

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICT
OCT 20 2017FORM 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 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 change from the approved permit.
Change the production casing design from a 5-1/2" liner to a 5-1/2" X 5" tapered production string.

See attached for the detail.

OC 10-20-17
Accepted for record - NMOCD

All previous COAs still

14. I hereby certify that the foregoing is true and correct. Electronic Submission #390051 verified by the BLM Well Information System For OXY USA INC, sent to the Carlsbad Committed to AFMSS for processing by CHARLES NIMMER on 10/11/2017 (18CN0002SE)	
Name (Printed/Typed) DAVID STEWART	Title SR. REGULATORY ADVISOR
Signature (Electronic Submission)	Date 09/27/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHARLES NIMMER	Title PETROLEUM ENGINEER	Date 10/11/2017
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 ****

Size	5.000	in	Minimum Yield	110,000	psi
Nominal Weight	18.00	lbs/ft	Minimum Tensile	125,000	psi
Grade	P-110		Yield Load	580,000	lbs
PE Weight	17.93	lbs/ft	Tensile Load	659,000	lbs
Wall Thickness	0.362	in	Min. Internal Yield Pressure	13,940	psi
Nominal ID	4.276	in	Collapse Pressure	13,470	psi
Drift Diameter	4.151	in			
Nom. Pipe Body Area	5.275	in ²			

Connection OD	5.563	in
Connection ID	4.276	in
Make-Up Loss	4.097	
Critical Section Area	5.275	in ²
Tension Efficiency	100.0	
Compression Efficiency	100.0	
Yield Load In Tension	580,000	lbs
Min. Internal Yield Pressure	13,940	psi
Collapse Pressure	13,470	psi
Uniaxial Bt	1.1	in/ft

Min. Make-Up Torque	800	ft-lb
Opt. Make-Up Torque		ft-lbs
Max. Make-Up		ft



Attachment 3160-5

OXY USA Inc.

Cedar Canyon 21-22 Federal Com #32H – 30-015-44176

Hole Size	Casing Interval		Csg. Size (in)	Weight (lbs/ft)	Grade	Conn.	Safety Factor			
	From (ft)	To (ft)					Collapse	Burst	Body Tension	Joint Tension
8.5	0	9830	5.5	20	P-110	DQX	> 1.125	> 1.2	> 1.4	> 1.4
8.5	9830	19921	5	18	P-110	DQX	> 1.125	> 1.2	> 1.4	> 1.4

Casing	Top of Lead (ft)	Bottom of Lead (ft)	Top of Tail (ft)	Bottom of Tail (Ft)	% Excess Lead	% Excess Tail
Production Casing	N/A	N/A	8200	19921		15%

Casing	#Sks	Wt. (Lb/gal)	Yld ft3/sack	H2O gal/sk	500psi Comp. Strength	Slurry Description
Production Casing	2,505	13.2	1.35	6.57	8:06	Class H Cement, Retarder, Low Fluid Loss Control, Dispersant Salt

