

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.*5. Lease Serial No.
NMLC029435B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
NFE FEDERAL 40H2. Name of Operator
APACHE CORPORATIONContact: SORINA FLORES
E-Mail: sorina.flores@apachecorp.com9. API Well No.
30-015-42900-00-X13a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-116710. Field and Pool, or Exploratory
CEDAR LAKE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 6 T17S R31E NESE 2000FSL 200FEL
32.861654 N Lat, 103.900653 W Lon11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK 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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original APD
	☐ 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 recompleat 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 performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BLM-CO-1463 NATIONWIDE / NMB000736

APACHE CORP REQUEST TO CHANGE TVD & MD FOR THE NFE FEDERAL #40H
FROM: TVD: 4670' MD: 9083'
TO: TVD: 4836' MD: 9136' Landing point: 4876'

NEW DIRECTIONAL PLAN ATTACHED. NO OTHER CHANGE FROM ORIGINAL DRILLING PLAN.

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 06 2015

RECEIVED

NO DOWN 2/6/15
proper for record

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #290045 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER MASON on 01/30/2015 (15JAM0209SE)

Name (Printed/Typed) SORINA FLORES

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 01/30/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE 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

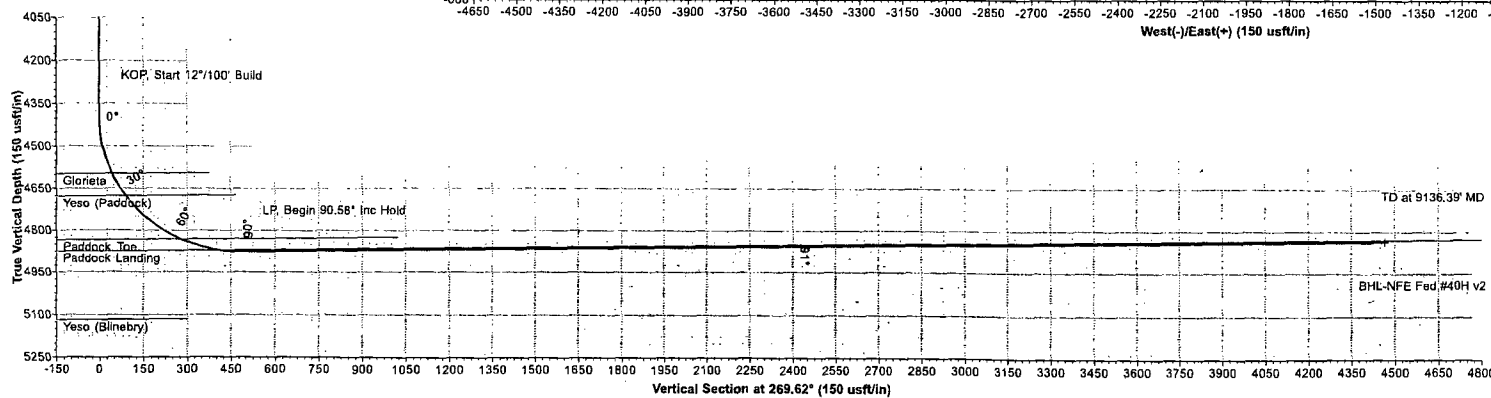
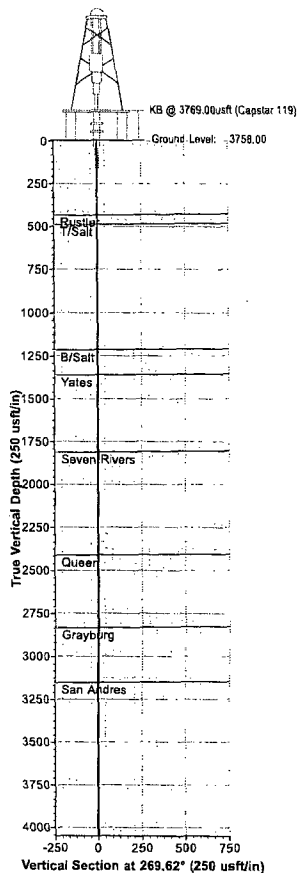
APPROVED

