

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCEAN COUNTY
ARTESIA

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.	
2. Name of Operator APACHE CORPORATION		8. Lease Name and Well No. LEE FEDERAL (308720) 88	
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705		9. API Well No. 30-015-41843	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 470FSL 1665FWL 32.814092 N Lat, 103.895041 W Lon At top prod interval reported below SESW 470FSL 1665FWL 32.814092 N Lat, 103.895041 W Lon At total depth SESW 470FSL 1665FWL 32.814092 N Lat, 103.895041 W Lon		10. Field and Pool, or Exploratory CEDAR LAKE, GLORIETA-YESO	
14. Date Spudded 02/01/2014		15. Date T.D. Reached 02/11/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/06/2014		17. Elevations (DF, KB, RT, GL)* 3679 GL	
18. Total Depth: MD 6400 TVD		19. Plug Back T.D.: MD 6390 TVD	
20. Depth Bridge Plug Set: MD TVD			

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHPL/CN/BHCS-SGR/HI-RES LL		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)	
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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 H-40	48.0		338		1214		0	
11.000	8.625 J-55	32.0		3500		1160		0	
7.875	5.500 J-55	17.0		6400		980		0	

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	6365							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4795		4800 TO 5360	1.000	30	PRODUCING
B) PADDOCK	4883		5447 TO 5801	1.000	18	PRODUCING
C) BLINEBRY	5284		5868 TO 6299	1.000	21	PRODUCING
D)						

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

Depth Interval	Amount and Type of Material
4800 TO 5360	206,010 GALS 20#, 268,482# SAND, 3519 GALS ACID, 4662 GALS GEL
5447 TO 5801	105,966 GALS 20#, 147,233# SAND, 5832 GALS ACID, 4032 GALS GEL
5868 TO 6299	140,574 GALS 20#, 173,090# SAND, 5035 GALS ACID, 3612 GALS GEL

28. Production - Interval A										<div style="border: 2px solid black; padding: 5px; display: inline-block;"> ACCEPTED FOR RECORD <div style="border: 1px solid black; padding: 5px; display: inline-block;"> ELECTRIC PUMPING UNIT NOV 18 2014 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE </div> </div>
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
04/06/2014	09/08/2014	24	→	2.4	9.6	636.0	37.0			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status		
			→				4000	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		
			→							
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 #264705 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

DUE 3/8/15

CP

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	327	409	SANDSTONE / ANHYDRITE	RUSTLER	327
YATES	1492	1853	SANDSTONE	YATES	1492
SEVEN RIVERS	1853	2465	DOLOMITE / ANHYDRITE - GAS	SEVEN RIVERS	1853
GRAYBURG	2842	3233	SS* / DOLOMITE - GAS & WATER	GRAYBURG	2842
GLORIETA	4795	4883	SANDSTONE - OIL, GAS & WATER	GLORIETA	4795
PADDOCK	4883	5284	DOLOMITE - OIL, GAS & WATER	PADDOCK	4883
BLINEBRY	5284	6303	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5284
TUBB	6303		SANDSTONE - OIL, GAS & WATER	TUBB	6303

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 04/08/2014.

Ogallala - Water formation above Rustler - not logged.
Tansill Salt - Sandstone / Anhydrite - 409'-1305'.
Bottom Salt - Sandstone / Anhydrite - 1305'-1492'.
Queen - Sandstone / Dolomite - Gas - 2465'-2842'.
San Andres - Carbonate - Oil, Gas & Water - 3233'-4795'.
Tubb - didn't drill far enough to get bottom depth of Tubb.

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 #264705 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 11/18/2014 ()

Name(please print) FATIMA VASQUEZTitle REGULATORY ANALYST IISignature (Electronic Submission)Date 09/19/2014

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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