

DATE IN 10/01/2015	SUSPENSE	ENGINEER MAM	LOGGED IN 10/01/2015	TYPE NSL	APP NO. PMA1527454320
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
 X NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

NSL-7349
 Apache Corporation's -873
 Lee Federal 94

~~30-015-48197~~

Pool
 - Cedunlak-
 - Antasio Glonieto-
 Glonieto
 66831

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

2015 OCT - 1 P 2 46
 RECEIVED OGD

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Brian Wood

Print or Type Name

Signature

Consultant

Title

brian@permitswest.com

e-mail Address

10-1-15

Date



**REQUEST FOR ADMINISTRATIVE APPROVAL
NONSTANDARD LOCATION
APACHE CORPORATION'S
LEE FEDERAL 94
30-015-43365**

**SHL: 105 FSL & 850 FWL 17-17s-31e, Eddy County, NM
BHL: 330 FNL & 990 FWL 20-17s-31e, Eddy County, NM**

**PERFORATION INTERVAL:
FROM 20.5 FNL & 890.4 FWL 20-17s-31e, Eddy County, NM
TO 256 FNL & 966.2 FWL 20-17s-31e, Eddy County, NM**

I. This proposed 6400' TVD (6439' MD) oil well is on BLM surface and 1,786.15 acre BLM oil and gas lease NMLC-029395B. The directional well is nonstandard (too far north) for the Cedar Lake; Glorieta-Yeso Pool (96831) due to geology.

The entire perforated interval is outside the drilling window, but towards the interior of the lease. Perforations range from 20.5' to 256' from the boundary of the quarter-quarter, instead of the standard $\geq 330'$ from the boundary of the quarter-quarter.

Apache requests a nonstandard location due to geology. Apache already has 3 other Cedar Lake; Glorieta-Yeso wells in the quarter-quarter and 61 other Cedar Lake; Glorieta-Yeso wells in Section 20. Producing this well from the perforated interval will prevent waste and recover additional reserves.

A standard location must be $\geq 330'$ from the boundary of the quarter-quarter. In this case, the perforated interval will be 74' to 309.5' outside the drilling window boundary of unit letter D.

II. Form C-102 showing the well and 40-acre dedication is attached as Exhibit A. The perforated interval is anywhere from 74' to 309.5' too far north. Exhibit B shows the plan and profile views of the well bore.

III. Lease boundaries are shown on Exhibit C. The well encroaches to the north. Cedar Lake; Glorieta-Yeso dedications exist in unit letter D of Section 20

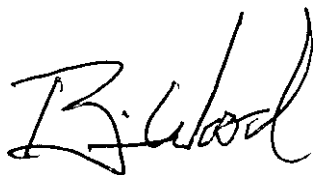
and all 8 bordering or cornering quarter-quarters. Apache operates the Cedar Lake; Glorieta-Yeso wells in the quarter-quarters toward which the well encroaches and all 8 bordering or cornering quarter-quarters. All 8 quarter-quarters are on BLM leases. Closest lease boundary to a perforation is 890.4' west. This information is current and correct.

IV. Archaeology is not an issue.

V. Surface issues (pipelines) forced the need for a directional well. Geology and the need to prevent waste and recover additional reserves drove the need for this nonstandard location.

VI. Apache does not believe directional drilling to a standard location is cost effective for this well. Perforations will be in the reservoir sweet spot.

VII. The perforations are nonstandard (20.5' to 256' from the boundary of the quarter-quarter) for the Cedar Lake; Glorieta-Yeso Pool. I hereby certify that there is common ownership and partner approval of the working interest in the lease which comprises the proposed 40 acre spacing unit (NWNW Section 20) and the adjacent quarter-quarters (S2SW4 Section 17 and NENW Section 20) of the sides and corner toward which it encroaches, and that the information is current and correct. Therefore, notice to any affected party is not required.



