

pted for Record Only SUBJECT TO LIKE APPROVAL BY DIA NMOCD 2/28/23 ズチ

**Notice of Intent** 

Sundry ID: 2699639

Type of Submission: Notice of Intent

Date Sundry Submitted: 10/25/2022

Date proposed operation will begin: 11/15/2022

Type of Action: Plug and Abandonment Time Sundry Submitted: 12:40

**Procedure Description:** Matador is requesting to plug and abandon the Young Deep Unit #33, per the required COA, following the procedure below: • Notify BLM 24 hrs before MIRU. • Safety mtg, MIRU, check pressures, ND wellhead, NU BOPs & POOH w/ rods & tbg. • Set CIBP @ 8,700'. Pressure test csg. Circ. and displace hole w/ MLF. • Spot 25 sks CI H cmt on CIBP. WOC & Tag. (Isolate perfs) • Spot 25 sks CI C cmt @ 6,130'. (Bone Springs) • Spot 25 sks CI C cmt @ 5,060'. (Delaware) • Spot 65 sks CI C cmt @ 4,350'. (Grayburg & Queen) • Perf @ 3,175' & Sqz 150 sks CI C cmt @ 1,260'. (Rustler) • Perf @ 325' & sqz CI C cmt to surface on all strings. WOC & Tag. (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\_33\_Planned\_PA\_WBD\_20221025124031.pdf

Young\_Deep\_Unit\_33\_Current\_WBD\_20221025123533.pdf

Received by OCD: 12/5/2022 2:56:23 PM Well Name: YOUNG DEEP UNIT	Well Location: T18S / R32E / SEC 3 / SWSW /	County or Parish/State: LER 2 of 16 NM
Well Number: 33	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM11118	Unit or CA Name: YOUNG DEEP UNIT - BONE SP	Unit or CA Number: NMNM71067B
US Well Number: 3002533462	Well Status: Producing Oil Well	Operator: MATADOR PRODUCTION COMPANY

## **Conditions of Approval**

#### **Specialist Review**

YOUNG\_DEEP\_UNIT\_33\_\_\_2699639\_\_\_COA\_AND\_PROCEDURE\_20221203094659.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: OCT 25, 2022 12:39 PM

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory Analyst

Street Address: 5400 LBJ FREEWAY, STE 1500

City: DALLAS

Phone: (972) 629-2160

Email address: BRETT.JENNINGS@MATADORRESOURCES.COM

State: TX

Field

Representative Name: Street Address: City: Phone:

Email address:

State:

Zip:

