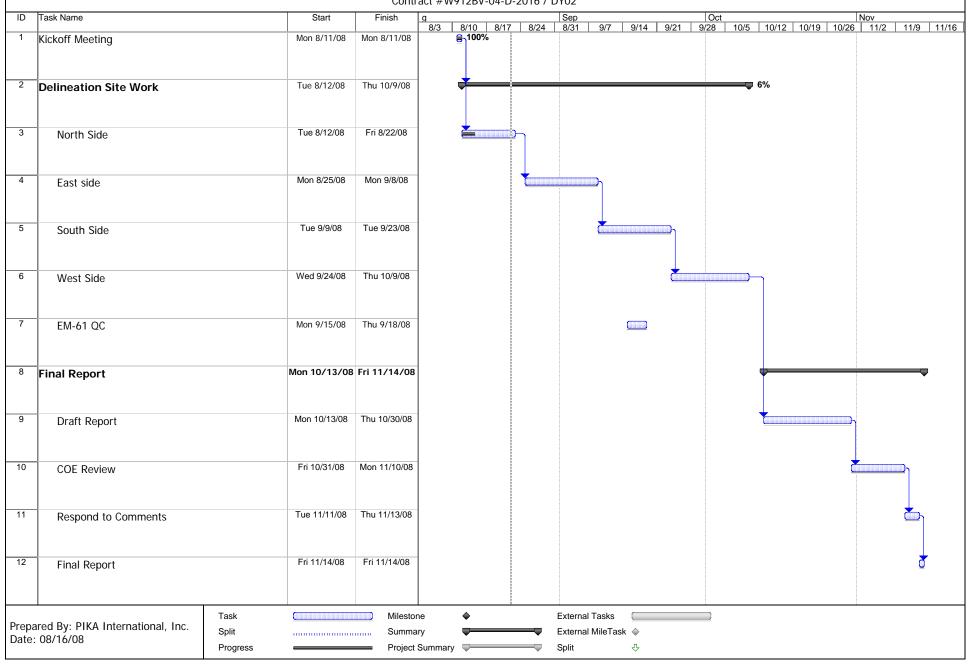


**Checking Point before Hammering in Grid Stake** 



**Hammering in Grid Stakes** 





# **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	2
PIKA Project #:	08-12-137	Date:	08-17-08 to 08-23-08
Project:	Kick-out Investigation, Parcel 3 Bounds McKinley County, New Mexico	ary, Ft Wingate	Army Activity Depot,

# **Summary of Activities:**

- Kickoff Transect Investigations
- Escorting surveyor putting in SW corner grid stakes in Arroyo

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	206	275	29%
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	402	536	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	71	115	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	3	N/A

•	<ul> <li>Conducted health and safety meetings and task order meetings every mo</li> </ul>	rning, prior	to
	commencement of daily activities.		

Were there any lost time accidents this week?	No	X	Yes		
If "yes", refer attached summary of incident or	OSHA	report.			



Quality Control						
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA			
Schonstedts	None					
Whites all metal detectors	None					
Vehicle Inspections	None					

# Notes:

- USACE Safety representative Harmon Slappy on site
- Eugene Bowekaty/Zuni Representative did not work on Tuesday and Wednesday of this week.

### **Schedule for Next Week**

- Continue Transect/Kick-out investigation.
- Continue escorting surveyors putting in SW corner grid stakes in Arroyo

