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

Sundry Print Report

05/19/2022

Well Name: ROARING SPRINGS

Well Location: T21S / R23E / SEC 13 / NENW /

County or Parish/State: EDDY / NM

Well Number: 4

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM76919

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001529350

Well Status: Gas Well Shut In

Operator: OXY USA WTP LP

Accepted for record – NMOCD gc 5/23/2022

Notice of Intent

Sundry ID: 2672346

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 05/18/2022

Time Sundry Submitted: 02:34

Date proposed operation will begin: 05/25/2022

Procedure Description: THE WELLHEAD HAS SUNK 2 FEET AND THERE IS SUSPECT CASING DAMAGE. OXY PLANS TO PLUG AND ABANDON THE WELL. THE CURRENT WELLBORE, PROPOSED WELLBORE, AND PLUGGING PROCEDURE ARE ATTACHED. ALSO, DETAILS ON THE MORROW PERFS ADDED BUT NOT DOCUMENTED IN 2003 IS INCLUDED.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

PA_NOI_PACKAGE_20220518143359.pdf

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Conditions of Approval

Specialist Review

ROARING_SPRINGS_13_FEDERAL_4___2672346___COA_AND_PROCEDURE_20220519112350.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: STEPHEN JANACEK

Signed on: MAY 18, 2022 02:34 PM

Name: OXY USA WTP LP

Title: Regulatory Engineer

Street Address: 5 Greenway Plaza, Suite 110

City: Houston **State:** TX

Phone: (713) 497-2417

Email address: stephen_janacek@oxy.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: 05/19/2022

Signature: Keith Immatty

Sundry ID: 2672346

OXY USA WTP LP- Proposed PA PROCEDURE

ROARING SPRINGS 13 FEDERAL #004

API No. 30-015-29350

PA PROCEDURE

10# MLF BETWEEN PLUGS. UTILIZE ABOVE STEEL GROUND TANKS.

1. POOH RODS.
2. CUT TUBING AT 9250'. SET CIBP AT 9225'. SPOT 125 SX CL H CMT 9225'- 8554'. WOC AND TAG. **Pressure test 500psi, 30mins**
3. **Morrow: 9304' to 9111'. 40sx Min**
4. SPOT 105 SX CL H CMT 8059'-7494'. WOC AND TAG.
5. **Wolfcamp:Perf and sqz 50** SX CL C CMT 6234'-6095'. WOC AND TAG.
6. **Bonespring:** PERF AND SQZ **40** SX CL C CMT 4026'-3926'. WOC AND TAG.
7. PERF AND SQZ 35 SX CL C CMT 2216'-2116'. WOC AND TAG.
8. PERF AND SQZ **70** SX CL C CMT **1450**'-1121'. WOC AND TAG. **Including FW zone due to lack of top of salt plug.**
9. PERF AND SQZ 155 SX CL C CMT 500'-SURFACE. VERIFY CMT TO SURF.

GEOLOGIC TOPS

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
San Andres	478	
Glorieta	2166	
Bone Spring	3976	
Wolfcamp	6184	
Cisco	7544	
Canyon	8009	
Strawn LS	8604	
Atoka	8929	
Morrow	9254	
L. Morrow	9497	

NOTE- 2003 PERFORATIONS

There is conflicting information on whether or not additional Morrow perforations (9325'-9448') were shot in 2003. There is not a sundry filing associated with the work, yet they are referenced in the wellbore diagram built in 2013 (attached) and also a buildup test that was completed by Schlumberger (attached). As a result, we believe there were perfs added at 9325'-9448' and this is reflected in the plugging plan.

Schlumberger

Job Summary

Devon Energy Corporation

3 Day Slickline Buildup

Roaring Springs 13 Fed. Four
Indian Basin

Service Order Number : **10588613**
Test Date : **23-Jun-03**

Company Rep	Robert Bell	**SWS Rep**	Kirk Beasley & Jeremy Cates

Test Information

Test Number	One	Formation	Morrow
		Interval (MD ft)	9325 - 9448

Well Location

Well	Roaring Springs 13 Fed. Four	Rig	Eunice Well Service # 12
Field	Indian Basin	State	Eddy - New Mexico

Completion Configuration

Total Depth (MD/TVD ft)	9525	Wellbore Radius (ft)	
Casing / Liner ID (in)	7"	Shot Density (spf)	
Top of Liner (md- ft)		Perforation Diameter (in)	

Test String Configuration

Tubing Length (ft) / ID (in)	2.875 / 2.441	Gauge Depth (MD)	9280
Tubing Length (ft) / ID (in)		Gauge Depth (TVD)	9280
Tubing Length (ft) / ID (in)		Test Valve Type	None
Packer Depth (ft) (MD/TVD)	9240 MD / 9240 TVD	Test Valve Depth (ft) (MD)	

Key Information

Initial Hydrostatic Pressure		Final Shut In Pressure	1310
Init. Hyd Grad & Density		FinalShut In Grad & Density	0.141 psi/ft / 2.71 lb/gal
Final Hydrostatic Pressure		Final Flowing Pressure	
Final Hyd Grad & Density		Final Flow Rate ( )	
Bottom Hole Temp	178	Productivity Index (0 / psi)	

