Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia
RECEIVED
FEB 13 2013
NMOCD 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.

5. Lease Serial No.
NMNM048345

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
CHRIS ROBIN 20 FEDERAL 11

2. Name of Operator
OXY USA WTP LP
Contact: JENNIFER A DUARTE
E-Mail: JENNIFER_DUARTE@OXY.COM

9. API Well No.
30-015-40833

3a. Address
PO BOX 4294
HOUSTON, TX 77210

3b. Phone No. (include area code)
Ph: 713-513-6640

10. Field and Pool, or Exploratory
ARTESIA GLORIETA YESO

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 20 T17S R28E NWNW 990FNL 880FWL

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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 the below described changes to the casing and cementing plan for the above metioned location. Please see the attached for more information and details.

SUMMARY OF CHANGES:
a. Based off historic wells drilled in the area, the 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?. In an effort to save costs, the conductor will be set at 80? instead of 120?.
b. Due to the casing and hole size change, the cement volumes have also been adjusted. This will allow us to cut down on the excess cement having to be hauled off and exposed of.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Accepted for record
NMOCD 2/13/2013

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #196209 verified by the BLM Well Information System
For OXY USA WTP LP, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 02/06/2013 ()

Name *(Printed/Typed)* JENNIFER A DUARTE — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 02/05/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED
FEB 12 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Approved By _____ Title _____

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.

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

SUMMARY OF CHANGES:

a. Based off historic wells drilled in the area, the 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". In an effort to save costs, the conductor will be set at 80' instead of 120'.

b. Due to the casing and hole size change, the cement volumes have also been adjusted. This will allow us to cut down on the excess cement having to be hauled off and exposed of.

CASING PROGRAM:

Surface Casing: 8.625" casing set at ± 450' MD/ 450' TVD in a 11" hole filled with 10 ppg mud

Interval	Length	Wt	Gr	Condition	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	**SF Coll**	**SF Burst**	**SF Ten**
0'- 450'	450'	24	J-55	New	ST&C	1370	2950	381	8.097	7.972	10.17	1.72	45.54

Production Casing: 5.5" casing set at ± 5300'MD / 5300'TVD in a 7.875" hole filled with 9.2 ppg mud

Interval	Length	Wt	Gr	Condition	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	**SF Coll**	**SF Burst**	**SF Ten**
0'- 5300'	5300'	17	L-80	New	LT&C	6290	7740	338	4.892	4.767	2.48	3.86	4.37

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

CEMENT PROGRAM:

Surface Interval

Interval	**Amount sx**	**Ft of Fill**	**Type**	**Gal/Sk**	**PPG**	**Ft³/sk**	**24 Hr Comp**
Surface (TOC: 0' – 450')							
Lead: 0' – 450' (125% Excess)	210	450'	Premium Plus Cement: 1 % Calcium Chloride - Flake	6.36	14.8	1.34	1608 psi

Production Interval

Interval	**Amount sx**	**Ft of Fill**	**Type**	**Gal/Sk**	**PPG**	**Ft³/sk**	**24 Hr Comp**
Production (TOC: 0' - 5300')							
Lead: 0' – 3200' (98 % Excess)	420	3200'	Interfill C: 0.4% HR-800, 0.25% D-Air 5000	14.34	11.9	2.48	327 psi
Tail: 3200' – 5300' (98 % Excess)	435	2100'	Premium Plus Cement: 0.5% Halad ®-344, 0.2 % Well Life 734, 5 lbm/sk Microbond, 0.3% Econolite, 0.3% CFR-3	7.72	14.2	1.55	1914 psi

Created by Neevia Document Converter trial version http://www.neevia.com

OPERATOR'S NAME:	OXY USA WPT, LP
LEASE NO.:	NMLC048345
WELL NAME & NO.:	11-CHRIS ROBIN 20 FEDERAL
SURFACE HOLE FOOTAGE:	0990'/N. & 0880'/E.
LOCATION:	Section 20, T. 17 S., R. 28 E., NMPM
COUNTY:	Eddy County, New Mexico

Conditions of approval – Original COAs still stand with the following corrections:

A. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

HIGH CAVE/KARST – CONTINGENCY CASING WILL BE REQUIRED IF LOST CIRCULATION OCCURS WHILE DRILLING THE SURFACE HOLE. THE SURFACE HOLE WILL HAVE TO BE REAMED AND A LARGER CASING INSTALLED. IF LOST CIRCULATION OCCURS WHILE DRILLING THE 7-7/8" HOLE, THE CEMENT PROGRAM FOR THE 5-1/2" CASING WILL NEED TO BE MODIFIED AND THE BLM IS TO BE CONTACTED PRIOR TO RUNNING THE CASING. A MINIMUM OF TWO CASING STRINGS CEMENTED TO SURFACE IS REQUIRED IN HIGH CAVE/KARST AREAS. THE CEMENT MUST BE IN A SOLID SHEATH THEREFORE, ONE INCH OPERATIONS WILL NOT BE PERMITTED. A DV TOOL WILL BE REQUIRED.

Possible lost circulation in the Tansill, Grayburg and San Andres formations.
Possible water/brine flows in the Salado and Artesia Groups.

1. The **8-5/8** inch surface casing shall be set at approximately **450** feet and cemented to the surface. **Excess cement calculates to 19% - Additional cement may be required.**

   a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

   b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.

   c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

   d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

   ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office.

3. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

JAM 021213