Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

1. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NMLC-029395B
	6. If Indian, Allottee or Tribe Name: N/A
	7. If Unit of CA/Agreement, Name and/or No.: N/A
	8. Well Name and No.: LEE FEDERAL 53H*
2. Name of Operator: APACHE CORPORATION	9. API Well No.: 30-015-43197
3a. Address: 303 VETERANS AIRPARK LANE, SUITE 1000 MIDLAND TX 79705 / 3b. Phone No. *(include area code)*: (432) 818-1167	10. Field and Pool or Exploratory Area: CEDAR LAKE; GLORIETA-YESO
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*: SHL: 1550' FSL & 1180' FWL & BHL: 1640.8 FSL & 1620.7 FWL; all 20-17S-31E NMPM	11. Country or Parish, State: EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

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

*Due to final 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.

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 21 2015
RECEIVED

Accepted for record
UED NMOCD 9/2/15

cc: BLM, Flores, OCD-Artesia, OCD-Santa Fe

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*: BRIAN WOOD (505 466-8120)	Title: CONSULTANT
Signature: B. Wood	Date: 08/20/2015

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by	Title
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office

Pending BLM approvals will subsequently be reviewed and scanned

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingl[illegible] any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. [illegible]partment or agency of the United States

(Instructions on page 2)

30-015-43197

Apache
EXPLORING WHAT'S POSSIBLE

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

PHOENIX TECHNOLOGY SERVICES

T G M

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

Ground Level: 3637.00

+N/-S	+E/-W	Northing	Easting	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 - plan hits target center	103.30	469.20	661276.10	634801.40	32° 49' 1.80046 N	103° 53' 40.37452 W	Circle (Radius: 20.00)

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°

CASING DETAILS

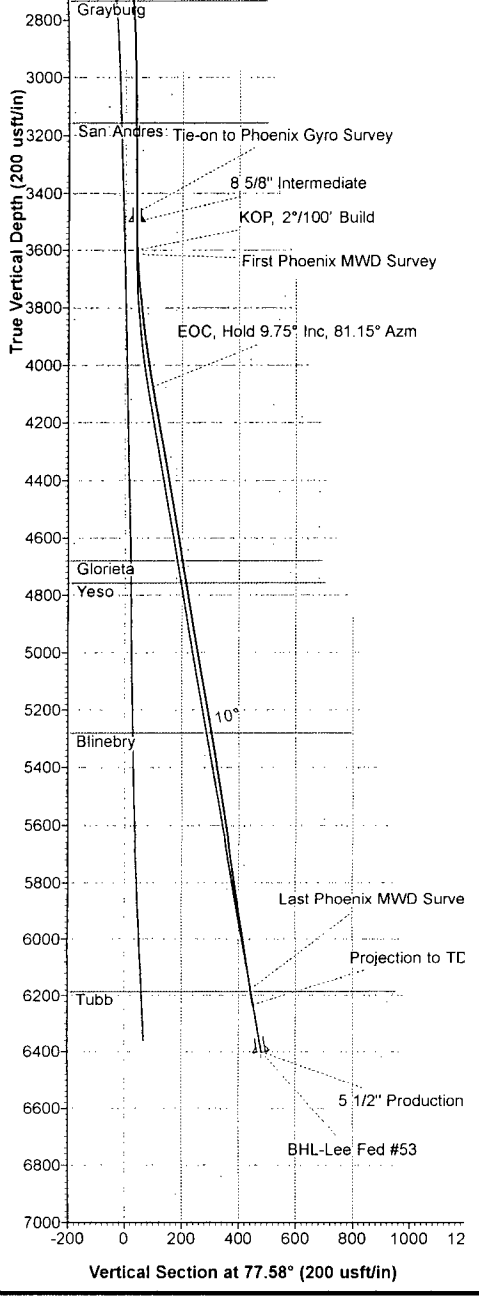
TVD	MD	Name	Size
400.00		13 3/8" Surface	13-3/8
3500.00	3500.45	8 5/8" Intermediate	8-5/8
6400.00	6437.05	5 1/2" Production	5-1/2

