Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No.
NMLC029426B

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   Contact: ALICIA FULTON
APACHE CORPORATION   E-Mail: Alicia.fulton@apachecorp.com

8. Lease Name and Well No.
CEDAR LAKE FEDERAL CA 954H

3. Address   303 VETERANS AIRPARK LANE
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1088

9. API Well No.
30-015-45029

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
          Sec 9 T17S R31E Mer
At surface   NWNW 1039FNL 510FWL
                      Sec 9 T17S R31E Mer
At top prod interval reported below   Lot D 1035FNL 441FWL
          Sec 7 T17S R31E Mer
At total depth   1318FNL 330FWL   *RR 7-16-18*

10. Field and Pool, or Exploratory
FREN-GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey
or Area Sec 9 T17S R31E Mer

12. County or Parish	13. State
EDDY	NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, KB, RT, GL)*
06/25/2018	07/18/2018 *7-11-18*	☐ D & A ☒ Ready to Prod. 09/13/2018	*3875' GR*

18. Total Depth:	MD 15682	19. Plug Back T.D.:	MD	20. Depth Bridge Plug Set:	MD
	TVD 5390		TVD		TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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	566		550		0	0
12.250	9.625 J-55	40.0	0	3501		*1400* 1300		0	0
8.500	7.000 HCL-80	29.0	0	5020		760		0	0
8.500	5.500 HCL-80	20.0	5020	15660	*no cement on 5½" casing*				

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	5317							

25. Producing Intervals   26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	PADDOCK	5071	15682	5071 TO 15682			PRODUCING
B)				*no perforations -*			
C)				*Open hole completion w/ 5½"*			
D)				*packer assembly*			

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

Depth Interval	Amount and Type of Material
5071-15682	*Frac (35 stages) with 6,663,696 # proppant*
	7017 bbls acid
	145,469 bbls slickwater

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
09/13/2018	09/25/2018	24	▷	603.0	249.0	1245.0			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
			▷					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 #438905 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPE   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.)*
   CAPTURED

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	431	589	ANHYDRITE,DOLOMITE	RUSTLER	431
SALADO	589	1604	ANHYDRITE,DOLOMITE	SALADO	589
TANSIL	1604	1741	ANHYDRITE, SALT,DOLOMITE, SS	TANSIL	1604
YATES	1741	2021	SANDSTONE	YATES	1741
SEVEN RIVERS	2021	2642	SANDSTONE,DOLOMITE,LIMESTONE	SEVEN RIVERS	2021
QUEEN	2642	3071	SANDSTONE, DOLOMITE, LIMESTONE	QUEEN	2642
GRAYBURG	3071	3350	DOLOMITE,LIMESTONE, SANDSTONE	GRAYBURG	3071
SAN ANDRES	3350	4895	DOLOMITE,LIMESTONE SANDSTONE	SAN ANDRES	3350

32. Additional remarks (include plugging procedure):
   Glorieta sandstone 4895-5932
   paddock dolomite 4932-5537
   blinebry dolomite 5537- 15682

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 #438905 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name *(please print)* ALICIA FULTON   Title SR REGULATORY ANALYST

Signature   (Electronic Submission)   Date 10/09/2018

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