, ,			DEC	WED		
Form 3160-5 (August 2007) DE	UNITED STATES EPARTMENT OF THE IN UREAU OF LAND MANAG NOTICES AND REPOI is, form for proposals to II. Use form 3160-3 (APL	NTERIOR	DEC	04 ²⁰¹³	FORM OMB N Expires:	APPROVED O. 1004-0135 July 31, 2010
SUNDRY	NOTICES AND REPOI	RTS ON W	ELLS NMOC	DA	5. Lease Serial No. NMLC031844	
Do not use the abandoned we	is form for proposals to II. Use form 3160-3 (API	drill or to re) for such	-entek an proposals.		6. If Indian, Allottee	or Tribe Name
	PLICATE - Other instruc					ement, Name and/or No.
 Type of Well ☑ Oil Well ☑ Gas Well ☑ Oth)er				 Well Name and No. FREN OIL COMF 	
2. Name of Operator LINN OPERATING INC		TERRY B C			9. API Well No. 30-015-05250	
3a. Address 600 TRAVIS, SUITE 5100 HOUSTON, TX 77002		3b. Phone No Ph: 281-84	o. (include area code 10-4272)	10. Field and Pool, or GRAYBURG JA	Exploratory ACKSON;SR-Q-G-S
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description))			11. County or Parish,	and State
Sec 19 T17S R31E Mer NMP 32.814600 N Lat, 103.911290					EDDY COUNT	Y, NM
12. CHECK APPI	ROPRIATE BOX(ES) TO) INDICATE	ENATURE OF 1	NOTICE, R	EPORT, OR OTHE	R DATA
TYPE OF SUBMISSION			TYPE O	F ACTION		
Notice of Intent	🗖 Acidize	🗖 Dee	pen	Product	ion (Start/Resume)	□ Water Shut-Off
Subsequent Report	□ Alter Casing	—	cture Treat	🗖 Reclam		Well Integrity
☐ Final Abandonment Notice	 Casing Repair Change Plans 		v Construction	C Recom		Other
	Convert to Injection		g and Abandon g Back	□ Vater I	rarily Abandon Disposal	
13. Describe Proposed or Completed Opt If the proposal is to deepen directiona Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for fin PROPOSED PLUGGING & AI	ally or recomplete horizontally, rk will be performed or provide l operations. If the operation res pandonment Notices shall be file inal inspection.)	give subsurface the Bond No. o sults in a multip ed only after all	locations and measure n file with BLM/BIA le completion or reco	ured and true vo A. Required su	ertical depths of all pertir bsequent reports shall be new interval, a Form 316 n, have been completed, RECLAMATIO	hent markers and zones. filed within 30 days 10-4 shall be filed ance
1. POOH W/ PROD EQUIP (I <i>SAO T こう S× F</i> 2. SPOT 50 SX CMT @ 1672	FAPPLICABLE) AND TA 2/109 01 701 01 22022' (PERFS & CSG SI	g existing F C.J.B. Hoe). Woo	GCIBP & CMT @ @ _30/0. 5 & TAG.) 3010'. CIF	RC MUD LADEN FLI	JID.
3. PERF @ 1325', (B. SALT).			100' pl	1		
4. PERF @ 510'; (CSG SHOI 5. PERF @ 60', CIRC CMT IN <i>At cut-oft v</i>	NSIDE AND OUT TO SUF	RFACE. Z	Perte)eeps Per all ann	550, S . Perf un las.	OZ 5 410 s 51/2" 47." w:11 scob.	o: Degiten Perts. s/21
14. I hereby certify that the foregoing is	·	csq A	From tog	70 5	erf	
Name (Printed/Typed) TERRY B	Committed to AFMSS for p	PERATING II	IC, sent to the Ca JOHNNY DICKE	arlsbad RSON on 11/	21/2013 ()	
Signature (Electronic S			Date 11/15/2			
	THIS SPACE FO	R FEDERA			<u> (IZ) </u>	12.12/4/1)
	10			~ <i>A</i> (<u></u>	1/ 77-1;
	d. Approval of this notice does hitable title to those rights in the	not warrant or subject lease		<u>= p s</u>		Date 11-27-2;
which would entitle the applicant to condu Title (8 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s		crime for any p to any matter w	Office CF2 erson knowingly and ithin its jurisdiction.		ake to any department or	agency of the United
** ODED AT			SUBMITTED *			**
Ground Level 2	OR-SUBMITTED ** OI	ecker	Reg.	CO	E ATTACHED NDITIONS OI	FOR F APPROVAL
						MINUVAL

