

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD
Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.
NMNM94651

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
CEDAR CANYON 28 FEDERAL COM 2H

2. Name of Operator
OXY USA INCORPORATED

Contact: DAVID R STEWART
E-Mail: david_stewart@oxy.com

9. API Well No.
30-015-41073-00-X1

3a. Address
5 GREENWAY PLAZA STE 110
HOUSTON, TX 77046-0521

3b. Phone No. (include area code)
Ph: 432-685-5717
Fx: 432-685-5742

10. Field and Pool, or Exploratory
CEDAR CANYON

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 28 T24S R29E NWNE 458FNL 1980FEL

11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK 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"/> Fracture Treat	<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

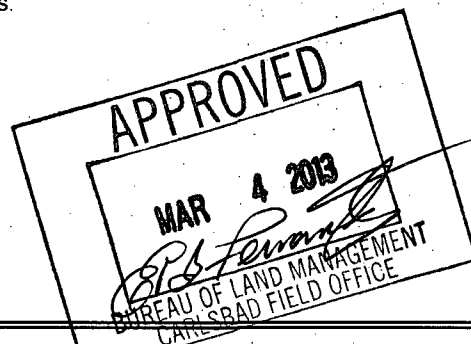
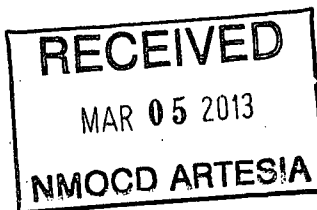
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall 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 approved APD with the attached changes.

Accepted for record
NMOCD

10/3/2013

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



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

Electronic Submission #200396 verified by the BLM Well Information System
For OXY USA INCORPORATED, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 03/04/2013 (13KMS5236SE)

Name (Printed/Typed) DAVID R STEWART

Title REGULATORY ADVISOR

Signature (Electronic Submission)

Date 03/01/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Ed Fernandez</u> (BLM Approver Not Specified)	PETROLEUM ENGINEER	Date 03/04/2013
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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

SUNDRY INFORMATION

OPERATOR NAME: OXY USA Inc

LEASE NAME : Cedar Canyon 28 #2H

Oxy respectfully proposes changing the drilling plan for the Cedar Canyon 28 #2H as follows:

- a. Bit size for the surface hole to be changed from 17.5" to 16". This will change the cement volumes on the surface casing cement job. Recipe to be updated.
- b. Lost circulation material to be removed from recipe on intermediate casing.
- c. Cement program for the 5.5" production casing to be changed. A single stage cement job is proposed, with calculated top of cement to be 500' inside intermediate casing. Engineered lightweight cement to be used as lead cement (10.6# weight.) Lost circulation material to be removed from tail slurry.
- d. Recepte and volumes are detailed below.

2. CEMENT PROGRAM:

Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Surface (TOC: 0' – 435')							
Tail: 0' – 435' (150 % Excess)	360	435'	Premium Plus cement with Premium Plus Cement, 2% Calcium Chloride	6.39	14.80	1.35	1346 psi

Intermediate Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Intermediate (TOC: 0' – 2915')							
Lead: 0' – 2315' (125% Excess)	840	2315'	Light Premium Plus Cement, with 5% Salt	9.83	12.9	1.85	853 psi
Tail: 2315' – 2915' (125 % Excess)	340	600'	Premium Plus cement	6.34	14.80	1.33	1571 psi

Production Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Production (TOC: 2400' - 10678') Single Stage							
Lead: 2400' – 6300' (80% Excess)	600	3900'	Premium Cement, 14.8 lb/sk Silicalite 50/50 Blend, 15 lb/sk Scotchlite HGS-6000, 0.5 lb/sk CFR-3, 0.15 lb/sk WG-17, 1 lb/sk Cal-Seal 60, 1.5 lb/sk Salt, 2% Calcium Chloride-Flake	12.45	10.6	2.69	646 psi
Tail: 6300' – 10678' (40% Excess)	950	4378'	Super H Cement, 3 lbm/sk Salt, 0.4% CFR 3, 0.5% Halad 344, 0.2% HR-800	8.54	13.2	1.64	1447 psi

Cement Additives: *Bentonite (light weight additive), Calcium Chloride (accelerator), Halad-344 (low fluid loss control), HR-601 (retarder), Salt (salt), Poly-E-Flake (lost circulation additive), Silicalite (Additive Material), CFR-3 (Dispersant), Schotchlite HGS 6000 (Light Weight Additive), WG-17 (Gelling Agent), Cal-Seal 60 (Accelerator)

CONDITIONS OF APPROVAL

Sundry dated March 1, 2013

OPERATOR'S NAME:	OXY USA Inc
LEASE NO.:	NM94651
WELL NAME & NO.:	2H Cedar Canyon 28 Federal Com 3001541073
SURFACE HOLE FOOTAGE:	458' / FNL & 1980' / FEL
BOTTOM HOLE FOOTAGE:	380' / FSL & 1980' / FEL
LOCATION:	Section 28, T.24 S., R.29 E., NMPM
COUNTY:	Eddy County, New Mexico

Original COA still applies with the following changes

Medium cave/karst.

Possible lost circulation in the Delaware and Bone Spring formations.

Centralizers required on horizontal leg, must be type for horizontal service and a minimum of one every other joint.

1. The minimum required fill of cement behind the **5-1/2** inch production casing is:

☒ Cement should tie-back at least **500** feet into previous casing string.

Operator shall run a CBL to verify TOC and submit to BLM.

EGF 030413