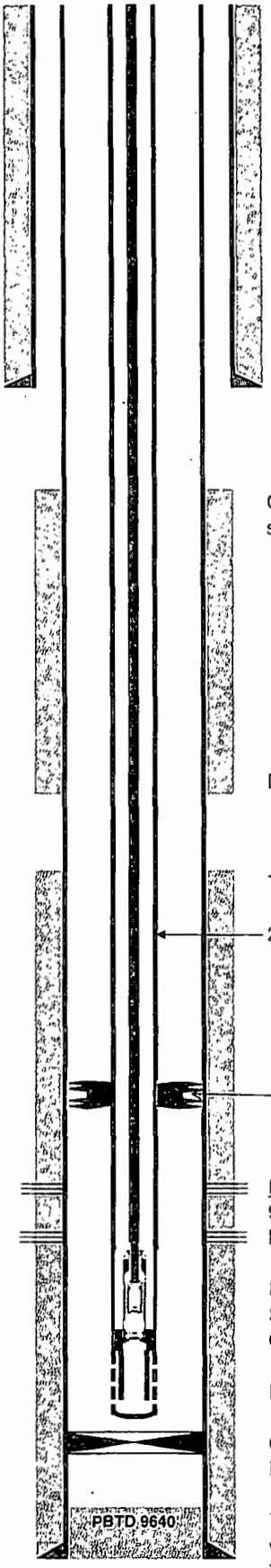
A 3 day buildup was performed. Both flowing and static gradients were measured. The maximun bottomhole pressure was 1310 PSI, the surface pressure was 239 PSI. Thank you for using Schlumberger.

660' FNL, 1980' FWL, Sec. 13, T21S, R23E, Eddy Co., NM
WI: 100% NRI: 84%

Spud date: 02/02/1997
Completion Date: 03/25/1997

CURRENT

OXY USA WTP
Roaring Spring 13 Federal #4
30-015-29350
Abel Andrade 01/12/2013



9-5/8", 36#, K-55, ST&C @ 1210'
w/850sx-TOC-Surf-Circ

CBL ran on 03/12/97 logged from 9640' to 5946'
shows good bond from 7947' to 5946'

DV Tool @ 7947' - w/375sx cement

TOC at 8900' (CBL-03/12/97)

2-7/8" OD tubing

Tubing Anchor at 7994'

Perfs Added on 06/20/2003
9325'-9334'; 9398'-9402'; 9408'-9412'; 9442'-9448'
Morrow Perfs: 9544'-9556' (March 1997)

Rod Pump 1.5" x 24'-25-150-RxBC-24-5 (Bore=1.5)
Seating nipple 2.875" at 9562'
Gas Anchor
Perforated joint
Bull Plug at 9598'

CIBP @ 9631' capped w/10' cmt (Casing leak
isolated below CIBP)

7", 26#, K-55 & L-80, LT&C @ 9647'
w/200sx-TOC at 8900' (CBL - 03/12/97)
TD 9700' MD (2/24/97)

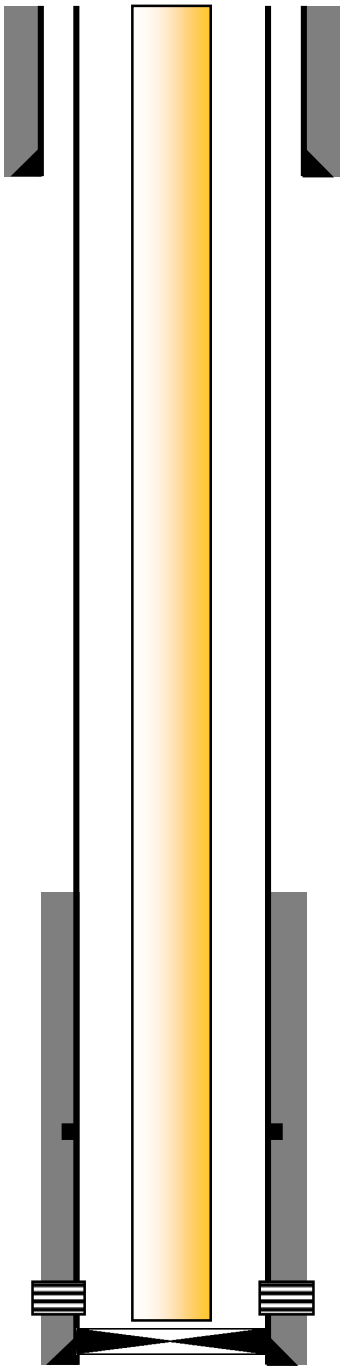
Stephen Janacek
5/18/2022

Current Wellbore

ROARING SPRINGS 13 FEDERAL #004

30-015-29350-0000
Eddy

Possible Casing Damage.
Wellhead fell 2 feet at surface.



