

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 03 2014
OCD Artesia
1-25-14
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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) 84	
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705		9. API Well No. 30-015-41901	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 815FSL 990FEL 32.815052 N Lat, 103.886538 W Lon At top prod interval reported below SESE 815FSL 990FEL 32.815052 N Lat, 103.886538 W Lon At total depth SESE 815FSL 990FEL 32.815052 N Lat, 103.886538 W Lon		10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO	
14. Date Spudded 03/25/2014		11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R31E Mer	
15. Date T.D. Reached 04/06/2014		12. County or Parish EDDY	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/14/2014		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3748 GL			
18. Total Depth: MD TVD 6402		20. Depth Bridge Plug Set: MD TVD	
19. Plug Back T.D.: MD TVD 6360			

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HNGR/BHCS/HI-RES LL/CNL/CAL		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		417		1160		0	
11.000	8.625 J-55	32.0		3524		1270		0	
7.875	5.500 J-55	17.0		6402		1000		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	6323							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4810		4810 TO 5350	1.000	28	PRODUCING
B) PADDOCK	4872		5414 TO 6192	1.000	33	PRODUCING
C) BLINEBRY	5397					
D)						

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

Depth Interval	Amount and Type of Material
4810 TO 5350	189,210 GALS 20#, 233,840# SAND, 8232 GALS ACID, 4578 GALS GEL
5414 TO 6192	241,332 GALS 20#, 299,174# SAND, 4174 GALS ACID, 4242 GALS GEL

28. Production - Interval A

Date First Produced 05/14/2014	Test Date 09/03/2014	Hours Tested 24	Test Production →	Oil BBL 46.0	Gas MCF 41.0	Water BBL 294.0	Oil Gravity Corr. API 37.0	Gas Gravity	Production Method ELECTRIC PUMPING UNIT NOV 18 2014 <i>[Signature]</i>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio 891	Well Status ROW	

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	BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
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 #265385 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

DUE 3/3/15

CR

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	Thg. 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	Thg. 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	330	488	SANDSTONE / ANHYDRITE	RUSTLER	330
YATES	1585	1867	SANDSTONE	YATES	1585
SEVEN RIVERS	1867	2494	DOLOMITE / ANHYDRITE - GAS	SEVEN RIVERS	1867
GRAYBURG	2865	3260	SS* / DOLOMITE - GAS & WATER	GRAYBURG	2865
GLORIETA	4810	4872	SANDSTONE - OIL, GAS & WATER	GLORIETA	4810
PADDOCK	4872	5397	DOLOMITE - OIL, GAS & WATER	PADDOCK	4872
BLINEBRY	5397	6264	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5397
TUBB	6264		SANDSTONE - OIL, GAS & WATER	TUBB	6264

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 06/30/2014.

Ogallala - Water formation above Rustler - not logged.
Tansill Salt - Sandstone / Anhydrite - 488'-1285'.
Bottom Salt - Sandstone / Anhydrite - 1285'-1585'.
Queen - Sandstone / Dolomite - Gas - 2494'-2865'.
San Andres - Carbonate - Oil, Gas & Water - 3260'-4810'.
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 #265385 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 VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 09/23/2014

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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