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods





**Teams Loading Gear for Transect Investigations** 



**Navigating to Transect Points with Trimble** 

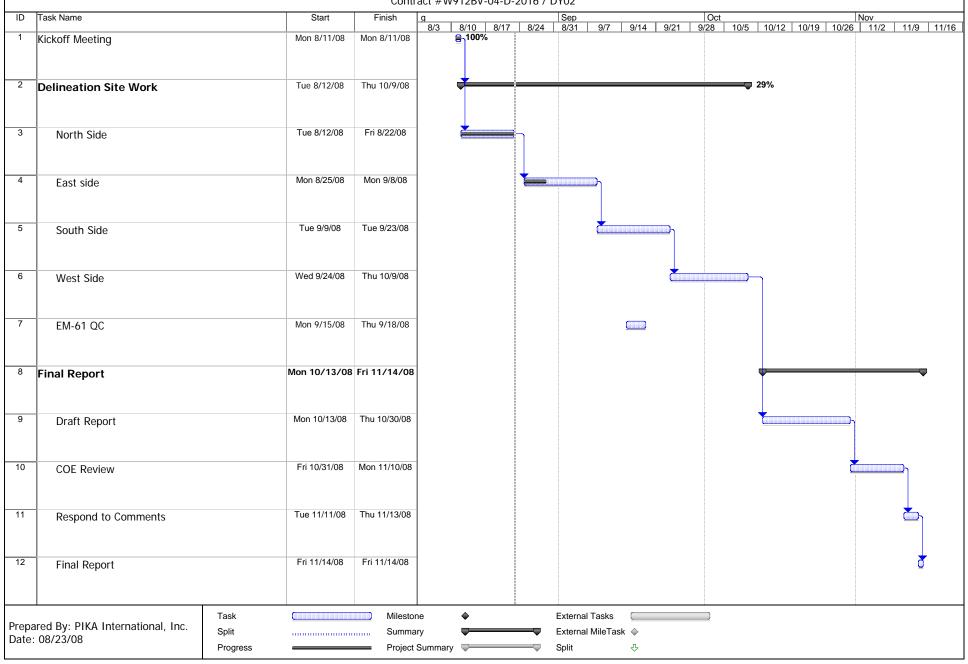


**Investigating Transect for Anomalies** 



QC/Safety Assisting Teams in Field





# **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	3
PIKA Project #:	08-12-137	Date:	08-24-08 to 08-30-08
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico		

# **Summary of Activities:**

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	159	434	45%
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	713	1249	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	331	446	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	158	171	N/A

•	Conducted health and safety meetings and task order meetings every morning, prio	r to
	commencement of daily activities.	

Were there any lost time accidents this week?	No	х	Yes	
If "yes", refer attached summary of incident or	OSHA	report.		



Quality Control					
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA		
Schonstedts	None				
Whites all metal detectors	None				
Vehicle Inspections	None				

# Notes:

- USACE Safety representative Harmon Slappy on site
- Michael Ahmu (Tech 1) reported onboard today to fill vacancy on Team One.

### **Schedule for Next Week**

• Continue Transect/Kick-out investigation.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods





**Sweeping Transects Lanes for Anomalies** 



**Hand Excavating an Anomaly** 

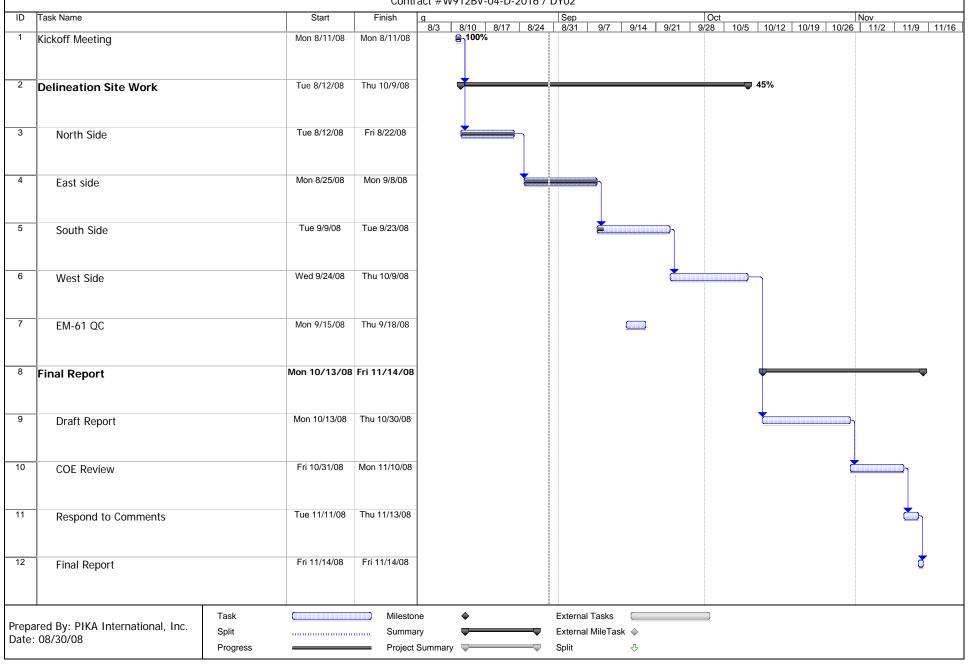


**Burnt Out 57-mm Projectile/Munitions Debris** 



Loading Gear at End of Work Day





# **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	4
PIKA Project #:	08-12-137	Date:	08-31-08 to 09-06-08
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico		

