Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
APR 20 2016
OCD Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

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. NM 134086

2. Name of Operator: APACHE CORPORATION
Contact: REESA FISHER
E-Mail: Reesa.Fisher@apachecorp.com

8. Lease Name and Well No. CEDAR LAKE FEDERAL 861H

3. Address: 303 VETERANS AIRPARK LANE SUITE 3000, MIDLAND, TX 79705
3a. Phone No. (include area code): Ph: 432-818-1062

9. API Well No. 30-015-43250

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: NESE 1795FSL 25FEL
At top prod interval reported below: NESE 1795FSL 25FEL
At total depth: NWSW 1796FSL 334FWL

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

11. Sec., T., R., M., or Block and Survey or Area: Sec 8 T17S R31E Mer

12. County or Parish: EDDY COUNTY
13. State: NM

14. Date Spudded: 09/16/2015
15. Date T.D. Reached: 10/03/2015
16. Date Completed: ☐ D & A ☒ Ready to Prod. 01/28/2016
17. Elevations (DF, KB, RT, GL)*: 3837 GL

18. Total Depth: MD 9849 TVD 5127
19. Plug Back T.D.: MD 9849 TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): CNL/CBL

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	428		440		0	
12.250	9.625 J-55	40.0	0	3517		1500		0	
8.500	7.000 L-80	29.0	0	4685		660		0	
8.500	5.500 L-80	20.0	4685	9831					

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	4859							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	PADDOCK	4929	9831	5285 TO 9819			OH-PRODUCING
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
5285 TO 9819	2915 BBLS ACID; 3,063,840# SAND

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
01/28/2016	02/02/2016	24	→	164.0	63.0	2352.0	37.0		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**	
			→				384	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**	
			→						

ACCEPTED FOR RECORD
APR 18 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #331014 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation Due: 7/28/16

ICY 4/21/16

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	402	563	ANHYDRITE, DOLOMITE W	RUSTLER	402
SALADO	563	1575	ANHYDRITE, DOLOMITE W	SALADO	563
TANSILL	1575	1711	ANYDRITE,SALT,DOLO,SS O/G/W	TANSILL	1575
YATES	1711	1992	SANDSTONE O/G/W	YATES	1711
SEVEN RIVERS	1992	2611	SANDSTONE,DOLO,LIMESTONE O/G/W	SEVEN RIVERS	1992
QUEEN	2611	3032	SANDSTONE,DOLO,LIMESTONE O/G/W	QUEEN	2611
GRAYBURG	3032	3327	DOLO,LIMESTONE,SANDSTONE O/G/W	GRAYBURG	3032
SAN ANDRES	3327	4859	DOLO,LIMESTONE,SANDSTONE O/G/W	SAN ANDRES	3327

32. Additional remarks (include plugging procedure):
Glorieta 4859 4929 Sandstone O/G/W Glorieta 4859
Paddock 4929 9849 Dolomite O/G/W Paddock 4929

Well previously named NFE Federal Com #61H

KOP @ 4619'

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 #331014 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 04/13/2016 ()

Name *(please print)* REESA FISHER Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission) Date 02/08/2016

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 fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****