

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 3000 Midland TX 79705		² OGRID Number 873	
		³ Reason for Filing Code/ Effective Date NW / 05/14/2014	
⁴ API Number 30-015-41901	⁵ Pool Name Cedar Lake; Glorieta-Yeso		⁶ Pool Code 96831
⁷ Property Code 308720	⁸ Property Name Lee Federal		⁹ Well Number 084

II. ¹⁰ Surface Location

UL or lot no. P	Section 20	Township 17S	Range 31E	Lot Idn	Feet from the 815	North/South Line South	Feet from the 990	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 05/14/2014	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	O
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	G
NM OIL CONSERVATION ARTESIA DISTRICT SEP 29 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 03/25/2014	²² Ready Date 05/14/2014	²³ TD 6402'	²⁴ PBTD 6360'	²⁵ Perforations 4810'-6192'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	417'	1160 sx Class C		
11"	8-5/8"	3524'	1270 sx Class C		
7-7/8"	5-1/2"	6402'	1000 sx Class C		
Tubing	2-7/8"	6323'			

V. Well Test Data

³¹ Date New Oil 05/14/2014	³² Gas Delivery Date 05/14/2014	³³ Test Date 09/03/2014	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 46	³⁹ Water 294	⁴⁰ Gas 41		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.

Signature:

Printed name:

Fatima Vasquez

Title:

Regulatory Analyst II

E-mail Address:

Fatima.Vasquez@apachecorp.com

Date:

09/23/2014

Phone:

(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:

T.C. Shepard
"Geologist"

Title:

Approval Date:

10-2-2014

Pending BLM approvals will subsequently be reviewed and scanned

TCS

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 29 2014

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

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029395B

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			15. Date T.D. Reached 04/06/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/14/2014			17. Elevations (DF, KB, RT, GL)* 3748 GL		
18. Total Depth: MD TVD 6402		19. Plug Back T.D.: MD TVD 6360		20. Depth Bridge Plug Set: MD TVD	
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)		

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 Sks. & 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)						

26. Perforation Record

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

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/14/2014	09/03/2014	24	→	46.0	41.0	294.0	37.0		ELECTRIC PUMP T
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→				891		

28a. Production - Interval B

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

Pending BLM approvals will
subsequently be reviewed
and scanned

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(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #265385 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	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

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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