

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: YOUNG DEEP UNIT	Well Location: T18S / R32E / SEC 9 / NENE /	County or Parish/State: LEA / NM
Well Number: 36	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC064009D	Unit or CA Name: YOUNG DEEP UNIT - BONE SP	Unit or CA Number: NMNM71067B
US Well Number: 3002533642	Operator: MATADOR PRODUCTION COMPANY	

Accepted for record only BLM approval required NMOCD 7/30/24 KF

RUN CBL

Notice of Intent

Sundry ID: 2781909

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/27/2024

Time Sundry Submitted: 09:30

Date proposed operation will begin: 04/20/2024

Procedure Description: Matador is requesting to plug and abandon the Young Deep Unit #036, per the required BLM COAs, following the procedure below: • Notify BLM 24 hrs before MIRU. • Safety mtg, MIRU, check pressures, ND wellhead, NU & test BOPs, POOH w/ rods & tbg. • RIH & set CIBP at 8,800'; Pressure test csg to 500 psi for 30 minutes; Circulate and displace hole w/ MLF. • Spot 25 sks Class H cmt on top of CIBP; WOC & Tag (Isolate perforations). • Spot a 135 sk balanced plug of Class C cmt at 6,250' (Bone Spring & Delaware). • Spot a 70 sk balanced plug of Class C cmt at 3,185'; WOC & Tag (Intermediate shoe, Base of Salt, & Yates). • Spot a 25 sk balanced plug of Class C cmt at 1,500'; WOC & Tag (Top of Salt). • Perf @ 475' & Sqz CI C cmt to surface on all strings. (Surface shoe) • Cut off wellhead and ensure cmt to surface on all csg strings. • Install dry hole marker per BLM/NMOCD specifications. *Current and proposed wellbore diagrams attached **Mud laden fluid (MLF) mixed at 25sx/100 bbls water will be spotted between each plug.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Young_Deep_Unit__036_Planned_P_A_WBD_20240327093007.pdf

Young_Deep_Unit__036_Current_WBD_20240327092955.pdf

Well Name: YOUNG DEEP UNIT

Well Location: T18S / R32E / SEC 9 / NENE /

County or Parish/State: LEA / NM

Well Number: 36

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC064009D

Unit or CA Name: YOUNG DEEP UNIT - BONE SP

Unit or CA Number: NMNM71067B

US Well Number: 3002533642

Operator: MATADOR PRODUCTION COMPANY

Conditions of Approval

Specialist Review

2781909__Young_Deep_Unit_36__COA_AND_PROCEDURE_20240410145319.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: BRETT JENNINGS

Signed on: MAR 27, 2024 09:30 AM

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory Analyst

Street Address: 5400 LBJ FREEWAY, STE 1500

City: DALLAS

State: TX

Phone: (972) 629-2160

Email address: BRETT.JENNINGS@MATADORRESOURCES.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 04/10/2024

Signature: KEITH IMMATTY

Matador is requesting to plug and abandon the Young Deep Unit #036, per the required BLM

COAs, following the procedure below: • Notify BLM 24 hrs before MIRU. • Safety mtg, MIRU, check pressures, ND

wellhead, NU & test BOPs, POOH w/ rods & tbg. • RIH & set CIBP at 8,800'; Pressure test csg to 500 psi for 30

minutes; Circulate and displace hole w/ MLF. • Spot 25 sks Class H cmt on top of CIBP; WOC & Tag (Isolate

perforations). • Spot a 135 sk balanced plug of Class C cmt at 6,250' (Bone Spring & Delaware). • Spot a 70 sk

balanced plug of Class C cmt at 3,185'; WOC & Tag (Intermediate shoe, Base of Salt, & Yates). • Spot a 25 sk