Woll Name:	Fren Oll Company 8003				
	l Location;	Current			
Location	660 FSL & 1980 FWL	Current Weboors.Diagram		Net Name: API No:	Fren Oil Company 8332
Section:	IN-18-175-31E	THE OWNER OF ALL		Spud Cata:	
BROCK:		111 111		Prepared by:	102/1943
Survey.		111 111		Data:	Lens Wilbarks &/14/2013
Coursy:	Facy				1
State:			TOC: 131' cale		3
LMACTO:	32.814000000075 - 103.91129				
Field	(Grayoury Jackson		TOC: 224' cai:		
	Elevetions:	- 3611 - 161	\$	Hole Biza:	
GL:	3581		á l	Burt Cia;	0-5/T, 25P
DF. KB-G1 Calc:			1	Coment Elend:	5014
			3-5/8 cig and @ 460	Degth:	4507
ch miog?				roc:	224" (Calc w/ 1.2 Cu Fl)
Legalma Reg					
Property 1160				Hale Siza:	
]				ins Geg: Camani Bland:	77, 204
		- M - 13		Returns:	tocar
Date .	History			Depth	1621
10/22/1043	Ren 463 of 8-5/8" OO cag. 252 have been run and critid w/ 505x cm and 50sx of mud pumped			TOC:	1021 1311 (Calc of 1,2 Cu Fi)
	lanead of crid			C	the second se
11/0/1943	Run 7 OD csg. 200 to 1821. Cmfd at 100st cmi preceded witheavy mud.			Dotalle of Perform	1078
2.5.1950	Run 7: 02 csg. 228 to 1821; Cmid er 100s+ cmi preçeded wi heavy mud. Open hole fot shots at 1942-1950 wi 2ani, 1950-1957 er 1spt & 1981-1967 wi 1api.			1722-1758	16 holos
11/26/1954	Run streg of 0-1/2, 148, 3-55 csg.		TOC; (194" calc	1792-1801	18 holas
6/22/1972 -	Well was despend imm 3110 to 3101 (4.3/4" hole) Ban 96 Ma nf 3.3/8" the million chr m	一部1 一種		1810-1822	10 holes
7/5/72	2963, Trealed CH 3055-3181 w/ total al 3000gais 15% HCI acid in two stages, injecting at rate of	- 新聞 - 「様		1873-1875	2 holas
<u> </u>	1100tweet @ 200# TP			1921-1937	12 holps
52/1996	Crosed the mester valve and shut wet in offective 9/2/36 panding evaluation			1949-1972	36 holes
2/73/2002	POCH wi 2-3 8" tog 5 pkr and LD. Clean out wellocra w/ bt 6 scraper to 3010"				
2/26/2002	Set 5-1.2" CIBP @ 301/7, Tesled CIBP to 500pti for 30min, CIMP Intiad good, Circ, welfbare half et	「「「「「」」 「「「」」 「「」」 「「」」 「「」」 「」 「」 「」 「」			
	our rold and pack of workeed			Acid oc Fracture I	eastment Octalia
1/7/2004	R.H & set plu 🚔 1850' & care to top perts 🥥 1935' & 1860'. Cire 🖨 15psl, no protems, Ritt w/ WL				Tamatifater materita
	retainar, Pript Boble Class C cmib, 14.88 (bbl/min, Displaced, pulled out of rel and rev out			3065-31811	3000 gale 15% HCLacid
	10 Sobis, got 1/2 to 1 bol of cire back, POCH w/tog, PJ 5-1/2: ASI-X phr & R:H & set @ 1701'.			1721-1977	2000 gals 15% acid and 15000 rock ant
	Emold Babla Class C criti classecod w/ trach water 13ddls R H w/ drd bs tagged up critigs 1757, Dalled out critis a rat to 1940, feil out.	<u> </u>	Perts - 1722-1827		
:/5/2004	R'st wildrid by langed up of the 1757. Drilled out one & ret to 1840' hell out.	• •	•		
1(10/2204	Set cmt retainer (2nd sq2), propid 501x Class C cmt C 1/2 abitmin. Get to hold pressure (0) 5002.				
		- 51 FE	_		
1.1.0.000	putied put cmi rei.	J K	7" cag set 🚭 1821"		
512/2004	pulled out smillet, langed cmill 1612, dilled up cmilled category. Feel or of cut an 1877		7" cig sel 😋 1621"		Tubing Deuli
	sched out cmire). Rink w 5-127 duilbh, lagged cmi @ 1812, dhiad up cmi and retainer. Feel out of cmire @ 1872. Cleard DDP, tested cup to 330pti, He'd overal for 15min, PCDOH wrtab.		7" cig sel 😋 1821"	Jointa	Tubing Deuti
1/12/2004 1/13/2004	cuted out cmirel. R/d w 5-1/2 duil bit, lagged cmir (g. 1612; diffed up cmi and retainer. Fee out of cmirel (g. 1872; Closed DOP, issiest (j. 1929) 39051; Herd press for 15min, POOH write). POCH: A Pert 1722-1728 4 18 holes, 1792-1796 4 8 holes, 1799-1801 2 8 holes, 1810-1812 2		7" cig set 🧲 1621"		
