



PHOENIX
TECHNOLOGY SERVICES

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 20 2014

November 18, 2014

RECEIVED

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Apache Corporation
Lee Federal #67D
Eddy County, NM
API #30-015-41347
Job No. 1412289

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
John Sallaz	67D	0	308.4	11/12/14	11/12/14	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Dana Robinson

Dana Robinson
Operations Administrator
Certified mail receipt number:

7011 1570 0001 4365 2582

SURVEY CERTIFICATION FORM



PHOENIX
TECHNOLOGY SERVICES

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964

Company: APACHE

Job #: 1412289

Well Name: LEE FEDERAL #67D

County/State: EDDY CO NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-41347

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	SURFACE

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
11/12/2014	0	0	0

Last Survey

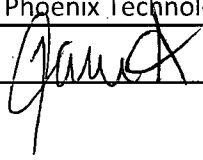
Date	Depth (ft)	Inclination (°)	Azimuth (°)
11/12/2014	308.40	0.63	302.61

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.24

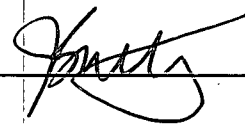
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: 

To the best of my knowledge I certify this survey data to be correct and true

Date: 11/12/2014

Print Name: JOHN SALLAZ

Signature: 

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ARTESIA DISTRICT
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Phoenix Technology Gyro Survey:

Date: 2014-11-12
 Operator : John Sallaz
 Well Number : Lee Federal #67D
 Customer: Apache
 Tool Type And Number: Drop #056
 Bottom Depth : 308.40 Feet
 Depth Reference: 11 Feet
 Latitude : 32.822611N
 Longitude: 103.893582W
 Grid Correction: -0.24



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Starting Point Coordinates (in local grid):

Northing: 0 Easting: 0 Altitude: 0

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in feet

Start Time: 2014-11-12 10:50

End Time: 2014-11-12 12:15

****FIELD COPY**NOT DEFINITIVE****

Depth	Inclination	Azimuth	Closure Direction	TVD	Coordinates		Closure Distance	Dogleg Severity
					+N/-S	+E/-W		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.27	0.63	327.37	327.88	92.27	0.43	-0.27	0.51	0.21
184.72	0.48	240.94	307.28	184.71	0.67	-0.88	1.11	0.28
273.45	0.54	311.56	296.87	273.44	0.77	-1.52	1.70	0.21
308.40	0.63	302.61	298.57	308.39	0.98	-1.80	2.05	0.11

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-6170
DISTRICT II
811 S. First St., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-6170
DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

NEOIL CONSERVATION
ARTESIA DISTRICT
OCT 09 2014

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

OCT 02 2014

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AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41347	Pool Code 96831	Pool Name Cedar Lake, Glorita-Yeso
Property Code 308720	Property Name LEE FEDERAL	Well Number 67
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3645'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	17-S	31-E		1650	NORTH	1950	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	17-S	31-E		1650	NORTH	1650	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=663257.9 N X=635090.2 E</p> <p>LAT.=32° 49' 21" N LONG.=103° 53' 37" W</p> <p>BOTTOM HOLE LOCATION Y=663255.7 N X=634790.2 E</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 9/30/14 Signature Date</p> <p>Sorina L. Flores Printed Name</p> <p>sorina.flores@apachecorp.com E-mail Address</p>
<p>CORNER COORDINATES TABLE</p> <p>A) Y=663582.1 N, X=634459.0 E</p> <p>B) Y=663592.4 N, X=635778.6 E</p> <p>C) Y=662261.6 N, X=634466.5 E</p> <p>D) Y=662272.0 N, X=635786.0 E</p>		<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MAY 23, 2012</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor:</p> <p>Ronald G. Edson 9/25/2014 Certificate Number Gary G. Edson 12641 Ronald G. Edson 3239</p> <p>LSL REV. 9/25/14 JWSC W.O.: 12.11.0602</p>