

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]

horizontal well

-NSL 7345

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

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

Apache Corporation's -873
 Lee Federal 53 H
 30-015-43197

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

*Pool
 - Cedar Lake
 Glorieta - yes
 9683)*

- [D] Other: Specify _____

[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 AUG 19 P 3:29
 RECEIVED OOD

[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		Consultant	8-19-15
Print or Type Name	Signature	Title	Date
		brian@permitswest.com	
		e-mail Address	

**REQUEST FOR ADMINISTRATIVE APPROVAL
NONSTANDARD LOCATION
APACHE CORPORATION'S
LEE FEDERAL 53
30-015-43197
SHL: 1550 FSL & 1180 FWL
BHL: 1640.8 FSL & 1620.7 FWL
PERFORATION INTERVAL:
FROM 1606.3 FSL & 1387.1 FWL TO 1639.8 FSL & 1601.5 FWL
SECTION 20, T. 17 S., R. 31 E., EDDY COUNTY, NM**

I. This 6266' deep 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 south, southwest, and west) for the Cedar Lake; Glorieta-Yeso Pool (96831) due to geology.

The entire perforated interval is outside the drilling window. Perforations range from 67.1' to 319.8' 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 60 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 is 67.1' to 319.8' from the boundary of unit letter K.

II. Form C-102 showing the well and 40-acre dedication is attached as Exhibit A. The perforated interval is anywhere from 43.7' too far south to 262.9' too far west. 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 south, southwest, and west. Cedar Lake; Glorieta-Yeso dedications exist in unit letter K of Section 20 and all 8 bordering or cornering quarter-quarters. Apache operates the Cedar Lake; Glorieta-Yeso wells in the 3 quarter-quarters toward which the well encroaches and all 8 bordering or cornering quarter-quarters. All

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) 746-1283 Fax: (575) 748-9720

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-43197	Pool Code 96831	Pool Name Cedar Lake; Glorieta-Yeso
Property Code 308720	Property Name LEE FEDERAL	
OGRID No. 873	Operator Name APACHE CORPORATION	
	Well Number 53	Elevation 3637'

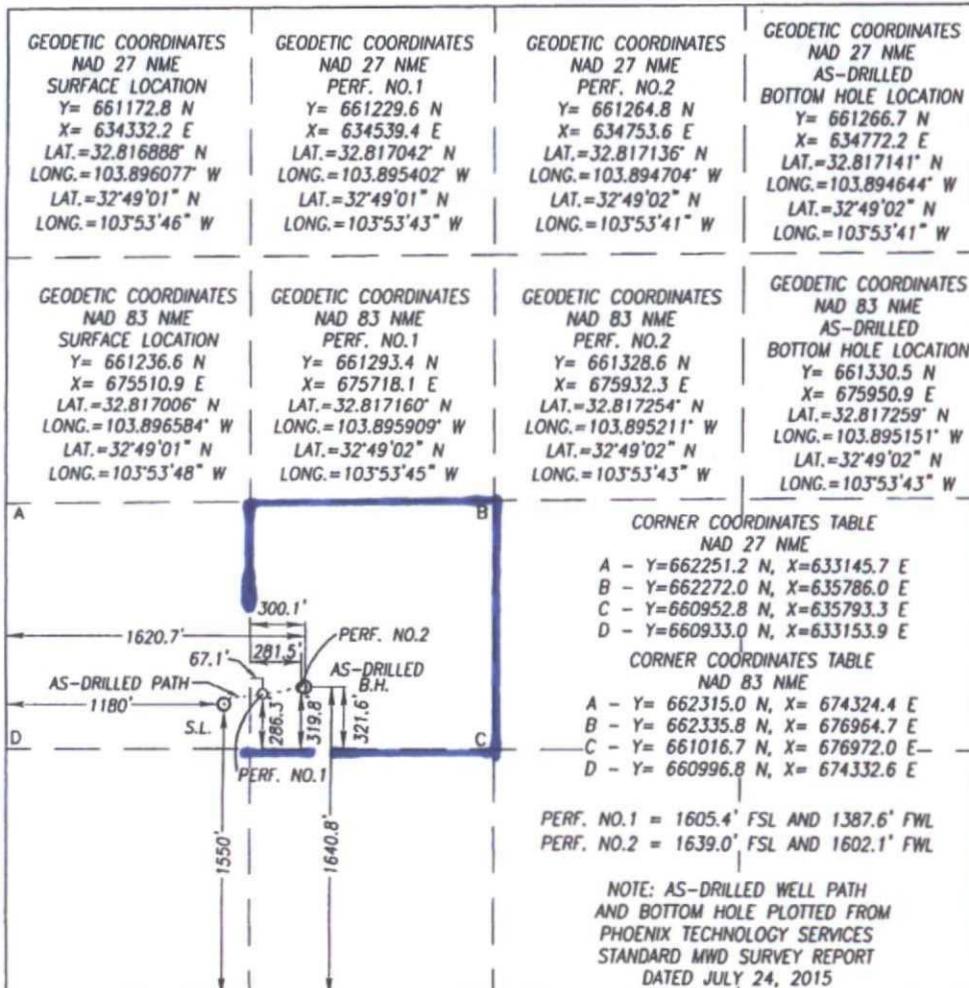
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	17-S	31-E		1550	SOUTH	1180	WEST	EDDY