Brian Wood, Consultant

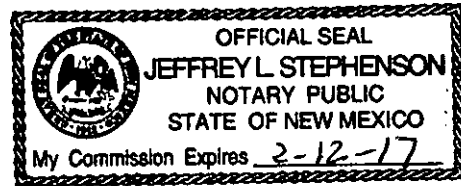
10-1-15

Date

STATE OF NEW MEXICO)
) SS:
COUNTY OF SANTA FE)

The foregoing instrument was acknowledged before me this 1st day of October, 2015 by Brian Wood. Witness my hand and official seal.

Jeffrey L. Stephenson
Notary Public



My Commission Expires: 2-12-2017

Business Address: 37 Verano Loop, Santa Fe NM 87508

cc: Flores

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 745-1283 Fax: (575) 745-9720

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

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

X AMENDED REPORT
(take points added)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-43685	Pool Code 96831	Pool Name Cedar Lake; Glorieta-Yeso
Property Code 308720	Property Name LEE FEDERAL	Well Number 94
OGRID No 873	Operator Name APACHE CORPORATION	Elevation 3672'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	17-S	31-E		105	SOUTH	850	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
D	20	17-S	31-E		330	NORTH	990	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

CORNER COORDINATES TABLE NAD 27 NME A - Y= 666213.6 N, X= 633124.2 E B - Y= 666223.9 N, X= 634444.1 E C - Y= 664902.7 N, X= 634451.6 E D - Y= 663582.1 N, X= 634459.0 E E - Y= 663571.9 N, X= 633138.8 E F - Y= 664892.6 N, X= 633131.9 E		GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 665067.9 N X= 675159.8 E LAT.=32.827541° N LONG.=103.897675° W LAT.=32°49'39" N LONG.=103°53'52" W		GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 665004.1 N X= 633981.1 E LAT.=32.827423° N LONG.=103.897168° W LAT.=32°49'39" N LONG.=103°53'50" W		OPERATOR CERTIFICATION 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. <i>Brian Wood</i> 10-1-15 Signature Date Brian Wood Printed Name brian@permitswest.com E-mail Address
CORNER COORDINATES TABLE NAD 83 NME A - Y= 666277.5 N, X= 674302.9 E B - Y= 666287.8 N, X= 675622.7 E C - Y= 664966.5 N, X= 675630.3 E D - Y= 663646.0 N, X= 675637.7 E E - Y= 663635.7 N, X= 674317.5 E F - Y= 664956.5 N, X= 674310.6 E		FIRST TAKE POINT NAD 83 NME Y= 664942.7 N X= 675200.9 E LAT.=32.827196° N LONG.=103.897543° W LAT.=32°49'38" N LONG.=103°53'51" W		FIRST TAKE POINT NAD 27 NME Y= 664878.9 N X= 634022.2 E LAT.=32.827078° N LONG.=103.897036° W LAT.=32°49'37" N LONG.=103°53'49" W		
SECTION 17 SECTION 20 GRID AZ.=161°50'39" HORIZ. DIST.=456.7' S.L. TO B.H.		LAST TAKE POINT NAD 83 NME Y= 664707.8 N X= 675277.9 E LAT.=32.826550° N LONG.=103.897296° W LAT.=32°49'36" N LONG.=103°53'50" W		LAST TAKE POINT NAD 27 NME Y= 664644.0 N X= 634099.2 E LAT.=32.826432° N LONG.=103.896789° W LAT.=32°49'35" N LONG.=103°53'48" W		
BOTTOM HOLE LOCATION NAD 83 NME Y= 664634.1 N X= 675302.1 E LAT.=32.826347° N LONG.=103.897218° W LAT.=32°49'35" N LONG.=103°53'50" W		BOTTOM HOLE LOCATION NAD 27 NME Y= 664570.2 N X= 634123.4 E LAT.=32.826229° N LONG.=103.896711° W LAT.=32°49'34" N LONG.=103°53'48" W		SURVEYOR CERTIFICATION 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. JULY 31, 2014 Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO 3239 Certificate Number: Gary G. Eidson 12641 Ronald J. Eidson 3239 LSL REL W.O. 15.13 0673 JWSC W.O. 15.13 0864		

