

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland TX 79705		² OGRID Number 873
³ Reason for Filing Code/ Effective Date NW/12/14/17		
⁴ API Number 30-015-43522	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code [96831]
⁷ Property Code 315935	⁸ Property Name CEDAR LAKE FEDERAL CA	⁹ Well Number 411H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	4	17S	31E		1043	NORTH	955	EAST	EDDY

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	4	17S	31E		341	NORTH	296	WEST	EDDY

¹² Use Code F	¹³ Producing Method Code P	¹⁴ Gas Conversion Date 12/14/17	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/V
252293	Holly Energy Pipeline 311 W Quay / PO Box 1380 Artesia NM 88210 NM OIL CONSERVATION ARTESIA DISTRICT	O
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135 FEB 15 2018	G
38785	DCP Midstream, LP 370 17th St Suite 2500 Denver CO 80202 RECEIVED	G

IV. Well Completion Data

²¹ Spud Date 08/08/17	²² Ready Date 12/14/17	²³ TD 9181/5110	²⁴ PBDT 9181	²⁵ Perforations 5565-9181	²⁶ DIIC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5'	13.375 48# J55	655	600 sx Class C - CUC		
12.25'	9.625 40# J55	3521'	1400 sx Class C - CUC		
8.5'	7"28# L80/5.5 20#L80	4696-9181'	650 sx Class C - CUC		
Tubing	2.875 J55 6.50#	5051			

V. Well Test Data

³¹ Date New Oil 12/14/17	³² Gas Delivery Date 12/14/17	³³ Test Date 12/28/17	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 287	³⁹ Water 909	⁴⁰ Gas 358		⁴¹ Test Method P

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Emily Follis</i>		Approved by: <i>Rusty Klen</i>	
Printed name: Emily Follis		Title: <i>Business Ops Spec A</i>	
Title: Reg Analyst		Approval Date: <i>2-28-2018</i>	
E-mail Address: emily.follis@apachecorp.com			
Date: 01/10/2018	Phone: 432-818-1801		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

8. Lease Name and Well No.
CEDAR LAKE FEDERAL CA 411H

3. Address 303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1801

9. API Well No.
30-015-43522

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

At surface NENE 1043FNL 955FEL

At top prod interval reported below NENE 1043FNL 955FEL

At total depth NENE 341FNL 296FEL

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 4 T17S R31E Mer

12. County or Parish
EDDY COUNTY

13. State
NM

14. Date Spudded
06/06/2017

15. Date T.D. Reached
06/18/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
12/14/2017

17. Elevations (DF, KB, RT, GL)*
3958 GL

18. Total Depth: MD
TVD 9181
5110

19. Plug Back T.D.: MD
TVD 9181

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL, GR, CCL

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 J55	47.0	0	655		600	804		
12.250	9.625 J55	36.0	0	3521		1400	1848		
8.500	7.000 L80	29.0	0	4705		650	962		
8.500	5.500 L80	20.0	4708	9181					

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	5051							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5044	9181	5565 TO 9181			PRODUCING
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5565 TO 9181	TOTAL SAND 2,630,740# , TOTAL ACID 1,666 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
12/14/2017	12/29/2017	24	→	287.0	358.0	909.0			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	
			→				1247	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 #400393 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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JAN 23 2018

ARTESIA DISTRICT

MA OIL CONSERVATION

2-28-2018
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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	566	715	ANHYDRITE, DOLOMITE W	RUSTLER	566
SALADO	715	1744	ANHYDRITE, DOLOMITE W	SALADO	715
TANSIL	1744	1910	ANHYDRITE, SALT, DOLO, SS OGW	TANSIL	1744
YATES	1910	2180	SANDSTONE O/GW	YATES	1910
SEVEN RIVERS	2180	2799	SANDSTONE, DOLO, LIME OGW	SEVEN RIVERS	2180
QUEEN	2799	3199	SANDSTONE, DOLO, LIME OGW	QUEEN	2799
GRAYBURG	3199	3506	DOLO, LIMESTONE, SANDSTONE OGW	GRAYBURG	3199
SAN ANDRES	3506	4981	DOLO, LIMESTONE, SANDSTONE OGW	SAN ANDRES	3506

32. Additional remarks (include plugging procedure):

Glorieta Sandstone O/GW 4,981 5044
Paddock Dolomite O/GW 5,044 TD(9181')

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 #400393 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLISTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 01/11/2018

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.

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