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

Sundry Print Report

04/05/2023

Well Name: YOUNG DEEP UNIT	**Well Location:** T18S / R32E / SEC 9 / NESW /	**County or Parish/State:** LEA / NM
Well Number: 18	**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: 3002531359	**Well Status:** Producing Oil Well	**Operator:** MATADOR PRODUCTION COMPANY

Accepted for Record Only SUBJECT TO LIKE APPROVAL BY BLM NMOCD 4/10/23 KF

Notice of Intent

Sundry ID: 2724298

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/04/2023

Time Sundry Submitted: 12:37

Date proposed operation will begin: 04/15/2023

Procedure Description: Matador is requesting to plug and abandon the Young Deep Unit #018, 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/ rods & tbg. • RIH & Set CIBP at 8,100'; Pressure test csg to 500 psi; Circulate and displace hole w/ MLF. • Spot 25 sks Cl H cmt on CIBP; WOC & Tag. (Isolate open perforations) • Spot 135 sk balanced plug Cl C cmt at 6,420' (Bone Spring & Delaware) • Perf @ 2,770' & Sqz 70 sks Cl C cmt. WOC & Tag. (Intermediate Shoe & Yates) • Spot 25 sk balanced plug Cl c cmt at 1,690'. (Production casing TOC) • Perf @ 483' & 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.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Young_Deep_Unit_18_Planned_P_A_WBD_20230404123722.pdf

Young_Deep_Unit_18_Current_WBD_20230404123659.pdf

Well Name: YOUNG DEEP UNIT

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

County or Parish/State: LEA / NM

Well Number: 18

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: 3002531359

Well Status: Producing Oil Well

Operator: MATADOR PRODUCTION COMPANY

Conditions of Approval

Specialist Review

YOUNG_DEEP_UNIT_18___2724298___COA_AND_PROCEDURE_20230405093117.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: APR 04, 2023 12:37 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 Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 04/05/2023

Signature: KEITH IMMATTY

Matador is requesting to plug and abandon the Young Deep Unit #018, 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/ rods & tbg.
- RIH & Set CIBP at 8,070'; Pressure test csg to 500 psi, **30mins**; Circulate and displace hole w/ MLF. **CIBP to be 50-100' above perfs**
- Spot 25 sks Cl H cmt on CIBP; WOC & Tag. (Isolate open perforations)
- Spot 135 sk balanced plug Cl C cmt at 6,420' (Bone Spring & Delaware)
- Perf @ 2,770' & Sqz 70 sks Cl C cmt. WOC & Tag. (Intermediate Shoe & Yates) **Tag and verify 2546' or higher**
- Spot 25 sk balanced plug Cl c cmt at 1,690'. (Production casing TOC)
- **Top of Salt 1405': Perf and sqz 30sx 1455-1340'. Tag and verify**
- Perf @ 483' & 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.