NOTE: BOTTOM HOLE AND PERFORATION POINTS
PLOTTED FROM PHOENIX TECHNOLOGY
SERVICES STANDARD MWD SURVEY REPORT
AUGUST 24, 2015

EXHIBIT A



Project: Eddy County, NM (NAD27 NME)
Site: Lee Federal
Well: #94D
Wellbore: OH
Design: Plan 2 08-24-15
Rig: Capstar 119



Azimuths to Grid North
True North: -0.24°
Magnetic North: 7.41°
Magnetic Field
Strength: 48572.4nT
Dip Angle: 60.78°
Date: 8/21/2015
Model: HDGM

WELL DETAILS									
				Ground Level:	3672.00				
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				
0.00	0.00	665004.10	633981.10	32° 49' 38.72314 N	103° 53' 49.80643 W				

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00		KOP, Begin 2°/100' Build
3	4108.60	10.17	161.84	4105.93	-42.79	14.03	2.00	161.84	45.03		Hold 10.17° Inc @ 161.84° Azm
4	6439.30	10.17	161.84	6400.00	-433.90	142.30	0.00	0.00	456.64	BHL_Lee Fed #94D	TD at 6439.30

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
BHL_Lee Fed #94D	6400.00	-433.90	142.30	664570.20	634123.40	32° 49' 34.42383 N	103° 53' 48.15980 W	Circle (Radius: 20.00)	
- plan hits target center									

