# Sundry Print Report

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

Well Number: 4

Well Name: ARCO 8 FEDERAL Well Location: T18S / R31E / SEC 8 / County or Parish/State: EDDY /

SESW /

Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMLC029393A Unit or CA Name: Unit or CA Number:

US Well Number: 300152718500S1 Well Status: Producing Oil Well Operator: MATADOR

PRODUCTION COMPANY

Accepted for Record Only

SUBJECT TO LIKE APPROVAL BY BLM



NMOCD 5/1/23

#### **Notice of Intent**

Sundry ID: 2716683

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 02/20/2023 Time Sundry Submitted: 02:53

Date proposed operation will begin: 04/10/2023

Procedure Description: Matador is requesting to plug and abandon the Arco 8 Federal #004, per the required BLM COAs, following the procedure below: • Notify BLM 24 hrs before MIRU. • Safety mtg, MIRU, check pressures, ND wellhead, NU BOPs & POOH w/ tbg. • TIH & spot 25 sks Class C cmt on top of CIBP at 3,680'. • RIH & Set CIBP at 3,020'; Pressure test csg to 500 psi; Circulate and displace hole w/ MLF. • Spot 65 sks CI C cmt on CIBP; WOC & Tag. (Isolate open perforations & est. TOC) • Perf @ 2,150' & sqz 125 sks CI C cmt. WOC & Tag. (Intermediate Shoe, Yates, & Base of Salt) • Perf @ 835' & sqz CI C cmt to surface on all strings. WOC & Tag. (Top of Salt & 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**

Arco\_8\_Federal\_004\_Planned\_P\_A\_WBD\_20230220145255.pdf

Arco\_8\_Federal\_004\_Current\_WBD\_20230220145220.pdf

eceived by OCD: 5/1/2023 3:03:44 PM Well Name: ARCO 8 FEDERAL

Well Location: T18S / R31E / SEC 8 /

SESW /

County or Parish/State: EDDY? of

NM

Well Number: 4

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC029393A

**Unit or CA Name:** 

**Unit or CA Number:** 

**US Well Number: 300152718500S1** 

Well Status: Producing Oil Well

**Operator: MATADOR** PRODUCTION COMPANY

# **Conditions of Approval**

### **Specialist Review**

ARCO 8 FEDERAL 4 2716683 COA AND PROCEDURE 20230324145137.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: FEB 20, 2023 02:53 PM

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 Phone:** 5759884722

**Disposition:** Approved

Signature: KEITH IMMATTY

**BLM POC Title: ENGINEER** 

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition Date: 03/24/2023

Page 2 of 2

Matador is requesting to plug and abandon the Arco 8 Federal #004, per the required BLM COAs, following the procedure below:

- Notify BLM 24 hrs before MIRU.
- Safety mtg, MIRU, check pressures, ND wellhead, NU BOPs & POOH w/ tbg.
- TIH & spot 25 sks Class C cmt on top of CIBP at 3,680'.
- RIH & Set CIBP at 3,020'; Pressure test csg to 500 psi, 30mins; Circulate and displace hole w/ MLF.
- Spot 65 sks Cl C cmt on CIBP; WOC & Tag. (Isolate open perforations & est. TOC)
- Perf @ 2,150' & sqz 125 sks Cl C cmt. WOC & Tag at **1677' or higher**. (Intermediate Shoe, Yates, & Base of Salt)
- Perf @ 835' & sqz Cl C cmt to surface on all strings. WOC & Tag. (Top of Salt & Surface Shoe)
- Cut off wellhead and ensure cmt to surface on all csg strings.
- Install dry hole marker per BLM/NMOCD specifications.