As-Drilled 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
K	20	17-S	31-E		1640.8	SOUTH	1620.7	WEST	EDDY
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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



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.

Sorina Flores 8/18/15
Signature Date

Sorina L. Flores
Printed Name

sorina.flores@apachecorp.com
E-mail Address

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 27, 2011

Date of Survey
Signature & Seal of Professional Surveyor.

Ronald J. Eidson 08/18/2015
Certificate Number
Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL REV. 8/11/15 JWSC W.O.: 15.13.0784



Project: Eddy County, NM (NAD27 NME)
 Site: Lee Federal
 Well: #53
 Wellbore: OH / Job #1412338
 Design: Plan #3 07-19-15
 Rig: Capstar 114



Azimuths to Grid North
 True North: -0.24°
 Magnetic North: 7.43°
 Magnetic Field
 Strength: 48580.9snT
 Dip Angle: 60.77°
 Date: 7/20/2015
 Model: HDGM

WELL DETAILS						
+N/-S	+E/-W	Northing	Ground Level: Easting	3637.00	Latitude	Longitude
0.00	0.00	661172.80	634332.20		32° 49' 0.79753 N	103° 53' 45.87755 W

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target	Annotation
1	3468.00	0.65	1.39	3467.55	31.23	33.41	0.00	0.00	39.34		Tie-on to Phoenix Gyro Survey
2	3600.00	0.65	1.39	3599.54	32.72	33.44	0.00	0.00	39.70		KOP, 2°/100' Build
3	4084.33	9.78	81.15	4081.49	41.82	74.26	2.00	83.51	81.52		EOC, Hold 9.75° Inc, 81.15° Azm
4	6437.05	9.78	81.15	6400.00	103.30	469.20	0.00	0.00	480.44	BHL-Lee Fed #53	TD at 6443.62' MD

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
BHL-Lee Fed #53	6400.00	103.30	469.20	661276.10	634801.40	32° 49' 1.80046 N	103° 53' 40.37452 W	Circle (Radius: 20.00)	- plan hits target center

