

DATE IN 1/11/2016	SUSPENSE	ENGINEER LCL	LOGGED IN 1/11/2016	NSL TYPE	APP NO. pudm1601135518
----------------------	----------	-----------------	------------------------	-------------	---------------------------

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

Apache Corporation's - 873
Tony Federal 53
30-015-43564

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 _____

- P04
- Cedar Lake
Gloria etc - yes
96831

[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

2016 JAN 11 A 9:46
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

1-11-16

Date



PROVIDING PERMITS for LAND USERS

37 Verano Loop, Santa Fe, New Mexico 87508

(505) 466-8120

REQUEST FOR ADMINISTRATIVE APPROVAL
NONSTANDARD LOCATION
APACHE CORPORATION'S
TONY FEDERAL 53
30-015-43564

SFL

SHL: 286 FSL & 1433 FWL 18-17s-31e, Eddy County, NM

BHL: 330 FSL & 1650 FWL 18-17s-31e, Eddy County, NM

Bcl

TAKE POINTS:

FROM 301.4 FSL & 1508.7 FWL 18-17s-31e, Eddy County, NM
TO 330 FSL & 1650 FWL 18-17s-31e, Eddy County, NM

I. This proposed directional oil well (TVD = 6400' & MD = 6409') is on BLM surface and 609.43 acre BLM lease NMLC-029395A. The lease comprises the south half of Section 18 and the north half of Section 19.

A portion of the well bore will be nonstandard (too far south) for the Cedar Lake; Glorieta-Yeso Pool (96831) due to the desire to optimize reservoir drainage and balance environmental concerns (pad overlaps a P&A pad within sand dune lizard habitat) with well bore collision concerns (6 other wells have been or will be drilled in unit letter N).

The well bore is all within N-18-17s-31e. Section 18 is more narrow than standard in the east-west direction. The south line of Section 18 is 5027.88' in length. (Section 18 is standard in the north-south direction.)

The first take point is 301.4' from the dedicated acreage boundary (40 acres), instead of the standard $\geq 330'$. This is the most nonstandard of the take points. The remaining take points are nonstandard except for the last take point (= BHL = 330 FSL & 1650 FWL). The take points are nonstandard toward the interior of the lease. Producing this well from the proposed 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 $\leq 28.6'$ outside the drilling window boundary of unit letter N.

II. Form C-102 showing the well bore and 40-acre dedication is attached as Exhibit A. Exhibit B is the survey report and provides more details.

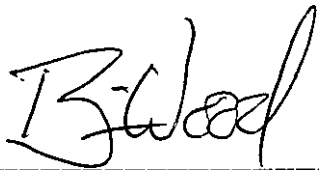
III. Lease boundaries are shown on Exhibit C. The well encroaches to the south, southwest, and west. These encroachments are nonstandard toward the interior of the lease. Cedar Lake; Glorieta-Yeso dedications exist in all eight bordering or cornering dedications, all of which are operated by Apache. Apache operates all Cedar Lake; Glorieta-Yeso wells in the dedications toward which the well encroaches. Working interest ownership and operating rights are common in all of Apache's dedications. This information is current and correct.

IV. Archaeology is not an issue.

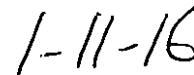
V. Geology and the need to prevent waste and recover additional reserves are the catalyst for this nonstandard location.

VI. Apache does not believe drilling to a standard location is cost effective for this well.

VII. Most of the producing interval will be nonstandard 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 (SESW 18-17s-31e) and the adjacent dedications (Lot 4 of Section 18 and Lot 1 and NENW Section 19) 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



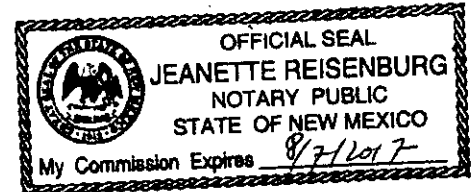
Date

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

The foregoing instrument was acknowledged before me this 11th day of January, 2016 by Brian Wood. Witness my hand and official seal.