# **Summary of Activities:**

• Kickout Transect Investigations

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	127	561	61%
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	131	1380	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	57	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	28	199	N/A

•	Conducted health and safety meetings and task order meetings every morning, prio	r to
	commencement of daily activities.	

Were there any lost time accidents this week?	No	х	Yes		
If "yes", refer attached summary of incident or OSHA report.					



Quality Control						
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA			
Schonstedts	None					
Whites all metal detectors	None					
Vehicle Inspections	None					

# Notes:

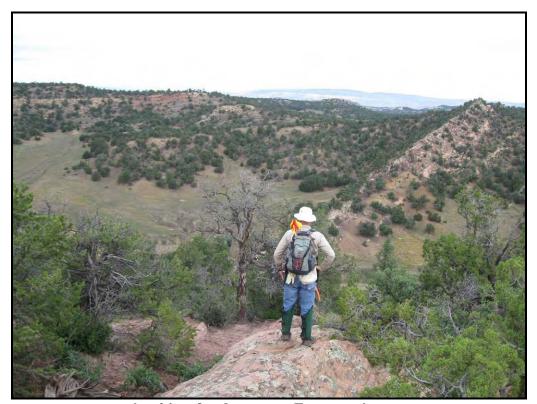
• USACE Safety representative Harmon Slappy was not on site this week

### **Schedule for Next Week**

• Continue Transect/Kick-out investigation.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



