

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.

8. Well Name and No.
NFE FEDERAL 42H9. API Well No.
30-015-42902-00-X110. Field and Pool, or Exploratory
CEDAR LAKE11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
APACHE CORPORATIONContact: SORINA FLORES
E-Mail: sorina.flores@apachecorp.com3a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-1167

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

Sec 6 T17S R31E NESE 2065FSL 200FEL
32.861833 N Lat, 103.900653 W Lon**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 A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 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 recompletion 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 #42H
FROM: TVD: 5230' MD: 9612'
TO: TVD: 5354' MD: 9663'

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

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 3 2015

RECEIVED

Original COAs Still Stand.

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

**Electronic Submission #290039 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 (15JAM0207SE)**

Name (Printed/Typed) SORINA FLORES

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 01/30/2015

APPROVED**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

JAN 30 2015

Date

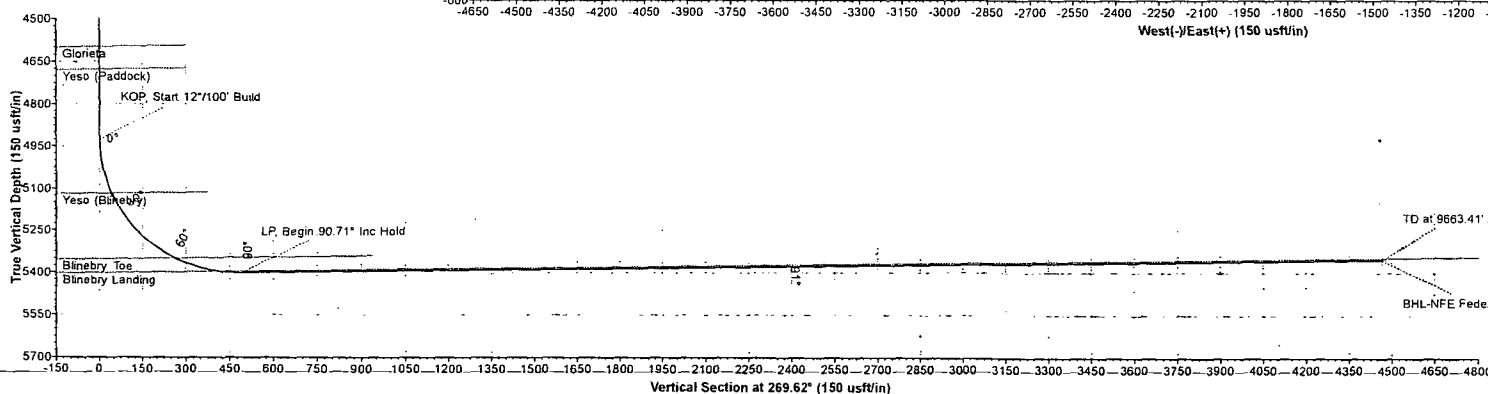
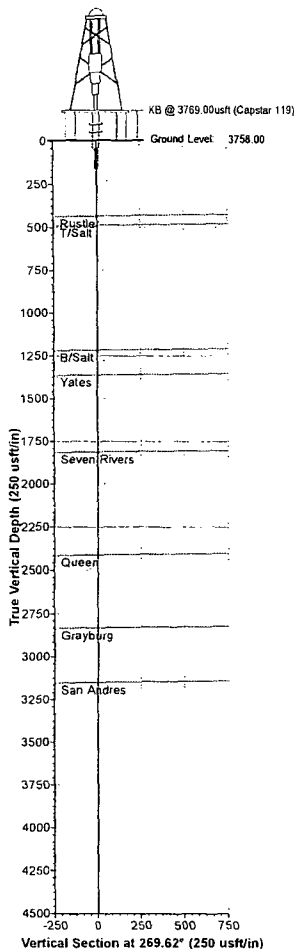
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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 ****



