

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

<b>Well Name:</b> ARCO 8 FEDERAL	<b>Well Location:</b> T18S / R31E / SEC 8 / NWSE / 32.7601601 / -103.8895884	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMLC029393A	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001527130	<b>Well Status:</b> Producing Oil Well	<b>Operator:</b> MATADOR PRODUCTION COMPANY

Accepted for record –NMOCD gc9/15/2023

**LONG VO**  
Digitally signed by LONG VO  
Date: 2023.09.06 08:12:56 -05'00'

**Notice of Intent**

**Sundry ID:** 2746399

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 08/16/2023

**Time Sundry Submitted:** 09:43

**Date proposed operation will begin:** 09/09/2023

**Procedure Description:**

Matador is requesting to plug and abandon the Arco 8 Federal #002, 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.

1. RIH & set CIBP at 7,300'; Pressure test csg to 500 psi for 30 minutes; Circulate and displace hole w/ MLF. Spot 25 sks Class C cmt on top of CIBP; WOC & Tag (Isolate perforations).
2. Spot a 30 sk balanced plug of Class C cmt at 5421' (Bone Spring).
3. Spot a 35 sk balanced plug of Class C cmt at 4730' (Delaware).
4. Spot 25 sxs balance plug of Class C cmt at 3885'. (Capitan Reef)
5. Perf & Squeeze 142 sks Class C cmt at 2,150'; WOC & Tag (Intermediate shoe, Yates, & Bottom of Salt). If no injection at shoe, Spot 60 sks Class C cmt @ 1547' to cover Intermediate shoe, Yates, & Bottom of Salt; WOC & Tag.
6. Perf @ 731' & Squeeze CI C cmt to surface on all strings. (Top of Salt & Surface shoe) (In 73 sxs/Out 99 sxs)
7. 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 25sks/100 bbls water will be spotted between each plug.

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

Arco\_8\_Federal\_\_002\_Planned\_P\_A\_WBD\_20230816094109.pdf

Arco\_8\_Federal\_\_002\_Current\_WBD\_20230816094054.pdf

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County or Parish/State: EDDY / NM

Well Number: 2

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC029393A

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001527130

Well Status: Producing Oil Well

Operator: MATADOR PRODUCTION COMPANY

**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: AUG 16, 2023 09:42 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:

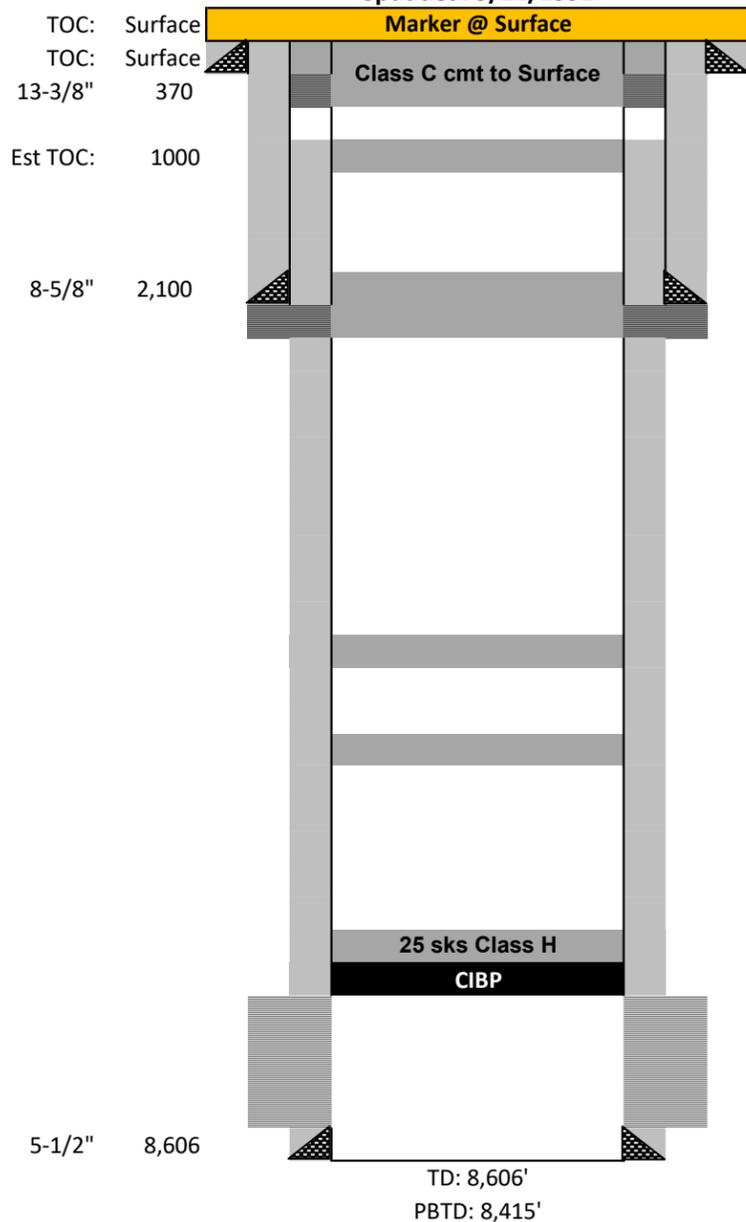
State:

