

JUL 28 2017

FORM APPROVED
OMB No. 1004-0137
Expires 10/31/2016

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 CORPORATION
Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com

8. Lease Name and Well No.
CEDAR LAKE FEDERAL CA 547H

3. Address 303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79707

3a. Phone No. (include area code)
Ph: 806-435-4604

9. API Well No.
30-015-43507

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At surface SWNW Lot E 2535FNL 715FWL

At top prod interval reported below SWNW Lot H 2008FNL 334FEL

At total depth SWNW Lot H 2008FNL 334FEL

JUL 28 2017

RECEIVED

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 5 T17S R31E Mer

12. County or Parish
EDDY COUNTY

13. State
NM

14. Date Spudded
01/11/2016

15. Date T.D. Reached
01/23/2016

16. Date Completed
☐ D & A ☒ Ready to Prod.
01/24/2017 7-11-2017

17. Elevations (DF, KB, RT, GL)*
3794 GL

18. Total Depth: MD 9068
TVD 4970

19. Plug Back T.D.: MD 9068
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
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 H40	48.0		476		570			
12.250	9.625 J55	40.0	476	3505		1600			
8.500	7.000 HCL80	29.0	3505	4888		630			

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	4309							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO PADDOCK -	5249	9068	5249 TO 9068			OPEN HOLE-PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5249 TO 9068	TOTAL SAND 3,885,740 #, TOTAL ACID 2464 BBL

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
07/11/2017	07/18/2017	24	→	417.0	851.0	693.0			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	
			→				2040	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	
			→						

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #382488 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** C

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	342	519	ANHYDRITE, DOLOMITE W	RUSTLER	342
SALADO	519	1410	ANHYDRITE, DOLOMITE W	SALADO	519
TANSIL	1410	1575	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1410
YATES	1575	1851	SANDSTONE O/G/W	YATES	1575
SEVEN RIVERS	1851	2449	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	1851
QUEEN	2449	2887	SS, DOLO, LIMESTONE O/G/W	QUEEN	2449
GRAYBURG	2887	3190	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	2887
SAN ANDRES	3190	4659	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3190

32. Additional remarks (include plugging procedure):

GLORIETA 4659-4741 SANDSTONE O/G/W
PADDOCK 4741 - TD (9068') DOLOMITE O/G/W

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 #382488 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) EMILY FOLLISTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 07/25/2017

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 ****