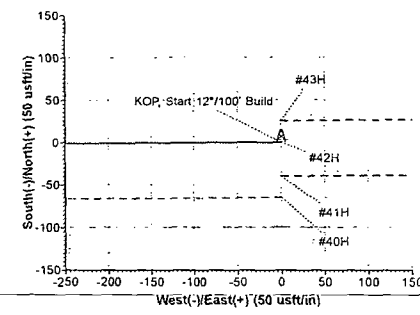
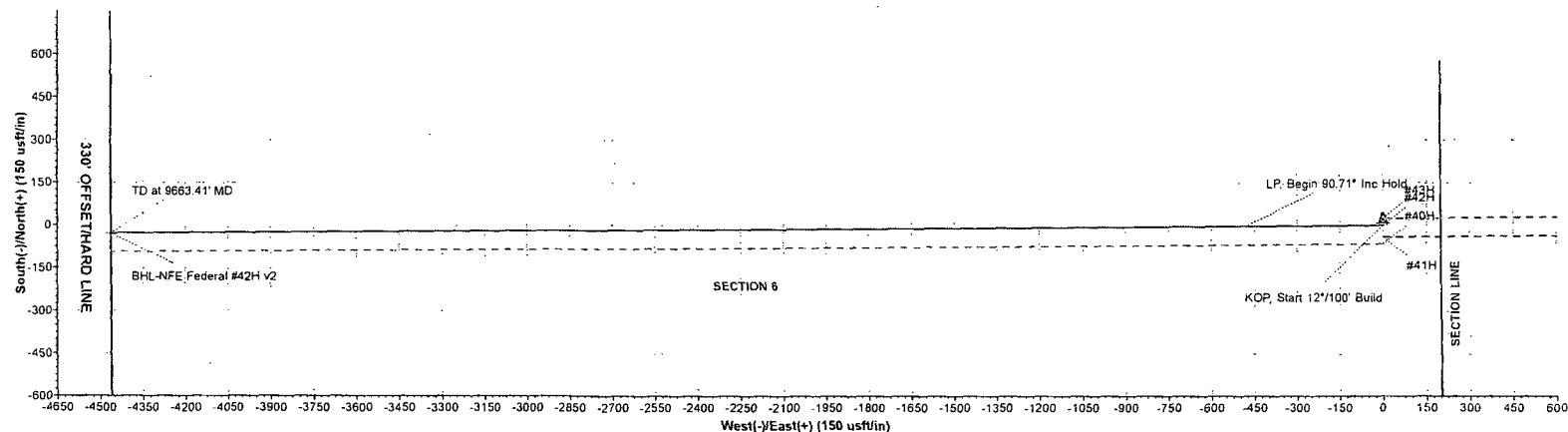
WELL DETAILS									
	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude			
	0.00	0.00	677518.30	632859.40	32° 51' 42.59816 N	103° 54' 2.35121 W			

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	4925.57	0.00	0.00	4925.57	0.00	0.00	0.00	0.00	0.00		KOP, Start 12°/100' Build
3	5681.45	90.71	269.62	5403.00	-3.22	-483.33	12.00	269.62	483.34		LP, Begin 90.71° Inc Hold
4	9663.41	90.71	269.62	5354.00	-29.70	-4464.90	0.00	0.00	4465.00	BHL-NFE Federal #42H v2	TD at 9663.41' MD

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
BHL-NFE Federal #42H v2	5354.00	-29.70	-4464.90	677488.00	628394.50	32° 51' 42.48227 N	103° 54' 54.69802 W	Point	- plan hits target center

FORMATION TOP DETAILS				
TVDPath	MDPath	Formation	DipAngle	DipDir
436.00	436.00	Rustler	-0.71	269.62
490.00	490.00	T/Salt	-0.71	269.62
1218.00	1218.00	B/Salt	-0.71	269.62
1364.00	1364.00	Yates	-0.71	269.62
1814.00	1814.00	Seven Rivers	-0.71	269.62
2414.00	2414.00	Queen	-0.71	269.62
2835.00	2835.00	Grayburg	-0.71	269.62
3154.00	3154.00	San Andres	-0.71	269.62
4599.00	4599.00	Glorieta	-0.71	269.62
4679.00	4679.00	Yeso (Paddock)	-0.71	269.62
5118.50	5124.17	Yeso (Blinebry)	-0.71	269.62
5350.77	5450.09	Blinebry Toe	-0.71	269.62
5397.94	5605.79	Blinebry Landing	-0.71	269.62

LEGEND	
---	#29H, WB1 / Job #1512834, Plan #2 01-22-15 V0
---	#30H, WB1, Plan #1 02-16-14 V0
---	#40H, WB1, Plan #2 01-27-15 V0
---	#41H, WB1, Plan #2 01-27-15 V0
---	#43H, WB1, Plan #2 01-28-15 V0
---	Plan #1 01-27-15





EXPLORING WHAT'S POSSIBLE

Apache Corporation

Eddy County, NM (NAD27 NME)

NFE Federal

#42H

WB1

Plan: Plan #1 01-27-15

Standard Planning Report

28 January, 2015



PHOENIX
TECHNOLOGY SERVICES

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #42H
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:	#42H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #1 01-27-15		

Project:	Eddy County, NM (NAD27-NME)
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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
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Site Position:		Northing:	673,264.70 usft	Latitude:	32° 51' 0.49036 N
From:	Map	Easting:	633,303.50 usft	Longitude:	103° 53' 57.34966 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.24 °