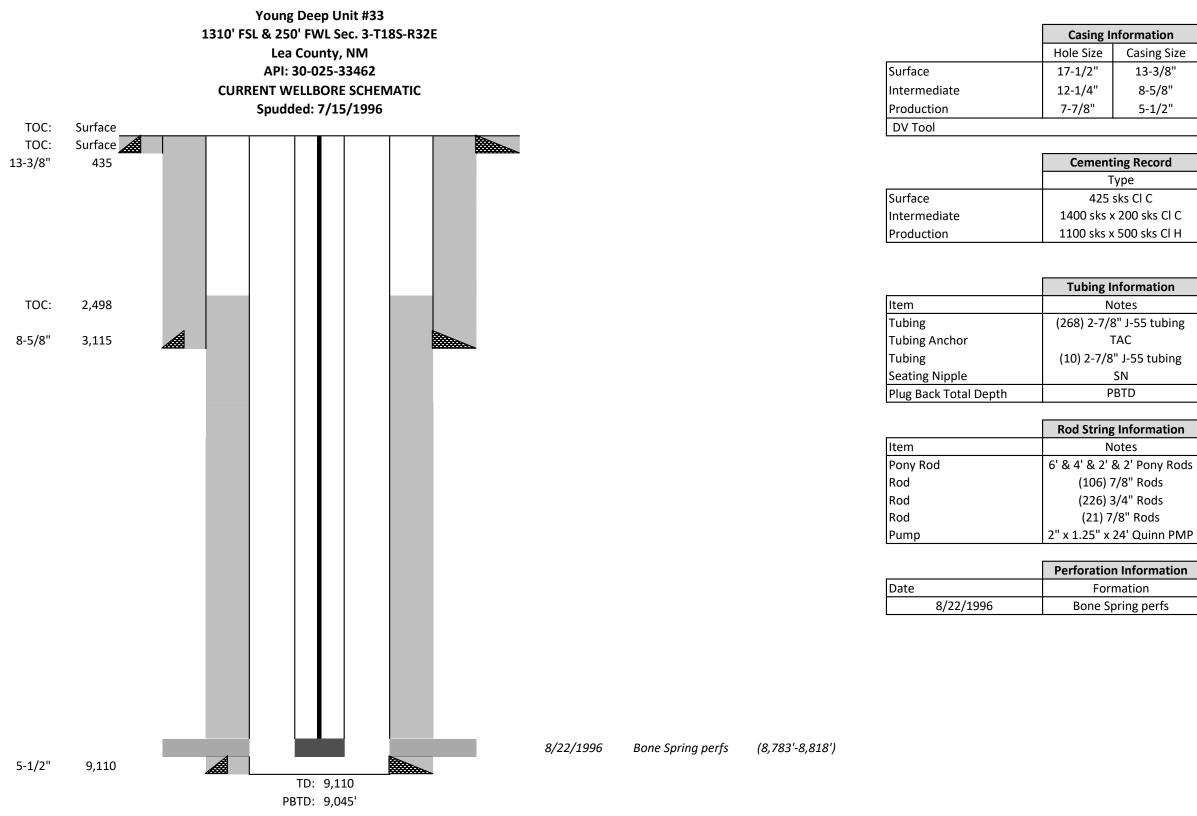
## **BLM Point of Contact**

BLM POC Name: KEITH P IMMATTY BLM POC Phone: 5759884722 Disposition: Approved Signature: Keith Immatty BLM POC Title: ENGINEER

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition Date: 12/03/2022

: Matador is requesting to plug and abandon the Young Deep Unit #33, per the required COA, following the procedure below: • Notify BLM 24 hrs before MIRU. • Safety mtg, MIRU, check pressures, ND wellhead, NU BOPs & POOH w/ rods & tbg. • Set CIBP @ 8,700'. Pressure test csg. Circ. and displace hole w/ MLF. • Spot 25 sks Cl H cmt on CIBP. WOC & Tag. (Isolate perfs) • Spot 25 sks Cl C cmt @ 6,130'. (Bone Springs) • Spot 25 sks Cl C cmt @ 5,060'. (Delaware) • Spot 65 sks Cl C cmt @ 4,350'. (Grayburg & Queen) • Perf @ 3,175' & Sqz 150 sks Cl C cmt into intermediate casing shoe. WOC & Tag. (7 Rivers, Intermediate Shoe, & Yates) • Spot 25 sks Cl C cmt @ 1,260'. (Rustler) • Perf @ 325' & sqz Cl C cmt to surface on all strings. WOC & Tag. (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.



on				
Size	Туре	Weight (lb/ft)	Joints	Depth Set
/8"	H-40	48#	9	435
8"	J-55	32#	79	3,115
2"	J-55	17#	204	9,110