	Icuted out cmitel. R/H w 5-1/2" duilb th, lagged cmt @ 1512, dified up cmi and rotainer. Feal out of cmt @ 1872. Cened DDP, Istrict (1919 3)/2011 Heid press for 15ms, PODH with: PODH & Port 1722, 17827 4 18 holes, 1792-1796 4 8 holes, 1799-1801 2 8 holes, 1810-1812 2 B class, 1800-1822 2 8 holes, 1872-1875 2 holes, 1921-1926 4 18 holes, 1913-1817 4 16	·		Depth	Tubing Dauli
1/13/2004	Icuted out cmitel. R/H w 5-1/2" duilb th, lagged cmt @ 1512, dified up cmi and rotainer. Feal out of cmt @ 1872. Cened DDP, Istrict (1919 3)/2011 Heid press for 15ms, PODH with: PODH & Port 1722, 17827 4 18 holes, 1792-1796 4 8 holes, 1799-1801 2 8 holes, 1810-1812 2 B class, 1800-1822 2 8 holes, 1872-1875 2 holes, 1921-1926 4 18 holes, 1913-1817 4 16	ao 1	7" cig set 🚭 1821" Parls - 1873-1972"		Tubing Deuil
	Icuted out cmitrel. Ref w 5-127 duit bet, lagged cmit @ 1612, dified up cmi and relativer. Fee out of cmit @ 1872. Cleared DOP, lasted cjulio 32001, He'd press (cc. 15m), POOH write). POOH, A Part 172, 1728 418 or 5049, 1792,11964 4 8 holes, 1799-1801 2 8 holes, 1810-1812 2 B roles, 1620,1827 2 8 holes, 1873-1873 2 holes, 1971-1823 41 holes, 1933-1837 41 16 holes, 1140,1824 5 20 holes, 1983,1972 4 16 holes, RM w 5-172 pitr 6 set @ 1633. RO Coll Op pumpris and, Start on acto Scolarmin, Proce a total of			Depth	
1(13/2004 1/14/2004	Icuted out cmitel. R/H w 5-1/2 duilbit, lagged cmit @ 1612, dified up cmi and rotaner. Fee out of cmt @ 1672. (Crast 000-1stird rig to 3/2011 Hed press for 15min, PCOH write) POCH & Port 1722 1782 4 18 holes, 1722 1796 4 8 holes, 1799-1801 2 8 holes, 1810-1812 2 9 holes, 1600-1822 7 8 holes, 1973-1875 2 hole, 1921-1925 4 18 holes, 1933-1837 4 16 holes, 1242-1854 5 20 holes, 1988-1977 4 16 holes, R/H w 5-1/2 pt 6 set @ 1623. RU CUDO pumping serv, Start on soct Scotamen, Proof a total of 2000 pts 1954 sciel and dioped 1503/ moth sen, Roved back to of 5D			Depth Pkr Depth	Tubing Deuil Rod Detail (lop is baltera)
1/13/2004 1/14/2004 1/15/2004	Icuted out cmitrel. RV:1 w 51/2" drilloht, lagged cmit @ 1612, drilloh up cmi and retener. Feel out of cmt @) 1872. (Creat ODP, lastical proj (0.5500), 1473 prejs (or 15 ms, PODP) writes. PODE: & Pent 1722, 1782 4 18 holes, 1792 1793 4 6 holes, 1799-1801 2 8 holes, 1810-1812 2 0 holes, 1820-1822 7 8 holes, 1873-1875 2 holes, 1921-1925 4 18 holes, 1933-1837 4 16 holes, 1820-1824 5 2 8 holes, 1987-1875 2 holes, 1921-1925 4 18 holes, 1933-1837 4 16 holes, 1820-1824 5 2 8 holes, 1987-1877 2 16 holes. RV:1 w 5-1/2" plu 6 set @ 1623", RU CUDO pumping sarv, Start on sub Scotsmin, Prince 4 total of 2000 gain 15% site and droped 15000 mok set, Rowed best to p1, 5D			Depth	
1(13)2004 1/14/2004	Icuted out cmitrel. RVH w 5-127 duit bit, lagged cmt @ 1612, dified up cmi and ristanty. Feel out of cmt @ 1872. Closed DOP, tested proj 0 322051, He'd proj 1621 15 ms, POOri w 150. POOR & Port 1722, 1782 4 16 noise, 1722 1706 4 6 noise, 1799-1801 2 8 noise, 1810-1812 2 0 close, 1620, 1822 8 holds, 1037 1873 2 holds, 1921-1923 4 16 holds, 1933-1937 4 16 holds, 1440-1824 5 stoles, 1038-1972 4 16 holds, RVH w 5-177 pLr 5 set @ 1623; RU CUDO pumping serv. Elaft on size 3500 mmh, Pripe 4 total of 2000 gait 1974 hild and dooled 1500 mmh served begit on size 3500 mmh, Pripe 4 total of RVH w 5-177 pLr 5 set @ 1623; RU CUDO pumping serv. Elaft on size 3500 mmh, Pripe 4 total of RVH w 5-177 pLr 5 set @ 1623; RU CUDO pumping serv. Elaft on size 3500 mmh, Pripe 4 total of RVH w 50 4 ross 8 pump.			Depth Pkr Depth	
