

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

REC-001
Artesia

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		6. If Indian, Allottee or Tribe Name	
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 _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator APACHE CORPORATION		8. Lease Name and Well No. AAO FEDERAL 28	
Contact: PAIGE FUTRELL E-Mail: paige.futrell@apachecorp.com		9. API Well No. 30-015-42358	
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705		3a. Phone No. (include area code) Ph: 432-818-1893	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 183FSL 2497FWL 32.769535 N Lat, 104.232413 W Lon At top prod interval reported below SESW 183FSL 2497FWL 32.769535 N Lat, 104.232413 W Lon At total depth SESW 352FSL 2287FWL		10. Field and Pool, or Exploratory REDLAKE; GLORIETA-YESO, NE	
14. Date Spudded 07/12/2014		15. Date T.D. Reached 07/17/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/19/2014		17. Elevations (DF, KB, RT, GL)* 3631 GL	
18. Total Depth: MD TVD 4608		19. Plug Back T.D.: MD TVD 4600	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HOSTILE NAT, BOREHOLE, HI-RES LL, COMP. NEUTRON3, CALIP	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input checked="" 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	365			530		0	
7.875	5.500 J-55	17.0	4608			850		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	4490							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3624	4426	3624 TO 4426	1.000	30	PRODUCING
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
3624 TO 4426	3500 ACID, 286,601# SAND, 3486 GAL 10# GEL, 213,696 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
09/19/2014	10/18/2014	24	→	83.0	65.0	411.0	37.0	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→				783	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD

PRODUCTION METHOD
ELECTRIC PUMPING UNIT

NOV 14 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #276503 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

DUE 4/18/15

CR

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	325	576	SHALE, SS*, ANHYDRITE/WATER	YATES	325
SEVEN RIVERS	576	942	SHALE, SS*, ANHYDRITE, DOL*/O, G, W	SEVEN RIVERS	576
GRAYBURG	1682	2034	DOL*, SS*, SANDSTONE/O, G, W*	GRAYBURG	1682
SAN ANDRES	2034	3618	DOLOMITE, CHERT/O, G, W*	SAN ANDRES	2034
GLORIETA	3618	3657	DOLOMITE, SANDSTONE/O, G, W*	GLORIETA	3618
YESO	3657	3735	DOLOMITE/ O, G, W	YESO	3657
PADDOCK	3735	4163	DOLOMITE/ O, G, W	PADDOCK	3735
BLINEBRY	4163		DOL*, SS*, SANDSTONE/O, G, W*	BLINEBRY	4163

32. Additional remarks (include plugging procedure):

Formation tops continued:

Water table-water formation above Yates-Not logged.

Bowers SS: 942'-1187' Sandstone

Queen: 1187'-1682' 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 #276503 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 11/14/2014 ()

Name (please print) PAIGE FUTRELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/06/2014

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 #276503 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 10/29/2014.