

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010SUNDRY 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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC049998B
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-818-1167		8. Well Name and No. HUMMINGBIRD FEDERAL COM 16H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T17S R31E Mer NMP 530FNL 100FWL 32.869360 N Lat, 103.830899 W Lon		9. API Well No. 30-015-43481
		10. Field and Pool, or Exploratory FREN;GLORIETA-YESO
		11. 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 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 REQUEST TO MODIFY THE TVD/MD/CSG/BOP/MUD PROGRAM/BHP FOR THE HUMMINGBIRD FED COM 16H:

OLD TVD: 6345'/LP: 6385'/MD: 11031'
NEW TVD: 5448'/LP: 5410'/MD: 10056'CSG - OLD PROD DEPTHS : 0' - 5907'
5907' - 11032'CSG - NEW PROD DEPTHS : 0' - 4932'
4932' - 10056'*Extremely Low Cement for Production Casing!**SEE COA*SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #326453 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by KENNETH RENNICK on 12/17/2015 ()	
Name (Printed/Typed) SORINA FLORES	Title SUBMITTING CONTACT
Signature (Electronic Submission)	Date 12/16/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	APPROVED PETROLEUM ENGINEER DEC 18 2015 Kenneth Rennick	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 _____		
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 any statement or representation as to any matter within its jurisdiction.			
BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE			

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional data for EC transaction #326453 that would not fit on the form

32. -Additional remarks, continued

*Prod csg will be tapered string w/7" csg f/surf to KOP(cmt'd thru stage tool f/ KOP to 3000')

BOP old: 13-5/8" BOP installed & tested before drlg 9-5/8" hole
BOP NEW: 11" BOP installed & tested before drlg 8-1/2" hole

MUD PROGRAM:

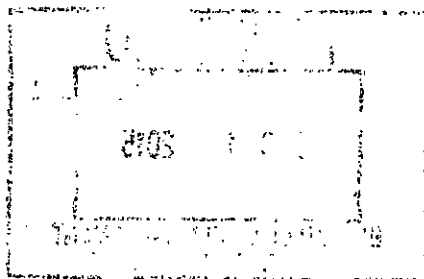
Old: Int shoe weight(ppg): 9.0-10.0

NEW: Int shoe weight(ppg): 8.6-10.2

BHP Old: 2831psi

BHP NEW: 2398psi

****Please see attached revised directional plan****



Hummingbird Federal Com 16H
30-015-43481
Apache Corporation
Conditions of Approval

Original COA still applies, except for the replacement of the Communitization Agreement requirements and the cement fill requirements behind the 7 x 5 1/2 inch production casing. As well as an addition to the requirements of the Working Pressure of the Pressure Control Equipment.

Communitization Agreement:

1. The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
2. If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
3. In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

7 x 5 1/2 inch Production Casing:

1. The minimum required fill of cement behind the 7 x 5 1/2 inch production casing is:
 - ☒ Cement as proposed by operator. Operator shall provide method of verification. **Excess calculate to negative 67% - Additional cement will be required.**

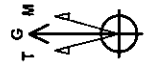
Pressure Control Equipment:

1. In the case where the only BOP installed is an annular preventer, it shall be tested to a minimum of 2000 psi (which may require upgrading to 3M or 5M annular). Note that a 2M annular was proposed for below the surface casing shoe, but a schematic was attached.

KGR 12182015

Project: Eddy County, NM (NAD27 NME)
Site: Hummingbird Federal Com
Well: #16H
Wellbore: OH
Design: Plan #2 12-11-15
Rig: TBD

PHOENIX
TECHNOLOGY SERVICES



Azimuth to Grid North
True North: 7.22°
Magnetic North: 7.16°
Magnetic Field
Strength: 48583.3nT
Dip Angle: 80.85°
Date: 12/11/2015
Model: HOGM

WELL DETAILS

Ground Level	4037.00
East	103° 48' 51.2328 W
North	103° 48' 51.2328 W
East	103° 48' 51.2328 W
North	103° 48' 51.2328 W

SECTION DETAILS

Sec	MD	Int	Act	TVD	+NLS	+EAW	Chp	TE	Face	VSS	Target	Annulation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP, Begin 12.00/100' Build
2	4932.55	0.00	0.00	4932.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LP Head 89.50' Inc
3	5678.41	89.50	89.57	5410.00	3.51	473.31	12.00	89.57	473.32			TD at 10056.38
4	10056.38	89.50	89.57	5448.00	38.00	4851.00	0.00	0.00	4851.13	89.4	V2 HFC #16H	