Zip:

Phone:

Email address:

**Arco 8 Federal #002**  
**1980' FSL & 1980' FWL Sec. 8-T18S-R31E**  
**Eddy County, NM**  
**API: 30-015-27130**  
**Planned P&A WELLBORE SCHEMATIC**  
**Spudded: 9/21/1992**



10/31/1992	Bone Spring perfs	(7,356-7,503')
10/31/1992	<del>CIBP</del>	<del>(7,710')</del>
10/1992	Bone Spring perfs	(7,717-7,735')
10/1992	Bone Spring perfs	(7,770'-7,977')
10/1992	Bone Spring perfs	(8,256'-8,330')

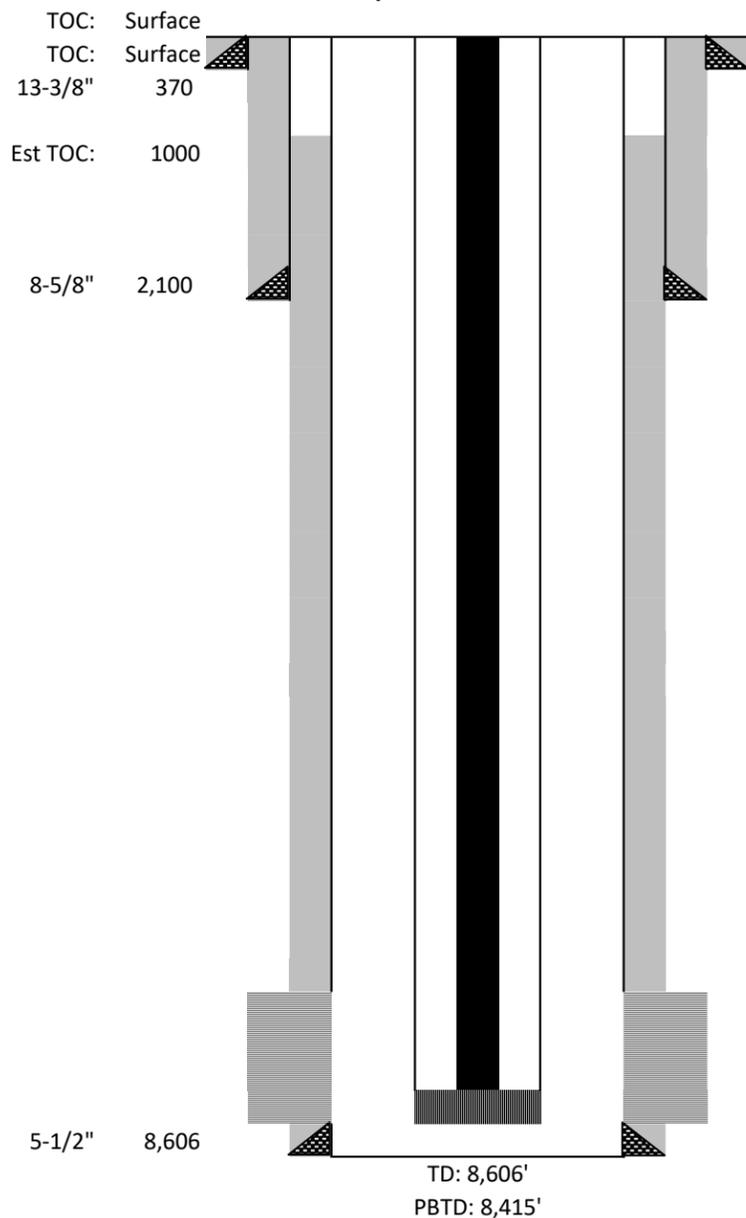
Casing Information						
	Hole Size	Casing Size	Type	Weight (lb/ft)	Joints	Depth Set
Surface	17-1/2"	13-3/8"	J-55	54.5#	10	370
Intermediate	12-1/4"	8-5/8"	J-55	32#	48	2,100
Production	7-7/8"	5-1/2"	J-55	17#	199	8,606
					Marker Joint	
					6970	7004

