

NM OIL CONSERVATION

ARTESIA DISTRICT
Artesia
SEP 26 2016

Form 3160-4
(August 2007)

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 LOGS

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.
NMNM134086

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 648H

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.
30-015-43442

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface Sec 6 T17S R31E Mer SWNW Lot 6 1915FNL 330FWL
 At top prod interval reported below Sec 5 T17S R31E Mer SWNW 1915FNL 547FWL
 At total depth Sec 5 T17S R31E Mer SWNW 1915FNL 547FWL

10. Field and Pool, or Exploratory
CEDAR LAKE; GLORIETA-YESO
 11. Sec., T., R., M., or Block and Survey or Area Sec 6 T17S R31E Mer
 12. County or Parish EDDY COUNTY
 13. State NM

14. Date Spudded 12/23/2015
 15. Date T.D. Reached 01/04/2016
 16. Date Completed D & A Ready to Prod.

17. Elevations (DF, KB, RT, GL)*
3763 GL

18. Total Depth: MD 10170 TVD 5303
 19. Plug Back T.D.: MD 10170 TVD
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL-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
12.250	9.625 J55	40.0		3505		1800			
8.500	7.000 L80	29.0		4713		630			
17.500	13.375 H40	48.0	451	451		550			

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	4988							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO UPPER BLINBRY	5198	10170	5503 TO 10051			OPEN HOLE PRODUCING
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5503 TO 10051	TOTAL SAND 4,819,688#, TOTAL ACID 2987 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
08/13/2016	08/23/2016	24	→	96.0	10.0	1720.0	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	
			→				104	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
 SEP 16 2016
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #349309 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due 2/13/2017

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	298	454	ANHYDRITE, DOLOMITE W	RUSTLER	298
SALADO	454	1360	ANHYDRITE, DOLOMITE W	SALADO	454
TANSIL	1360	1515	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1360
YATES	1515	1785	SANDSTONE O/G/W	YATES	1515
SEVEN RIVERS	1785	2383	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVER	1785
QUEEN	2383	2802	SS, DOLO, LIMESTONE O/G/W	QUEEN	2383
GRAYBURG	2802	3107	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	2802
SAN ANDRES	3107	4526	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3107

32. Additional remarks (include plugging procedure):

GLORIETA 4526 - 4589 SANDSTONE O/G/W
 PADDOCK 4589 - 5198 DOLOMITE O/G/W
 BLINEBRY 5198 - TD(10,170') 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 #349309 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 08/29/2016

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

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