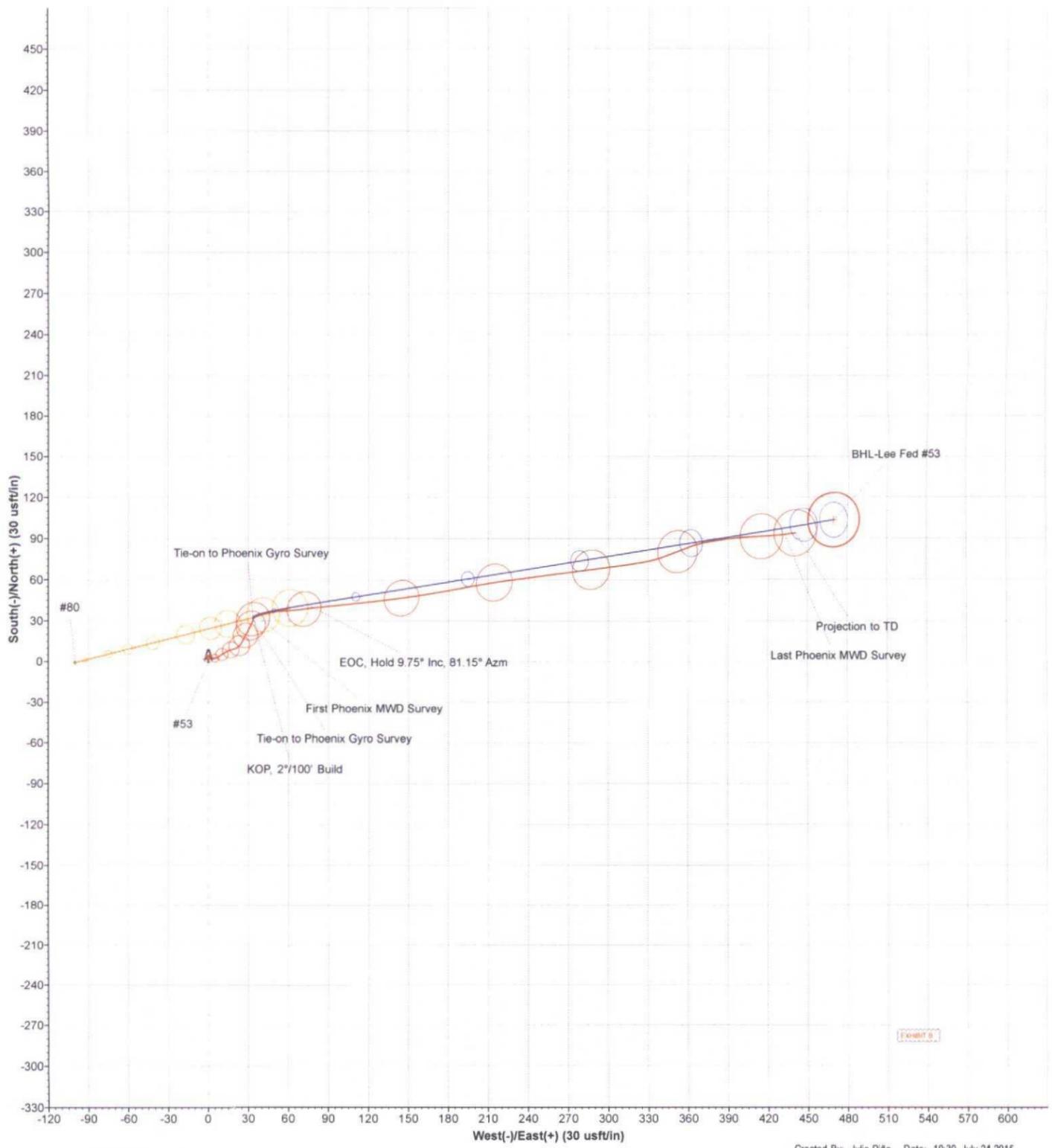
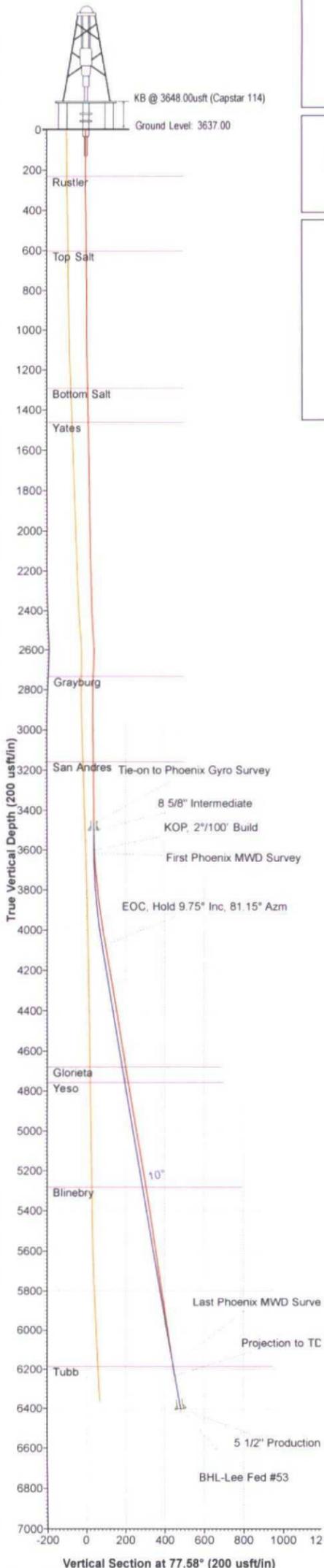
CASING DETAILS				
TVD	MD	Name	Size	
400.00		13 3/8" Surface	13-3/8	
3500.00	3500.45	8 5/8" Intermediate	8-5/8	
6400.00	6437.05	5 1/2" Production	5-1/2	