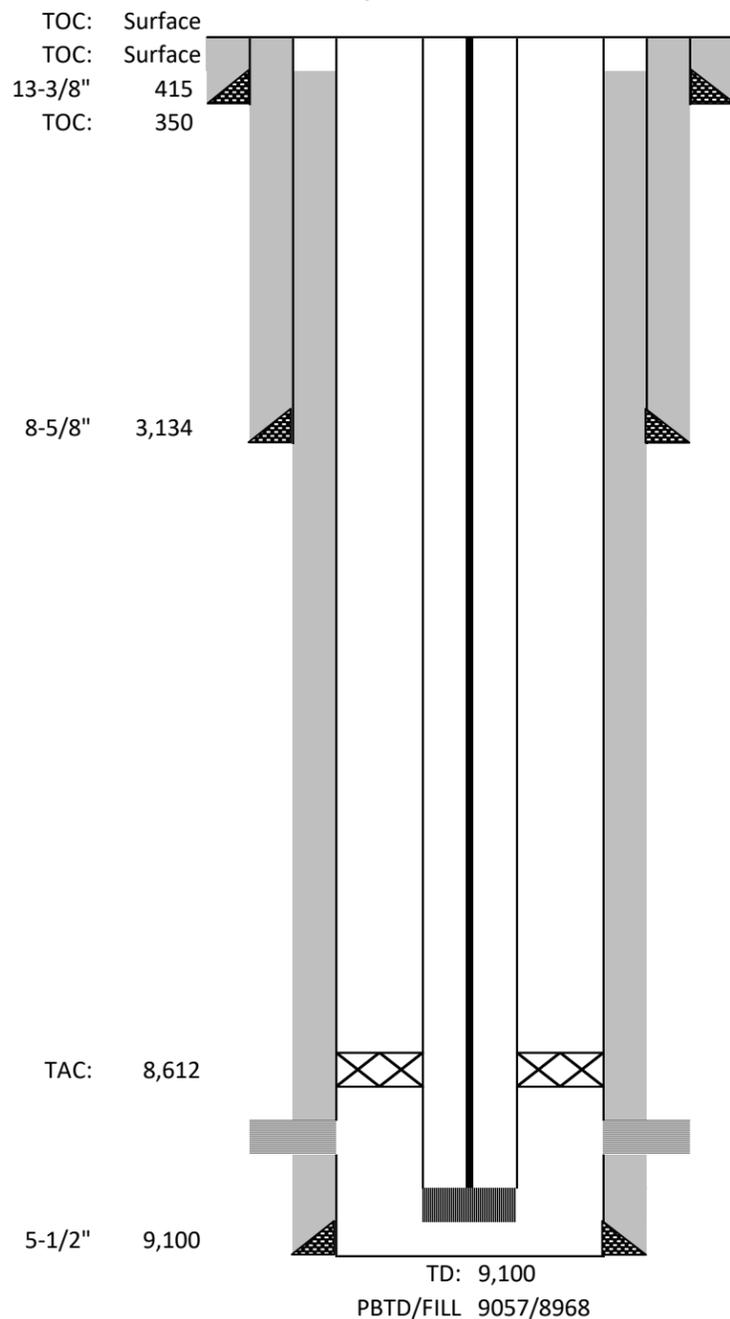
balanced plug of Class C cmt at 1,500'; WOC & Tag (Top of Salt). • Perf @ 475' & Sqz Cl C cmt to surface on all

strings. (Surface shoe) • Cut off wellhead and ensure cmt to surface on all csg strings. • Install dry hole marker per

BLM/NMOCD specifications. *Current and proposed wellbore diagrams attached **Mud laden fluid (MLF) mixed at

25sx/100 bbls water will be spotted between each plug.