FEB 3 2015

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



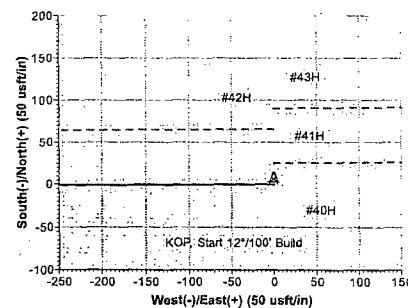
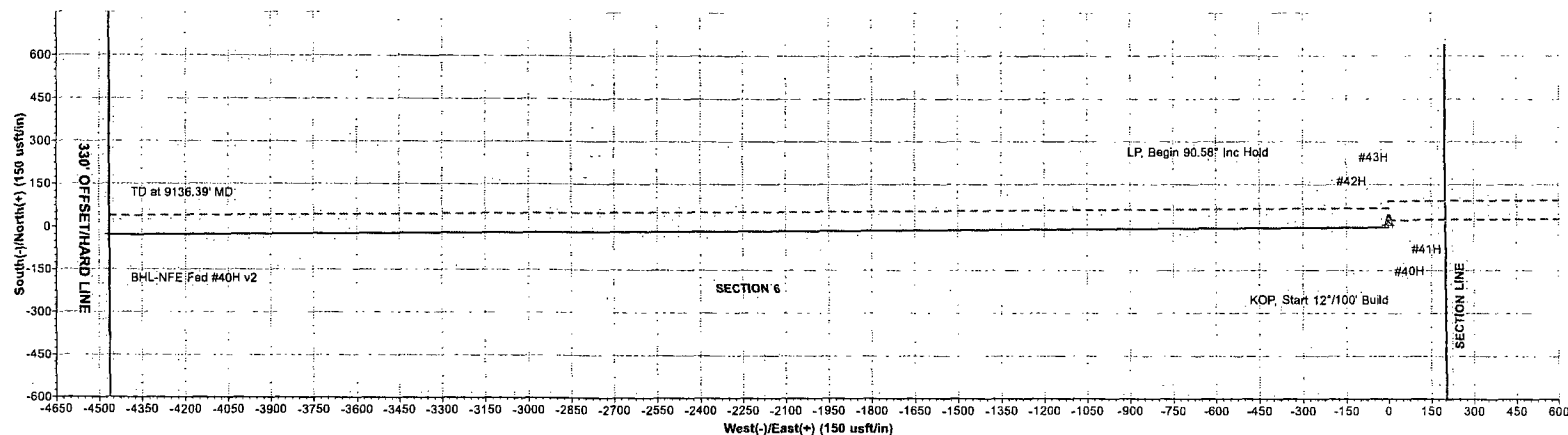
WELL DETAILS									
+N-S		+E-W		Northing	Ground Level:	3758.00	Latitude	Longitude	
0.00		0.00		677453.30	Easting	632859.70	32° 51' 41.95497 N	103° 54' 2.35081 W	

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSecl	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	4398.56	0.00	0.00	4398.56	0.00	0.00	0.00	0.00	0.00		KOP, Start 12°/100' Build
3	5153.36	90.58	269.62	4876.00	-3.21	-482.25	12.00	269.62	482.26		LP, Begin 90.58° Inc Hold
4	9136.39	90.58	269.62	4836.00	-29.70	-4465.00	0.00	0.00	4465.10	BHL-NFE Fed #40H v2	TD at 9136.39' MD

DESIGN TARGET DETAILS									
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape	
BHL-NFE Fed #40H v2	4836.00	-29.70	-4465.00	677423.60	628394.70	32° 51' 41.83908 N	103° 54' 54.69669 W	Point	
- plan hits target center									

FORMATION TOP DETAILS					
TVDPath	MDPath	Formation	DipAngle	DipDir	
436.00	436.00	Rustler	-0.58	269.62	
490.00	490.00	T/Salt	-0.58	269.62	
1218.00	1218.00	B/Salt	-0.58	269.62	
1364.00	1364.00	Yates	-0.58	269.62	
1814.00	1814.00	Seven Rivers	-0.58	269.62	
2414.00	2414.00	Queen	-0.58	269.62	
2835.00	2835.00	Grayburg	-0.58	269.62	
3154.00	3154.00	San Andres	-0.58	269.62	
4398.56	4604.32	Glorieta	-0.58	269.62	
4676.09	4697.17	Yeso (Paddock)	-0.58	269.62	
4833.17	4844.72	Paddock Toe	-0.58	269.62	
4871.81	5085.05	Paddock Landing	-0.58	269.62	

