

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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0384628
2. Name of Operator OXY USA WTP LP		6. If Indian, Allottee or Tribe Name
3a. Address HOUSTON, TX 77210	Contact: JENNIFER A DUARTE E-Mail: jennifer_duarte@oxy.com	7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 713-513-6640	8. Well Name and No. INDIAN BASIN 23 FED COM 1H	9. API Well No. 30-015-41048-00-X1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T21S R23E SWSW 350FSL 530FWL	10. Field and Pool, or Exploratory INDIAN BASIN	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

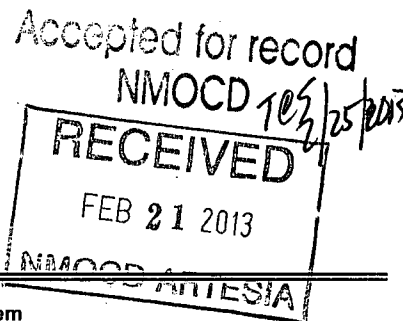
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 WTP LP respectfully request permission to make changes to the casing and cement program on the original APD. Please see the below summary of change and the attachment for more informaiton.

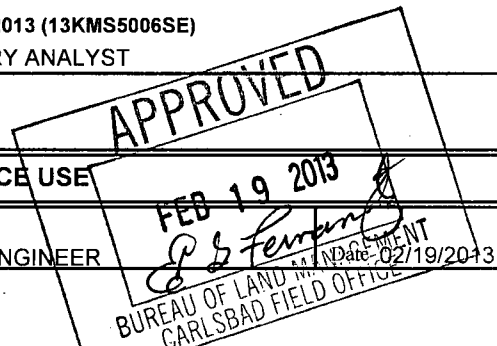
**1. SUMMARY OF CHANGES:**

- Surface casing has been changed from 9.625" to 8.625". The new casing characteristics can be found below. The surface hole size has also been adjusted from 12.25" to 11".
- Pilot and production hole size has been changed from 8.75" to 7.875". The production casing size will remain the same, 5".
- Due to the casing and hole size change, the cement volumes have also been recalculated.

**Original COA still Applies with noted changes.**



14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #198917 verified by the BLM Well Information System</b> <b>For OXY USA WTP LP, sent to the Carlsbad</b> <b>Committed to AFMSS for processing by KURT SIMMONS on 02/19/2013 (13KMS5006SE)</b>	
Name (Printed/Typed) JENNIFER A DUARTE	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/14/2013
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	
Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER
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 \*\***

OXY USA Inc  
Indian Basin 1H  
APD Sundry Data

**OPERATOR NAME / NUMBER:** OXY USA Inc 16696  
**LEASE NAME / NUMBER:** Indian Basin 23 Fed. Com 1H  
**STATE:** NM **COUNTY:** Eddy  
**SURFACE LOCATION:** 350' FSL & 530' FWL, Sec 23, T21S, R23E  
**BOTTOM HOLE LOCATION:** 330' FNL & 380' FWL, Sec. 23, T21S, R23E  
**C-102 PLAT APPROX GR ELEV:** 3852.6' **EST KB ELEV:** 3869.1' (16.5' KB)

**LATERAL GREATEST PROJECTED TD:** 6684' MD/ 2342' TVD **OBJECTIVE:** Upper Yeso  
**PILOT GRATEST PROJECTED TD:** 3200' TVD/MD drilled with 7 7/8" hole **OBJECTIVE:** Yeso

**1. SUMMARY OF CHANGES:**

- a) Surface casing has been changed from 9.625" to 8.625". The new casing characteristics can be found below. The surface hole size has also been adjusted from 12.25" to 11".
- b) Pilot and production hole size has been changed from 8.75" to 7.875". The production casing size will remain the same, 5 1/2".
- c) Due to the casing and hole size change, the cement volumes have also been recalculated.

**2. CASING PROGRAM (All Casing is in NEW condition)**

Surface Casing: 8.625" casing set at ± 800' MD/ 800' TVD in a 11" hole filled with 8.40 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 800'	800'	24	J-55	ST&C LT&C	1370	2950	244	8.097	7.972	5.08	3.66	14.58

Production Casing: 5.5" casing set at ± 6684' MD / 2392' TVD in a 7.875" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 6684'	6684'	17	L-80	LT&C	6290	7740	338	4.892	4.767	5.50	8.55	9.67

Collapse and burst loads calculated using Stress Check with actual anticipated loads.

KOP @ 1676', TOC for Kick Off Plug 1500'

**3. CEMENT PROGRAM:**

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft <sup>3</sup> /sk	24 Hr Comp
<b>Surface (TOC: 0')</b>							
Lead: 0' - 800' (150% Excess)	400	800	Premium Plus cement with 1% Calcium Chloride	6.36	14.8	1.34	1274 psi
<b>Pilot Hole Cement Plug (TOC: 1500')</b>							
Plug Back: 2200' - 3200' (35 % Excess)	350	1000	Premium Plus cement	6.34	14.8	1.33	1692 psi
Kick-off Plug: 1500' - 2200' (35 % Excess)	340	700	Premium Plus cement with 0.4% CFR-3	3.51	17.5	0.94	5532 psi
<b>Production (TOC: 0')</b>							
Lead: 0' - 1676' (125 % Excess)	270	1676	Interfill C cement with 0.25 lbm/sk D-AIR 5000, 2 lbm/sk Kol-Seal, 0.125 lbm/sk Poly-E-Flake	13.80	11.9	2.45	315 psi

Tail: 1676' - 6684' (50% Excess)	1040	5008	50/50 Poz Premium Plus with 0.5% Halad®-344, 0.4% CFR-3, 3 lbm/sk Kol- Seal	5.51	14.2	1.27	454 psi
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**Description of Additives:** Calcium Chloride (Accelerator), CRF-3 (Dispersant), D-AIR 5000 (Defoamer), Kol-Seal (Lost Circulation Additive), Poly-E-Flake (Lost Circulation Additive), Halad®-344 (Low Fluid Loss Control)