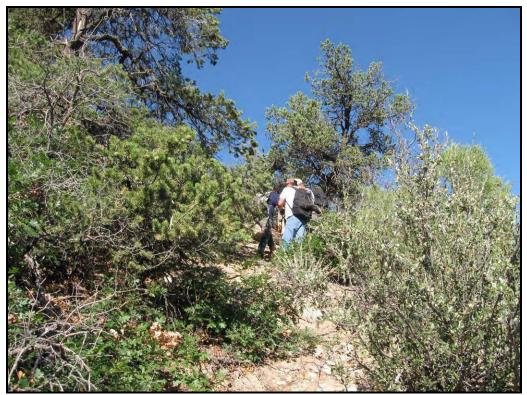


**Looking for Access to Transect Lanes** 

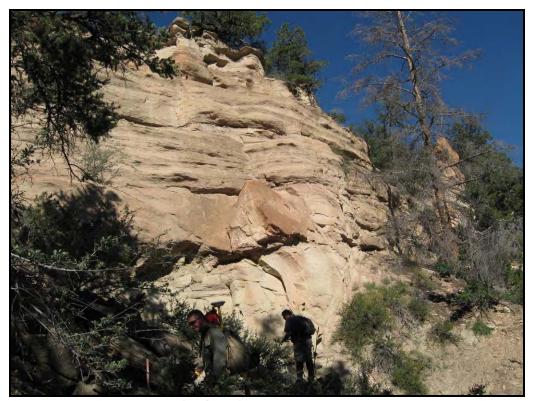


**Navigating along Transect Lanes** 



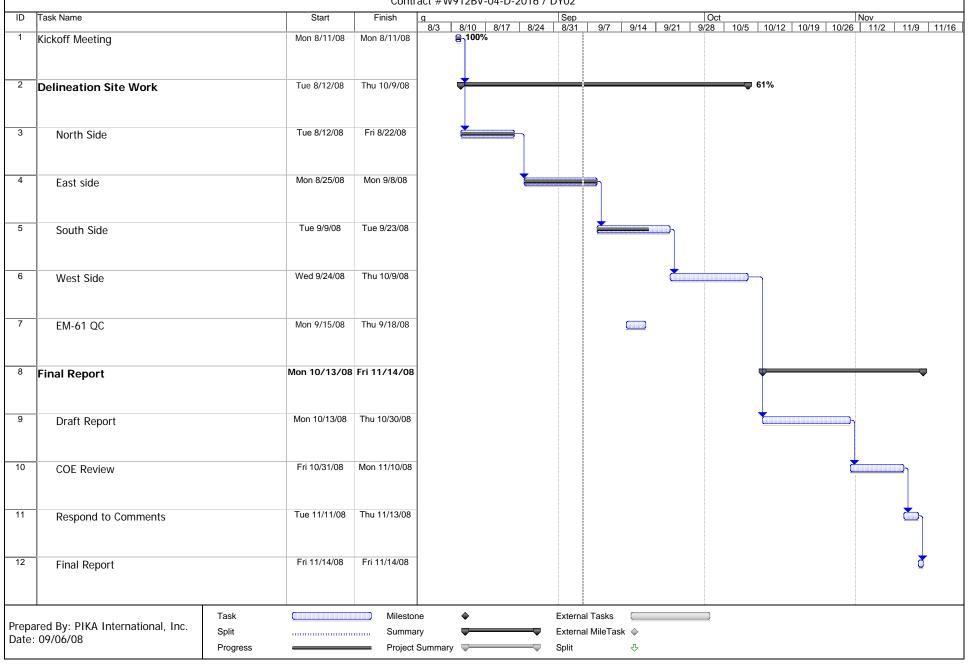


Climbing up Mountain Side



**Inserting Grid Stake on Transect Lane Point** 





# **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	5
PIKA Project #:	08-12-137	Date:	09-07-08 to 09-13-08
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Acivity Depot, McKinley County, New Mexico		

# **Summary of Activities:**

• Continued Transect Investigations

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Several potential archeological sites were identified and investigated by the tribal archeologists, photos are included under Photo Documentation; did not affect work progress.

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	99	660	66%
Number of QC audits completed	0	0	0
Number of QA audits completed	0	0	0
Number of Targets Dug	8	1388	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	0	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	5	204	N/A

•	Conducted health and safety meetings and task order meetings every morning, prior to
	commencement of daily activities.

Were there any lost time accidents this week?	No	x	Yes .	
If "yes", refer attached summary of incident or	OSH	4 report	· ·•	



Quality Control							
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA				
Schonstedts	None						
Whites all metal detectors	None						
Vehicle Inspections	None						

# Notes:

- USACE Safety representative Harmon Slappy on site this week
- Eugene Bowekaty/Zuni Archeologist did not report for work on Monday, 9/8/08.

### **Schedule for Next Week**

- Continue Transect/Kick-out investigation.
- Conduct EM-61 QC audits
- Escort DePauli surveyors into arroyo to stake in South West grid stakes.

