

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM66925

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
MESA VERDE BS UNIT 5

2. Name of Operator  
OXY USA INC  
Contact: DAVID STEWART  
E-Mail: david\_stewart@oxy.com

9. API Well No.  
30-025-44185

3a. Address  
P.O. BOX 50250  
MIDLAND, TX 79710

3b. Phone No. (include area code)  
Ph: 432-685-5717

10. Field and Pool or Exploratory Area  
MESA VERDE BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 17 T24S R32E SESE 280FSL 995FEL  
32.211013 N Lat, 103.691404 W Lon

11. County or Parish, State  
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change to Original APD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment-Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

OXY USA Inc. respectfully requests to amend the APD for the Mesa Verde BS Unit #5 - API No. 30-025-44185.

1. Amend the intermediate casing @ 0-4702' and production casing @ 0-20717', see attached.

3. Amend the intermediate and production casing cementing program. OXY also requests to pump a two stage production casing cement job with the first stage being pumped conventionally with the calculated TOC @ the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the top of the Brushy Canyon to 500' inside the intermediate casing @ 4202', see attached.

4. Amend the mud program, depth and type, see attached.

*well already drilled*

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #404392 verified by the BLM Well Information System For OXY USA INC, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 03/26/2018 ( )**

Name (Printed/Typed) DAVID STEWART Title SR. REGULATORY ADVISOR

Signature (Electronic Submission) Date 02/13/2018

**ACCEPTED FOR RECORD**  
APR 12 2018  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

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.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

*[Handwritten signature]*

**Additional data for EC transaction #404392 that would not fit on the form**

**32. Additional remarks, continued**

Note: This well was originally permitted as the Mesa Verde 17-8 Federal Com 5H.

Unit Number: NMNM137096X

**OXY USA Inc. - Mesa Verde BS Unit #5 – 30-025-44185 – Amended Drill Plan  
Mesa Verde 17-8 Federal Com #5H**

OXY USA Inc. respectfully requests approval for the following changes from the approved permit:

**1. Casing Program**

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	Buoyant Buoyant			
	From (ft)	To (ft)					SF	SF	Body SF	Joint SF
							Collapse	Burst	Tension	Tension
17.5	0	993	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
12.25	0	4702	9.625	47	L-80	BTC	1.125	1.2	1.4	1.4
8.5	0	20717	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
SF Values will meet or Exceed										

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

\*OXY requests the option to set casing shallower yet still below the salts if losses or hole conditions require this. Cement volumes may be adjusted if casing is set shallower and a DV tool may be run in case hole conditions merit pumping a second stage cement job to comply with permitted top of cement. If cement circulated to surface during first stage we will drop a cancelation cone and not pump the second stage.

**2. Cementing Program**

The cement program in the intermediate section has been updated with the new casing point. We also propose to update the production cement job to a two-stage job as follows:

- Stage 1: Cement TD to Top of Brushy Canyon
- Stage 2: Bradenhead squeeze with planned cement column from top of Brushy to 500' inside previous casing string.

Casing	Slurry	#Sks	Wt. (Lb/gal)	Yld ft3/sack	H2O gal/sk	500# Comp. Strength	Slurry Description
Intermediate	Lead	1271	12.9	1.88	10.13	15:07	Pozzolan Cement, Retarder
	Tail	141	14.8	1.33	6.42	6:31	Class C Cement, Retarder, Dispersant, Salt
1st Stage Production	Lead	240	13.2	1.57	7.43	14:44	Class C Cement
	Tail	1859	13.2	1.58	7.77	9:23	Class H Cement, Retarder, Dispersant, Salt
Pumped as Bradenhead squeeze from surface down annulus. OXY requests to pump a contingency tail slurry ahead of the lead slurry at our discretion.							
2nd Stage Production	Tail	428	12.9	1.78	9.1	4:55	Class C Cement, Accelerator, Dispersant

**OXY USA Inc. - Mesa Verde BS Unit #5 – 30-025-44185 – Amended Drill Plan  
Mesa Verde 17-8 Federal Com #5H**

Casing String	Top of Lead (ft)	Bottom of Lead (ft)	Top of Tail (ft)	Bottom of Tail (ft)	% Excess Lead	% Excess Tail
Intermediate Casing	0	4202	4202	4702	75%	20%
1st Stage Production Casing	6935	8503	8503	20717	5%	5%
2nd Stage Production Casing	N/A	N/A	4202	6935	N/A	25%

**3. Mud Program**

We've updated the types of muds that we plan to run in the Intermediate and Production hole sections to reflect our planned mud program.

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From (ft)	To (ft)				
0	993	Water-Based Mud	8.4-8.6	40-60	N/C
993	4702	Brine	9.8-10.0	35-45	N/C
4702	10055	Oil-Based Mud	8.2-9.2	38-50	N/C
10055	20717	Oil-Based Mud	8.2-9.2	35-50	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.