

JUL 28 2017

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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: **806-433-4661**

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**

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

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

26. Perforation Record

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

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	Production Method
07/11/2017	07/18/2017	24	→	417.0	851.0	693.0			ELECTRIC PUMP SUB-SURFACE

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
			→				2040		POW

(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**

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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 FOLLIS Title REGULATORY ANALYST

Signature (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.