MATADOR RESOURCES

Young Deep Unit #018

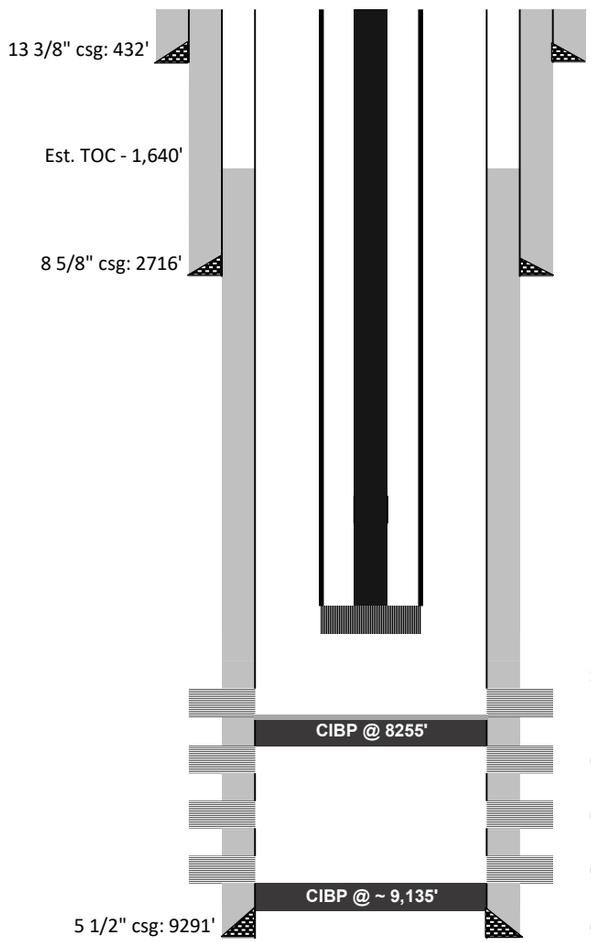
1980' FSL & 1980' FWL Sec 9 - 18S - 32E

Lea County, NM

API: 30-025-31359

Current WELLBORE SCHEMATIC

Spudded: 8/22/1991



Casing Information						
	Hole Size	Casing Size	Type	lbs/ft	Joints	Depth Set
Surface	17 1/2	13 3/8	ST&C J-55	54.5	10	432
Intermediate	12 1/4	8 5/8	ST&C J-55	32	62	2716
Production	7 7/8	5 1/2	LT&C J-55	17	214	9,291
	DV Tool					
	Marker Jt.	6623-6645				
	Float Collar					

Cementing Record	
Surface	425 sks Cl "C" (Circulated)
Intermediate	1000 sks 65/35 "C" & 200 sks "C"
Production	1575 sks 65/35 Cl "H" (TOC @ 1640')

Geologic Markers	
Rustler	1122
Yates	2623
7 Rivers	3106
Queen	3827
Grayburg	4397
San Andres	4862
Delaware	5154
BSL	6370
1st Sand	8028
2nd Carb	8188
2nd Sand	8669
3rd Carb	9170
3rd Sand	9220

Tubing		
#	ITEM	DEPTH
96	2 3/8" J-55 tbg	
1	4' 2 3/8" Sub	4312
137	2 3/8" J-55 tbg	
1	5 1/2 TAC	7457
2	2 3/8" tbg	
1	2 3/8" SN	7520
1	4' 2 3/8" Slotted Sub	
1	MH Desander	7542
10	2 7/8" tbg	
1	BP	7865

1st Bone Spring Perfs: 8120-8128', 8,170' - 8,176', and 8,220' - 8,230' (18' of perfs)

Acdz w/ 4500 gal 15% HCl, Frac w/ 1100 bbl X-Link & 146k# sand

CIBP @ 8255' w/ 17' cmt (TOC @ 8238')

(3/4/1994) 8269-8284 30 Holes

Acdz 7850 gal w/ 20% NEFE (Shingle)

(10/18/1991) 8760-8811 11 Holes

Frac w/ 85500 gal BS40 &141250# 16/20; Acdz w/ 3000 gal of 10% NEFE (2nd BS Sand)

(9/24/1991) 8956-8970 12 Holes

Frac w/ 64000 gal BS40 & 90000# 16/30 (2nd BS Sand)

(10/16/1991) CIBP initially set at 8,900' (11/22/1991) bumped CIBP to 9135'

Rods and Pump		
#	Item	Length
1	1.5"x30' PR	30
103	7/8" KD rods	2575
124	3/4" KD rods	3100
72	7/8" KD rods	1800
1	2 1/2 x 1.5 x 26' RHBM	26
Total		7520

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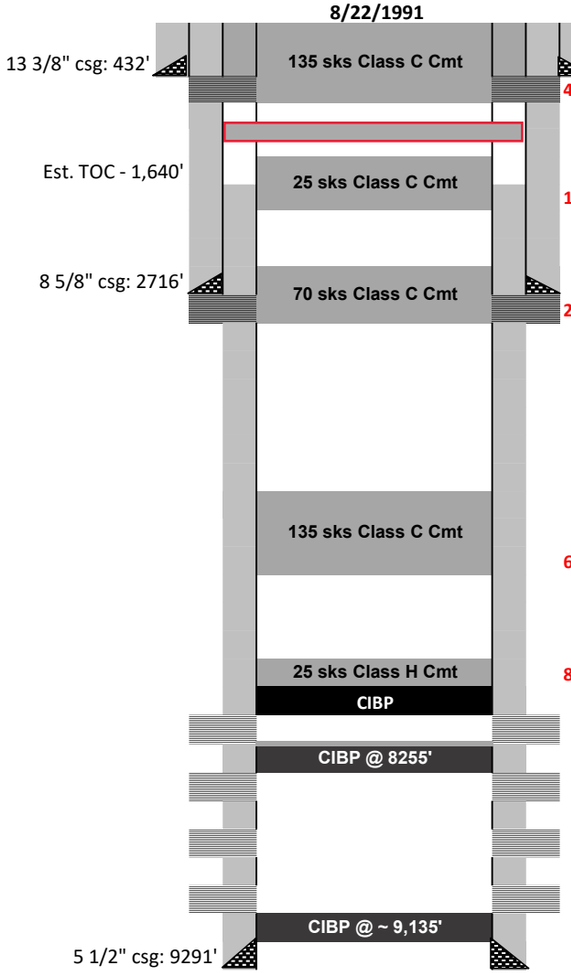

