

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

<b>Well Name:</b> SAND DUNES 34	<b>Well Location:</b> T23S / R31E / SEC 34 / SWSE /	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 8	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM43744	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001527548	<b>Well Status:</b> Oil Well Shut In	<b>Operator:</b> OXY USA INCORPORATED

Accepted for record – NMOCD gc10/18/2022

### Notice of Intent

**Sundry ID:** 2694162

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 09/22/2022

**Time Sundry Submitted:** 09:43

**Date proposed operation will begin:** 10/22/2022

**Procedure Description:** OXY RESPECTFULLY REQUESTS TO PLUG AND ABANDON THE SUBJECT WELL. THE CURRENT WELLBORE, PROPOSED WELLBORE, AND PLUGGING PROCEDURE ARE ATTACHED.

### Surface Disturbance

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

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

### NOI Attachments

**Procedure Description**

SD\_34\_8\_intent\_20220922094259.pdf

Well Name: SAND DUNES 34

Well Location: T23S / R31E / SEC 34 / SWSE /

County or Parish/State: EDDY / NM

Well Number: 8

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM43744

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001527548

Well Status: Oil Well Shut In

Operator: OXY USA INCORPORATED

**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: SEP 22, 2022 09:43 AM

Name: OXY USA INCORPORATED

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:

## PLUG AND ABANDONMENT CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>OXY USA Incorporated</b>
<b>LEASE NO.:</b>	<b>NMNM43744</b>
<b>WELL NAME &amp; NO.:</b>	<b>Sand Dunes 34 8</b>
<b>US Well Number:</b>	3001527548
<b>LOCATION:</b>	Section 34, T.23 S., R.31 E., NMPM
<b>COUNTY:</b>	Eddy County, New Mexico
<b>Sundry ID:</b>	<b>2694162</b>
<b>Karst:</b>	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Critical
<b>Potash:</b>	<input type="checkbox"/> Secretary <input checked="" type="checkbox"/> R111P
<b>Special Area:</b>	<input checked="" type="checkbox"/> Prairie Chicken <input type="checkbox"/> Capitan Reef

1. POOH with production equipment.
2. Set CIBP at 7930'. (Isolate the Delaware and Bone Springs Perfs) Spot 25 sxs of cement on top. WOC and Tag. (7930' to 7732') Class H.
3. Set CIBP at 6414'. Spot cement from 6414' to 5884'. Leak Test CIBP. WOC and Tag. 55 sxs Class C.
4. Spot cement from 4376' to 4100'. WOC and Tag. 28 sxs class C.
5. Perf and squeeze from 4100' to surface. Circulate from 4100' outside to surface (550 sxs). Spot cement from 4100' inside to surface (415 sxs). Verify at surface.