Notary Public
My Commission Expires: 8/7/2017
Business Address: 37 Verano Loop, Santa Fe NM. 87508



cc: Flores

DISTRICT I
1625 N. French Dr., Hobbs, NM 88249
Phone (575) 393-6161 Fax (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-0720

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
(proposed take
points added)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-43564	Pool Code 96831	Pool Name Cedar Lake; Glorieta-Yeso
Property Code 308738	Property Name TONY FEDERAL	Well Number 53D
GRID No. 873	Operator Name APACHE CORPORATION	Elevation 3745'

Surface Location

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	18	17-S	31-E		286	SOUTH	1433	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
N	18	17-S	31-E		330	SOUTH	1650	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=666188.6 N, X=629164.2 E B - Y=666197.0 N, X=630484.2 E C - Y=664876.4 N, X=630492.1 E D - Y=664868.3 N, X=629172.2 E		CORNER COORDINATES TABLE NAD 83 NME A - Y=666252.5 N, X=670343.0 E B - Y=666260.8 N, X=671662.9 E C - Y=664940.2 N, X=671670.8 E D - Y=664932.1 N, X=670350.9 E	
GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 665220.3 N X= 670714.8 E LAT.=32.828009" N LONG.=103.912144" W LAT.=32°49'41" N LONG.=103°54'43" W	GEODETIC COORDINATES NAD 83 NME FIRST TAKE POINT Y= 665236.1 N X= 670790.5 E LAT.=32.828051" N LONG.=103.911897" W LAT.=32°49'41" N LONG.=103°54'43" W	GEODETIC COORDINATES NAD 83 NME BOTTOM HOLE LOCATION Y= 665265.6 N X= 670931.6 E LAT.=32.828131" N LONG.=103.911437" W LAT.=32°49'41" N LONG.=103°54'41" W	
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 665156.5 N X= 629536.1 E LAT.=32.827891" N LONG.=103.911637" W LAT.=32°49'40" N LONG.=103°54'42" W	GEODETIC COORDINATES NAD 27 NME FIRST TAKE POINT Y= 665172.3 N X= 629611.7 E LAT.=32.827934" N LONG.=103.911390" W LAT.=32°49'41" N LONG.=103°54'41" W	GEODETIC COORDINATES NAD 27 NME BOTTOM HOLE LOCATION Y= 665201.8 N X= 629752.9 E LAT.=32.828014" N LONG.=103.910930" W LAT.=32°49'41" N LONG.=103°54'39" W	

GRID AZ.=78°12'04"
HORIZ. DIST.=221.5'

NOTE: BOTTOM HOLE & TAKE POINT
PLOTTED FROM PHOENIX TECHNOLOGIES
SERVICE STANDARD SURVEY REPORT
MARCH 19, 2015

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.

Brian Wood 1-10-16
Signature Date
Brian Wood

Printed Name
brian@permitswest.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.

JUNE 10, 2014

Date of Survey
Signature & Seal of Professional Surveyor.

Ronald J. Eidson 12/16/2015
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL REL W/O 14110597 JWSO W/O 15131108



Project: Eddy County, NM (NAD27 NME)
Site: Tony Federal
Well: #53D
Wellbore: OH
Design: Plan #1 03-19-15
Rig: Capstar 119



Azimuths to Grid North
True North: -0.23°
Magnetic North: 7.40°

Magnetic Field
Strength: 48527.8snT
Dip Angle: 60.77°
Date: 12/10/2015
Model: HDGM

WELL DETAILS										
	+N/-S	+E/-W	Northing	Ground Level	Easting	Latitude	Longitude			
	0.00	0.00	665156.50	3745.00	629536.10	32° 49' 40.40967 N	103° 54' 41.89131 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, Start 2°/100' Build
3	3836.05	4.72	78.20	3835.78	1.99	9.51	2.00	78.20	9.72		EOC, Begin 4.72° Inc Hold
4	6409.00	4.72	78.20	6400.00	45.30	216.80	0.00	0.00	221.48	PBHL-Tony Fed #53D	TD at 6409.00' MD

DESIGN TARGET DETAILS										
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape		
PBHL-Tony Fed #53D	6400.00	45.30	216.80	665201.80	629752.90	32° 49' 40.84935 N	103° 54' 39.34845 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 #53D, Grid North

