

# NM OIL CONSERVATION

CD 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 RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM0557371	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator APACHE CORPORATION		7. Unit or CA Agreement Name and No.	
Contact: PAIGE FUTRELL E-Mail: paige.futrell@apachecorp.com		8. Lease Name and Well No. AAO FEDERAL 19	
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705		9. API Well No. 30-015-42051	
3a. Phone No. (include area code) Ph: 432-818-1893		10. Field and Pool, or Exploratory REDLAKE; GLORIETA-YESO, NE	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENW 2310FNL 2310FWL 32.776954 N Lat, 104.233148 W Lon At top prod interval reported below SENW 2310FNL 2310FWL 32.776954 N Lat, 104.233148 W Lon At total depth SENW 2310FNL 2310FWL 32.776954 N Lat, 104.233148 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 1 T18S R27E Mer	
14. Date Spudded 04/02/2014		15. Date T.D. Reached 04/07/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/16/2014		17. Elevations (DF, KB, RT, GL)* 3609 GL	
18. Total Depth: MD 4600 TVD		19. Plug Back T.D.: MD 4555 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHCS/HI-RES LL/CN/CAL/HNGR	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	370	370		880		0	
7.875	5.500 J-55	17.0	4600	4600		890		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	4423							

#### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3388	4354	3388 TO 4354	1.000	31	PRODUCING
B)						
C)						
D)						

#### 26. Perforation Record

Depth Interval	Amount and Type of Material
3368 TO 4360	3591 ACID, 262,248# SAND, 3360 GAL 10# GEL, 288,876 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
09/16/2014	10/04/2014	24	→	75.0	70.0	456.0	37.0	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
SI			→				933	POW

#### 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
			→					
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
SI			→					



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

ELECTRONIC SUBMISSION #270769 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* CLAMATION OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

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## 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. St	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. St	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	247	495	SHALE,SS*,ANHYDRITE/WATER	YATES	247
SEVEN RIVERS	495	1064	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	495
GRAYBURG	1530	1876	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1530
SAN ANDRES	1876	3364	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1876
GLORIETA	3364	3393	DOLOMITE,SANDSTONE/O,G,W*	GLORIETA	3364
YESO	3393	3466	DOLOMITE/O,G,W	YESO	3393
PADDOCK	3466	3918	DOLOMITE/O,G,W	PADDOCK	3466
BLINEBRY	3918	4425	DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	3918

## 32. Additional remarks (include plugging procedure):

Formation tops continued:

Water table-water formation above Yates-Not logged.  
 Queen: 1064'-1530' Siltstone, sandstone, anhydrite/Water.  
 Tubb: 4425'- did not drill deep enough. Sanstone.  
 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 #270769 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 10/14/2014

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.

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**Additional data for transaction #270769 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 09/18/2014.