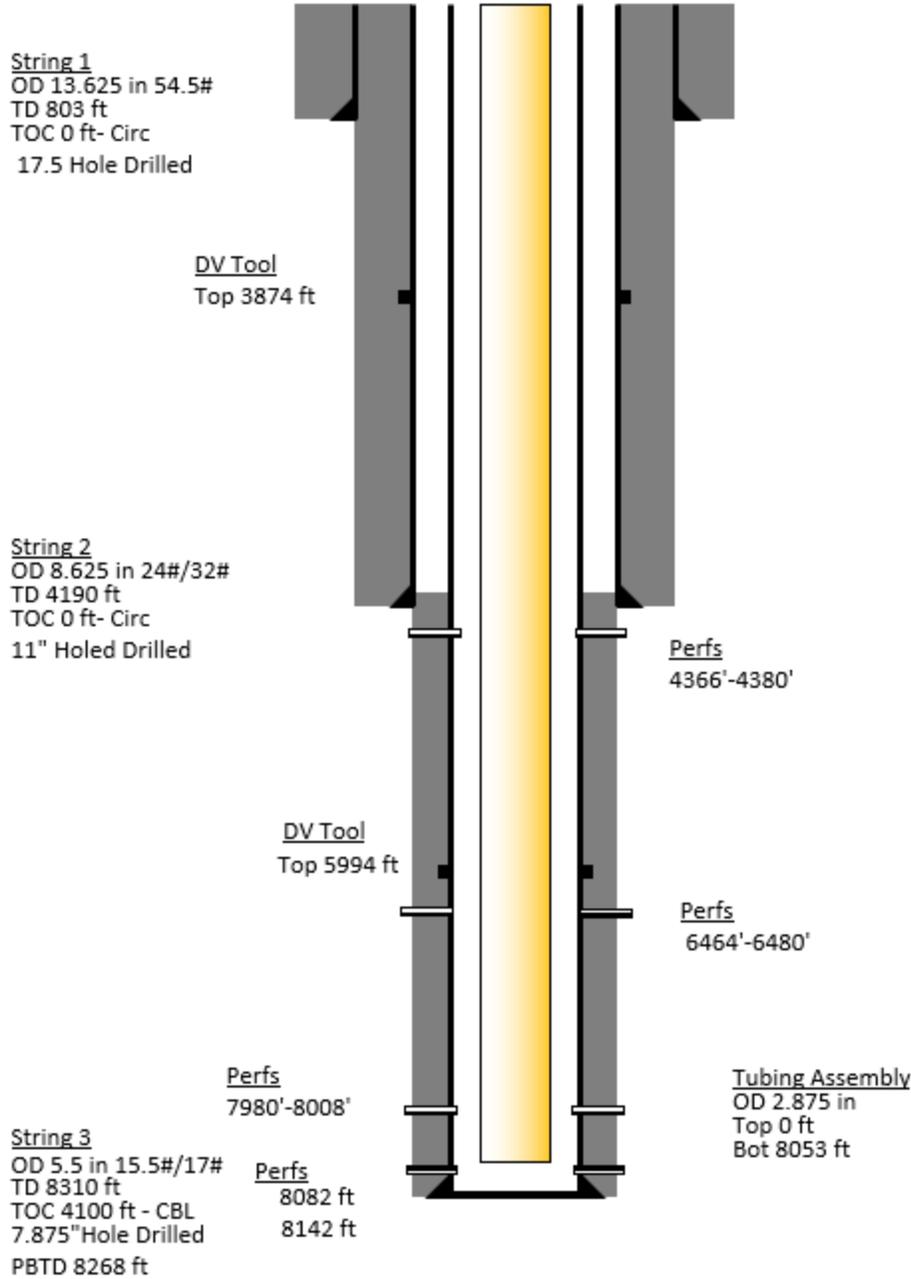
### Approval Subject to General Requirements and Special Stipulations Attached

- **No more than 3000 feet between cement plugs in cased hole.**
- **Wait on Cement and Tag Top of Cement Requirement:**
  - 1. Shoe, Top of Salt, Base of Salt, DV tool, Perforate and Squeeze, Open Perforation.**
  - 2. Formation plug is optional if a solid base is established and confirmed.**

Fredua Appou  
9/21/2022

Current Wellbore  
**SAND DUNES 34 FEDERAL 008**  
30-015-27548-0000

Eddy



Fredua Appou  
9/21/2022

Proposed Wellbore  
**SAND DUNES 34 FEDERAL 008**  
30-015-27548-0000

Eddy

String 1  
OD 13.625 in 54.5#  
TD 803 ft  
TOC 0 ft - Circ  
17.5 Hole Drilled

DV Tool  
Top 3874 ft

String 2  
OD 8.625 in 24#/32#  
TD 4190 ft  
TOC 0 ft - circ  
11" Holed Drilled

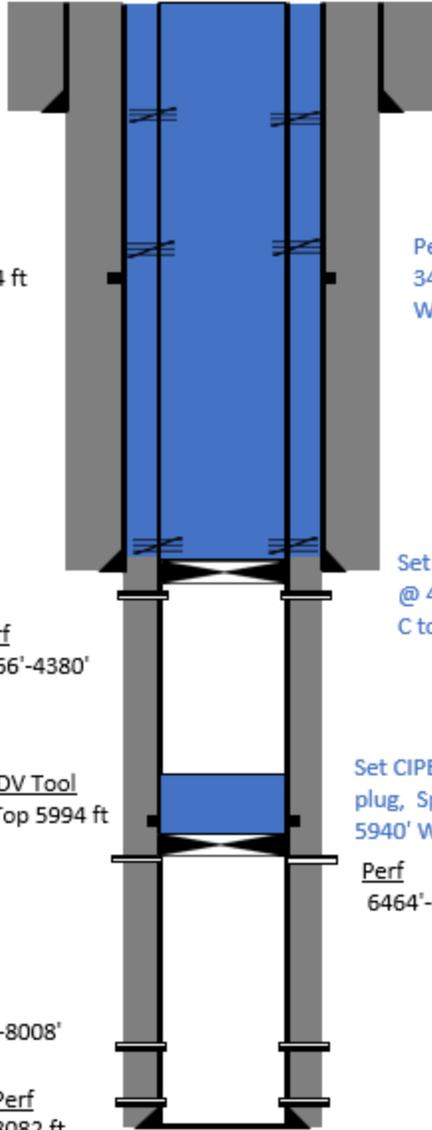
Perf  
4366'-4380'