Well:	#42H
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Well Position	+N/-S	4,253.60 usft	Northing:	677,518.30 usft	Latitude:	32° 51' 42.59816 N
	+E/-W	-444.10 usft	Easting:	632,859.40 usft	Longitude:	103° 54' 2.35121 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,758.00 usft

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

Design:	Plan #1 01-27-15
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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	269.62

Plan Sections:	
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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	
4,925.57	0.00	0.00	4,925.57	0.00	0.00	0.00	0.00	0.00	0.00	
5,681.45	90.71	269.62	5,403.00	-3.22	-483.33	12.00	12.00	-11.96	269.62	
9,663.41	90.71	269.62	5,354.00	-29.70	-4,464.90	0.00	0.00	0.00	0.00	BHL-NFE Federal #42

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #42H
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:	#42H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #1-01-27-15		

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									
4,599.00	0.00	0.00	4,599.00	0.00	0.00	0.00	0.00	0.00	0.00
Glorieta									
4,679.00	0.00	0.00	4,679.00	0.00	0.00	0.00	0.00	0.00	0.00
Yeso (Paddock)									
4,925.57	0.00	0.00	4,925.57	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Start 12°/100' Build									
5,000.00	8.93	269.62	4,999.70	-0.04	-5.79	5.79	12.00	12.00	0.00
5,100.00	20.93	269.62	5,096.15	-0.21	-31.51	31.51	12.00	12.00	0.00
5,124.17	23.83	269.62	5,118.50	-0.27	-40.71	40.71	12.00	12.00	0.00
Yeso (Blinebry)									
5,200.00	32.93	269.62	5,185.14	-0.51	-76.72	76.72	12.00	12.00	0.00
5,300.00	44.93	269.62	5,262.79	-0.93	-139.44	139.44	12.00	12.00	0.00
5,400.00	56.93	269.62	5,325.70	-1.44	-216.94	216.94	12.00	12.00	0.00
5,450.09	62.93	269.62	5,350.77	-1.73	-260.26	260.27	11.98	11.98	0.00
Blinebry Toe									
5,500.00	68.93	269.62	5,371.12	-2.03	-305.82	305.82	12.02	12.02	0.00
5,600.00	80.93	269.62	5,397.07	-2.68	-402.20	402.21	12.00	12.00	0.00
5,605.79	81.63	269.62	5,397.94	-2.71	-407.92	407.93	12.00	12.00	0.00
Blinebry Landing									
5,681.45	90.71	269.62	5,403.00	-3.22	-483.33	483.34	12.00	12.00	0.00
LP, Begin 90.71° Inc Hold									
5,700.00	90.71	269.62	5,402.77	-3.34	-501.88	501.89	0.00	0.00	0.00
5,800.00	90.71	269.62	5,401.54	-4.00	-601.87	601.89	0.00	0.00	0.00
5,900.00	90.71	269.62	5,400.31	-4.67	-701.86	701.88	0.00	0.00	0.00
6,000.00	90.71	269.62	5,399.08	-5.33	-801.85	801.87	0.00	0.00	0.00
6,100.00	90.71	269.62	5,397.85	-6.00	-901.84	901.86	0.00	0.00	0.00
6,200.00	90.71	269.62	5,396.62	-6.66	-1,001.83	1,001.86	0.00	0.00	0.00
6,300.00	90.71	269.62	5,395.39	-7.33	-1,101.82	1,101.85	0.00	0.00	0.00
6,400.00	90.71	269.62	5,394.16	-7.99	-1,201.81	1,201.84	0.00	0.00	0.00
6,500.00	90.71	269.62	5,392.93	-8.66	-1,301.80	1,301.83	0.00	0.00	0.00
6,600.00	90.71	269.62	5,391.70	-9.32	-1,401.79	1,401.83	0.00	0.00	0.00
6,700.00	90.71	269.62	5,390.47	-9.99	-1,501.78	1,501.82	0.00	0.00	0.00
6,800.00	90.71	269.62	5,389.23	-10.65	-1,601.77	1,601.81	0.00	0.00	0.00
6,900.00	90.71	269.62	5,388.00	-11.32	-1,701.76	1,701.80	0.00	0.00	0.00
7,000.00	90.71	269.62	5,386.77	-11.99	-1,801.76	1,801.79	0.00	0.00	0.00

Database:	Compass 5000 GCR	Local Co-ordinate Reference	Well #42H
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:	#42H	Survey/Calculation Method	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #1-01-27-15		