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483': Perf & Sqz Class C cmt to surface on all strings (Est. ~135 sks)

Top of Salt 1405': Perf and sqz 30sx 1455-1340'. Tag and verify

1,690': Spot a 25 sk Class C cmt balanced plug (Req. 1,690'/Est. 1,437') (Est. Production Casing TOC)
(If no injection is established at Intermediate Shoe)

2,770': Perf & Sqz 70 sks Class C cmt (Req. 2,573') (Intermediate Shoe & Yates) **Tag and verify 2546' or higher**
(Spot a 30 sk Class C cmt Balanced Plug @ 2,820' if no injection is established)

6,420': Spot a 135 sk Class C cmt balanced plug (Req. 5,104'/Est. 5,052') (Bone Spring & Delaware); WOC & Tag

8,070': Set CIBP @ Spot 25 sks Class H cmt of top of CIBP (Req. 8,000') **CIBP to be 50-100' above perfs. Leak test 500psi, 30mins**

1st Bone Spring Perfs: 8120-8128', 8,170' - 8,176', and 8,220' - 8,230' (18' of perfs)
Acdz w/ 4500 gal 15% HCl, Frac w/ 1100 bbl X-Link & 146k# sand

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Sundry ID **2724298**

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	482.00	482.00	Verify circulated to surface	135.00	Perf and sqz. Operator bringing shoe plug to surface
Shoe Plug	377.68	482.00	104.32	Verify circulated to surface	135.00	Perf and sqz. Operator bringing shoe plug to surface
Top of Salt @ 1405	1340.95	1455.00	114.05	WOC and Tag	30.00	Perf and sqz
TOC	1640.00	1640.00				Perf and sqz plugs above
Yates @ 2623	2546.77	2673.00	126.23	WOC and Tag	30.00	Covered by below plug
Shoe Plug	2638.84	2766.00	127.16	WOC and Tag	30.00	
Delaware @ 5154	5052.46	5204.00	151.54		135.00	Covered by below plug
Bonesprings @ 6370	6256.30	6420.00	163.70		135.00	
CIBP Plug	8035.00	8070.00	35.00	WOC and Tag	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 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 @	432.00
Shoe @	2716.00
Shoe @	9291.00

Perforatons Top @	8120.00	Perforations	8230.00
Perforatons Top @	8269.00	Perforations	8970.00

CIBP @	8070.00

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 **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 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.

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

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

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

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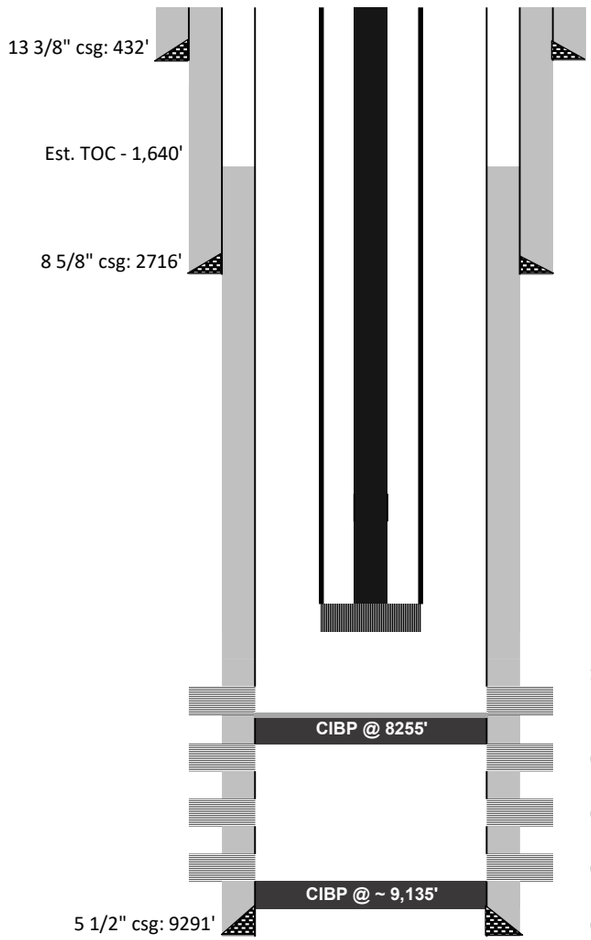

