

Well Name: GAVILON FEDERAL	Well Location: T20S / R33E / SEC 33 / NWSW /	County or Parish/State: LEA / NM
Well Number: 1	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM057683	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002524417	Well Status: Producing Oil Well	Operator: MATADOR PRODUCTION COMPANY

Accepted for Record Only

SUBJECT TO LIKE APPROVAL BY BLM

NMOCD 5/15/23

X 7

Notice of Intent

Sundry ID: 2725593

Type of Submission: Notice of Intent

Date Sundry Submitted: 04/13/2023

Date proposed operation will begin: 05/01/2023

Type of Action: Plug and Abandonment

Time Sundry Submitted: 12:33

Procedure Description: Matador is requesting to plug and abandon the Gavilan Federal #001, 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/ tbg. • RIH & set CIBP at 9,390'; Pressure test csg to 500 psi for 30 minutes; Circulate and displace hole w/ MLF. • Spot 25 sks Class H cmt on top of CIBP. • Spot 215 sk balanced plug of CI H cmt at 8,500'. (Bone Spring) • Spot 525 sk balanced plug of CI C cmt at 4,700'; WOC & Tag. (Delaware, Intermediate Shoe, 7-5/8" Liner Top, Capitan Reef, & Yates) • Spot 125 sk balanced plug of CI C cmt at 1,630'; WOC & Tag. (Salt & Rustler) • Perf @ 355' & Sqz CI C cmt to surface on all strings. (Surface Shoe) • Cut off wellhead and ensure cmt to surface on all csg strings. • Install dry hole marker per BLM/NMOCD specifications. *Current and proposed wellbore diagrams attached **Mud laden fluid (MLF) mixed at 25sx/100 bbls water will be spotted between each plug.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- Gavilan_Federal__001_Planned_P_A_WBD_20230413123047.pdf
 - Gavilan_Federal__001_Current_WBD_20230413123032.pdf

Received by OCD: 5/8/2023 3:05:01 PM

Page 2 of 16

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Conditions of Approval

Specialist Review

GAVILLON_FED_1__2725593__COA_AND_PROCEDURE_20230504144143.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 13, 2023 12:30 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: 05/04/2023
Signature: KEITH IMMATTY	

Matador is requesting to plug and abandon the Gavilan Federal #001, per the required BLM COAs, following the procedure below:

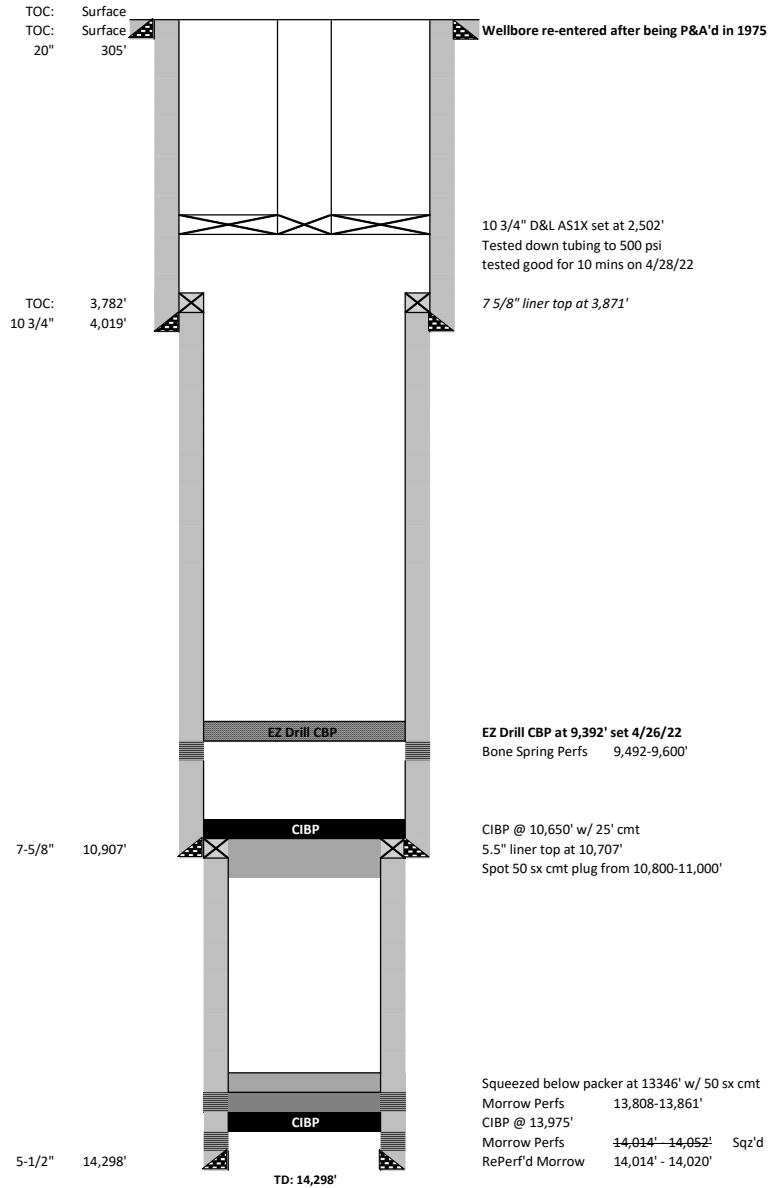
Well is within R111P Potash Boundary. Plug required across the salt interval, and salt saturated mix water required for the plug across salt interval. Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

