

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMNM85893

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
CEDAR CANYON 21-22 FEDERAL COM 3219. API Well No.  
30-015-44176-00-X110. Field and Pool or Exploratory Area  
PURPLE SAGE-WOLFCAMP (GAS)  
WOLFCAMP11. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
OXY USA INCContact: DAVID STEWART  
E-Mail: david\_stewart@oxy.com

3a. Address

MIDLAND, TX 79710

3b. Phone No. (include area code)  
Ph: 432.685.5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 21 T24S R29E SWNW 1794FNL 141FWL  
32.205326 N Lat, 103.997551 W Lon**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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 recompleat 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 recompleat 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 approval for the following changes from the approved permit:

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

FEB 12 2018

RECEIVED



1. Change in the Target Bench from Wolfcamp to the 3rd Bone Springs.

2. Change in the Casing Design - Due to the change in the formation, the production casing liner will be amended. See attached for detail.

3. Change in the Cement Program - Due to the change in the formation, the cementing program will be amended. See attached for detail.

4. Change in Directional Plan - Due to the change in the formation, the directional survey will be amended. See attached for detail.

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

**Electronic Submission #384674 verified by the BLM Well Information System**  
For OXY USA INC, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/20/2017 (17PP0920SE)

Name (Printed/Typed) DAVID STEWART

Title SR REGULATORY ADVISOR

Signature (Electronic Submission)

Date 08/15/2017

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

Approved By CHARLES NIMMER

Title PETROLEUM ENGINEER

Date 12/19/2017

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 Carlsbad

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)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## **Additional data for EC transaction #384674 that would not fit on the form**

### **32. Additional remarks, continued**

#### **5. Change in the Mud Program -**

OXY proposes to drill out the 13-3/8" surface casing shoe with a saturated brine system from 400-2936', which is the base of the salt system. At this point we will swap fluid systems to a high viscosity mixed metal hydroxide system or a fully saturated brine direct emulsion system. We will drill with this system to the production TD @ 9265'. This fluid will also be used in the production, However OXY proposes both OBM and brine as contingency options.

Depth	Fluid Type	Mud Weight
0-400'	Spud Mud	8.4-8.6
400-PCP	DEWBM	9.0-9.5
PCP-TD	DEWBM (Brine/OBM-Contingency)	9.5-10.0

6. Change in Bottomhole Pressure, Bottomhole Temperature, and Estimated Cuttings Volume - Due to the change in the formation, see attached for detail.

7. Change to the wellhead design due to availability and cost. - See attached for detail.

OXY requests the option to contract a Surface Rig to drill, set surface casing, and cement for this well. If the timing between rigs is such that OXY would not be able to preset surface, the Primary Rig will MIRU and drill the well in its entirety per the APD. This was originally requested 8/2/17, Serial No. 852-61005, EC Transaction 383510. Please see the attached document for information on the spudder rig.

**Revisions to Operator-Submitted EC Data for Sundry Notice #384674**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM85893	NMNM85893
Agreement:		
Operator:	OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710 Ph: 432-685-5717	OXY USA INC MIDLAND, TX 79710 Ph: 432.685.5717
Admin Contact:	DAVID STEWART SR. REGULATORY ADVISOR E-Mail: david_stewart@oxy.com Cell: 432-634-5688 Ph: 432-685-5717	DAVID STEWART SR REGULATORY ADVISOR E-Mail: david_stewart@oxy.com  Ph: 432.685.5717
Tech Contact:	DAVID STEWART SR. REGULATORY ADVISOR E-Mail: david_stewart@oxy.com Cell: 432-634-5688 Ph: 432-685-5717	DAVID STEWART SR REGULATORY ADVISOR E-Mail: david_stewart@oxy.com  Ph: 432.685.5717
Location: State: County:	NM EDDY	NM EDDY
Field/Pool:	PIERCE CROSSING BN SPRG E	PURPLE SAGE-WOLFCAMP (GAS) WOLFCAMP
Well/Facility:	CEDAR CANYON 21-22 FEDERAL COM 32H Sec 21 T24S R29E SWNW 1794FNL 141FWL 32.205330 N Lat, 103.997550 W Lon	CEDAR CANYON 21-22 FEDERAL COM 32H Sec 21 T24S R29E SWNW 1794FNL 141FWL 32.205326 N Lat, 103.997551 W Lon