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods





**Archeological Site** 



**Archeological Site** 



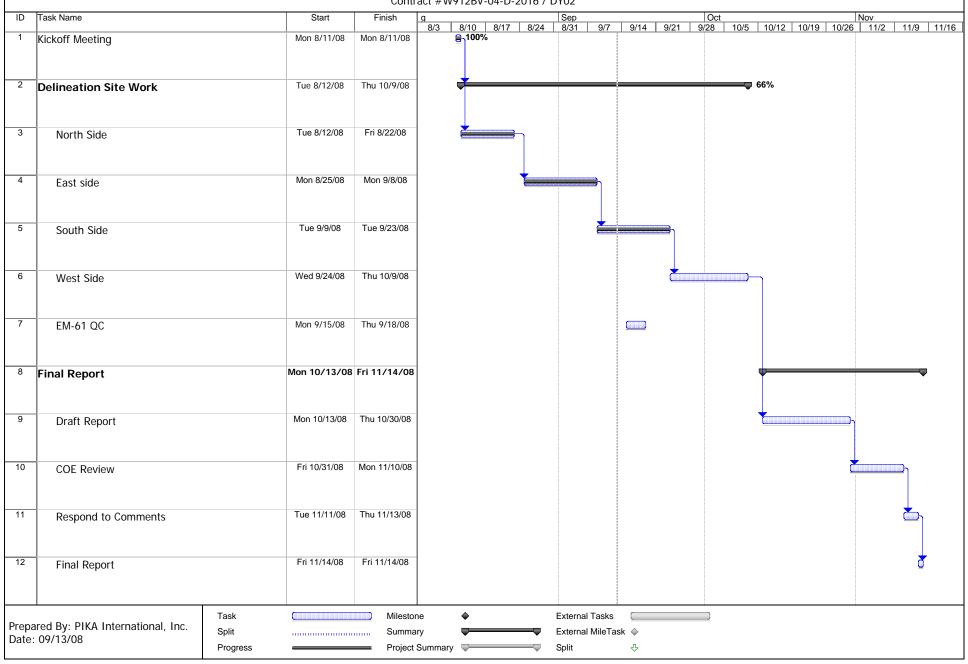


Archeological Site



**Archeological Site** 





# **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	6	
PIKA Project #:	08-12-137	Date:	09-14-08 to 09-20-08	
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico			

# **Summary of Activities:**

- Completed all kick out Transects
- Started EM-61 QC operations

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	66	726	100
Linear Feet of Transects completed	13,986	140,863	100
Linear Feet of Transect QC audits completed	9255	9255	66
Number of Targets Dug	2	1390	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	0	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	1	205	N/A

•	Conducted health and safety meetings and task order meetings every morning,	prior	to
	commencement of daily activities.		

Were there any lost time accidents this week?	No	х	Yes		
If "yes", refer attached summary of incident or	OSHA	A report.			



Quality Control							
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA				
Schonstedts	None						
Whites all metal detectors	None						
Vehicle Inspections	None						

# Notes:

- USACE Safety representative Harmon Slappy and PM Eric Kirwan on site this week
- Navajo and Zuni Archeologists were not utilized this week.

#### Schedule for Next Week.

- Continue EM-61 QC audits
- Investigate anomalies acquired by EM-61 audits
- Ship all explosives to Camp Bonneville
- · Pack and ship equipment/instruments to Stafford

SUXOS	Dewey Thedford	Safety/QC Officer	John Reott
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



MEC in Igloo B-1038



MEC in Igloo B-1038





Jet Perforators, Detonating Cord and Boosters stored in Igloo B-1029



**Electric Blasting Caps stored in Igloo B-1028** 



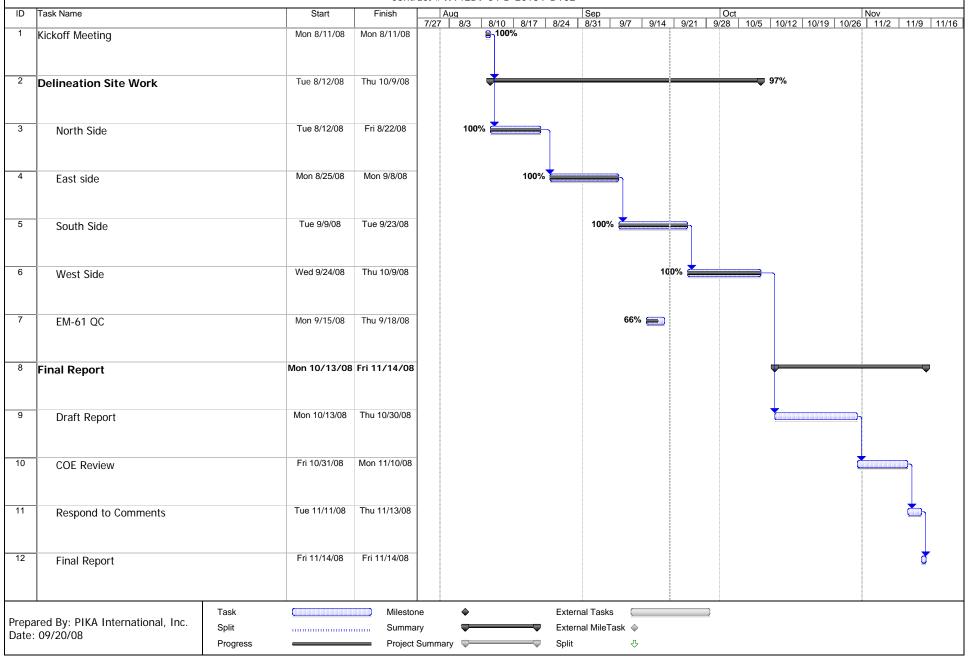


205 Pounds of Scrap Metal Recovered in Arroyo



**503 Pounds of Munitions Debris Recovered in Arroyo** 





# WEEKLY REPORT

Contract No:	W912BV-04-D-2016	Report No.	7
PIKA Project #:	08-12-137	Date:	09-21-08 to 09-27-08
Project:	Kick-out Investigation, Parcel 3 Boundary, Ft Wingate Army Activity Depot, McKinley County, New Mexico		