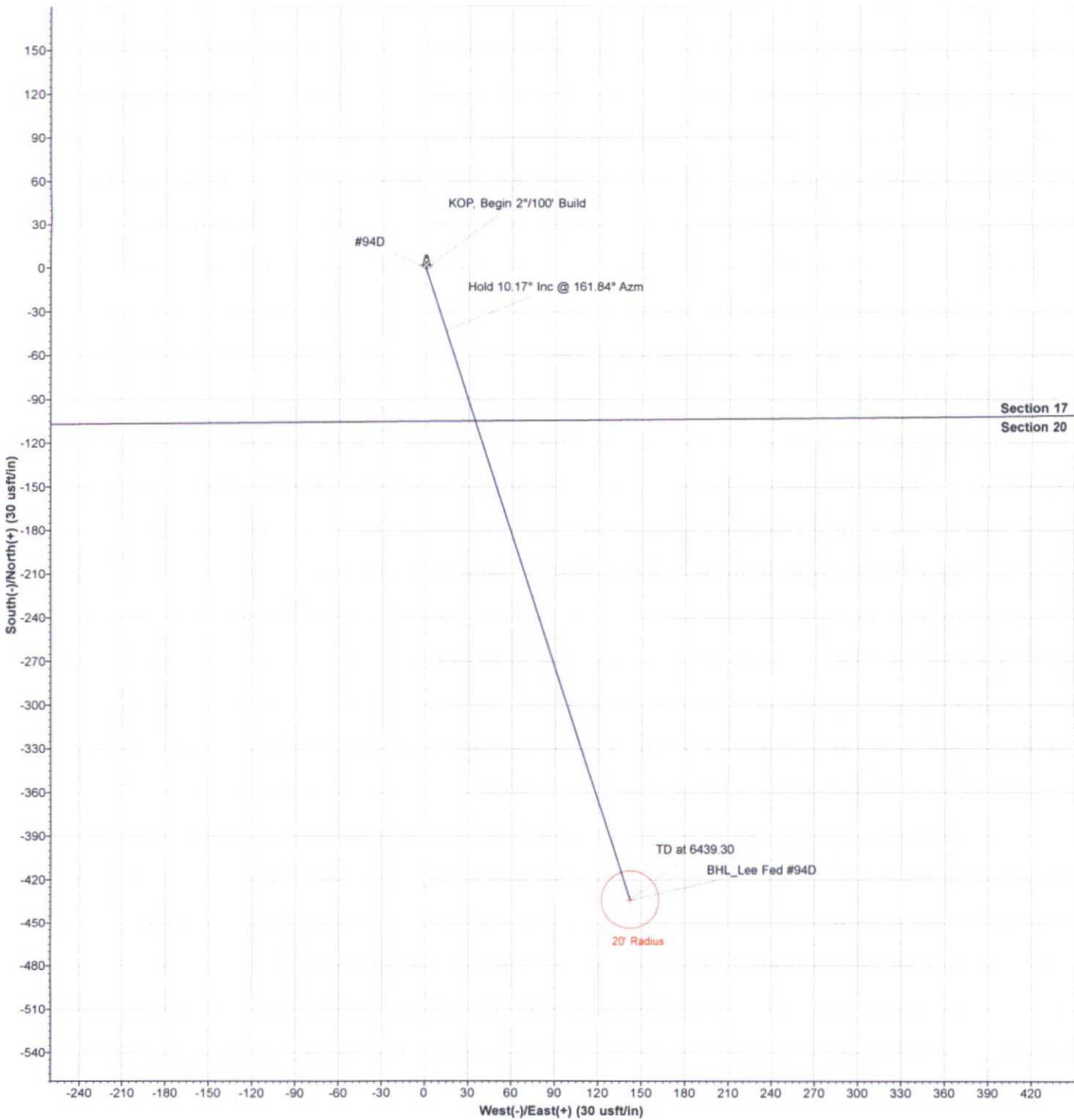
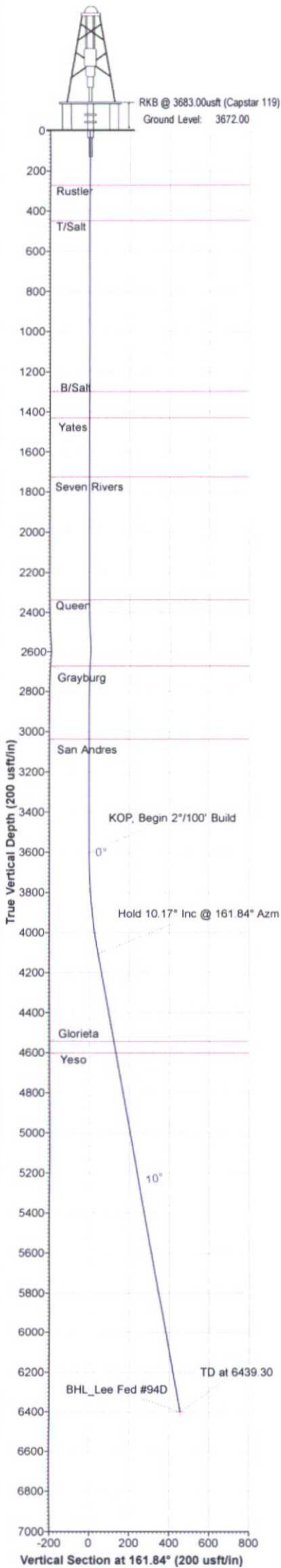
Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001
Local Origin: Well #94D, Grid North
Latitude: 32° 49' 38.72314 N
Longitude: 103° 53' 49.80643 W
Grid East: 633981.10
Grid North: 665004.10
Scale Factor: 1.000

Geomagnetic Model: HDGM
Sample Date: 21-Aug-15
Magnetic Declination: 7.65°
Dip Angle from Horizontal: 60.78°
Magnetic Field Strength: 48572

To convert a Magnetic Direction to a Grid Direction, Add 7.41°
To convert a Magnetic Direction to a True Direction, Add 7.65° East
To convert a True Direction to a Grid Direction, Subtract 0.24°