String 1
OD 9.625 in 36# K-55
TD 1210 ft
TOC 0 ft (CIRC)
12.25" DRILLED HOLE

DV Tool
Top 7947 ft

String 2
OD 7 in 26# K-55/L-80
TD 9647 ft
TOC 5946' (CBL)
PBTD 9647 ft
8.75" DRILLED HOLE

CIBP 9631'

Tubing Assembly
OD 2.875 in
Top 0 ft
Bot 9595 ft

PERFS
9325'-9556' (MORROW)

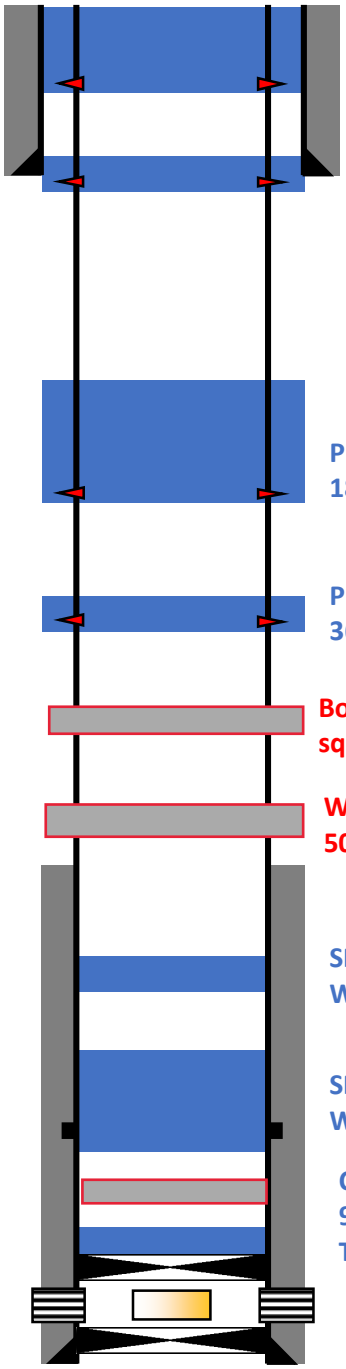
Stephen Janacek
5/18/2022

Proposed Wellbore

ROARING SPRINGS 13 FEDERAL #004

30-015-29350-0000
Eddy

Possible Casing Damage. Wellhead fell 2 feet at surface.



PERF AND SQZ 155 SX CL C CMT 500'-SURFACE. VERIFY CMT TO SURF.

PERF AND SQZ 70 SX CL C CMT 1450'-1121'. WOC AND TAG. Including FW zone due to lack of TOS

PERF AND SQZ 215 SX CL C CMT 2542'-1850'. WOC AND TAG.

PERF AND SQZ 35 SX CL C CMT 3792'-3692'. WOC AND TAG.

Bonesprings: 4026' to 3886'. Perf and sqz. 40sx Min

Wolfcamp: 6234' to 6072'. Perf and sqz. 50sx Min

SPOT 25 SX CL H CMT 7010'-7871'. WOC AND TAG.

SPOT 85 SX CL H CMT 7997'-7534'. WOC AND TAG.

CUT TUBING AT 9250'. SET CIBP AT 9225'. DUMP BAIL 5 SX CL H CMT. TAG TO VERIFY. Pressure test 500psi, 30mins. Min 25sx

String 1
OD 9.625 in 36# K-55
TD 1210 ft
TOC 0 ft (CIRC)
12.25" DRILLED HOLE

DV Tool
Top 7947 ft

Morrow: 9304' to 9111'. 40sx Min

String 2
OD 7 in 26# K-55/L-80
TD 9647 ft
TOC 5946' (CBL)
PBTD 9647 ft
8.75" DRILLED HOLE

CIBP 9631'

TUBING
9250'-9556'

PERFS
9325'-9556' (MORROW)

Sundry ID **2672346**

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	500.00	500.00	Tag/Verify	155.00	High Cave Karst
Shoe Plug	1147.90	1260.00	112.10	Tag/Verify	70.00	Shoe and FW
Fresh Water @ 1400	1336.00	1450.00	114.00	If solid	70.00	Perf and sqz
Glorieta @ 2166	2094.34	2216.00	121.66	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	215.00	Perf and sqz
Bonesprings @ 3976	3886.24	4026.00	139.76	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	40.00	Perf and sqz

Wolfcamp @ 6184	6072.16	6234.00	161.84	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	50.00	Perf and sqz
DV tool plug	7817.53	7997.00	179.47	Tag/Verify	85.00	
Morrow @ 9254	9111.46	9304.00	192.54	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	40.00	

CIBP Plug	9240.00	9275.00	35.00	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	Pressure 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 50' above top of salt.

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	High	Top of Salt to surface

Shoe @	1210.00		
Shoe @	9647.00		
Perforatons Top @	9325.00	Perforations	9556.00
DV Tool @	7947.00	CIBP @	9275.00

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

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. Dry Hole Marker: 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.**
The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

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.

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 and 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

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

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

Action 108817

CONDITIONS

Operator: OXY USA WTP LIMITED PARTNERSHIP P.O. Box 4294 Houston, TX 772104294	OGRID: 192463
	Action Number: 108817
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	5/23/2022