# **Summary of Activities:**

- Completed EM-61 QC operations
- Shipped Demolition materials
- Shipped Instruments/gear to Stafford, TX
- Turned over MEC inventory to FWAD personnel
- Turned over MD/Non-MD scrap to FWAD personnel

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	0	726	100
Linear Feet of Transects completed	13,986	140,863	100
Linear Feet of Transect QC audits completed	9800	19,055	100
Number of Targets Dug	76	1466	N/A
MEC Items recovered	0	0	N/A
Munitions Debris (MD) recovered (lbs estimate)	0	503	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	1	206	N/A

# **Health and Safety**

 Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.



If "yes", refer attached summary of incident or OSHA report.    Ouality Control	CA) Follow-up on CA						
Quality Control         Inspections Performed       Non-Conformances       Corrective Action (Conformances)         Schonstedts       None         Whites all metal detectors       None         Vehicle Inspections       None         Notes:	CA) Follow-up on CA						
Inspections Performed  Non- Conformances  Schonstedts  None  Whites all metal detectors  Vehicle Inspections  None  Notes:	CA) Follow-up on CA						
Inspections Performed  Non- Conformances  Schonstedts  None  Whites all metal detectors  Vehicle Inspections  None  Notes:	CA) Follow-up on CA						
Inspections Performed  Non- Conformances  Schonstedts  None  Whites all metal detectors  Vehicle Inspections  None  Notes:	CA) Follow-up on CA						
Schonstedts  Whites all metal detectors  Vehicle Inspections  None  Notes:  Conformances  Conformances  Conformances  Conformances  None  None	CA) Follow-up on CA						
Whites all metal detectors  Vehicle Inspections  None  Notes:							
Vehicle Inspections None Notes:							
Notes:							
<ul> <li>USACE Safety representative Harmon Slappy on site this week</li> <li>Navajo and Zuni Archeologists were not utilized this week.</li> </ul>							
Schedule for Next Week.							
<ul> <li>Complete Final Report for Arroyo Clearance, begin Final Report</li> </ul>	for Kickout Delineation.						
Refer attached <b>Schedule</b> for percentage of work completed and projection	ected completion dates.						
SUXOS Dewey Thedford Safety/QC Officer	John Reott						
UXO Team Lead Mike Fiedler Project Manager	Corey Woods						