FORMATION TOP DETAILS				
TVDPath	MDPath	Formation	DipAngle	DipDir
271.00	271.00	Rustler	0.00	161.84
448.00	448.00	T/Salt	0.00	161.84
1300.00	1300.00	B/Salt	0.00	161.84
1430.00	1430.00	Yates	0.00	161.84
1725.00	1725.00	Seven Rivers	0.00	161.84
2335.00	2335.00	Queen	0.00	161.84
2672.00	2672.00	Grayburg	0.00	161.84
3035.00	3035.00	San Andres	0.00	161.84
4541.00	4550.62	Glorieta	0.00	161.84
4599.00	4609.54	Yeso	0.00	161.84

LEGEND
Plan 2 08-24-15



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #94D
Company:	Apache Corporation	TVD Reference:	RKB @ 3683.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	RKB @ 3683.00usft (Capstar 119)
Site:	Lee Federal	North Reference:	Grid
Well:	#94D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 08-24-15		

Project	Eddy County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Lee Federal			
Site Position:		Northing:	664,811.60 usft	Latitude: 32° 49' 36.77792 N
From:	Map	Easting:	634,967.00 usft	Longitude: 103° 53' 38.26184 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.24 °

Well	#94D			
Well Position	+N/-S	192.50 usft	Northing:	665,004.10 usft
	+E/-W	-985.90 usft	Easting:	633,981.10 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,672.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/21/2015	7.65	60.78	48,572

Design	Plan 2 08-24-15			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	161.84

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,108.60	10.17	161.84	4,105.93	-42.79	14.03	2.00	2.00	0.00	161.84	
6,439.30	10.17	161.84	6,400.00	-433.90	142.30	0.00	0.00	0.00	0.00	BHL_Lee Fed #94D

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #94D
Company:	Apache Corporation	TVD Reference:	RKB @ 3683.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	RKB @ 3683.00usft (Capstar 119)
Site:	Lee Federal	North Reference:	Grid
Well:	#94D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 08-24-15		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
271.00	0.00	0.00	271.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
448.00	0.00	0.00	448.00	0.00	0.00	0.00	0.00	0.00	0.00
T/Salt									
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
B/Salt									
1,430.00	0.00	0.00	1,430.00	0.00	0.00	0.00	0.00	0.00	0.00
Yates									
1,725.00	0.00	0.00	1,725.00	0.00	0.00	0.00	0.00	0.00	0.00
Seven Rivers									
