

# NM OIL CONSERVATION

ARTESIA DISTRICT  
OCD Artesia  
DEC 01 2014

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM0557371

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
APACHE CORPORATION Contact: PAIGE FUTRELL  
E-Mail: paige.futrell@apachecorp.com

8. Lease Name and Well No.  
AAO FEDERAL 18

3. Address 303 VETERANS AIRPARK LN  
MIDLAND, TX 79705

3a. Phone No. (include area code)  
Ph: 432-818-1893

9. API Well No.  
30-015-42035

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

10. Field and Pool, or Exploratory  
REDLAKE; GLORIETA-YESO, NE

11. Sec., T., R., M., or Block and Survey  
or Area Sec 1 T18S R27E Mer

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded  
08/09/2014

15. Date T.D. Reached  
08/15/2014

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
10/08/2014

17. Elevations (DF, KB, RT, GL)\*  
3654 GL

18. Total Depth: MD 4518  
TVD

19. Plug Back T.D.: MD 4500  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
COMP. NEUT. GAMMA/SECTOR BOND GAMMA

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ Yes (Submit analysis)

### 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	352			530		0	
7.875	5.500 L-80	17.0	4518			950		0	

### 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4359							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3471	4306	3471 TO 4306	1.000	31	PRODUCING
B)						
C)						
D)						

### 26. Perforation Record

Depth Interval	Amount and Type of Material
3471 TO 4306	3948 ACID, 319,159# SAND, 3360 GAL 10# GEL, 232,764 GAL 20#

### 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/08/2014	10/23/2014	24	→	30.0	31.0	368.0	37.0		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→				1033	POW	

### 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

### 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD

NOV 14 2014

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #274410 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

RECLAMATION \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

DUE 4/23/15

CP

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
YATES	294	545	SHALE,SS*,ANHYDRITE/WATER	YATES	294
SEVEN RIVERS	545	895	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	545
GRAYBURG	1594	1935	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1594
SAN ANDRES	1935	3453	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1935
GLORIETA	3453	3500	DOLOMITE, SANDSTONE/O,G,W*	GLORIETA	3453
YESO	3500	3561	DOLOMITE/O,G,W	YESO	3500
PADDOCK	3561	3968	DOLOMITE/O,G,W	PADDOCK	3561
BLINEBRY	3968		DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	3968

32. Additional remarks (include plugging procedure):  
Formation tops continued:

Water table-water formation above Yates-Not logged.  
Bowers SS: 895'-1127' Sandstone  
Queen: 1127'-1594' Siltstone, sandstone, anhydrite/Water.  
There is not a base salt.

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #274410 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 11/05/2014 ()

Name (please print) PAIGE FUTRELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/28/2014

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**Additional data for transaction #274410 that would not fit on the form**

**32. Additional remarks, continued**

SS\*: Siltstone  
Dol\*: Dolomite  
O,G,W\*: Oil, Gas, Water

Attachments- Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 10/28/2014.