**Breaking Out Base Station Components** 

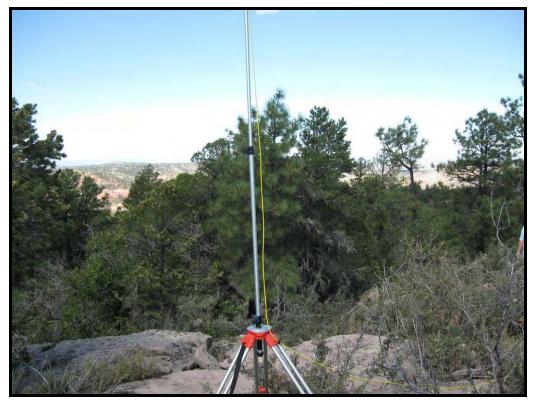


**Setting Up GPS Base Station for QC Operations** 



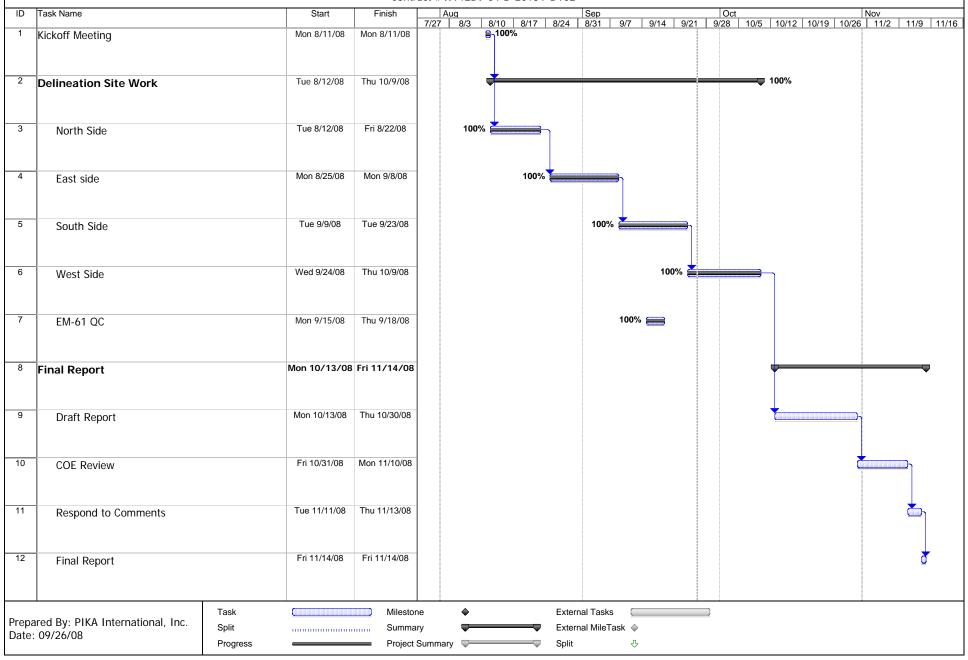


**Setting Up Base Station** 



**Base Station Set Up** 





## **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	16	
PIKA Project #:	08-12-137	Date:	03-29-09 to 04-04-09	
Project:	Kick-out Investigation of 920 Transects			

# **Summary of Activities:**

- Received, inspected and checked equipment and Vehicles
- Walked areas that were classified as Unsafe to transit from previous operations
- Started Transect investigations working inward to OB/OD area

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

We are to investigate and identify all anomalies in the areas that the Tribes allow us to enter.

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	74	800	86
Linear Feet of Transects completed	14,394	155,257	61
Linear Feet of Transect QC audits completed	0	19,055	19,055
Number of Targets Dug	297	1687	N/A
MEC Items recovered	0	0	0
Munitions Debris (MD) recovered (lbs estimate)	62.3	565.3	565.3
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	205	N/A

# **Health and Safety**

•	Conducted health and safety meetings and task order meetings every morning,	prior to
	commencement of daily activities.	

Were there any lost time accidents this week?	No	X	Yes	
If "yes", refer attached summary of incident or	OSHA	report.		



Quality Control					
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA		
Schonstedts	None				
Whites all metal detectors	None				
Vehicle Inspections	None				

## Notes:

- Navajo and Zuni Archeologists escorts onboard all week.
- ATV's will not be utilized for this evolution.

#### **Schedule for Next Week.**

• Continue Transect Investigations

Refer attached **Schedule** for percentage of work completed and projected completion dates.

SUXOS	Dewey Thedford	Safety/QC Officer	John Kochefko
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods





**Conducting Transect Investigations** 



**Investigating Anomaly with Whites All Metal Detector** 





**Looking Down into Valley** 



Working up a Steep Incline

#### **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	17
PIKA Project #:	08-12-137	Date:	04-05-09 to 04-11-09
Project:	Kick-out Investigation of 920 Transec	ets	

#### **Summary of Activities:**

- Received (2) replacement trucks for extended cab F-150's
- Continued Transect investigations on West and South transects

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Submit a weekly report to COE/OESS to include any Transects that could not be investigated due to Safety or Cultural issues.

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	89	889	95
Linear Feet of Transects completed	21,419	176,676	70
Linear Feet of Transect QC audits completed	0	19,055	19,055
Number of Targets Dug	94	1781	1763
MEC Items recovered	0	0	0
Munitions Debris (MD) recovered (lbs estimate)	60	625.3	565.3
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	205	N/A

## **Health and Safety**

- Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.
- John Reott displayed symptoms of heat stress while conducting Transect investigations.
   Immediate first Aid measures were administered and symptoms subsided. Near Miss Report was submitted.



