

WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

a facer date.			
I. FILING FEE: The	re is no filing fee for this form.		
II. GENERAL / WEI	L OWNERSHIP: Check here if	proposing one plan for multiple monitorin	g wells on the same site and attaching WD-0
Existing Office of the Name of well owner:	State Engineer POD Number (Well U.S. Army	Number) for well to be plugged	d: G-0069
Mailing address:	4101 Jefferson Plaza NE	County:	Bernalillo County
City: Albuquerque	e St	ate: New Mexico	Zip code: 87109-343
Phone number: 817-7	'89-0453	_{E-mail:} Alan.J.Soicher@u	sace.army.mil
III. WELL DRILLER Well Driller contracted	R INFORMATION: I to provide plugging services: Layr	ne Christianson Company	
		Expiration D	ate: 7-15-24
1) GPS Well Loc	cation: Latitude: 35 Longitude: 108	deg,30min,55.9 deg,35min,15.55	•
2) Reason(s) for	plugging well(s):		
well casings	the Army conducted downhole video to the severity of which increases with the triangler mounding as a result which could influence.	depth. Well #68 is in poor condition	and is causing localized
what hydroge	I for any type of monitoring program? cologic parameters were monitored. zation from the New Mexico Environ	If the well was used to monito	r contaminated or poor quality
	tap brackish, saline, or otherwise pool		If yes, provide additional detail,
5) Static water le	0.24	surface / feet above land surface	(circle one)
6) Depth of the v	vell: 1,350 feet		

7)	Inside diameter of innermost casing:8 5/8inches.
8)	Casing material: Steel
9)	The well was constructed with: an open-hole production interval, state the open interval: a well screen or perforated pipe, state the screened interval(s): N/A
10)	What annular interval surrounding the artesian casing of this well is cement-grouted? Unknown
11)	Was the well built with surface casing? NO If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? N/A If yes, please describe:
12)	Has all pumping equipment and associated piping been removed from the well? No If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.
V DI	ESCRIPTION OF PLANNED WELL PLUGGING: If plugging method differs between multiple wells on same site, a separate form must be completed for each method.
diagrai as geop	If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed most the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such obstical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan. This planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant. Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: Grout will be pumped via tremie to the bottom of the well (or top of the obstruction if it cannot be removed) and a pressure control head will be used prevent upward flow. See section VII for further
2)	Will well head be cut-off below land surface after plugging? Yes
<u>VI. P</u>	LUGGING AND SEALING MATERIALS:
	The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recip ne cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.
1)	For plugging intervals that employ cement grout, complete and attach Table A.
2)	For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
3)	Theoretical volume of grout required to plug the well to land surface: Well 69-24 yards
4)	Type of Cement proposed: ASTM Type I/II or API Class C Cement
5)	Proposed cement grout mix: gallons of water per 94 pound sack of Portland cement.
6)	Will the grout be: X batch-mixed and delivered to the site

7)	Grout additives requested, and percent	by dry weight relative to cement:	
8)	Additional notes and calculations:		
	Type I/II Cement or API Class C G-note, we are currently planning of	Cement pumped via tremmi – 6 gallons water pon mixing onsite.	oer sack cement
VII. A	DDITIONAL INFORMATION: List a	additional information below, or on separate sheet(s):	
top of total d upwar tremie	the obstruction. If the object can be epth. A tremie will be installed to the flow of water. Cement will be pur will be removed. Pressure will be		ent removed to the head to stop the 0 ft bgs and the
bgs, a	nd from 0 to 100 ft bgs. A bridge pl	of the removed, the casing will be perforated from the lug or packer will be installed at 500 ft bgs and until the pressure reaches approximately 500 pumped to the surface.	cement will be
VIII. S	IGNATURE:		
I, <u>Ch</u> Operation	oristopher Cicerale, PG, CSP ons and any attachments, which are a parer pertaining to the plugging of wells and	, say that I have carefully read the foregoing Worthereof; that I am familiar with the rules and regulation will comply with them, and that each and all of the structure to the best of my knowledge and belief.	ons of the State
		Signature of Applicant	Date
IX. AC	TION OF THE STATE ENGINEER:		
This Wo	ell Plugging Plan of Operations is:		
	Approved subject to the attaclNot approved for the reasons	ned conditions. provided on the attached letter.	
	Witness my hand and official seal this_	day of,	
			exico State Engineer
		By:	

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	Ground surface		
Bottom of proposed interval of grout placement (ft bgl)	1,350 ft bgs		
Theoretical volume of grout required per interval (gallons)	24 yards		
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	6 gallons water per sack cement		
Mixed on-site or batch- mixed and delivered?	batch-mixed and delivered		
Grout additive 1 requested	N/A		
Additive 1 percent by dry weight relative to cement	N/A		
Grout additive 2 requested	N/A		
Additive 2 percent by dry weight relative to cement	N/A		

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A		
Bottom of proposed sealant of grout placement (ft bgl)	N/A		
Theoretical volume of sealant required per interval (gallons)	N/A		
Proposed abandonment sealant (manufacturer and trade name)	N/A		