

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

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

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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

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

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

DV Tool
Top 5994 ft

Perfs
4366'-4380'

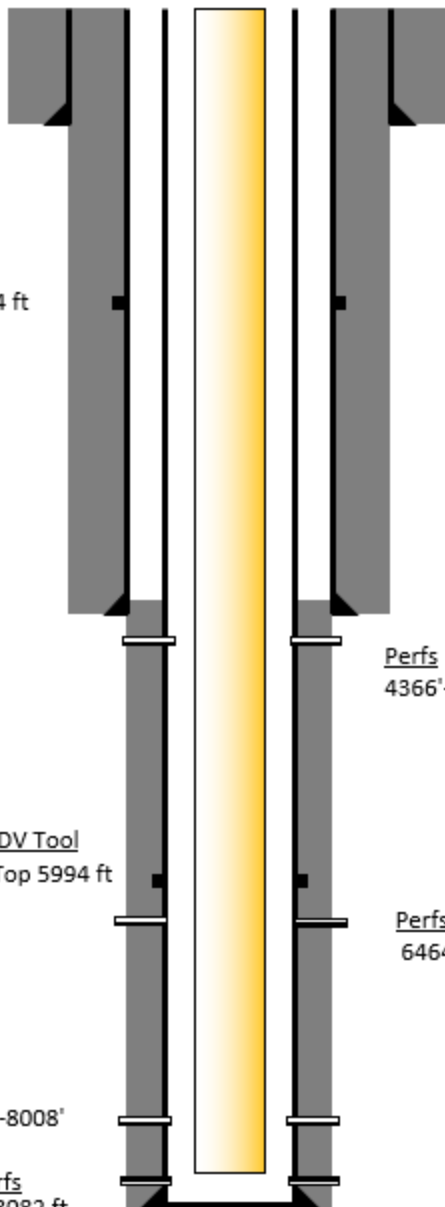
Perfs
6464'-6480'

Perfs
7980'-8008'

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

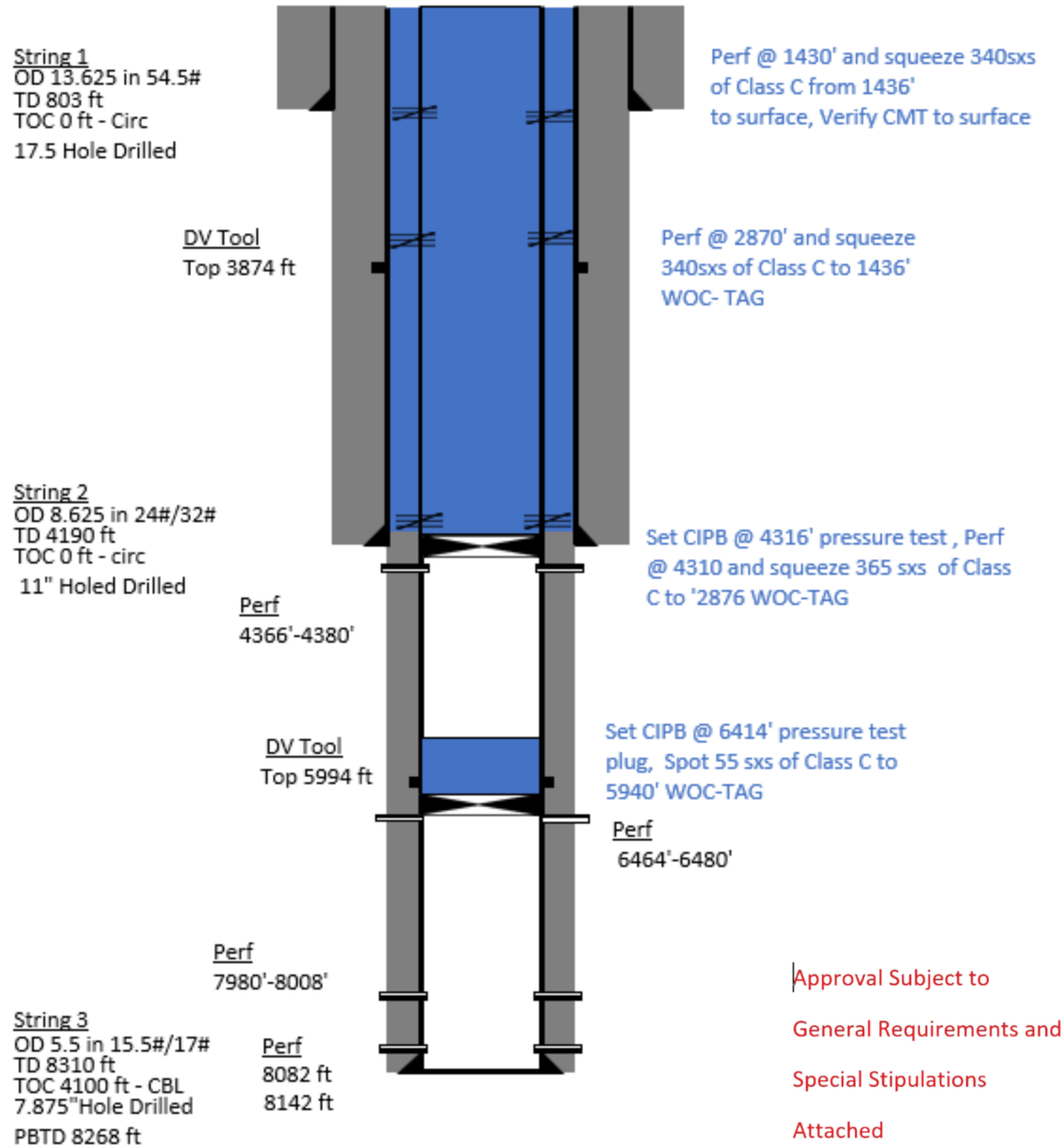
Perfs
8082 ft
8142 ft

Tubing Assembly
OD 2.875 in
Top 0 ft
Bot 8053 ft



Fredua Appou
9/21/2022

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



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

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 Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open		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 Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open		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 Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open		
CIBP Plug	7895.00	7930.00	35.00	Perforatio	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.
Perforations Plug (If No CIBP)	8010.58	8192.00	181.42	Tag/Verify		
Bonesprings @ 8192	8060.08	8242.00	181.92	If solid		
Shoe Plug	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 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

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 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

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