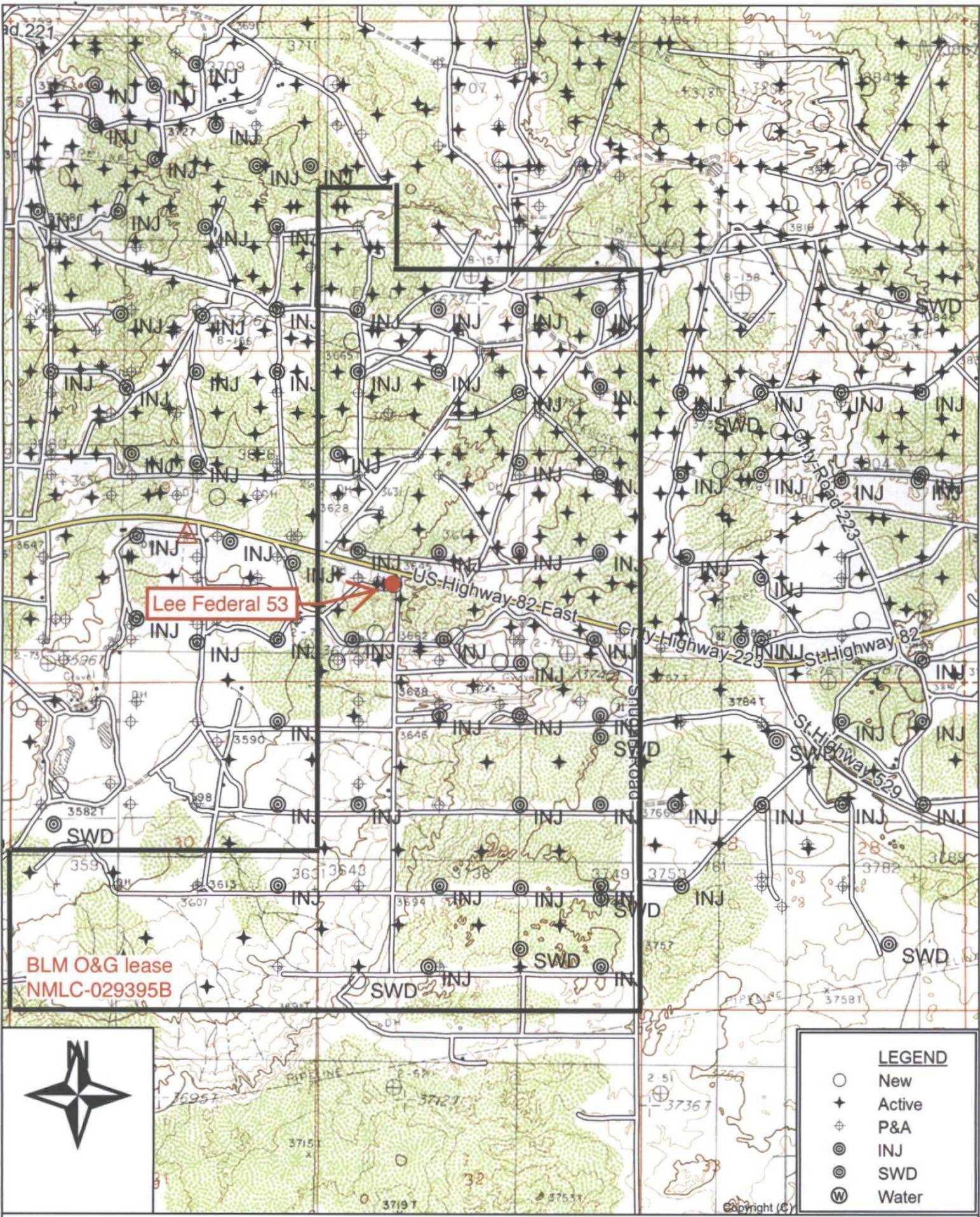
FORMATION TOP DETAILS				
TVDPath	MDPath	Formation	DipAngle	DipDir
4678.00	4689.65	Glorieta	0.00	
4756.00	4768.80	Yeso	0.00	
5280.00	5300.53	Blinebry	0.00	
6184.00	6217.86	Tubb	0.00	