- Notify BLM 24 hrs before MIRU.
- Safety mtg, MIRU, check pressures, ND wellhead, NU & test BOPs, POOH w/ tbq.
- RIH & set CIBP at 9,390'; Pressure test csg to 500 psi for 30 minutes; Circulate and displace hole w/ MLF.
- Spot 25 sks Class H cmt on top of CIBP.
- Spot 215 sk balanced plug of Cl H cmt at 8,500'. (Bone Spring)
- Spot **1,140** sk balanced plug of Cl C cmt at 4,700'; WOC & Tag. (Delaware, Intermediate Shoe, 7-5/8" Liner Top, Capitan Reef, Yates **and Salt**) **Tag and verify 1514' or higher. Stage as necessary with WOC and tag verification in between to minimize gaps.**
- Perf @ 355' & Sqz Cl C cmt to surface on all strings. (Surface Shoe) **Spot OK if pressuring up on P&S attempt**
- 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.

Gavilan Federal #001
1980' FSL & 660' FWL Sec. 33-T205-R33E
Lea County, NM
API: 30-025-24417
CURRENT WELLBORE SCHEMATIC
Spudded: 4/28/1973



Casing Information						
	Hole Size	Casing Size	Type	Weight (lb/ft)	Joints	Depth Set
Surface	26"	20"	H-40	94#		305
Intermediate	17.5"	10 3/4"	K-55	45.5# & 40.5#		4,019
Production	9.5"	7-5/8"	S-95	33.7#, 29.7#, & 26.4#		10,907
Liner	8 1/2"	5 1/2"	N-80	20# & 23#		14,298
DV Tool						

Cementing Record			
	Type	TOC	Date Run
Surface	550 sx	Surface	
Intermediate	6000 sx Lt Wt	Surface	
Production	1300 sx Halb. Lite & 300 sx C1	3782	
Liner	525 sx	10707	

Tubing Information		
Item	Notes	Depth
	83 jts of 2 7/8" 6.5# P-110 10-3/4" 32.75-51# D&L AS1X	2,502
Plug Back Total Depth	PBTD	10615