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 #40H, Grid North
Latitude: 32° 51' 41.95497 N
Longitude: 103° 54' 2.35081 W
Grid East: 632859.70
Grid North: 677453.30
Scale Factor: 1.000
Geomagnetic Model: BGGM2014
Sample Date: 28-Jan-15
Magnetic Declination: 7.52°
Dip Angle from Horizontal: 60.62°
Magnetic Field Strength: 48547
To convert a Magnetic Direction to a Grid Direction, Add 7.29°
To convert a Magnetic Direction to a True Direction, Add 7.52° East
To convert a True Direction to a Grid Direction, Subtract 0.23°





EXPLORING WHAT'S POSSIBLE

Apache Corporation

Eddy County, NM (NAD27 NME)

NFE Federal

#40H

WB1

Plan: Plan #2 01-27-15

Standard Planning Report

28 January, 2015



PHOENIX
TECHNOLOGY SERVICES

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #40H
Company:	Apache Corporation	TVD Reference:	KB @ 3769.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3769.00usft (Capstar 119)
Site:	NFE Federal	North Reference:	Grid
Well:	#40H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #201-27-15		

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:	NFE Federal		
Site Position:	Map	Northings:	673,264.70 usft
From:		Easting:	633,303.50 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 51' 0.49036 N
		Longitude:	103° 53' 57.34966 W
		Grid Convergence:	0.24 °

Well:	#40H		
Well Position	+N/-S	4,188.60 usft	Northings:
	+E/-W	-443.80 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level:
			3,758.00 usft

Wellbore:	WB1		
Magnetics	Model Name	Sample Date	Declination
	BGGM2014	1/28/2015	7.52
			Dip Angle
			60.62
			Field Strength
			48,547

Design:	Plan #201-27-15		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			269.62

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,398.56	0.00	0.00	4,398.56	0.00	0.00	0.00	0.00	0.00	0.00	
5,153.36	90.58	269.62	4,876.00	-3.21	-482.25	12.00	12.00	-11.97	269.62	
9,136.40	90.58	269.62	4,836.00	-29.70	-4,465.00	0.00	0.00	0.00	0.00	BHL-NFE Fed #40H v

Database:	Compass 5000.GCR	Local Co-ordinate Reference:	Well #40H
Company:	Apache Corporation	TVD Reference:	KB @ 3769'00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3769'00usft (Capstar 119)
Site:	NFE Federal	North Reference:	Grid
Well:	#40H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #2/01-27-15		