Latitude: 32° 49' 40.40967 N
Longitude: 103° 54' 41.89131 W

Grid East: 629536.10
Grid North: 665156.50
Scale Factor: 1.000

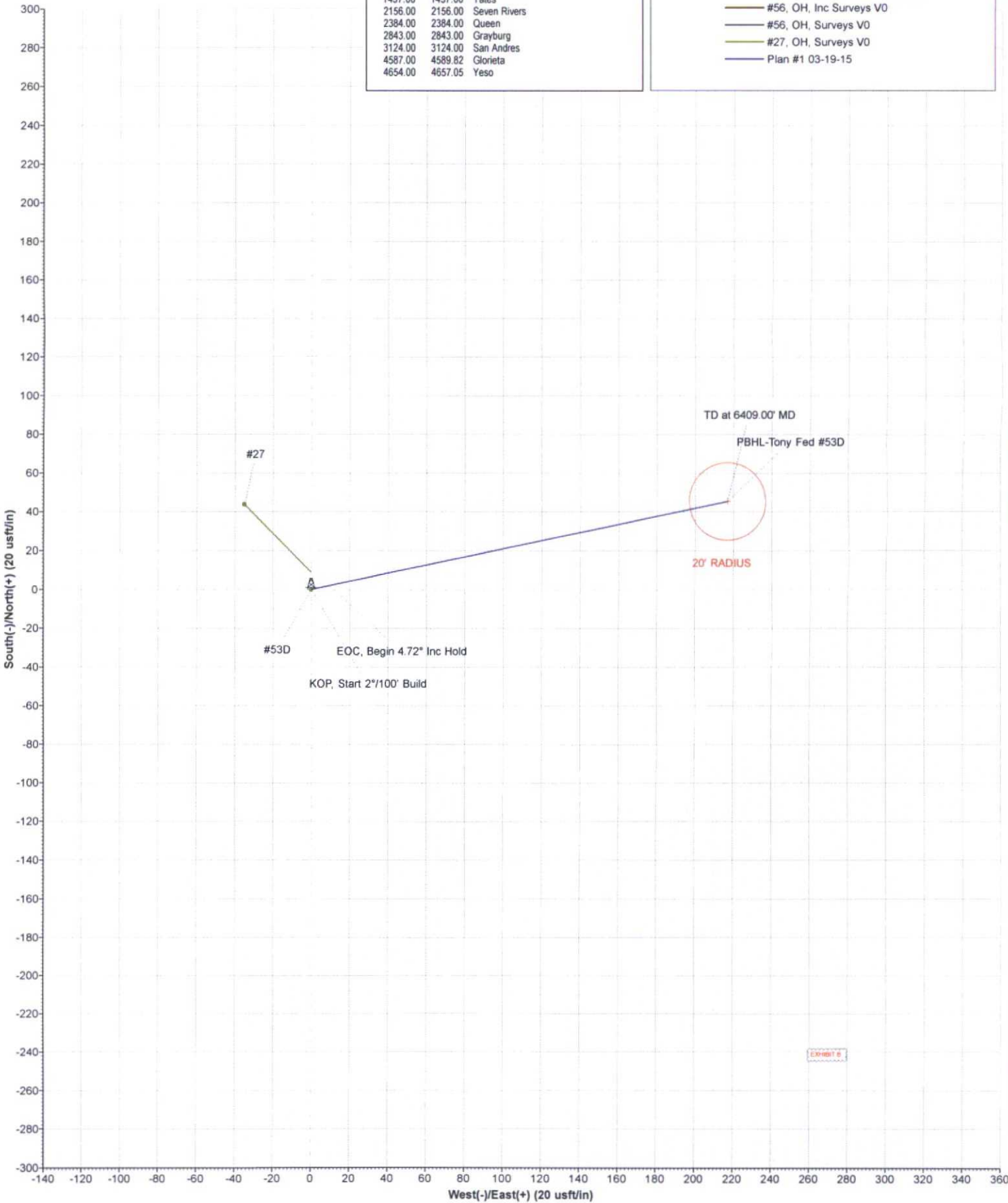
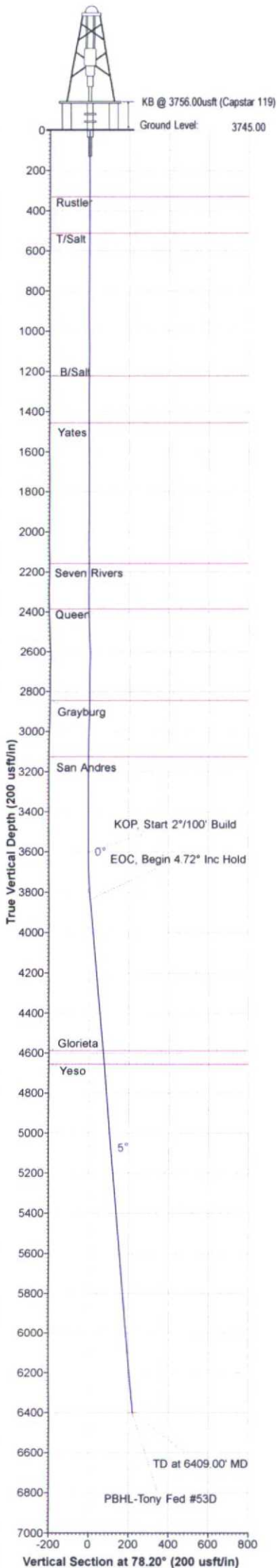
Geomagnetic Model: HDGM
Sample Date: 10-Dec-15
Magnetic Declination: 7.63°
Dip Angle from Horizontal: 60.77°
Magnetic Field Strength: 48528

