

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.
NMNM048344

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.8. Well Name and No.
PIGLET 21 FEDERAL 129. API Well No.
30-015-40716-00-X110. Field and Pool, or Exploratory
ARTESIA11. County or Parish, and State
EDDY COUNTY, NM1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
OXY USA WTP LP
Contact: JENNIFER DUARTE
E-Mail: jennifer_duarte@oxy.com3a. Address
HOUSTON, TX 77210
3b. Phone No. (include area code)
Ph: 713-513-66404. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 21 T17S R28E NWNE 445FNL 1865FEL**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 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.)

APD DATA ? DRILLING PLAN ?

OPERATOR NAME / NUMBER: OXY USA WTP Limited Partnership

LEASE NAME / NUMBER: Piglet 21 Federal 12

STATE: NM COUNTY: Eddy

SURFACE LOCATION: 445? FNL & 1865? FEL, Sec 21, T17S, R28E

C-102 PLAT APPROX GR ELEV: 3614?

Accepted for record

NMOC

105 2/1/2013

APPROVED

JAN 29 2013

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Original COA still Applies

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

Electronic Submission #191598 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 01/29/2013 (13KMS4721SE)

Name (Printed/Typed) JENNIFER DUARTE

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/28/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 01/29/2013

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 ****

Additional data for EC transaction #191598 that would not fit on the form

32. Additional remarks, continued

EST KB ELEV: 3628? (14? KB)

1. 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?.
- b. Due to the casing and hole size change, the cement volumes for surface has been adjusted. This will allow us to cut down on the excess cement having to be hauled off and exposed of.

2. 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.

3. 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

32. Additional remarks, continued

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

APD DATA – DRILLING PLAN –

OPERATOR NAME / NUMBER: OXY USA WTP Limited Partnership

LEASE NAME / NUMBER: Piglet 21 Federal 12

STATE: NM COUNTY: Eddy

SURFACE LOCATION: 445' FNL & 1865' FEL, Sec 21, T17S, R28E

C-102 PLAT APPROX GR ELEV: 3614'

EST KB ELEV: 3628' (14' KB)

1. 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".
- b. Due to the casing and hole size change, the cement volumes for surface has been adjusted. This will allow us to cut down on the excess cement having to be hauled off and exposed of.

2. CASING PROGRAM

Surface Casing: 8.625" casing set at \pm 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 \pm 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.

3. CEMENT PROGRAM:

Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /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	Ft ³ /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