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
436.00	0.00	0.00	436.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
490.00	0.00	0.00	490.00	0.00	0.00	0.00	0.00	0.00	0.00
T/Salt									
1,218.00	0.00	0.00	1,218.00	0.00	0.00	0.00	0.00	0.00	0.00
B/Salt									
1,364.00	0.00	0.00	1,364.00	0.00	0.00	0.00	0.00	0.00	0.00
Yates									
1,814.00	0.00	0.00	1,814.00	0.00	0.00	0.00	0.00	0.00	0.00
Seven Rivers									
2,414.00	0.00	0.00	2,414.00	0.00	0.00	0.00	0.00	0.00	0.00
Queen									
2,835.00	0.00	0.00	2,835.00	0.00	0.00	0.00	0.00	0.00	0.00
Grayburg									
3,154.00	0.00	0.00	3,154.00	0.00	0.00	0.00	0.00	0.00	0.00
San Andres									
4,398.56	0.00	0.00	4,398.56	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start 12°/100' Build									
4,400.00	0.17	269.62	4,400.00	0.00	0.00	0.00	12.00	12.00	0.00
4,500.00	12.17	269.62	4,499.24	-0.07	-10.74	10.74	12.00	12.00	0.00
4,600.00	24.17	269.62	4,594.08	-0.28	-41.87	41.87	12.00	12.00	0.00
4,604.92	24.76	269.62	4,598.56	-0.29	-43.90	43.90	12.00	12.00	0.00
Glorieta									
4,697.18	35.83	269.62	4,678.09	-0.60	-90.37	90.38	12.00	12.00	0.00
Yeso (Paddock)									
4,700.00	36.17	269.62	4,680.37	-0.61	-92.03	92.04	12.00	12.00	0.00
4,800.00	48.17	269.62	4,754.35	-1.06	-159.05	159.05	12.00	12.00	0.00
4,900.00	60.17	269.62	4,812.77	-1.60	-239.98	239.98	12.00	12.00	0.00
4,944.72	65.54	269.62	4,833.17	-1.86	-279.75	279.76	12.00	12.00	0.00
Paddock Toe									
5,000.00	72.17	269.62	4,853.10	-2.20	-331.28	331.29	12.00	12.00	0.00
5,085.05	82.38	269.62	4,871.81	-2.75	-414.14	414.14	12.00	12.00	0.00
Paddock Landing									
5,100.00	84.17	269.62	4,873.56	-2.85	-428.98	428.99	12.00	12.00	0.00
5,153.36	90.58	269.62	4,876.00	-3.21	-482.25	482.26	12.00	12.00	0.00
LP Begin 90°/58° Inc Hold									
5,200.00	90.58	269.62	4,875.53	-3.52	-528.89	528.90	0.00	0.00	0.00
5,300.00	90.58	269.62	4,874.53	-4.18	-628.88	628.90	0.00	0.00	0.00
5,400.00	90.58	269.62	4,873.52	-4.85	-728.88	728.89	0.00	0.00	0.00
5,500.00	90.58	269.62	4,872.52	-5.51	-828.87	828.89	0.00	0.00	0.00
5,600.00	90.58	269.62	4,871.52	-6.18	-928.86	928.88	0.00	0.00	0.00
5,700.00	90.58	269.62	4,870.51	-6.84	-1,028.85	1,028.88	0.00	0.00	0.00
5,800.00	90.58	269.62	4,869.51	-7.51	-1,128.85	1,128.87	0.00	0.00	0.00
5,900.00	90.58	269.62	4,868.50	-8.17	-1,228.84	1,228.87	0.00	0.00	0.00
6,000.00	90.58	269.62	4,867.50	-8.84	-1,328.83	1,328.86	0.00	0.00	0.00
6,100.00	90.58	269.62	4,866.49	-9.50	-1,428.83	1,428.86	0.00	0.00	0.00
6,200.00	90.58	269.62	4,865.49	-10.17	-1,528.82	1,528.85	0.00	0.00	0.00
6,300.00	90.58	269.62	4,864.49	-10.83	-1,628.81	1,628.85	0.00	0.00	0.00
6,400.00	90.58	269.62	4,863.48	-11.50	-1,728.80	1,728.84	0.00	0.00	0.00
6,500.00	90.58	269.62	4,862.48	-12.16	-1,828.80	1,828.84	0.00	0.00	0.00
6,600.00	90.58	269.62	4,861.47	-12.83	-1,928.79	1,928.83	0.00	0.00	0.00
6,700.00	90.58	269.62	4,860.47	-13.49	-2,028.78	2,028.83	0.00	0.00	0.00

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #40H
Company:	Apache Corporation	TVD Reference:	KB @ 3769.00usft (Capstar 119)
Project:	Eddy County NM (NAD27 NME)	MD Reference:	KB @ 3769.00usft (Capstar 119)
Site:	NFE Federal	North Reference:	Grid
Well:	#40H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #2'01-27-15		