To convert a Magnetic Direction to a Grid Direction, Add 7.40°
To convert a Magnetic Direction to a True Direction, Add 7.63° East
To convert a True Direction to a Grid Direction, Subtract 0.23°

FORMATION TOP DETAILS				
TVDPath	MDPath	Formation	DipAngle	DipDir
330.00	330.00	Rustler		
511.00	511.00	T/Salt		
1223.00	1223.00	B/Salt		
1457.00	1457.00	Yates		
2156.00	2156.00	Seven Rivers		
2384.00	2384.00	Queen		
2843.00	2843.00	Grayburg		
3124.00	3124.00	San Andres		
4587.00	4589.82	Glorieta		
4654.00	4657.05	Yeso		

LEGEND

- #50D, OH, Plan #1 03-19-15 V0
- #56, OH, Inc Surveys V0
- #56, OH, Surveys V0
- #27, OH, Surveys V0
- Plan #1 03-19-15



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #53D
Company:	Apache Corporation	TVD Reference:	KB @ 3756.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3756.00usft (Capstar 119)
Site:	Tony Federal	North Reference:	Grid
Well:	#53D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 03-19-15		

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	Tony Federal				
Site Position:		Northing:	666,516.20 usft	Latitude:	32° 49' 53.88921 N
From:	Map	Easting:	628,898.80 usft	Longitude:	103° 54' 49.29676 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.23 °

Well	#53D					
Well Position	+N/-S	-1,359.70 usft	Northing:	665,156.50 usft	Latitude:	32° 49' 40.40967 N
	+E/-W	637.30 usft	Easting:	629,536.10 usft	Longitude:	103° 54' 41.89131 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,745.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/10/2015	7.63	60.77	48,528

Design	Plan #1 03-19-15			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	78.20

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	
3,836.05	4.72	78.20	3,835.78	1.99	9.51	2.00	2.00	33.13	78.20	
6,409.00	4.72	78.20	6,400.00	45.30	216.80	0.00	0.00	0.00	0.00	PBHL-Tony Fed #5

EXHIBIT B

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #53D
Company:	Apache Corporation	TVD Reference:	KB @ 3756.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3756.00usft (Capstar 119)
Site:	Tony Federal	North Reference:	Grid
Well:	#53D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 03-19-15		

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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	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
KOP, Start 2°/100' Build									
3,700.00	2.00	78.20	3,699.98	0.36	1.71	1.75	2.00	2.00	0.00
3,800.00	4.00	78.20	3,799.84	1.43	6.83	6.98	2.00	2.00	0.00
3,836.05	4.72	78.20	3,835.78	1.99	9.51	9.72	2.00	2.00	0.00
EOC, Begin 4.72° Inc Hold									
3,900.00	4.72	78.20	3,899.52	3.06	14.67	14.98	0.00	0.00	0.00
4,000.00	4.72	78.20	3,999.18	4.75	22.72	23.21	0.00	0.00	0.00
4,100.00	4.72	78.20	4,098.84	6.43	30.78	31.44	0.00	0.00	0.00
4,200.00	4.72	78.20	4,198.50	8.11	38.84	39.67	0.00	0.00	0.00
4,300.00	4.72	78.20	4,298.16	9.80	46.89	47.90	0.00	0.00	0.00
4,400.00	4.72	78.20	4,397.82	11.48	54.95	56.13	0.00	0.00	0.00
4,500.00	4.72	78.20	4,497.48	13.16	63.00	64.36	0.00	0.00	0.00
4,600.00	4.72	78.20	4,597.14	14.85	71.06	72.60	0.00	0.00	0.00
4,700.00	4.72	78.20	4,696.80	16.53	79.12	80.83	0.00	0.00	0.00
4,800.00	4.72	78.20	4,796.46	18.21	87.17	89.06	0.00	0.00	0.00
4,900.00	4.72	78.20	4,896.12	19.90	95.23	97.29	0.00	0.00	0.00
5,000.00	4.72	78.20	4,995.78	21.58	103.29	105.52	0.00	0.00	0.00

