

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 16 2015

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT **RECEIVED**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC029435B

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 CORP  
Contact: ISABEL HUDSON  
E-Mail: Isabel.Hudson@apachecorp.com

8. Lease Name and Well No.  
NFE FEDERAL 35H

3. Address 303 VETERANS AIRPARK LANE SUITE 1000  
MIDLAND, TX 79705  
3a. Phone No. (include area code)  
Ph: 432-818-1142

9. API Well No.  
30-015-42587

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 6 T17S R31E Mer  
At surface 1010FSL 155FEL  
Sec 6 T17S R31E Mer  
At top prod interval reported below 1010FSL 155FEL  
Sec 5 T17S R31E Mer  
At total depth 1030FSL 334FEL

10. Field and Pool, or Exploratory  
CEDAR LAKE; GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey  
or Area Sec 6 T17S R31E Mer

12. County or Parish  
EDDY  
13. State  
NM

14. Date Spudded  
02/17/2015  
15. Date T.D. Reached  
03/02/2015  
16. Date Completed  
 D & A  Ready to Prod.  
11/15/2015

17. Elevations (DF, KB, RT, GL)\*  
3752 GL

18. Total Depth: MD 10280 TVD 5505  
19. Plug Back T.D.: MD 10280 TVD 5505  
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
MD/TVD 5"  
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	0	400		470		0	
11.000	8.625 J-55	32.0	0	3500		1500		0	
7.875	7.000 L-80	29.0	0	4875		600		114	

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	5104							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4693		5754 TO 10243			PRODUCING - OPEN HOLE
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5754 TO 10243	ACID: 2,801 BBLs - SAND: 3,043,470#

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
11/15/2015	11/30/2015	24	▶	357.0	241.0	2401.0	31.0		ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			▶				675	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	
			▶						

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

ELECTRONIC SUBMISSION #325887 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
RUSTLER	405	538	ANHYDRITE, DOLOMITE	RUSTLER	405
SALADO	538	1418	ANHYDRITE, DOLOMITE	SALADO	538
TANSIL	1418	1548	ANHYDRITE, SALT, DOLOMITE, SANDST	TANSIL	1418
YATES	1548	1822	SANDSTONE	YATES	1548
SEVEN RIVERS	1822	2418	SANDSTONE, DOLOMITE, LIMESTONE	SEVEN RIVERS	1822
QUEEN	2418	2838	SANDSTONE, DOLOMITE, LIMESTONE	QUEEN	2418
GRAYBURG	2838	3153	DOLOMITE, LIMESTONE, SANDSTONE	GRAYBURG	2838
SAN ANDRES	3153	4625	DOLOMITE, LIMESTONE, SANDSTONE	SAN ANDRES	3153

32. Additional remarks (include plugging procedure):

51. Formation continued

Formation Lithology Top Bottom  
 Glorieta Sandstone 4625 4693  
 Paddock Dolomite 4693 5253  
 Blinebry Dolomite 5253 TD  
 Tubb Sandstone

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 #325887 Verified by the BLM Well Information System.  
 For APACHE CORP, sent to the Carlsbad**

Name (please print) ISABEL HUDSON Title REGULATORY ANALYST

Signature (Electronic Submission) Date 12/09/2015

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.

**Additional data for transaction #325887 that would not fit on the form**

**32. Additional remarks, continued**

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52. Formation (Log) Markers continued

Name	Top(MD)
Glorieta	4625
Paddock	4693
Blinebry	5253
Tubb	

KOP: 4,875'