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 #53, Grid North
 Latitude: 32° 49' 0.79753 N
 Longitude: 103° 53' 45.87755 W
 Grid East: 634332.20
 Grid North: 661172.80
 Scale Factor: 1.000
 Geomagnetic Model: HDGM
 Sample Date: 20-Jul-15
 Magnetic Declination: 7.67°
 Dip Angle from Horizontal: 60.77°
 Magnetic Field Strength: 48581
 To convert a Magnetic Direction to a Grid Direction, Add 7.43°
 To convert a Magnetic Direction to a True Direction, Add 7.67° East
 To convert a True Direction to a Grid Direction, Subtract 0.24°

LEGEND

- #80, OH, Surveys V0
- #53, OH / Job #1412338, Surveys (Capstar 114) V0
- Plan #3 07-19-15





Lee Federal 53

**BLM O&G lease
NMLC-029395B**



LEGEND	
○	New
★	Active
⊕	P&A
⊙	INJ
⊚	SWD
⊖	Water

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

EXHIBIT C

OCD Permitting

Home Land Searches Land Details

Section : 20-17S-31E

Type: Normal

Total Acres: 640

County: Eddy (15)

D (D) Federal ¹ Federal ² (15) 40	C (C) Federal ¹ Federal ² (15) 40	B (B) Federal ¹ Federal ² (15) 40	A (A) Federal ¹ Federal ² (15) 40
E (E) Federal ¹ Federal ² (15) 40	F (F) Federal ¹ Federal ² (15) 40	G (G) Federal ¹ Federal ² (15) 40	H (H) Federal ¹ Federal ² (15) 40
L (L) Federal ¹ Federal ² (15) 40	K (K) Federal ¹ Federal ² (15) 40	J (J) Federal ¹ Federal ² (15) 40	I (I) Federal ¹ Federal ² (15) 40
M (M) Federal ¹ Federal ² (15) 40	N (N) Federal ¹ Federal ² (15) 40	O (O) Federal ¹ Federal ² (15) 40	P (P) Federal ¹ Federal ² (15) 40

*Penetration Pt = 1606 FS L
1387 FW L
Final Perf! 1640 FS, L
1601 FW L*

Note¹ = Surface Owner Rights

Note² = Sub-Surface Mineral Rights

Land Restrictions

No land restrictions found for this section.

[Return to Search](#)

Submit 1 Copy To Appropriate District Office:
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS. (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-43197
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Apache Corporation		6. State Oil & Gas Lease No. NMLC-029395B
3. Address of Operator 303 Airpark Lane, Suite 1000, Midland TX 79705		7. Lease Name or Unit Agreement Name Lee Federal
4. Well Location Unit Letter: L 1550 feet from the South line and 1180 feet from the West line (SHL). Section 20 Township 17 S Range 31 E NMPM Eddy County		8. Well Number 53H*
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3637 GR		9. OGRID Number 873
		10. Pool name or Wildcat Cedar Lake; Glorieta-Yeso

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details; and give pertinent dates, including estimated date of starting any proposed work); SEE RULE 19:15:7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Well was not drilled as far as originally planned.
 Attached C-102 and well bore diagrams show final result.

*Due to well bore configuration, well is now considered a horizontal well under NMOCD rules.
 Well name has changed accordingly from Lee Federal 53 to Lee Federal 53H.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Brian Wood TITLE: Consultant DATE: August 20, 2015
 Type or print name: Brian Wood E-mail address: brian@permitswest.com PHONE: (505) 466-8120
 For State Use Only

APPROVED BY: _____ TITLE: _____ DATE: _____
 Conditions of Approval (if any): _____