2,335.00	0.00	0.00	2,335.00	0.00	0.00	0.00	0.00	0.00	0.00
Queen									
2,672.00	0.00	0.00	2,672.00	0.00	0.00	0.00	0.00	0.00	0.00
Grayburg									
3,035.00	0.00	0.00	3,035.00	0.00	0.00	0.00	0.00	0.00	0.00
San Andres									
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 2°/100' Build									
3,700.00	2.00	161.84	3,699.98	-1.66	0.54	1.75	2.00	2.00	0.00
3,800.00	4.00	161.84	3,799.84	-6.63	2.17	6.98	2.00	2.00	0.00
3,900.00	6.00	161.84	3,899.45	-14.91	4.89	15.69	2.00	2.00	0.00
4,000.00	8.00	161.84	3,998.70	-26.49	8.69	27.88	2.00	2.00	0.00
4,100.00	10.00	161.84	4,097.47	-41.36	13.56	43.52	2.00	2.00	0.00
4,108.60	10.17	161.84	4,105.93	-42.79	14.03	45.03	2.00	2.00	0.00
Hold 10.17° Inc @ 161.84° Azm									
4,200.00	10.17	161.84	4,195.90	-58.12	19.06	61.17	0.00	0.00	0.00
4,300.00	10.17	161.84	4,294.32	-74.91	24.57	78.83	0.00	0.00	0.00
4,400.00	10.17	161.84	4,392.75	-91.69	30.07	96.49	0.00	0.00	0.00
4,500.00	10.17	161.84	4,491.18	-108.47	35.57	114.15	0.00	0.00	0.00
4,550.62	10.17	161.84	4,541.00	-116.96	38.36	123.09	0.00	0.00	0.00
Glorieta									
4,600.00	10.17	161.84	4,589.61	-125.25	41.08	131.81	0.00	0.00	0.00
4,609.54	10.17	161.84	4,599.00	-126.85	41.60	133.50	0.00	0.00	0.00
Yeso									
4,700.00	10.17	161.84	4,688.04	-142.03	46.58	149.47	0.00	0.00	0.00
4,800.00	10.17	161.84	4,786.47	-158.81	52.08	167.13	0.00	0.00	0.00
4,900.00	10.17	161.84	4,884.89	-175.59	57.59	184.79	0.00	0.00	0.00
5,000.00	10.17	161.84	4,983.32	-192.37	63.09	202.45	0.00	0.00	0.00
5,100.00	10.17	161.84	5,081.75	-209.15	68.59	220.11	0.00	0.00	0.00
5,200.00	10.17	161.84	5,180.18	-225.93	74.10	237.77	0.00	0.00	0.00
5,300.00	10.17	161.84	5,278.61	-242.71	79.60	255.43	0.00	0.00	0.00
5,400.00	10.17	161.84	5,377.03	-259.50	85.10	273.09	0.00	0.00	0.00
5,500.00	10.17	161.84	5,475.46	-276.28	90.61	290.75	0.00	0.00	0.00
5,600.00	10.17	161.84	5,573.89	-293.06	96.11	308.41	0.00	0.00	0.00
5,700.00	10.17	161.84	5,672.32	-309.84	101.61	326.08	0.00	0.00	0.00
5,800.00	10.17	161.84	5,770.75	-326.62	107.12	343.74	0.00	0.00	0.00
5,900.00	10.17	161.84	5,869.18	-343.40	112.62	361.40	0.00	0.00	0.00
6,000.00	10.17	161.84	5,967.60	-360.18	118.12	379.06	0.00	0.00	0.00
6,100.00	10.17	161.84	6,066.03	-376.96	123.63	396.72	0.00	0.00	0.00
6,200.00	10.17	161.84	6,164.46	-393.74	129.13	414.38	0.00	0.00	0.00
6,300.00	10.17	161.84	6,262.89	-410.52	134.63	432.04	0.00	0.00	0.00