Rod String Information	
Item	Notes
Pony Rod	
Rod	
Rod	
Rod	
Pump	

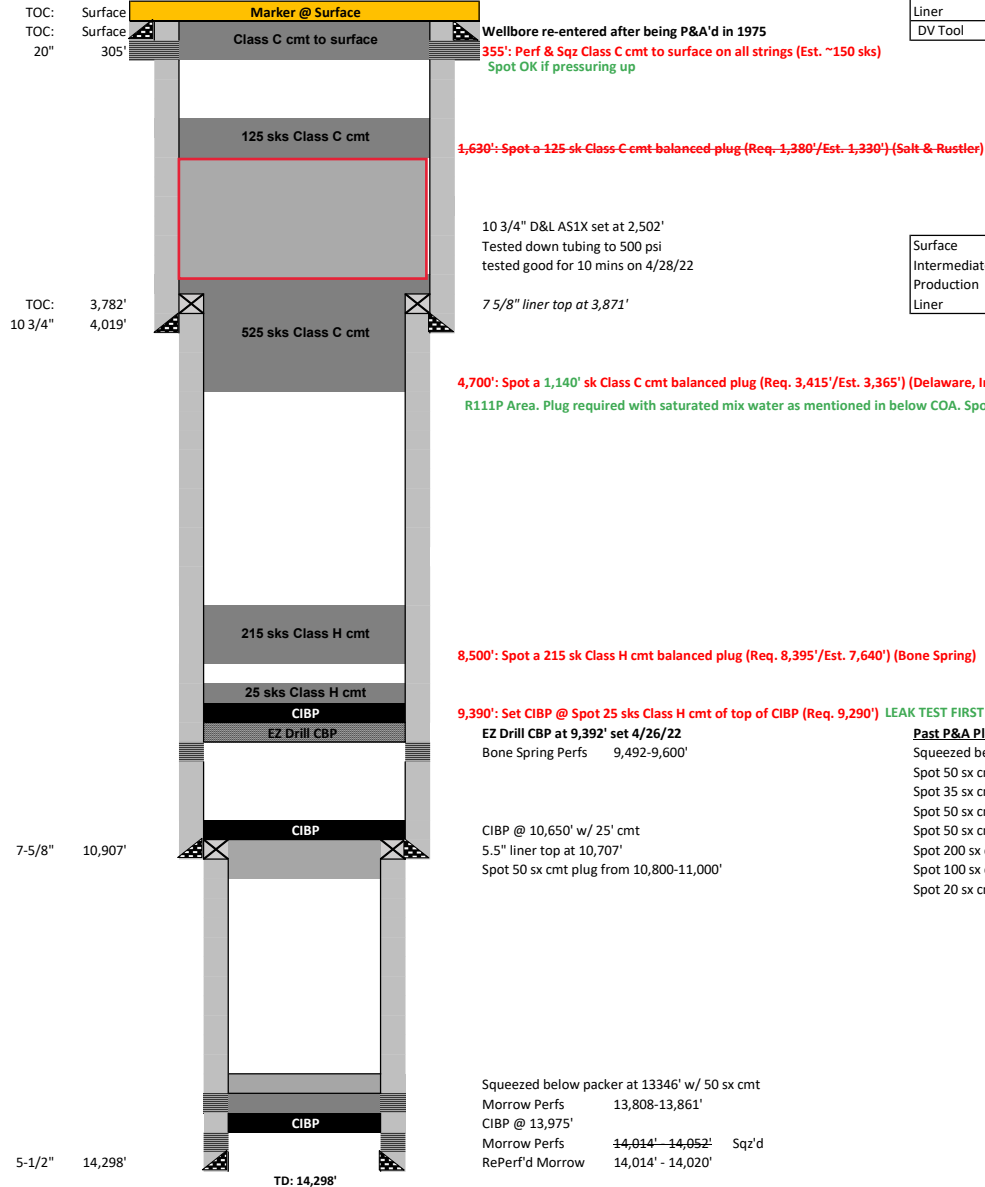
Perforation Information		
Formation	Depth	Squeezed
Bone Spring	9,492-9,600'	
Morrow	13,808-13,861'	
Morrow	14,014-14,052'	

Geologic Markers	
Rustler	1,430
Salt	1,580
Yates	3,465
7 Rivers	
Queen	
Penrose	
Grayburg	
Capitan Reef	3,560
Delaware	4,650
Bone Spring	8,445
1st Bone Spring	
2nd Bone Spring	
3rd Bone Spring	
Wolf Camp	11,700
Strawn	12,675
Atoka	13,200
Atoka Morrow	
Morrow	13,400

Past P&A Plugs from July 1975- Later drilled out to 10,700' in November 1987

Squeezed below packer at 13346' w/ 50 sx cmt
Spot 50 sx cmt plug from 10,800-11,000'
Spot 35 sx cmt plug from 8,400-8,550'
Spot 50 sx cmt plug from 4,600-4,800'
Spot 50 sx cmt plug from 4,600-4,800'
Spot 200 sx cmt plug from 3,200-3,600'
Spot 100 sx cmt plug from 1,300-1,500'
Spot 20 sx cmt plug at surface