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)
7,100.00	90.71	269.62	5,385.54	-12.65	-1,901.75	1,901.79	0.00	0.00	0.00
7,200.00	90.71	269.62	5,384.31	-13.32	-2,001.74	2,001.78	0.00	0.00	0.00
7,300.00	90.71	269.62	5,383.08	-13.98	-2,101.73	2,101.77	0.00	0.00	0.00
7,400.00	90.71	269.62	5,381.85	-14.65	-2,201.72	2,201.76	0.00	0.00	0.00
7,500.00	90.71	269.62	5,380.62	-15.31	-2,301.71	2,301.76	0.00	0.00	0.00
7,600.00	90.71	269.62	5,379.39	-15.98	-2,401.70	2,401.75	0.00	0.00	0.00
7,700.00	90.71	269.62	5,378.16	-16.64	-2,501.69	2,501.74	0.00	0.00	0.00
7,800.00	90.71	269.62	5,376.93	-17.31	-2,601.68	2,601.73	0.00	0.00	0.00
7,900.00	90.71	269.62	5,375.70	-17.97	-2,701.67	2,701.73	0.00	0.00	0.00
8,000.00	90.71	269.62	5,374.47	-18.64	-2,801.66	2,801.72	0.00	0.00	0.00
8,100.00	90.71	269.62	5,373.24	-19.30	-2,901.65	2,901.71	0.00	0.00	0.00
8,200.00	90.71	269.62	5,372.01	-19.97	-3,001.64	3,001.70	0.00	0.00	0.00
8,300.00	90.71	269.62	5,370.78	-20.63	-3,101.63	3,101.70	0.00	0.00	0.00
8,400.00	90.71	269.62	5,369.55	-21.30	-3,201.62	3,201.69	0.00	0.00	0.00
8,500.00	90.71	269.62	5,368.32	-21.96	-3,301.61	3,301.68	0.00	0.00	0.00
8,600.00	90.71	269.62	5,367.09	-22.63	-3,401.60	3,401.67	0.00	0.00	0.00
8,700.00	90.71	269.62	5,365.85	-23.29	-3,501.59	3,501.67	0.00	0.00	0.00
8,800.00	90.71	269.62	5,364.62	-23.96	-3,601.58	3,601.66	0.00	0.00	0.00
8,900.00	90.71	269.62	5,363.39	-24.62	-3,701.57	3,701.65	0.00	0.00	0.00
9,000.00	90.71	269.62	5,362.16	-25.29	-3,801.56	3,801.64	0.00	0.00	0.00
9,100.00	90.71	269.62	5,360.93	-25.95	-3,901.55	3,901.64	0.00	0.00	0.00
9,200.00	90.71	269.62	5,359.70	-26.62	-4,001.54	4,001.63	0.00	0.00	0.00
9,300.00	90.71	269.62	5,358.47	-27.28	-4,101.53	4,101.62	0.00	0.00	0.00
9,400.00	90.71	269.62	5,357.24	-27.95	-4,201.52	4,201.61	0.00	0.00	0.00
9,500.00	90.71	269.62	5,356.01	-28.61	-4,301.51	4,301.61	0.00	0.00	0.00
9,600.00	90.71	269.62	5,354.78	-29.28	-4,401.50	4,401.60	0.00	0.00	0.00
9,663.41	90.71	269.62	5,354.00	-29.70	-4,464.90	4,465.00	0.00	0.00	0.00
TD at 9663.41' 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 Federal #42H	0.00	0.00	5,354.00	-29.70	-4,464.90	677,488.60	628,394.50	32° 51' 42.48227 N	103° 54' 54.69802 W
- plan hits target center									
- Point									

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #42H
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:	#42H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #1 01-27-15		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
436.00	436.00	Rustler		-0.71	269.62
490.00	490.00	T/Salt		-0.71	269.62
1,218.00	1,218.00	B/Salt		-0.71	269.62
1,364.00	1,364.00	Yates		-0.71	269.62
1,814.00	1,814.00	Seven Rivers		-0.71	269.62
2,414.00	2,414.00	Queen		-0.71	269.62
2,835.00	2,835.00	Grayburg		-0.71	269.62
3,154.00	3,154.00	San Andres		-0.71	269.62
4,599.00	4,599.00	Glorieta		-0.71	269.62
4,679.00	4,679.00	Yeso (Paddock)		-0.71	269.62
5,124.17	5,118.50	Yeso (Blinebry)		-0.71	269.62
5,450.09	5,350.77	Blinebry Toe		-0.71	269.62
5,605.79	5,397.94	Blinebry Landing		-0.71	269.62

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,925.57	4,925.57	0.00	0.00	KOP, Start 12°/100' Build
5,681.45	5,403.00	-3.22	-483.33	LP, Begin 90.71° Inc Hold
9,663.41	5,354.00	-29.70	-4,464.90	TD at 9663.41' MD