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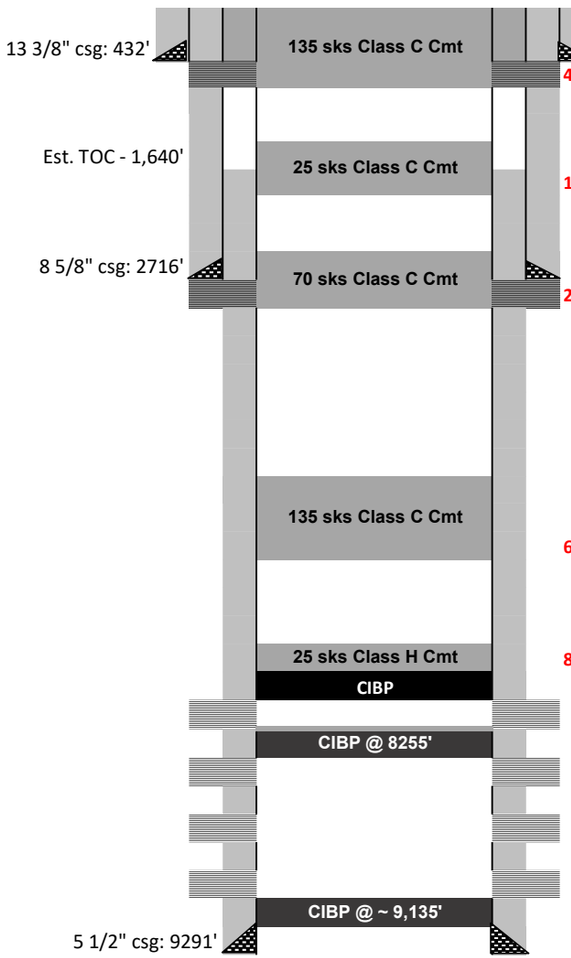
Lea County, NM

API: 30-025-31359

Current WELLBORE SCHEMATIC

Spudded: 8/22/1991



Casing Information						
	Hole Size	Casing Size	Type	lbs/ft	Joints	Depth Set
Surface	17 1/2	13 3/8	ST&C J-55	54.5	10	432
Intermediate	12 1/4	8 5/8	ST&C J-55	32	62	2716
Production	7 7/8	5 1/2	LT&C J-55	17	214	9,291
	DV Tool					
	Marker Jt.	6623-6645				
	Float Collar					

Cementing Record	
Surface	425 sks Cl "C" (Circulated)
Intermediate	1000 sks 65/35 "C" & 200 sks "C"
Production	1575 sks 65/35 Cl "H" (TOC @ 1640')

Geologic Markers	
Rustler	1122
Yates	2623
7 Rivers	3106
Queen	3827
Grayburg	4397
San Andres	4862
Delaware	5154
BSL	6370
1st Sand	8028
2nd Carb	8188
2nd Sand	8669
3rd Carb	9170
3rd Sand	9220

483': Perf & Sqz Class C cmt to surface on all strings (Est. ~135 sks)

1,690': Spot a 25 sk Class C cmt balanced plug (Req. 1,690'/Est. 1,437') (Est. Production Casing TOC)
(If no injection is established at Intermediate Shoe)

2,770': Perf & Sqz 70 sks Class C cmt (Req. 2,573') (Intermediate Shoe & Yates)
(Spot a 30 sk Class C cmt Balanced Plug @ 2,820' if no injection is established)

6,420': Spot a 135 sk Class C cmt balanced plug (Req. 5,104'/Est. 5,052') (Bone Spring & Delaware); WOC & Tag

8,100': Set CIBP @ Spot 25 sks Class H cmt of top of CIBP (Req. 8,000')

1st Bone Spring Perfs: 8120-8128', 8,170' - 8,176', and 8,220' - 8,230' (18' of perfs)
Acdz w/ 4500 gal 15% HCl, Frac w/ 1100 bbl X-Link & 146k# sand

CIBP @ 8255' w/ 17' cmt (TOC @ 8238')
(3/4/1994) 8269-8284 30 Holes
Acdz 7850 gal w/ 20% NEFE (Shingle)
(10/18/1991) 8760-8811 11 Holes
Frac w/ 85500 gal BS40 &141250# 16/20; Acdz w/ 3000 gal of 10% NEFE (2nd BS Sand)
(9/24/1991) 8956-8970 12 Holes
Frac w/ 64000 gal BS40 & 90000# 16/30 (2nd BS Sand)
(10/16/1991) CIBP initially set at 8,900' (11/22/1991) bumped CIBP to 9135'

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

COMMENTS

Action 204691

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 204691
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM.	4/11/2023

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CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 204691
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	4/10/2023