Young Deep Unit #036
70' FNL & 1310' FEL Sec. 9-T18S-R32E
Lea County, NM
API: 30-025-33642
CURRENT WELLBORE SCHEMATIC
Spudded: 11/1/1996



Casing Information						
	Hole Size	Casing Size	Type	Weight (lb/ft)	Joints	Depth Set
Surface	17-1/2"	13-3/8"	H-40	48#	8	415
Intermediate	12-1/4"	8-5/8"	J-55	32#	70	3,134
Production	7-7/8"	5-1/2"	J-55	17#	204	9,100
DV Tool						

Cementing Record			
	Type	TOC	Date Run
Surface	425 sks CL C	Surface	11/1/1996
Intermediate	1200 sks CL C	Surface	11/5/1996
Production	1000 sks CL H x 500 sks CL H	350	11/17/1996

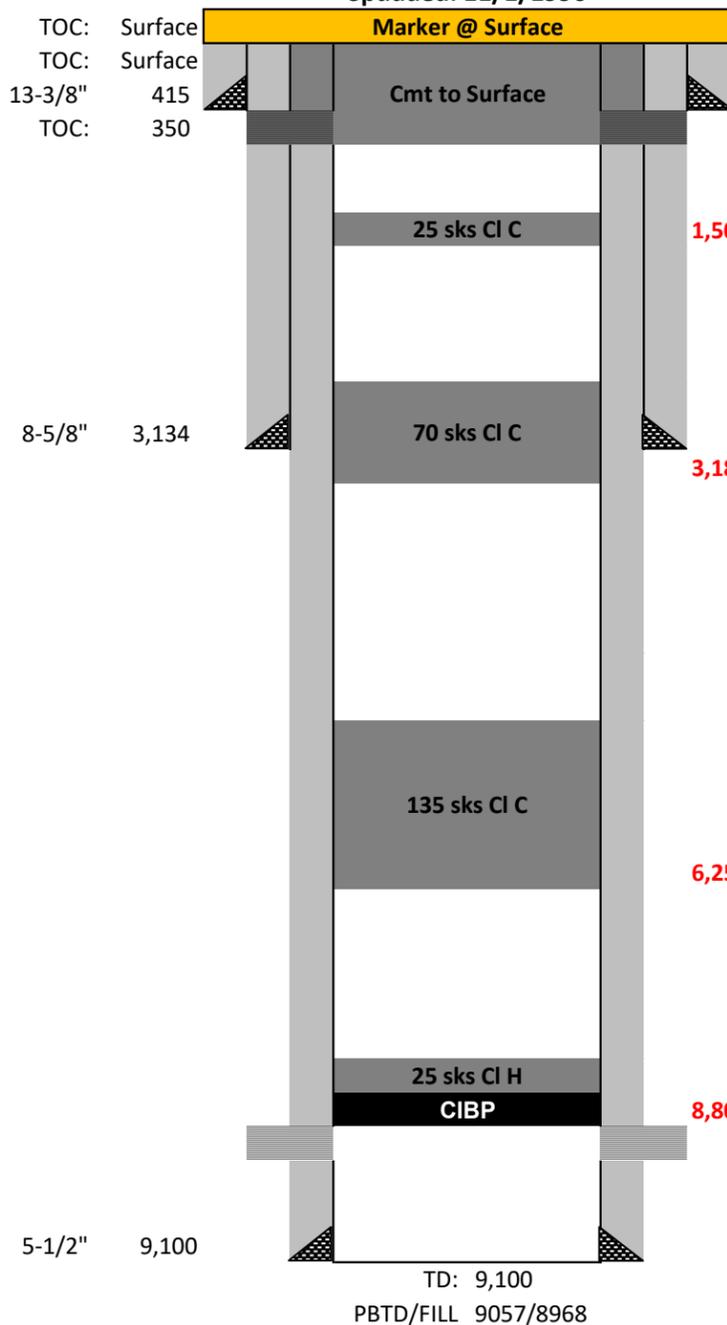
Tubing Information		
Item	Notes	Depth
Tubing	272 jts of 2-3/8" J55 Tubing	
Tubing Anchor	TAC	8,612
Tubing	10 jts of 2-3/8" J55 Tubing	
Seating Nipple	SN	8928
Sand Screen	SND SCREEN	
Bull Plug	BP	8952
Plug Back Total Depth	PBTDFILL	9057/8968