Geologic Markers	
Rustler	550
Salt	725
Salt	1,780
Yates	1967 / 1935
7 Rivers	2340 / 2370
Queen	3098 / 3095
Grayburg	3627 / 3630
San Andres	4082 / 4090
Delaware	4680 / 4830
Bone Spring	5371 / 5450

Cementing Record			
	Type	TOC	Date Run
Surface	375 sks CI C	Surface	9/22/1992
Intermediate	850 sks x 200 sks CI C	Surface	9/24/1992
Production	1100 sks x 400 sks CI H	1000	10/12/1992

Perforation Information			
Date	Formation	Depth	Squeezed
10/31/1992	Bone Spring perfs	(7,356-7,503')	
10/21/1992	Bone Spring perfs	(7,717-7,735')	
10/16/1992	Bone Spring perfs	(7,770'-7,810')	
10/21/1992	Bone Spring perfs	(7,830-7,846')	
10/14/1992	Bone Spring perfs	(7,874'-7,884')	
10/23/1992	Bone Spring perfs	(7,939'-7,977')	
10/14/1992	Bone Spring perfs	(8,256'-8,330')	

**Arco 8 Federal #002**  
**1980' FSL & 1980' FWL Sec. 8-T18S-R31E**  
**Eddy County, NM**  
**API: 30-015-27130**  
**CURRENT WELLBORE SCHEMATIC**  
**Spudded: 9/21/1992**



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Production	1100 sks x 400 sks CI H	1000	10/12/1992	

Marker Joint	
6970	7004

Tubing Information		
Item	Notes	Depth
Tubing	(220) tubing	
TAC	Tubing Anchor	7,250'
Tubing	(35) tubing	
SN	Seating Nipple	8,404'
SND SCRIN		
BP		
PBTD	Plug Back Total Depth	8,525'

Geologic Markers	
Rustler	550
Salt	725
Salt	1,780
Yates	1,967
7 Rivers	2,340
Queen	3,098
Grayburg	3,627
San Andres	4,082
Delaware	4,680
Bone Spring	5,371

Rod String Information	
Item	Notes
Pony Rod	NA
Rod	(88) 7/8" Rods
Rod	(223) 3/4" Rods
Rod	(21) 7/8" Rods
Pump	2" x 1.25" x 24' W/BOC

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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 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. **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. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

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. 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 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 pre-disturbance 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

Doris Lauger Martinez  
Environmental Protection Specialist  
575-234-5926

Jaden Johnston  
Environmental Protection Asst. (Intern)  
575-234-6252

Sundry ID		2746399					
Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Shoe Plug	316.30	420.00	103.70	Tag/Verify			
Top of Salt @ 681	624.19	731.00	106.81	Tag/Verify	172.00	C	Perf and squeeze from 731' to surface. Verify at surface. (In 73 sxs/Out 99 sxs)
Base of Salt @ 1614	1547.86	1664.00	116.14	Tag/Verify			
Yates @ 1967	1897.33	2017.00	119.67	If solid			
Shoe Plug	2029.00	2150.00	121.00	Tag/Verify	60.00	C	Spot cement from 2150' to 1547'. WOC and Tag.
Capitan Reef @ 3835	3746.65	3885.00	138.35	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Spot cement from 3885' to 3746'.
Delaware @ 4680	4583.20	4730.00	146.80	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Spot cement from 4730' to 4583'.