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)
6,800.00	90.58	269.62	4,859.46	-14.16	-2,128.77	2,128.82	0.00	0.00	0.00
6,900.00	90.58	269.62	4,858.46	-14.83	-2,228.77	2,228.82	0.00	0.00	0.00
7,000.00	90.58	269.62	4,857.46	-15.49	-2,328.76	2,328.81	0.00	0.00	0.00
7,100.00	90.58	269.62	4,856.45	-16.16	-2,428.75	2,428.81	0.00	0.00	0.00
7,200.00	90.58	269.62	4,855.45	-16.82	-2,528.75	2,528.80	0.00	0.00	0.00
7,300.00	90.58	269.62	4,854.44	-17.49	-2,628.74	2,628.80	0.00	0.00	0.00
7,400.00	90.58	269.62	4,853.44	-18.15	-2,728.73	2,728.79	0.00	0.00	0.00
7,500.00	90.58	269.62	4,852.43	-18.82	-2,828.72	2,828.79	0.00	0.00	0.00
7,600.00	90.58	269.62	4,851.43	-19.48	-2,928.72	2,928.78	0.00	0.00	0.00
7,700.00	90.58	269.62	4,850.43	-20.15	-3,028.71	3,028.78	0.00	0.00	0.00
7,800.00	90.58	269.62	4,849.42	-20.81	-3,128.70	3,128.77	0.00	0.00	0.00
7,900.00	90.58	269.62	4,848.42	-21.48	-3,228.69	3,228.77	0.00	0.00	0.00
8,000.00	90.58	269.62	4,847.41	-22.14	-3,328.69	3,328.76	0.00	0.00	0.00
8,100.00	90.58	269.62	4,846.41	-22.81	-3,428.68	3,428.76	0.00	0.00	0.00
8,200.00	90.58	269.62	4,845.40	-23.47	-3,528.67	3,528.75	0.00	0.00	0.00
8,300.00	90.58	269.62	4,844.40	-24.14	-3,628.67	3,628.75	0.00	0.00	0.00
8,400.00	90.58	269.62	4,843.40	-24.80	-3,728.66	3,728.74	0.00	0.00	0.00
8,500.00	90.58	269.62	4,842.39	-25.47	-3,828.65	3,828.74	0.00	0.00	0.00
8,600.00	90.58	269.62	4,841.39	-26.13	-3,928.64	3,928.73	0.00	0.00	0.00
8,700.00	90.58	269.62	4,840.38	-26.80	-4,028.64	4,028.73	0.00	0.00	0.00
8,800.00	90.58	269.62	4,839.38	-27.46	-4,128.63	4,128.72	0.00	0.00	0.00
8,900.00	90.58	269.62	4,838.37	-28.13	-4,228.62	4,228.72	0.00	0.00	0.00
9,000.00	90.58	269.62	4,837.37	-28.79	-4,328.62	4,328.71	0.00	0.00	0.00
9,100.00	90.58	269.62	4,836.37	-29.46	-4,428.61	4,428.71	0.00	0.00	0.00
9,136.39	90.58	269.62	4,836.00	-29.70	-4,465.00	4,465.09	0.00	0.00	0.00
TD at 9136.39' MD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/S (usft)	+E/W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL-NFE Fed #40H v2	0.00	0.00	4,836.00	-29.70	-4,465.00	677,423.60	628,394.70	32° 51' 41.83909 N	103° 54' 54.69870 W
- plan hits target center									
- Point									

Database:	Compass 5000.GCR	Local Co-ordinate Reference:	Well #40H:
Company:	Apache Corporation	TVD Reference:	KB @ 3769.00usft (Capstar 119)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3769.00usft (Capstar 119)
Site:	NEE Federal	North Reference:	Grid
Well:	#40H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #2 01-27-15		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
436.00	436.00	Rustler		-0.58	269.62	
490.00	490.00	T/Salt		-0.58	269.62	
1,218.00	1,218.00	B/Salt		-0.58	269.62	
1,364.00	1,364.00	Yates		-0.58	269.62	
1,814.00	1,814.00	Seven Rivers		-0.58	269.62	
2,414.00	2,414.00	Queen		-0.58	269.62	
2,835.00	2,835.00	Grayburg		-0.58	269.62	
3,154.00	3,154.00	San Andres		-0.58	269.62	
4,604.92	4,598.56	Glorieta		-0.58	269.62	
4,697.18	4,678.09	Yeso (Paddock)		-0.58	269.62	
4,944.72	4,833.17	Paddock Toe		-0.58	269.62	
5,085.05	4,871.81	Paddock Landing		-0.58	269.62	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment	
4,398.56	4,398.56	0.00	0.00	KOP, Start 12°/100' Build	
5,153.36	4,876.00	-3.21	-482.25	LP, Begin 90.58° Inc Hold	
9,136.39	4,836.00	-29.70	-4,465.00	TD at 9136.39' MD	