DESIGN TARGET DETAILS

Name	MP HFC #16H	BLH V2 HFC #16H
TVD	5429.00	18.78
+EAW	18.78	2542.15
North	680371.56	658027.45
East	680371.56	658027.45
Longitude	103° 48' 20.02348 W	Pent
Shape	Pent	
Point Not Target Center	5448.00	38.00
Point Not Target Center	4851.00	680387.80
Point Not Target Center	658116.30	103° 48' 54.35916 W
Point Not Target Center		Pent

FORMATION TOP DETAILS

TVD	MD	Formation	Depth	Depth
744.00	144.00	Rankin	0.50	89.57
1495.00	1495.00	17 Sat	0.50	89.57
1860.00	1860.00	8 Sat	0.50	89.57
2105.00	2105.00	Yates	0.50	89.57
2396.00	2396.00	Seven Rivers	0.50	89.57
2471.00	2471.00	Queen	0.50	89.57
3442.00	3442.00	Grayburg	0.50	89.57
3732.00	3732.00	San Andres	0.50	89.57
5278.80	5278.80	Glorieta	0.50	89.57
5284.35	5284.35	Yeso (Paddock)	0.50	89.57

LEGEND

- #16H, OH, Plan #1 02-30-14 V0
- #17H, OH, Plan #2 12-11-15 V0
- #14H, OH, Plan #2 12-30-14 V0
- #13H, OH, Plan #1 07-30-14 V0
- #15H, OH, Plan #1 07-30-14 V0
- Plan #2 12-11-15

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1983 (NADCON CONUS)
Zone Name: New Mexico East 3001
Local Origin: Well #16H, Grid North
Latitude: 32° 52' 0.69771 N
Longitude: 103° 48' 51.23278 W
Grid East: 654285.30
Grid North: 680351.80
Scale Factor: 1.000
Geographic Model: HOGM
Spheroid: Spheroid 11-Dec-15
Magnetic Declination: 7.47°
Dip Angle from Horizontal: 60.85°
Magnetic Field Strength: 48583
To convert a Magnetic Direction to a Grid Direction, Add 7.47°
To convert a Grid Direction to a Magnetic Direction, Subtract 7.47°
To convert a True Direction to a Grid Direction, Subtract 127°

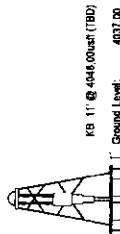
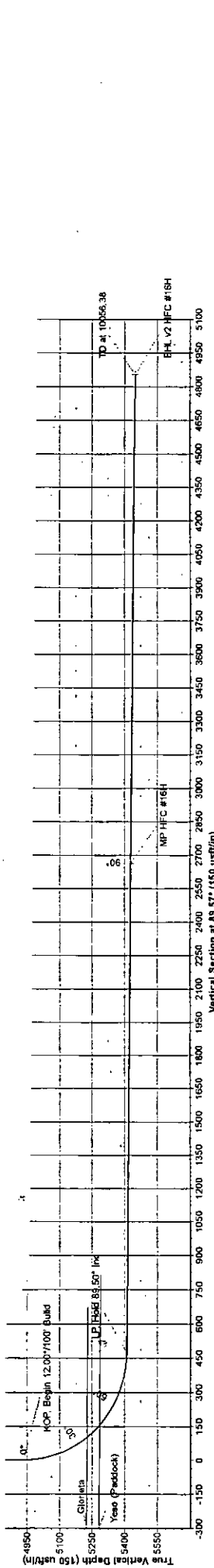
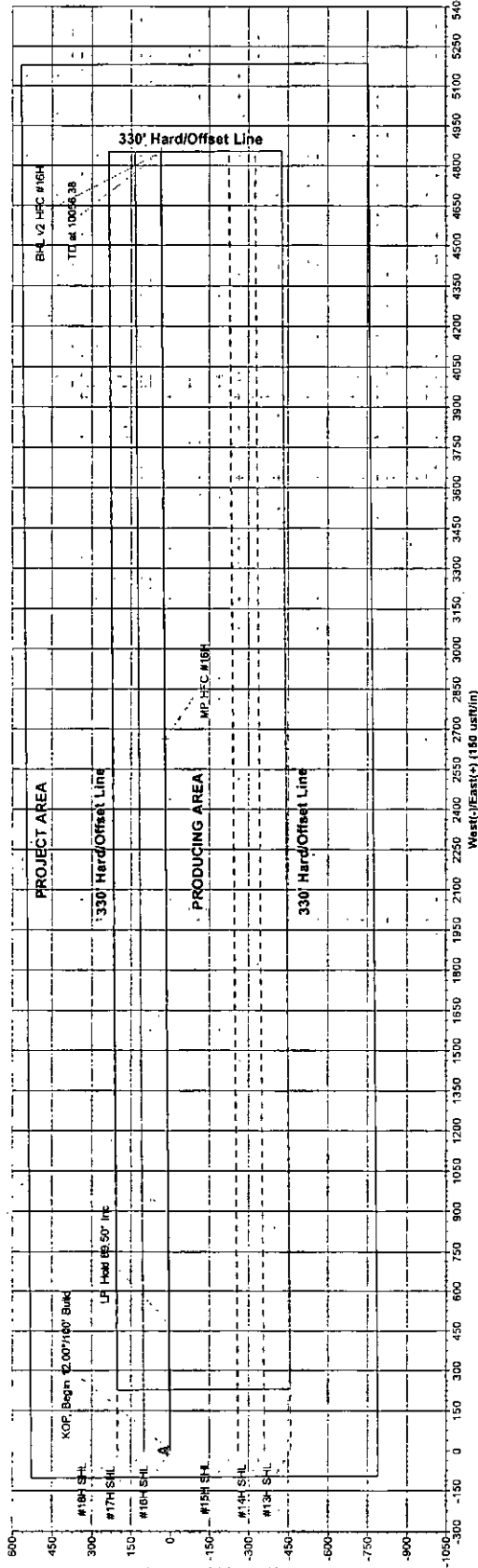