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Sundry ID		2725593				
Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	355.00	355.00	Verify circulated to surface	150.00	Operator bringing shoe plug to surface. Spot OK if pressuring up
Shoe Plug	251.95	355.00	103.05	WOC and Tag	150.00	Operator bringing shoe plug to surface. Spot OK if pressuring up
Top of Salt @ 1580	1514.20	1630.00	115.80	WOC and Tag	1140.00	R111P Potash Area. Plug across salt needed. Spot 4700-1514'
Yates @ 3465	3380.35	3515.00	134.65	WOC and Tag	1140.00	R111P Potash Area. Plug across salt needed. Spot 4700-1514'
Base of Salt @ 3465	3380.35	3515.00	134.65	WOC and Tag	1140.00	R111P Potash Area. Plug across salt needed. Spot 4700-1514'
Capitan Reef @ 3560	3474.40	3610.00	135.60	WOC and Tag	1140.00	R111P Potash Area. Plug across salt needed. Spot 4700-1514'
Shoe Plug	3928.81	4069.00	140.19	WOC and Tag	1140.00	R111P Potash Area. Plug across salt needed. Spot 4700-1514'
Delaware @ 4650	4553.50	4700.00	146.50	WOC and Tag	1140.00	R111P Potash Area. Plug across salt needed. Spot 4700-1514'
Bonesprings @ 8445	7700.00	8495.00	795.00		215.00	Long plug for spacer <3000' gap
CIBP Plug	9355.00	9390.00	35.00	Verify CIBP depth	25.00	Leak test 500psi, 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Critical, High Cave Karst: Cave Karst depth to surface

R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/sx

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

Cave Karst/Potash Cement	R111-P	50 Feet from Base of Salt to Surface	500.00
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Shoe @ 305.00