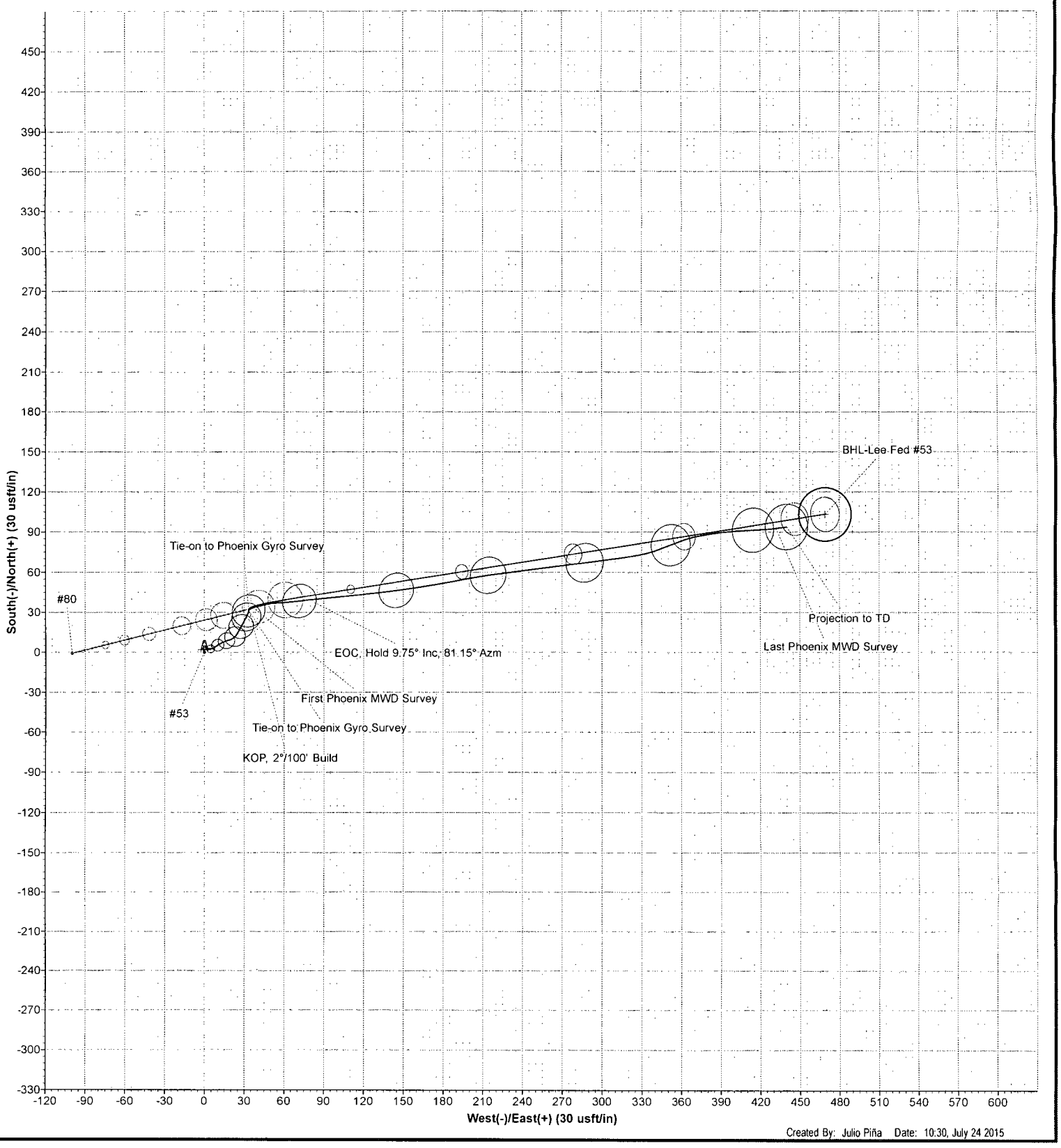
FORMATION TOP DETAILS

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	

LEGEND

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





Created By: Julio Piña Date: 10:30, July 24 2015