

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

**AUG 19 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 LOG**

**RECEIVED**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. NMNM134086	
2. Name of Operator APACHE CORPORATION		8. Lease Name and Well No. CEDAR LAKE FEDERAL CA 827H	
Contact: EMILY FOLLIS E-Mail: Emily.Follis@apachecorp.com		9. API Well No. 30-015-40470	
3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705		3a. Phone No. (include area code) Ph: 432-818-1801	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW Lot E 2063FNL 220FWL At top prod interval reported below SWNW Lot H 2055FNL 332FWL At total depth SWNW Lot H 2055FNL 332FWL		10. Field and Pool, or Exploratory CEDAR LAKE ;GLORIETA YESO	
14. Date Spudded 12/24/2016		15. Date T.D. Reached 12/01/2012	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/29/2016		17. Elevations (DF, KB, RT, GL)* 3727 GL	
18. Total Depth: MD 10415 TVD 5937		19. Plug Back T.D.: MD 10415 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SBGR-CCL/CNGR-CCL	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 H40	48.0		416		535			
12.250	9.625 J55	36.0		3270		1665			
8.750	7.000 J55	26.0		5328		220			

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	5431							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	5233	10415	6068 TO 10401			OPEN HOLE PRODUCING
B)						
C)						
D)						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	5233	10415	6068 TO 10401			OPEN HOLE PRODUCING

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

Depth Interval	Amount and Type of Material
6068 TO 10401	TOTAL SAND #2,841,962 & TOTAL ACID 2676 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
07/29/2016	08/01/2016	24	→	103.0	86.0	1020.0	37.0		ET
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→				834		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

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.)  
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	416	451	ANHYDRITE, DOLOMITE W	RUSTLER	416
SALADO	451	1359	ANHYDRITE, DOLOMITE W	SALADO	451
TANSIL	1359	1520	ANHYDRITE, DOLOMITE O/G/W	TANSIL	1359
YATES	1520	1795	SANDSTONE O/G/W	YATES	1520
SEVEN RIVERS	1795	2408	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	1795
QUEEN	2408	2813	SS, DOLO, LIMESTONE O/G/W	QUEEN	24008
GRAYBURG	2813	3132	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	2813
SAN ANDRES	3132	4632	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3132

32. Additional remarks (include plugging procedure):

GLORIETA 4632-4704 SANDSTONE O/G/W  
 PADDOCK 4704-5233 DOLOMITE O/G/W  
 BLINEBRY 5233- TD(10,415) 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 #347679 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 08/12/2016

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***