Geologic Markers	
Yates	2,628
7 Rivers	3,103
Queen	3,796
Penrose	4,030
Grayburg	4,303
San Andres	4,811
Delaware	5,060
Bone Spring	6,180
1st Sand	7,810
B-Zone	8,019
2nd Sand	8,500

Rod String Information	
Item	Notes
Pony Rod	(3) Pony Rods - 14' total
Rod	(108) 7/8" Rods
Rod	(225) 3/4" Rods
Rod	(21) 7/8" Rods
Pump @ 8,939'	2" x 1.25" x 24' W/BOC

Perforation Information		
Date	Formation	Depth
11/22/1996	2nd Bone Springs Sand	(8,832'-8,877')

Young Deep Unit #036
70' FNL & 1310' FEL Sec. 9-T18S-R32E
Lea County, NM
API: 30-025-33642
Planned WELLBORE SCHEMATIC
Spudded: 11/1/1996



475': Perf & Sqz Class C cmt to surface on all strings (Est. 150 sks)

1,500': Spot a 25 sk Class C cmt balanced plug (Top of Salt); WOC & tag

3,185': Spot a 70 sk Class C cmt balanced plug (Req. 2,578') (Intermediate Shoe, Base of Salt, & Yates); WOC & tag

6,250': Spot a 135 sk Class C cmt balanced plug (Req. 5,010') (Bone Springs & Delaware); WOC & tag

8,800': Set CIBP @ Spot 25 sks Class H cmt of top of CIBP; WOC & Tag; Load Casing & Pressure test to 500 psi for 30 minutes

11/22/1996 2nd Bone Springs Sand
 (8,832'-8,877')

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Cementing Record					Geologic Markers	
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Surface	425 sks CL C	Surface	11/1/1996	Yates	2,628	
Intermediate	1200 sks CL C	Surface	11/5/1996	7 Rivers	3,103	
Production	1000 sks CL H x 500 sks CL H	350	11/17/1996	Queen	3,796	
				Penrose	4,030	
				Grayburg	4,303	
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- Notify BLM 24 hrs before MIRU.
- Safety mtg, MIRU, check pressures, ND wellhead, NU & test BOPs, POOH w/ rods & tbg.
- RIH & set CIBP at 8,775'; Pressure test csg to 500 psi for 30 minutes; Circulate and displace hole w/ MLF.
- Spot 25 sks Class H cmt on top of CIBP; WOC & Tag (Isolate perforations).
- Spot a 140 sk balanced plug of Class C cmt at 6,250' (Bone Spring & Delaware).
- Spot a 70 sk balanced plug of Class C cmt at 3,185'; WOC & Tag (Intermediate shoe, Base of Salt, & Yates). **2551' or higher**
- Spot a 25 sk balanced plug of Class C cmt at 1,500'; WOC & Tag (Top of Salt). **1340' or higher**
- Perf @ 475' & Sqz Cl C cmt to surface on all strings. (Surface shoe)