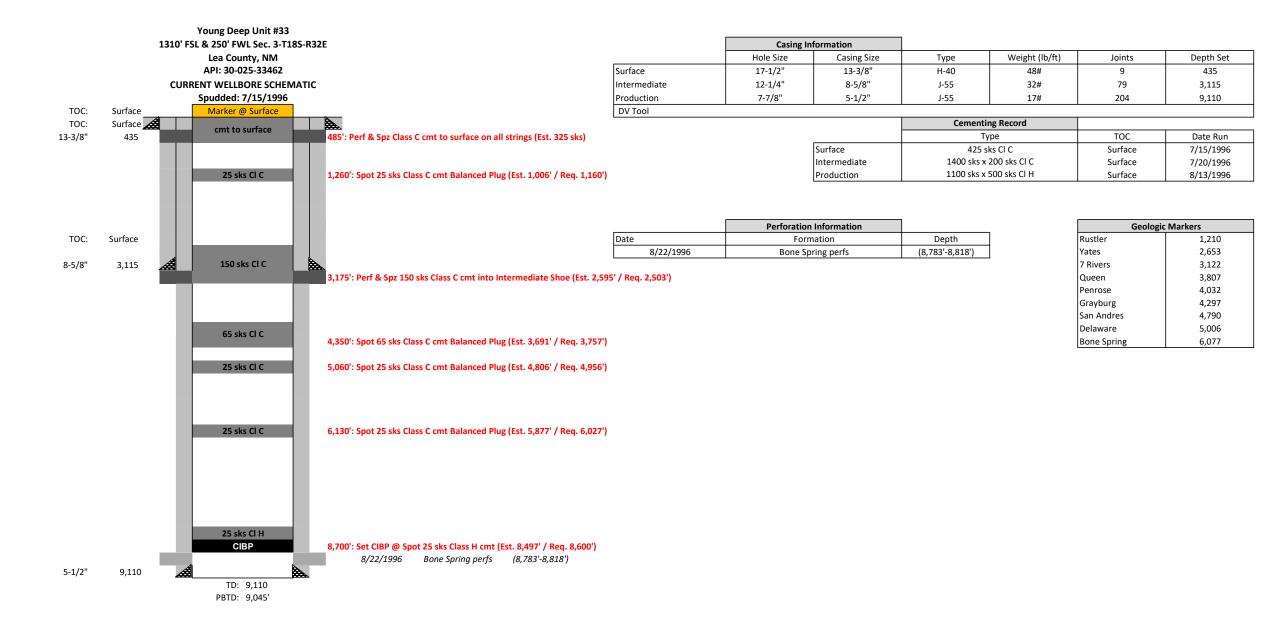
r K	

~		
	TOC	Date Run
	Surface	7/15/1996
CI C	Surface	7/20/1996
CI H	2498	8/13/1996

on	
	Depth
oing	
	8,550'
ing	
	8,871'
	9,045'

Geologic Markers				
Rustler	1,210			
Yates	2,653			
7 Rivers	3,122			
Queen	3,807			
Penrose	4,032			
Grayburg	4,297			
San Andres	4,790			
Delaware	5,006			
Bone Spring	6,077			

tion	
	Depth
S	(8,783'-8,818')



Matador is requesting to plug and abandon the Young Deep Unit #33, per the required COA, following the procedure below:

- Notify BLM 24 hrs before MIRU.
- Safety mtg, MIRU, check pressures, ND wellhead, NU BOPs & POOH w/ rods & tbg.
- Set CIBP @ 8,700'. Pressure test csg. 500psi, 30mins. Circ. and displace hole w/ MLF.
- Spot 25 sks Cl H cmt on CIBP. WOC & Tag. (Isolate perfs)
- Spot 25 sks Cl C cmt @ 6,130'. (Bone Springs)
- Spot 25 sks Cl C cmt @ 5,060'. (Delaware)
- Spot 65 sks Cl C cmt @ 4,350'. (Grayburg & Queen)

• Perf @ 3,175' & Sqz Spot from 3165' to 2576' 150 sks Cl C cmt into intermediate casing shoe. WOC & Tag. (7 Rivers, Intermediate Shoe, & Yates)

- Perf and sqz 30 sks Cl C cmt @ 1,500'. (TOS)
- Spot 25 sks Cl C cmt @ 1,260'. (Rustler)
- Perf @ 485' & sqz Cl C cmt to surface on all strings. Verify circulated to surface. (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

Surface

435

Surface

TOC: TOC:

TOC:

13-3/8"

Young Deep Unit #33 1310' FSL & 250' FWL Sec. 3-T18S-R32E Lea County, NM API: 30-025-33462 CURRENT WELLBORE SCHEMATIC Spudded: 7/15/1996

Marker @ Surface

cmt to surface

25 sks Cl C

150 sks Cl C

							P
		Casing	Information	1			
		Hole Size	Casing Size	Туре	Weight (lb/ft)	Joints	Depth Set
	Surface	17-1/2"	13-3/8"	H-40	48#	9	435
	Intermediate	12-1/4"	8-5/8"	J-55	32#	79	3,115
	Production	7-7/8"	5-1/2"	J-55	17#	204	9,110
	DV Tool					_	
				Cementi	ng Record		
Perf & Spz Class C cmt to surface on all strings (Est. 325 sks)				Ту	уре	тос	Date Run
			Surface		ks Cl C	Surface	7/15/1996
			Intermediate		200 sks Cl C	Surface	7/20/1996
: Spot 25 sks Class C cmt Balanced Plug (Est. 1,006' / Req. 1,16	0')		Production	1100 sks x	500 sks Cl H	Surface	8/13/1996
S Plug: Perf and sqz 30sx 1500' to 1385'. WOC and Tag							
		Perforatio	on Information	]	_	Geologi	ic Markers
	Date	Fo	rmation	Depth		Rustler	1,210
	8/22/1996	Bone	Spring perfs	(8,783'-8,818')		Yates	2,653
						7 Rivers	3,122
Perf & Spz 150 sks Class C cmt into Intermediate Shoe (Est. 2	<del>,595' / Req. 2,503')</del>					Queen	3,807
TOC@2498'. Spot OK from 3165' to 2576'						Penrose	4,032
						Grayburg	4,297
						San Andres	4,790