				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
<b>Bonesprings @ 5371</b>	5267.29	5421.00	153.71		25.00	C	Spot cement from 5421' to 5267'.
				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
<b>CIBP Plug</b>	7265.00	7300.00	35.00		25.00	C	Set CIBP at 7300'. Spot 25 sxs on top. Leak test CIBP.
<b>Perforations Plug (If No CIBP)</b>	7306.00	7553.00	247.00	Tag/Verify			
<b>Shoe Plug</b>	8469.94	8656.00	186.06	Tag/Verify			

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.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

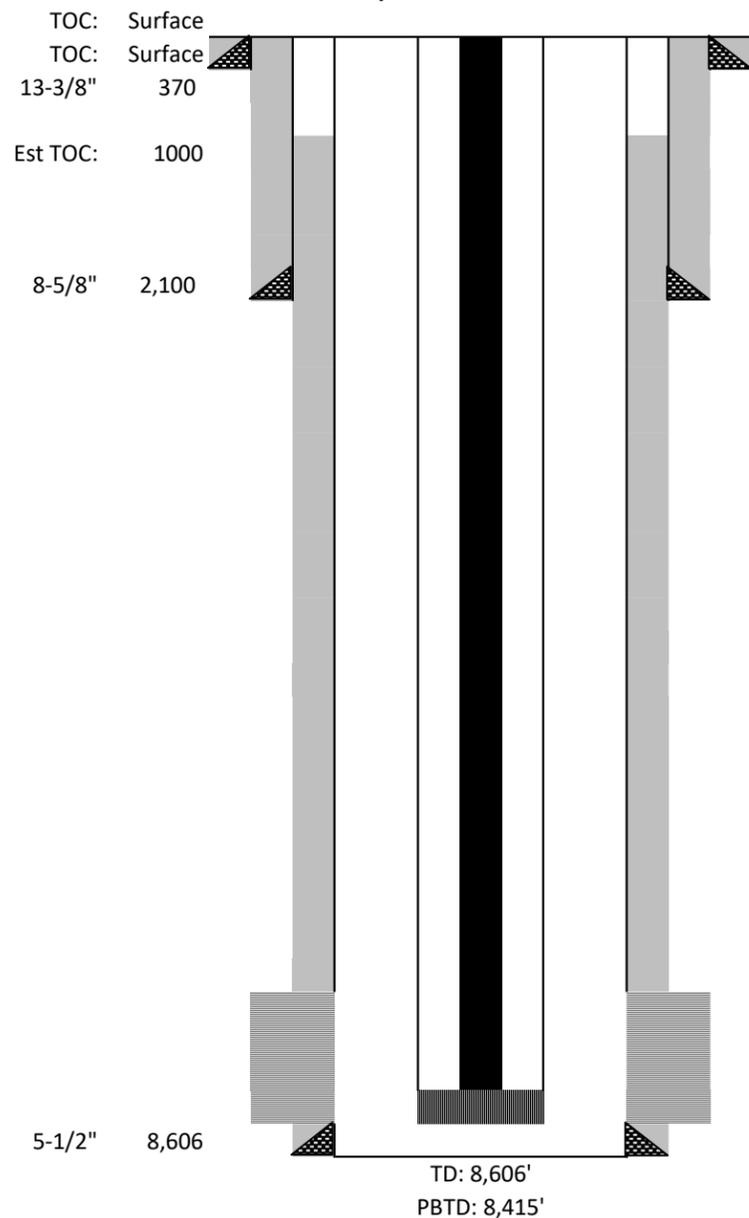
Class C: 1.32 ft<sup>3</sup>/sx

Class H: 1.06 ft<sup>3</sup>/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		
Shoe @	370.00		
Shoe @	2100.00		
Shoe @	8606.00	TOC @	1000.00
Perforatons Top @	7356.00	Perforations	7503.00
		CIBP @	7300.00