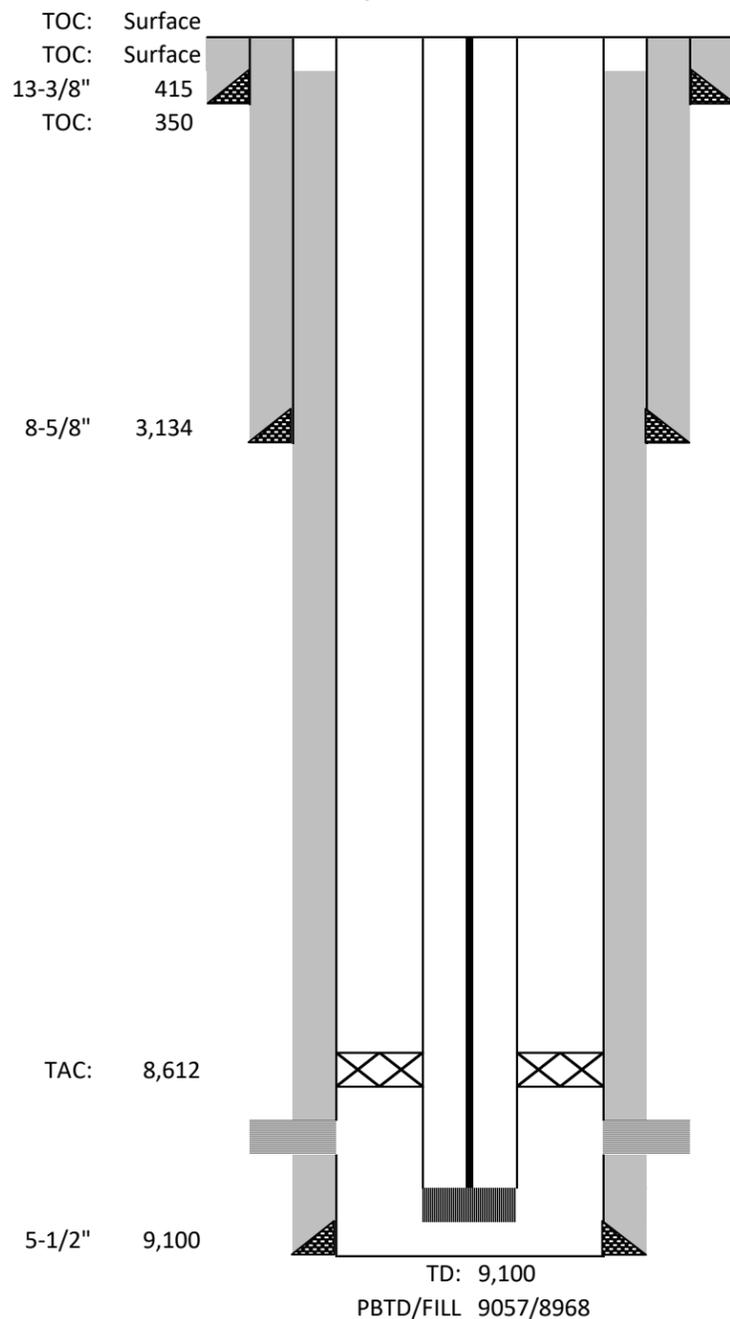
WCR suggest cement in the backside to 300'. If the above P&S attempt pressures up, spot from 475' to 300'. Then re-attempt to P&S to surface

- Cut off wellhead and ensure cmt to surface on all csg strings.
- Install dry hole marker per BLM/NMOCD specifications.