Delaware

Bone Spring TOS: 1450'

5,006

6,077

8-5/8" 3,115 3<del>,175': Perf & Spz</del> 150 sks Class C cmt into Intermediate Shoe TOC@2498'. Spot OK from 3165' to 2576' 65 sks Cl C 4,350': Spot 65 sks Class C cmt Balanced Plug (Est. 3,691' / Req. 3,757') 25 sks Cl C 5,060': Spot 25 sks Class C cmt Balanced Plug (Est. 4,806' / Req. 4,956') 25 sks Cl C 6,130': Spot 25 sks Class C cmt Balanced Plug (Est. 5,877' / Req. 6,027') 25 sks Cl H CIBP 8,700': Set CIBP @ Spot 25 sks Class H cmt (Est. 8,497' / Req. 8,600') Leak test 500psi, 30mins Bone Spring perfs (8,783'-8,818') 8/22/1996 5-1/2" 9,110 Á TD: 9,110 PBTD: 9,045'

Sundry ID	2699639					
Plug Type	Тор	Bottom	Length	Tag	Sacks	Notes
				Verify circulated		
Surface Plug	0.00	485.00	485.00	to surface	325.00	
	000.05	405.00	404.05	WOC and	005.00	Operator bringing surface shoe plug to
Shoe Plug	380.65	485.00	104.35	- V	325.00	surface
Top of Salt @ 1450	1385.50	1500.00	114.50	WOC and Tag	30.00	Perf and sqz
Yates @ 2653	2576.47	2703.00	126.53	WOC and Tag	150.00	Same as below plug
Shoe Plug	3033.85	3165.00	131.15	WOC and Tag	150.00	
Delaware @ 5006	4905.94	5056.00	150.06		25.00	
Bonesprings @ 6077	5966.23	6127.00	160.77		25.00	
	0005.00	0700.00	05.00	Verify CIBP	05.00	Leak test 500psi,
CIBP Plug	8665.00	8700.00	35.00	depth	25.00	30mins

No more than 2000' is to be allowed between plu	ugs 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 po	ssible.
Critical, High Cave Karst: Cave Karst depth to s	urface
R111P: Solid plug in all annuli - 50' from bottom	of salt to surface.

Class C: 1.32 ft^3/sx		
Class H: 1.06 ft^3/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
Shoe @	435.00		
Shoe @	3115.00		
Shoe @	9110.00		
Perforatons Top @	8783.00	Perforations	8818.00

CIBP @ 8700.00

### 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 <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 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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 575-689-5981.

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>Below Ground Level Cap (Lesser Prairie-Chicken Habitat)</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 10<sup>th</sup> day, the <b>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 <sup>1</sup>/<sub>4</sub> inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

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. <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 objectives.

<u>**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:</u></u> From March 1<sup>st</sup> through June 15<sup>th</sup> 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</u>** 



# **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/all contaminants, scrap/trash, equipment, pipelines and powerlines (Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope 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:

Jim Amos Supervisory Petroleum Engineering Tech/Environmental Protection Specialist 575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias Environmental Protection Specialist 575-234-6230

Crisha Morgan Environmental Protection Specialist 575-234-5987

Jose Martinez-Colon Environmental Protection Specialist 575-234-5951

Mark Mattozzi Environmental Protection Specialist 575-234-5713

Robert Duenas Environmental Protection Specialist 575-234-2229

Trishia Bad Bear, Hobbs Field Station Natural Resource Specialist 575-393-3612 Received by OCD: 12/5/2022 2:56:23 PM

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 Dia Prozes Dd. Arteo NM 97410

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

COMMENTS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	163997
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

#### COMMENTS

Created By		Comment Date
plmartinez	DATA ENTRY PM	3/1/2023

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Action 163997

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

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	163997
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

#### CONDITIONS

Created By		Condition Date
kfortner	Like approval from BLM	2/28/2023

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Action 163997