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #94D
Company:	Apache Corporation	TVD Reference:	RKB @ 3683.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	RKB @ 3683.00usft (Capstar 119)
Site:	Lee Federal	North Reference:	Grid
Well:	#94D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 08-24-15		

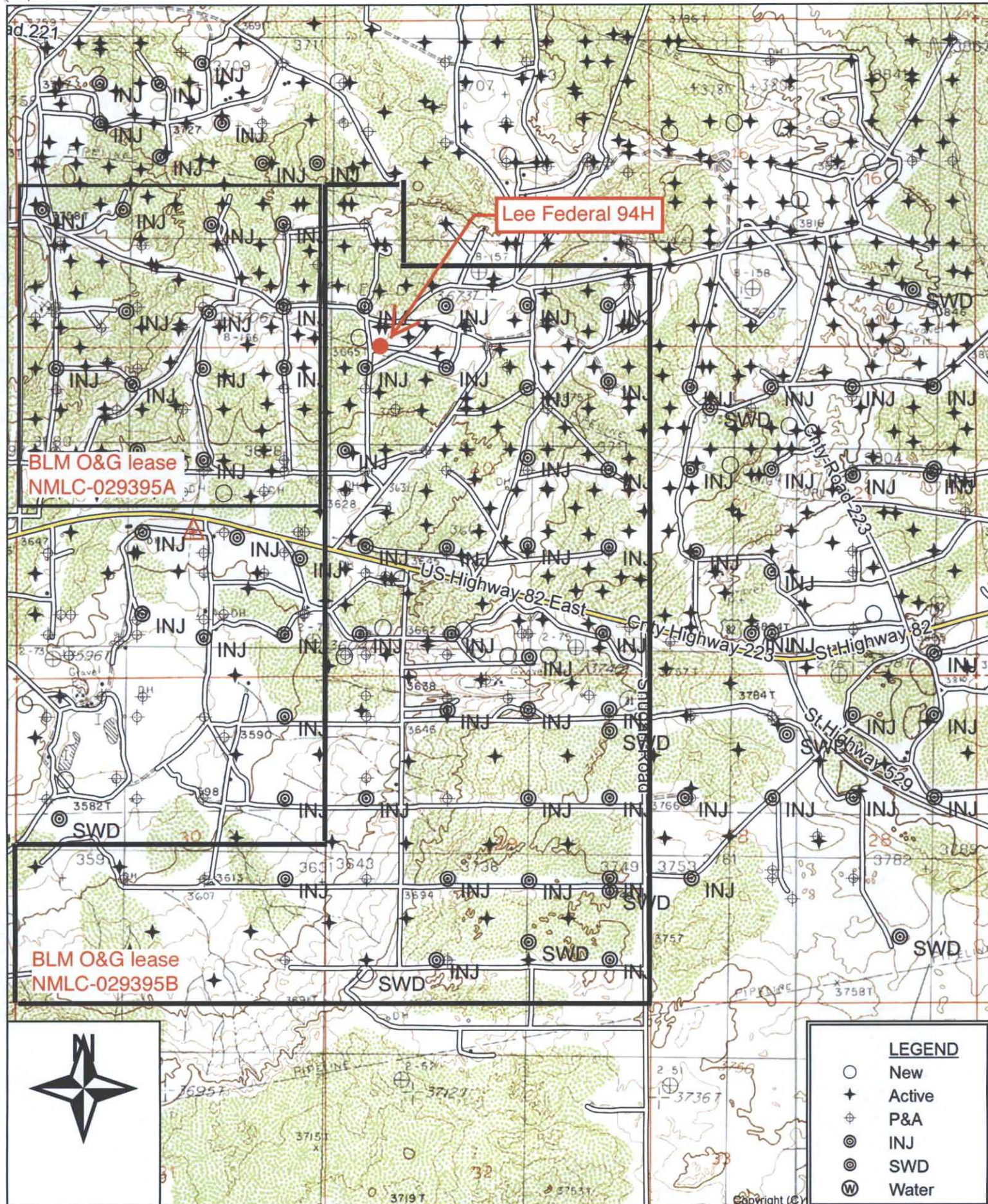
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,400.00	10.17	161.84	6,361.32	-427.30	140.14	449.70	0.00	0.00	0.00
6,439.30	10.17	161.84	6,400.00	-433.90	142.30	456.64	0.00	0.00	0.00
TD at 6439.30									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL_Lee Fed #94D	0.00	0.00	6,400.00	-433.90	142.30	664,570.20	634,123.40	32° 49' 34.42383 N	103° 53' 48.15980 W
- plan hits target center									
- Circle (radius 20.00)									

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
271.00	271.00	Rustler		0.00	161.84
448.00	448.00	T/Salt		0.00	161.84
1,300.00	1,300.00	B/Salt		0.00	161.84
1,430.00	1,430.00	Yates		0.00	161.84
1,725.00	1,725.00	Seven Rivers		0.00	161.84
2,335.00	2,335.00	Queen		0.00	161.84
2,672.00	2,672.00	Grayburg		0.00	161.84
3,035.00	3,035.00	San Andres		0.00	161.84
4,550.62	4,541.00	Glorieta		0.00	161.84
4,609.54	4,599.00	Yeso		0.00	161.84

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,600.00	3,600.00	0.00	0.00	KOP, Begin 2°/100' Build
4,108.60	4,105.93	-42.79	14.03	Hold 10.17° Inc @ 161.84° Azm
6,439.30	6,400.00	-433.90	142.30	TD at 6439.30

EXHIBIT B



Quad: LOCO HILLS
Scale: 1 inch = 2,000 ft.

EXHIBIT C