<sup>\*</sup>Current and proposed wellbore diagrams attached

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

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#### Arco 8 Fed #4 660' FSL & 1980' FWL Sec. 8-T18S-R31E **Casing Information Eddy County, NM** Hole Size Casing Size Weight (lb/ft) Depth Set Type Joints API: 30-015-27185 Surface 17-1/2" 13-3/8" J-55 54.5# 378 9 **CURRENT WELLBORE SCHEMATIC** Intermediate 12-1/4" 8-5/8" J-55 32# 48 2,100 Spudded: 11/10/1992 Production 7-7/8" 5-1/2" J-55 17# 194 8,610 Marker @ Surface TOC: Surface DV Tool Surface TOC: 378 Class C Cmt to Surface 13-3/8" 835': Perf & Sqz Class C cmt to surface on all strings (Est. ~225 sks) (Top of Salt & Surface Shoe) 8-5/8" 2,100 125 sks Class C Cmt 2,150': Perf & Sqz 125 sks Class C cmt (Req. 1,695') (Intermediate Shoe, Yates, & Base of Salt) 1,677' **Geologic Markers** 65 sks Class C Cmt TOC: 2,460' (CBL) Rustler 501 3,020': Set CIBP @ Spot 65 sks Class C cmt of top of CIBP (Est. 2,361' / Req. 2,410') (Open Perfs & TOC) Leak test CIBP 500psi, 30mins CIBP T. Salt 785 7/7/2004 (3,102-3,110') B. Salt 1,745 Queen Cowden Anhydrite 1,578 25 sks Class C Cmt 3,680': Spot 25 sks Class C cmt plug on top of CIBP (Req. 3,580'/Est. 3,426') Yates 1,943 CIBP 7/7/2004 7 Rivers 2,346 (3,680')2/17/1993 Grayburg (3,745-3,818') Bowers 2,814 3,076 Queen **Cementing Record** Penrose 3,309 Type TOC Date Run Grayburg 3,620 Surface 375 sks Cl C 11/12/1992 Surface San Andres 4,096 Intermediate 800 sks x 200 sks CI C Surface 11/17/1992 Delaware 4,772 1100 x 400sks Cl H 12/9/1992 5,368 Production 2,460' (CBL) **Bone Spring Perforation Information** Date Formation Depth Squeezed 7/7/2004 Queen (3,102-3,110') 2/17/1993 Grayburg (3,745-3,818')50' of cmt 12/17/1992 Bone Spring perfs (7,744'-7,752')1/8/1993 CIBP 3/18/1993 (7,700' w/50' cmt) 12/15/1992 **Bone Spring perfs** (7,774'-7,788')1/8/1993 CIBP 12/9/1992 12/17/1992 Bone Spring perfs (7,744'-7,752') Bone Spring perfs (7,871'-7,891') 1/8/1993 12/15/1992 Bone Spring perfs (7,774'-7,788') 12/9/1992 Bone Spring perfs (7,989'-8,441') 1/8/1993

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12/9/1992 Bone Spring perfs (7,871'-7,891') 12/9/1992 Bone Spring perfs (7,989'-8,441')

5-1/2"

8,610

TD:

PBTD:

8,610

3,680'

# 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. 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 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 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.

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. **Show date well was plugged.**
- 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.

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

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



# **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.

- 1. 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 of well abandonment.
- 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

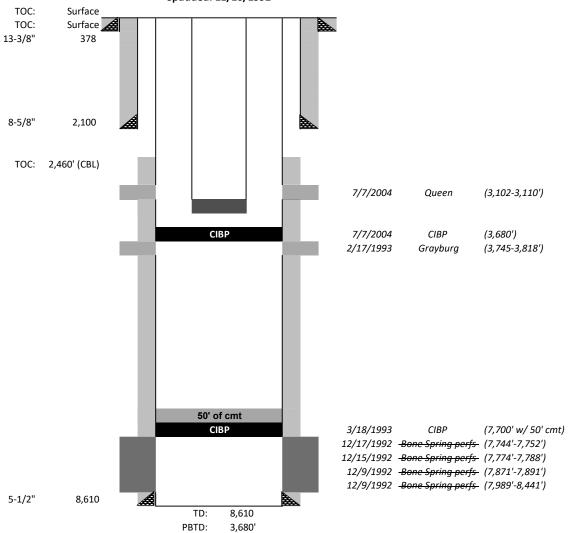
Trishia Bad Bear, Hobbs Field Station Natural Resource Specialist 575-393-3612 Matador is requesting to plug and abandon the Arco 8 Federal #004, per the required BLM COAs, following the procedure below:

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- \*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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# Arco 8 Fed #4 660' FSL & 1980' FWL Sec. 8-T18S-R31E Eddy County, NM API: 30-015-27185 CURRENT WELLBORE SCHEMATIC

Spudded: 11/10/1992



	Casing Information					
	Hole Size	Casing Size	Туре	Weight (lb/ft)	Joints	Depth Set
Surface	17-1/2"	13-3/8"	J-55	54.5#	9	378
Intermediate	12-1/4"	8-5/8"	J-55	32#	48	2,100
Production	7-7/8"	5-1/2"	J-55	17#	194	8,610
DV Tool	•	•	•	•		

