

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OGD Artesia
NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 01 2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM0557371

RECEIVED

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 20

3. Address 303 VETERANS AIRPARK LN
MIDLAND, TX 79705 3a. Phone No. (include area code)
Ph: 432-818-1893

9. API Well No.
30-015-42036

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SWNW 2188FNL 909FWL 32.777336 N Lat, 104.237735 W Lon
At top prod interval reported below SWNW 2188FNL 909FWL 32.777336 N Lat, 104.237735 W Lon
At total depth SWNW 2188FNL 909FWL 32.777336 N Lat, 104.237735 W Lon

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
04/10/2014 15. Date T.D. Reached
04/14/2014 16. Date Completed
 D & A Ready to Prod.
09/23/2014

17. Elevations (DF, KB, RT, GL)*
3592 GL

18. Total Depth: MD 4600 TVD 19. Plug Back T.D.: MD 4560 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 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	350	350		530		0	
7.875	5.500 J-55	17.0	4600	4600		1080		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	4358							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3262	4274	3262 TO 4274	1.000	31	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3262 TO 4274	3654 ACID, 281,990 #16:30 SAND, 54,847 #20:40 SAND, 3150 GAL 10# GEL, 258,174 GAL 20#

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
09/23/2014	10/08/2014	24	→	39.0	110.0	336.0	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		→				2820	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	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 #270378 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION

DUE 4/8/15

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	211	454	SHALE,SS*,ANHYDRITE/WATER	YATES	211
SEVEN RIVERS	454	1018	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	454
GRAYBURG	1473	1813	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1473
SAN ANDRES	1813	3252	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1813
GLORIETA	3252	3291	DOLOMITE,SANDSTONE/O,G,W*	GLORIETA	3252
YESO	3291	3370	DOLOMITE/O,G,W*	YESO	3291
PADDOCK	3370	3817	DOLOMITE/O,G,W*	PADDOCK	3370
BLINEBRY	3817	4397	DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	3817

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

Water table-water formation above Yates-Not logged.
Queen: 1018'-1473'Siltstone, sandstone, anhydrite/Water.
Tubb: 4397'-did not drill deep enough. Sandstone.
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 #270378 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 10/13/2014

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 #270378 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 09/17/2014.