Shoe @ 4019.00

Shoe @ 10907.00

Shoe @ 14298.00

Perforatons Top @ 9492.00

Perforations

Bottom @ 9600.00

CIBP @ 9390.00

**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

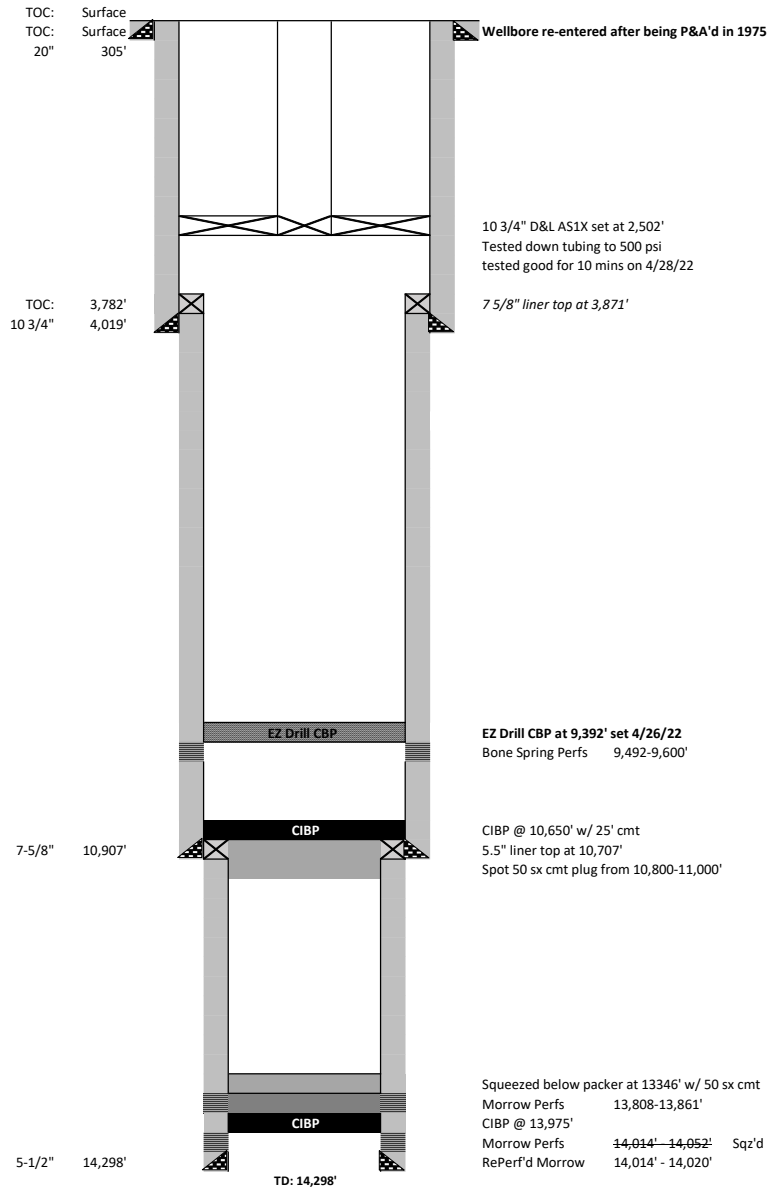
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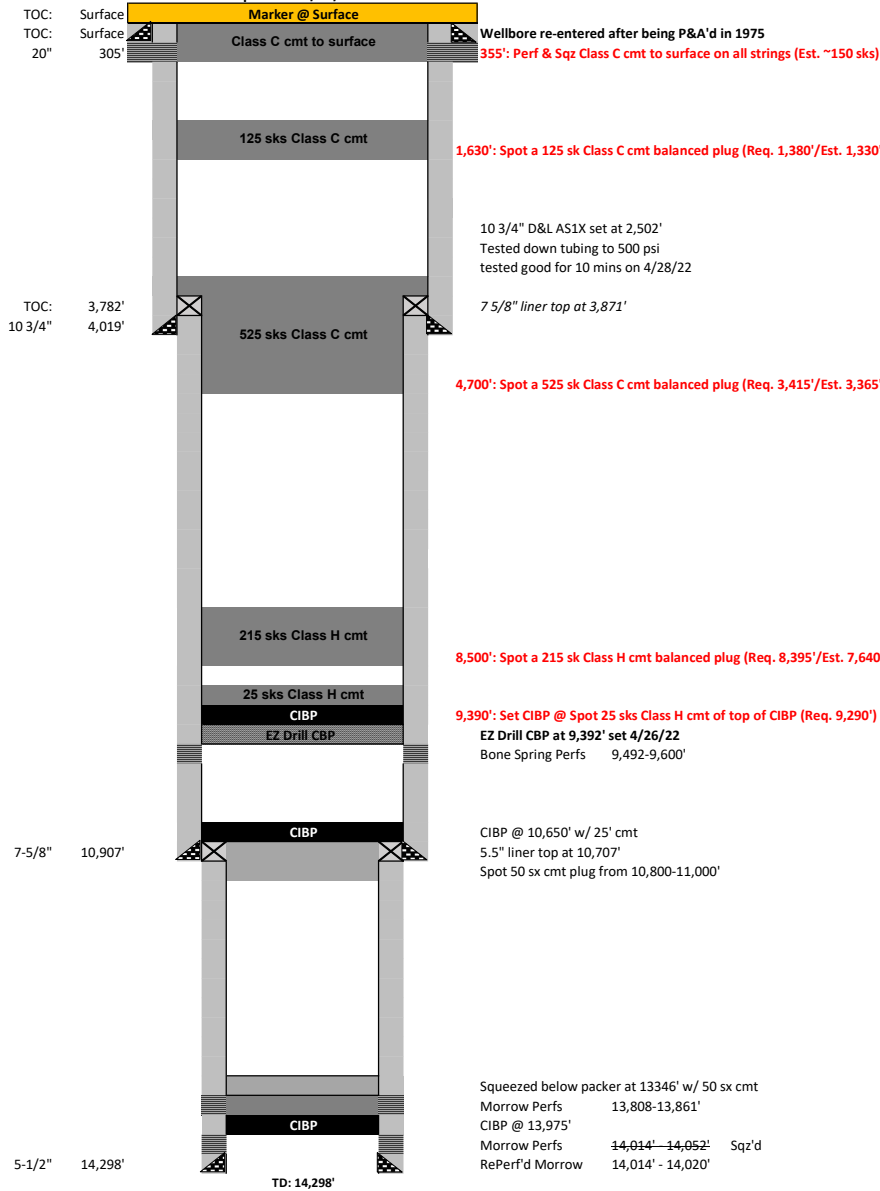
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Bone Spring	9,492-9,600'	
Morrow	13,808-13,861'	
Morrow	14,014-14,052'	

Past P&A Plugs from July 1975- Later drilled out to 10,700' in November 1987

Squeezed below packer at 13346' w/ 50 sx cmt
Spot 50 sx cmt plug from 10,800-11,000'
Spot 35 sx cmt plug from 8,400-8,550'
Spot 50 sx cmt plug from 4,600-4,800'
Spot 50 sx cmt plug from 4,600-4,800'
Spot 200 sx cmt plug from 3,200-3,600'
Spot 100 sx cmt plug from 1,300-1,500'
Spot 20 sx cmt plug at surface

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

COMMENTS

Action 214803

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 214803
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	5/15/2023

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CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	5/15/2023