	Cementing Record		
	Туре	TOC	Date Run
Surface	375 sks Cl C	Surface	11/12/1992
Intermediate	800 sks x 200 sks Cl C	Surface	11/17/1992
Production	1100 x 400sks Cl H	2,460' (CBL)	12/9/1992

	Tubing Information	
Item	Notes	Depth
Tubing	(92) tubing	
TAC	Tubing Anchor	3,040'
Tubing	(5) tubing	
SN	Seating Nipple	3,207'
PBTD	Plug Back Total Depth	3,680'

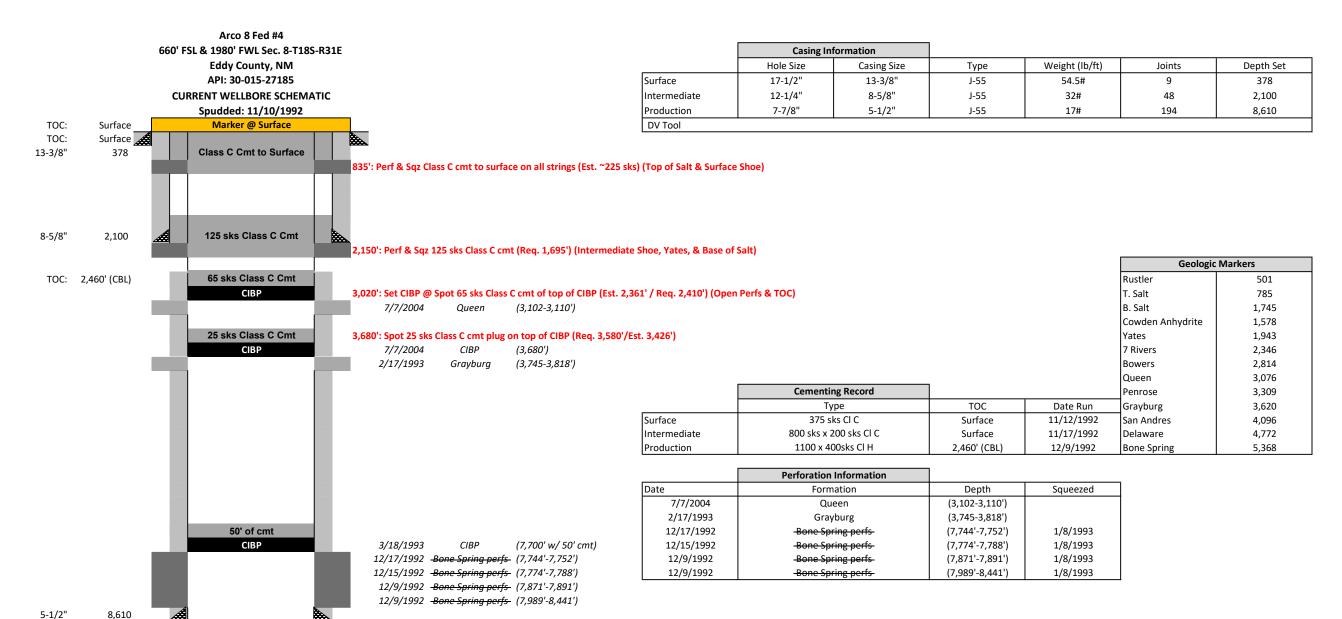
	Rod String Information
Item	Notes - Removed 9/22/23
Pony Rod	
Rod	
Rod	
Pump	

Geologic Markers		
Rustler	501	
T. Salt	785	
B. Salt	1,745	
Cowden Anhydrite	1,578	
Yates	1,943	
7 Rivers	2,346	
Bowers	2,814	
Queen	3,076	
Penrose	3,309	
Grayburg	3,620	
San Andres	4,096	
Delaware	4,772	
Bone Spring	5,368	

	Perforation Information		
Date	Formation	Depth	Squeezed
7/7/2004	Queen	(3,102-3,110')	
2/17/1993	Grayburg	(3,745-3,818')	
12/17/1992	Bone Spring perfs	(7,744'-7,752')	1/8/1993
12/15/1992	Bone Spring perfs	(7,774'-7,788')	1/8/1993
12/9/1992	Bone Spring perfs	(7,871'-7,891')	1/8/1993
12/9/1992	Bone Spring perfs	(7,989'-8,441')	1/8/1993

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TD:

PBTD:

8,610

3,680'

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

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

Action 212314

#### **COMMENTS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	212314
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

#### COMMENTS

Created By		Comment Date
plmartinez	DATA ENTRY PM	5/1/2023

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

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 212314

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	212314
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

#### CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	5/1/2023