*Current and proposed wellbore diagrams attached

**Mud laden fluid (MLF) mixed at 25sx/100 bbls water will be spotted between each plug.

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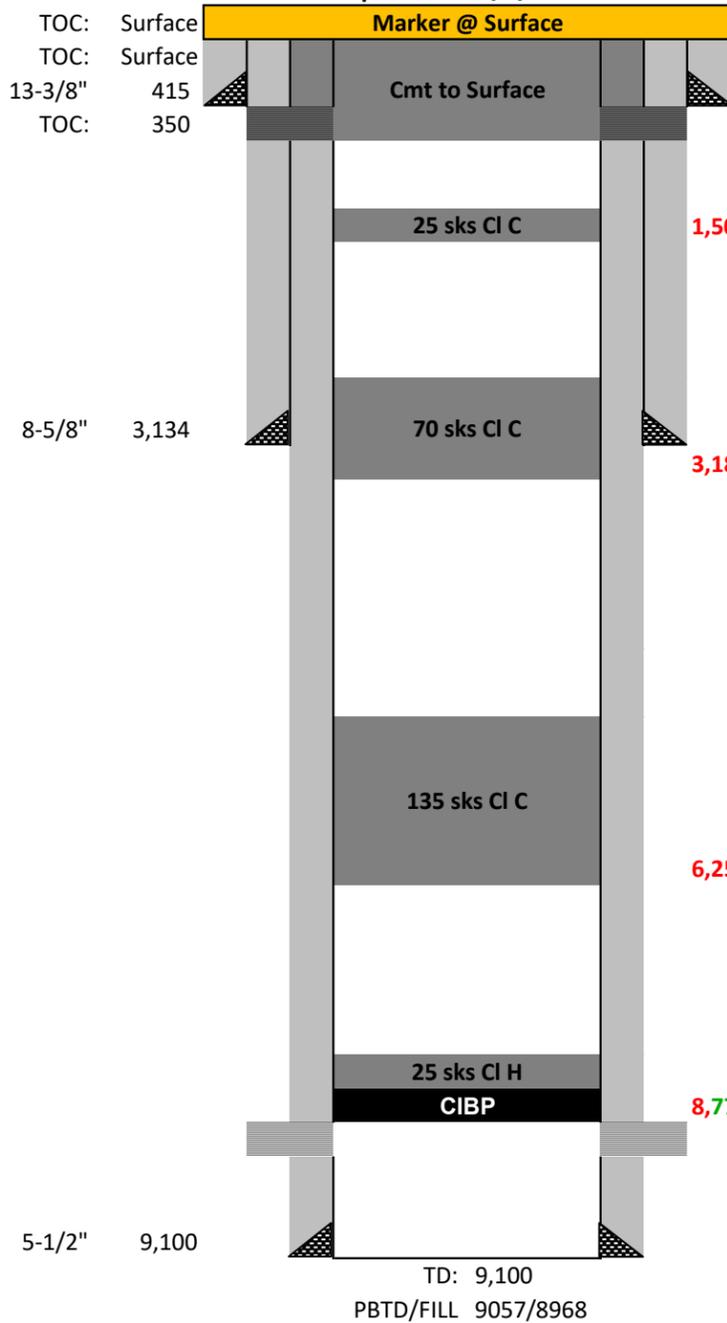
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Bone Spring	6,180
1st Sand	7,810
B-Zone	8,019
2nd Sand	8,500

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Rod	(108) 7/8" Rods
Rod	(225) 3/4" Rods
Rod	(21) 7/8" Rods
Pump @ 8,939'	2" x 1.25" x 24' W/BOC

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6,250': Spot a 140 sk Class C cmt balanced plug (Req. 4,959') (Bone Springs & Delaware); WOC & tag

8,775': Set CIBP @ Spot 25 sks Class H cmt of top of CIBP; WOC & Tag; Load Casing & Pressure test to 500 psi for 30 minutes

11/22/1996 2nd Bone Springs Sand
(8,832'-8,877')

Sundry ID 2781909

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	475.00	475.00			
Shoe Plug	360.85	465.00	104.15	Verify circulated to surface	150.00	Perf and sqz to surface. May have to spot from 475-300', then perf and sqz 300' to surface
Top of Salt @ 1405	1340.95	1455.00	114.05	WOC and Tag	25.00	
Yates @ 2628	2551.72	2678.00	126.28	WOC and Tag		
Shoe Plug	3052.66	3184.00	131.34		70.00	
Delaware @ 5060	4959.40	5110.00	150.60			
Bonesprings @ 6180	6068.20	6230.00	161.80		140.00	
CIBP Plug	8740.00	8775.00	35.00	Verify CIBP depth	25.00	Leak test 500psi, 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C <7500'
Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.
Critical, High Cave Karst: Cave Karst depth to surface
R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

Class C: 1.32 ft³/sx
Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	Low	500.00
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Shoe @	415.00
Shoe @	3134.00
Shoe @	9100.00

Perforatons Top @	8832.00	Perforations	8876.00
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CIBP @	8775.00
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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 (LPC Habitat)**

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 **ninety (90)** 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. **Notification:** 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 575-689-5981.

3. **Blowout Preventers:** 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. **Mud Requirement:** 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. **Cement Requirement:** 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. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): 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 BY PHONE (numbers listed under 2.Notification) 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.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing. The following information shall be permanently inscribed on the plate: 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).

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: 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. **Show date well was plugged.**

8. Trash: 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 objectives.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 364914

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 364914
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Accepted for record only BLM approval required NMOCD 7/30/24 KF	7/30/2024