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1/13/2004 1/14/2004 1/15/2004	Icuted got cmirel. R71 w 5-1/2" dill bit, lagged cmir @ 1612, dillad up cmi and rolandr. Fee out of cmt @ 1672. (Creed DDP, tested proj to 3/2011 Hed press for 15min, PCOH write). POCH & Pent 1722, 1782 4 16 holes, 1172, 1766 4 6 holes, 1799-1801 2 8 holes, 1810-1812 2 6 holes, 1600-1822 2 8 holes, 1873-1875 2 holes, 1921-1825 4 16 holes, 1933-1837 4 16 holes, 1840-1824 5 20 holes, 1983-1872 4 16 holes. R1M wr 5-1/2" pLr 5 set @ 1623: R0 CUDO pumping serv. Start on acc 360 smm, Prince a total of 2000 gait 1975 stild and diophed 15004 moh sent. Bywed bpt to p1, 5D R1M wr 105 4 mods 5 pump. Stgr cag tests an 1860, 1933 for wr 15005 class C cmi, 1862 pump 2505 class C cmi, 1701 Stgr cag tests an 1860, 1933 for wr 15005 class C cmi, 3017 Cl39 pump 2505 class C cmi, 1701 Stgr cag tests and 800, 1935 for wr 15005 class C cmi, 3017 Cl39 pump 2505 class C cmi, 1701 Stgr cag tests and 1830 pump.			Depth Pkr Depth Rods Bymping Unit: Prod Cep: Capacity (bb/m):	Rod Detall (top is bottom)
1/13/2004 1/14/2004 1/15/2004	Icuted got cmirel. R71 w 5-1/2" dill bit, lagged cmir @ 1612, dillad up cmi and rolandr. Fee out of cmt @ 1672. (Creed DDP, tested proj to 3/2011 Hed press for 15min, PCOH write). POCH & Pent 1722, 1782 4 16 holes, 1172, 1766 4 6 holes, 1799-1801 2 8 holes, 1810-1812 2 6 holes, 1600-1822 2 8 holes, 1873-1875 2 holes, 1921-1825 4 16 holes, 1933-1837 4 16 holes, 1840-1824 5 20 holes, 1983-1872 4 16 holes. R1M wr 5-1/2" pLr 5 set @ 1623: R0 CUDO pumping serv. Start on acc 360 smm, Prince a total of 2000 gait 1975 stild and diophed 15004 moh sent. Bywed bpt to p1, 5D R1M wr 105 4 mods 5 pump. Stgr cag tests an 1860, 1933 for wr 15005 class C cmi, 1862 pump 2505 class C cmi, 1701 Stgr cag tests an 1860, 1933 for wr 15005 class C cmi, 3017 Cl39 pump 2505 class C cmi, 1701 Stgr cag tests and 800, 1935 for wr 15005 class C cmi, 3017 Cl39 pump 2505 class C cmi, 1701 Stgr cag tests and 1830 pump.			Depth Pkr Depth Rods Bymping Unit: Prod Cep: Cepacity (bb/M): Genant Bland:	Rod Detall (lop is batters)
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1/13/2004 1/14/2004 1/15/2004	Icuted got cmirel. R71 w 5-172 dubbit, lagged cmi (\$) 1612, dified up cmi and retainer. Fee out of cmt (\$) 1872. (Creed DDP, tested proj (9) 35061, Hed press for 15 min, PCOH writes. POCH & Pent 1722, 1782 4 18 noises, 1172, 1766 4 8 holes, 1799-1801 2 8 holes, 1810-1812 2 8 holes, 1800-1822 2 8 holes, 1873-1875 2 holes, 1921-1825 4 18 holes, 1933-1837 4 16 holes, 1840-1824 5 20 holes, 1983-1872 4 16 holes. R1M wr 5-172 pt 6 set (\$) 1632 KR CUDO pumping serv. Start on soc 3604mm, Prinod a total of 2000 gait 1975 stild and disposed 15004 moth sett, Bywed bpt (10 pt, 5D R1M wr 50, 4 moth 300, 1935 for wr 15005 case C cmi, 1882 pump 6505 case of 2005 cmi, 1701 Signag Balas bits 6 cmi, 1830 pump 5 balas C cmi, 1882 pump 6505 case of 2005 cmi 1701 bump 6505 case of 305 cmi 1830 pump.		Peris - 1873-1972	Depth Pkr.Depth Rods Evmpling.Unit; Nois Sizo: Prod.Ceb: Capacity (bbim): Camant Bland: Returns: Depth TOC: Nois Sizo: Liner;	Rod Detall (top is bottom) 5-1/7, 15 54, J 35 75ы 3005
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BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Permanent Abandonment of Federal Wells Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. <u>Notification</u>: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. <u>Dry Hole Marker</u>: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. <u>Subsequent Plugging Reporting</u>: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. <u>Show date well was plugged.</u>

8. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation procedure.

Requirements for dry hole markers in Prairie Chicken Habitat <u>Well Identification Markers</u> Conditions of Approval (COA)

The BLM Carlsbad Field Office (CFO) Conditions of Approval (COA) have required that ground level dry hole markers be placed on wells within the Lesser Prairie Chicken habitat area. Onshore Order 2.III.G.10 allows for surface caps to be installed at the base of the cellar of a minimum of 3 feet below the restored ground level. Therefore, these markers shall be set a minimum of 3 feet below the restored ground level. All markers shall be identified by GPS coordinates.

The dry hole markers will be to the following specifications. The operator will construct the markers as follows:

- 1. A steel plate 1/4 inch thick shall be placed on the wellbore, welded in place and with a weep hole:
- 2. Aluminum data plates may be bolted to the steel plate with minimum ¼ inch bolts and locking nuts or self tapping fine threaded screws. A minimum of one in each corner is to be installed on each plate.
- 3. An 8 inch x 8 inch aluminum plate, which is 12 gauge or .080 sign material (1/8 inch aluminum plate may be used in place of the .080 plate) with the required information for that well stamped or engraved in a minimum 3/8 inch tall letter or number.
- 4. The following information will be stamped or engraved on the 8 inch X 8 inch aluminum plate in the following order.
 - a. First row: Operator's name
 - b. Second row: Well name and number
 - c. Third row: Legal location to include ¼ ¼, Section, Township, and range. If the legal location cannot be placed on one row it can be split into two rows with the ¼ ¼ (example: 1980 FNL 1980 FWL) being on the top row.
 - d. Fourth row: Lease Number and API number.
 - i. Example marker plate: (attached)

Notification to NMOCD of this marker type will be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground level dry hole marker was installed and GPS coordinates recorded as required in the COAs from the BLM.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation

equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Inspection & Enforcement

Jim Amos Supervisory Environmental Protection Specialist 575-234-5909, 575-361-2648 (Cell)

Mike Burton Environmental Protection Specialist 575-234-2226

Jeffery Robertson Natural Resource Specialist 575-234-2230

Jennifer Van Curen Environmental Protection Specialist 575-234-5905

Doug Hoag Civil Engineering Technician 575-234-5979

Linda Denniston Environmental Protection Specialist 575-234-5974

Solomon Hughes Natural Resource Specialist 575-234-5951

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Permitting

Cody Layton Natural Resource Specialist 575-234-5959

Trishia Bad Bear Natural Resource Specialist 575-393-3612

Todd Suter Surface Protection Specialist 575-234-5987

Tanner Nygren Natural Resource Specialist 575-234-5975

Amanda Lynch Natural Resource Specialist 575-234-5922

Legion Brumley Environmental Protection Specialist 575-234-5957

Realty, Compliance Randy Pair Environmental Protection Specialist 575-234-6240