DV Tool  
Top 5994 ft

Perf  
7980'-8008'

String 3  
OD 5.5 in 15.5#/17#  
TD 8310 ft  
TOC 4100 ft - CBL  
7.875" Hole Drilled  
PBTD 8268 ft

Perf  
8082 ft  
8142 ft



Perf @ 1430' and squeeze 340sxs of Class C from 1436' to surface, Verify CMT to surface

Perf @ 2870' and squeeze 340sxs of Class C to 1436' WOC- TAG

Set CIPB @ 4316' pressure test , Perf @ 4310 and squeeze 365 sxs of Class C to '2876 WOC-TAG

Set CIPB @ 6414' pressure test plug, Spot 55 sxs of Class C to 5940' WOC-TAG

Perf  
6464'-6480'

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

Notice of Intent to PA  
 SAND DUNES 34 FEDERAL 008  
 API 30-015-27548  
 OXY USA Inc.

Approval Subject to  
 General Requirements and  
 Special Stipulations  
 Attached

10 # MLF between plugs. Utilize above ground steel tanks.

1. POOH with production equipment
2. Set CIBP @ 6414', pressure test plug and spot 55 Sx of Class C CMT to 5940'. WOC & tag
3. Set CIBP @ 4316', pressure test plug, Perf and squeeze 365 Sx of Class C CMT to 2876'. WOC & tag
4. Perf and squeeze 365 Sx of Class C CMT from 2870' to 1436'. WOC & tag
5. Perf and squeeze 365 Sx of Class C CMT from 1430' to Surface.
6. Verify CMT to surface

DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
	NAME	TOP	
		MEAS. DEPTH	TRUE VERT. DEPTH
	Basal Anhydrite	4140	log
	Delaware Lime	4364	log
	Bell Canyon	4384	log
	Cherry Canyon	5270	log
	Brushy Canyon	6517	log
	Bone Spring	8196	log

Sundry ID 2694162

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00		0.00	Tag/Verify		
Fresh Water @ 635	578.65	685.00	106.35	If solid		
Shoe Plug	744.97	853.00	108.03	Tag/Verify		
Top of Salt @ 879	820.21	929.00	108.79	Tag/Verify		
Base of Salt @ 4090	3999.10	4140.00	140.90	Tag/Verify		
Shoe Plug	4098.10	4240.00	141.90	Tag/Verify		
				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 Perforatio	993.00	Spot cement from 4376' to 4100'. WOC and Tag. (28 sxs) Perf and Squeeze from 4376' to surface. (In 415 sxs/Out 550 sxs) Verify at surface.
Delaware @ 4326	4232.74	4376.00	143.26	Perforatio	993.00	
DV tool plug	5884.06	6044.00	159.94	Tag/Verify		
Perforations Plug (If No CIBP)	6365.20	6530.00	164.80	Tag/Verify		
				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 Perforatio	55.00	Set CIBP at 6414'. Spot cement from 6414' to 5884'. Leak Test CIBP. WOC and Tag.
CIBP Plug	6379.00	6414.00	35.00	Perforatio	55.00	
Perforations Plug (If No CIBP)	7877.92	8058.00	180.08	Tag/Verify		

				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 Perforatio		
<b>CIBP Plug</b>	7895.00	7930.00	35.00	25.00		Set CIBP at 7930'. (Isolate the Delaware and Bone Springs Perfs) Spot 25 sxs of cement on top. WOC and Tag. (7930' to 7732') Class H.
<b>Perforations Plug (If No CIBP)</b>	8010.58	8192.00	181.42	Tag/Verify		
<b>Bonesprings @ 8192</b>	8060.08	8242.00	181.92	If solid		
<b>Shoe Plug</b>	8176.90	8360.00	183.10	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		R111-P	50 Feet from Base of Salt to surface	
Shoe @		803.00		
Shoe @		4190.00		
Shoe @		8310.00	TOC @	4100.00
Perforatons Top @		7980.00	Perforations	8008.00
Perforatons Top @		8082.00	Perforations	8142.00
Perforatons Top @		6464.00	Perforations	6480.00
DV Tool @		5994.00	CIBP @	7930.00
			CIBP @	6414.00

**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 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.

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

**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 151279

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 151279
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	10/18/2022