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #53D
Company:	Apache Corporation	TVD Reference:	KB @ 3756.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3756.00usft (Capstar 119)
Site:	Tony Federal	North Reference:	Grid
Well:	#53D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 03-19-15		

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)	
5,100.00	4.72	78.20	5,095.44	23.26	111.34	113.75	0.00	0.00	0.00	
5,200.00	4.72	78.20	5,195.11	24.95	119.40	121.98	0.00	0.00	0.00	
5,300.00	4.72	78.20	5,294.77	26.63	127.46	130.21	0.00	0.00	0.00	
5,400.00	4.72	78.20	5,394.43	28.31	135.51	138.44	0.00	0.00	0.00	
5,500.00	4.72	78.20	5,494.09	30.00	143.57	146.67	0.00	0.00	0.00	
5,600.00	4.72	78.20	5,593.75	31.68	151.62	154.90	0.00	0.00	0.00	
5,700.00	4.72	78.20	5,693.41	33.37	159.68	163.13	0.00	0.00	0.00	
5,800.00	4.72	78.20	5,793.07	35.05	167.74	171.36	0.00	0.00	0.00	
5,900.00	4.72	78.20	5,892.73	36.73	175.79	179.59	0.00	0.00	0.00	
6,000.00	4.72	78.20	5,992.39	38.42	183.85	187.82	0.00	0.00	0.00	
6,100.00	4.72	78.20	6,092.05	40.10	191.91	196.05	0.00	0.00	0.00	
6,200.00	4.72	78.20	6,191.71	41.78	199.96	204.28	0.00	0.00	0.00	
6,300.00	4.72	78.20	6,291.37	43.47	208.02	212.51	0.00	0.00	0.00	
6,400.00	4.72	78.20	6,391.03	45.15	216.08	220.74	0.00	0.00	0.00	
6,409.00	4.72	78.20	6,400.00	45.30	216.80	221.48	0.00	0.00	0.00	
TD at 6409.00' MD										

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									
PBHL-Tony Fed #53C	0.00	0.00	6,400.00	45.30	216.80	665,201.80	629,752.90	32° 49' 40.84935 N	03° 54' 39.34845 W
- plan hits target center									
- Circle (radius 20.00)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
330.00	324.38	Rustler				
511.00	505.38	T/Salt				
1,223.00	1,217.38	B/Salt				
1,457.00	1,451.38	Yates				
2,156.00	2,150.38	Seven Rivers				
2,384.00	2,378.38	Queen				
2,843.00	2,837.38	Grayburg				
3,124.00	3,118.38	San Andres				
4,589.82	4,581.38	Glorieta				
4,657.05	4,648.38	Yeso				

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, Start 2°/100' Build
3,836.05	3,835.78	1.99	9.51	EOC, Begin 4.72° Inc Hold
6,409.00	6,400.00	45.30	216.80	TD at 6409.00' MD

EXHIBIT B



Tony Federal 53

BLM O&G lease
NMLC-029395A

LEGEND

- New
- + Active
- ⊕ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ W Water

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

EXHIBIT C

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Wednesday, February 03, 2016 10:55 AM
To: brian@permitswest.com
Cc: Jones, William V, EMNRD; McMillan, Michael, EMNRD; Goetze, Phillip, EMNRD; Dade, Randy, EMNRD; Sharp, Karen, EMNRD; 'scaffey@blm.gov'; 'rjsanche@blm.gov'; 'jstovall@blm.gov'
Subject: NSL - 7376, Apache Corporation, Tony Federal # 53D Unit N 18 17S 31E

The OCD has approved the following Non Standard Location (NSL) applications submitted on behalf of Apache Corporation (OGRD # 873).

NSL – 7376, Tony Federal # 53D
API # 30-015-43564

The Order will be located on the OCD's online IMAGING system for viewing
<http://ocdimage.emnrd.state.nm.us/imaging/default.aspx> as soon as they are scanned.

Leonard Lowe

Engineering Bureau
Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St. Frances
Santa Fe, New Mexico 87004
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>