Were there any lost time accidents this week? No x Yes						
<b>Quality Control</b>						
Inspections Perforn	ned Non- Conformances	Corrective Action (CA)	Follow-up on CA			
Schonstedts	None					
Whites all metal detecto	rs None					
Vehicle Inspections	None					
Schedule for Next We	eek.					
Continue Transect Investigations						
Refer attached <b>Schedu</b> l	<b>e</b> for percentage of work (	completed and projected	completion dates.			
Refer attached <b>Schedu</b> l SUXOS	e for percentage of work of Dewey Thedford	completed and projected Safety/QC Officer	completion dates.  John Kochefko			





**Navigating Transects** 



**Investigating Anomaly** 





**Pinpointing Anomaly with Schonstedt and Whites** 



**Fragmentation Found in Hole** 



#### **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	18
PIKA Project #:	08-12-137	Date:	04-12-09 to 04-18-09
Project:	Kick-out Investigation of 920 Transec	ets	

## **Summary of Activities:**

- Continued Transect investigations on East and South transects
- Eric Stoffel reported onboard Wednesday morning to set up and check EM-61 gear. Escorted to field to look at sites that we will conduct EM-61 operations for QA checks.

**Remarks:** (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	92	981	100
Linear Feet of Transects completed	24,855	201,531	80
Linear Feet of Transect QC audits completed	0	19,055	19,055
Number of Targets Dug	36	1817	N/A
MEC Items recovered	0	0	0
Munitions Debris (MD) recovered (lbs estimate)	13	638.3	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	205	N/A

## **Health and Safety**

- Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.
- John Reott has been directed by Aerotek to have a physical evaluation conducted on 4/15/09. He passed the physical and was assigned to EM-61 crew on 4/16/09.

Were there any lost time accidents this week?	No	X	Yes	
If "yes", refer attached summary of incident or	OSHA	report.		



Quality Control				
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA	
Schonstedts	None			
Whites all metal detectors	None			
Vehicle Inspections	None			

#### Notes:

Navajo and Zuni Archeologists escorts onboard all week.

## **Schedule for Next Week.**

• Continue Transect Investigations

Refer attached **Schedule** for percentage of work completed and projected completion dates.

SUXOS	Dewey Thedford	Safety/QC Officer	John Kochefko
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods



**Navigating Transects** 



**Investigating Anomaly** 





**Digging Anomaly** 



**Empty Slap Flare Found in Hole** 

## **WEEKLY REPORT**

Contract No:	W912BV-04-D-2016	Report No.	19
PIKA Project #:	08-12-137	Date:	04-19-09 to 04-25-09
Project:	Kick-out Investigation of 920 Transects		

# **Summary of Activities:**

- Completed Transect investigations
- Completed EM-61 QA/QC operations

Remarks: (include directions received from client's representative or regulators, visitors, compliance notices received, pertinent information)

Doc Holliday/COE OESS will send us a letter for the Transects we could not transit due to Safety concerns.

Work Completed:	This Week	Cumulative	% Complete
Number of Transects completed	17	998	100
Linear Feet of Transects completed	4189	205720	100
Linear Feet of Transect QC audits completed	6818	25873	
Number of Targets Dug	14	1831	N/A
MEC Items recovered	0	0	0
Munitions Debris (MD) recovered (lbs estimate)	38.95	677.25	N/A
Scrap Metal/Metals Waste (MW) recovered (lbs estimate)	0	205	N/A

Healt	n and Safety		
•	<ul> <li>Conducted health and safety meetings and task order meetings every morning, prior to commencement of daily activities.</li> </ul>		
	Were there any lost time accidents this week? No x Yes		



Quality Control			
Inspections Performed	Non- Conformances	Corrective Action (CA)	Follow-up on CA
Schonstedts	None		
Whites all metal detectors	None		
Vehicle Inspections	None		

# Notes:

• Navajo and Zuni Archeologists escorts released at COB on Tuesday, 4/21/09.

#### **Schedule for Next Week.**

Demobilization

Refer attached **Schedule** for percentage of work completed and projected completion dates.

SUXOS	Dewey Thedford	Safety/QC Officer	John Kochefko
UXO Team Lead	Mike Fiedler	Project Manager	Corey Woods





Setting Up EM-61



**Setting Up Tripod/Base Station for EM-61 Operations** 





Collecting Data



**Checking Field Data Collection Settings**