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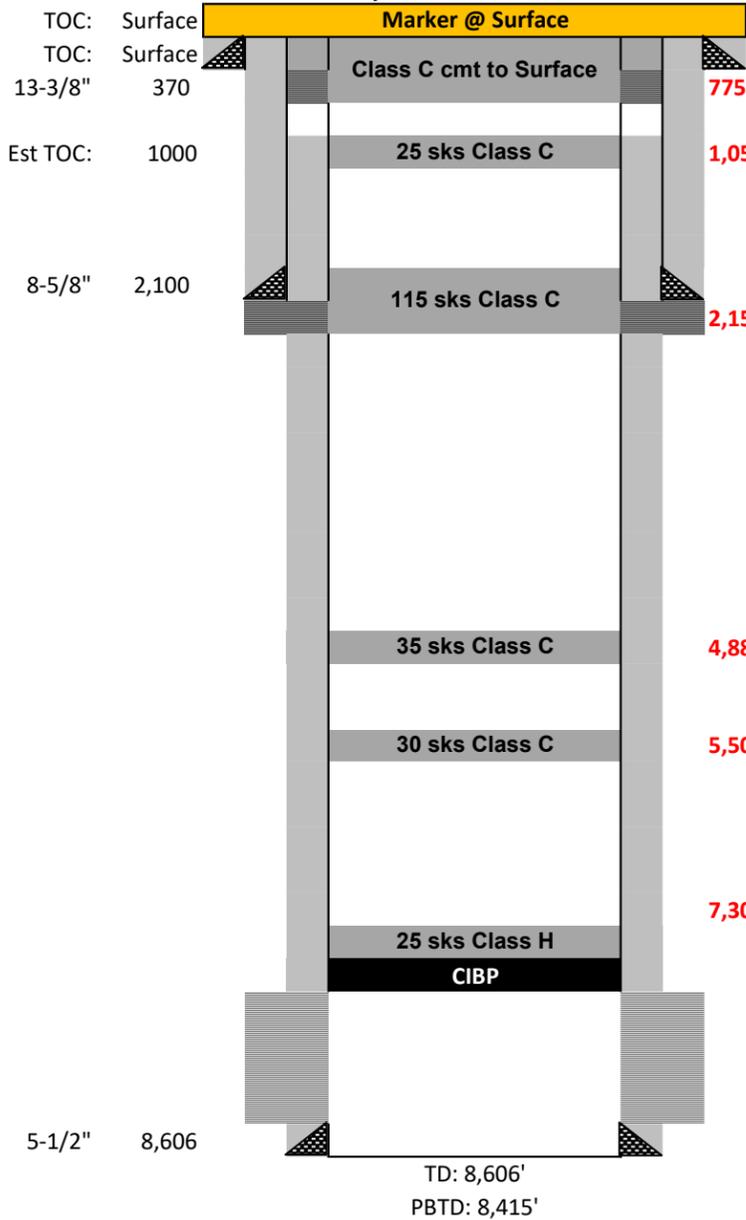
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775': Perf & Sqz Class C cmt to surface on all strings (Est. ~500 sks) (Top of Salt & Surface Shoe)

1,050': Spot 25 sks Class C cmt (Req. 950') (Est. TOC)

2,150': Perf & Sqz 115 sks Class C cmt (Req. 1,730') (Intermediate Shoe, Yates, & Base of Salt); WOC & Tag (Spot 50 sks Class C cmt Balanced Plug @ 2,200' if no injection is established)

4,880': Spot 35 sks Class C cmt (Delaware)

5,500': Spot 30 sks Class C cmt (Bone Spring)

7,300': Set CIBP @ Spot 25 sks Class H cmt; WOC & Tag (Est. 7,096') (Open Perforations)

10/31/1992	Bone Spring perfs	(7,356-7,503')
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	Hole Size	Casing Size	Type	Weight (lb/ft)	Joints	Depth Set
Surface	17-1/2"	13-3/8"	J-55	54.5#	10	370
Intermediate	12-1/4"	8-5/8"	J-55	32#	48	2,100
Production	7-7/8"	5-1/2"	J-55	17#	199	8,606
Marker Joint						
					6970	7004

Geologic Markers	
Rustler	550
Salt	725
Salt	1,780
Yates	1967 / 1935
7 Rivers	2340 / 2370
Queen	3098 / 3095
Grayburg	3627 / 3630
San Andres	4082 / 4090
Delaware	4680 / 4830
Bone Spring	5371 / 5450

Cementing Record			
	Type	TOC	Date Run
Surface	375 sks CI C	Surface	9/22/1992
Intermediate	850 sks x 200 sks CI C	Surface	9/24/1992
Production	1100 sks x 400 sks CI H	1000	10/12/1992

Perforation Information			
Date	Formation	Depth	Squeezed
10/31/1992	Bone Spring perfs	(7,356-7,503')	
10/21/1992	Bone Spring perfs	(7,717-7,735')	
10/16/1992	Bone Spring perfs	(7,770'-7,810')	
10/21/1992	Bone Spring perfs	(7,830-7,846')	
10/14/1992	Bone Spring perfs	(7,874'-7,884')	
10/23/1992	Bone Spring perfs	(7,939'-7,977')	
10/14/1992	Bone Spring perfs	(8,256'-8,330')	

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
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**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 262530

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 262530
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	9/15/2023