Fig 11' @ 4948.00ft (180)
Ground Level: 4037.00





NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 21 2015

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Apache Corporation

Eddy County, NM (NAD27 NME)

Hummingbird Federal Com

#16H

OH

Plan: Plan #2 12-11-15

Standard Planning Report

11 December, 2015



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #16H
Company:	Apache Corporation	TVD Reference:	KB: 11' @ 4048.00usft (TBD)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB: 11' @ 4048.00usft (TBD)
Site:	Hummingbird Federal Com	North Reference:	Grid
Well:	#16H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 12-11-15		

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:	Hummingbird Federal Com		
Site Position:	Map	Northing:	677,262.80 usft
From:		Easting:	655,481.80 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 51' 39.07462 N
		Longitude:	103° 49' 37.14798 W
		Grid Convergence:	0.27 °

Well:	#15H		
Well Position	+N/-S	3,089.00 usft	Northing:
	+E/-W	-1,216.50 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 52' 9.69771 N
		Longitude:	103° 49' 51.23729 W
		Ground Level:	4,037.00 usft

Wellbore:	OH		
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Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	12/11/2015	7.47	60.85	48,583

Design:	Plan #2 12-11-15		
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Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	89.57

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	
4,932.55	0.00	0.00	4,932.55	0.00	0.00	0.00	0.00	0.00	0.00	
5,678.41	89.50	89.57	5,410.00	3.51	473.31	12.00	12.00	12.01	89.57	
10,056.38	89.50	89.57	5,448.00	36.00	4,851.00	0.00	0.00	0.00	0.00	BHL v2 HFC #16H

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #16H
Company:	Apache Corporation	TVD Reference:	KB: 11' @ 4048.00usft (TBD)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB: 11' @ 4048.00usft (TBD)
Site:	Hummingbird Federal Com	North Reference:	Grid
Well:	#16H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 12-11-15		

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)
9,900.00	89.50	89.57	5,446.64	34.84	4,694.63	4,694.76	0.00	0.00	0.00
10,000.00	89.50	89.57	5,447.51	35.58	4,794.62	4,794.75	0.00	0.00	0.00
10,056.38	89.50	89.57	5,448.00	36.00	4,851.00	4,851.13	0.00	0.00	0.00
TD at 10056.38									

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									
MP HFC #16H	0.00	0.00	5,429.00	19.76	2,662.15	680,371.55	656,927.46	32° 52' 9.76675 N	03° 49' 20.02347 W
- plan hits target center									
- Point									
BHL v2 HFC #16H	0.00	0.00	5,448.00	36.00	4,851.00	680,387.80	659,116.30	32° 52' 9.82189 N	03° 48' 54.35916 W
- plan hits target center									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
744.00	745.00	Rustler		0.50	89.57	
1,495.00	1,496.00	T/ Salt		0.50	89.57	
1,960.00	1,961.00	B/Salt		0.50	89.57	
2,105.00	2,106.00	Yates		0.50	89.57	
2,396.00	2,397.00	Seven Rivers		0.50	89.57	
3,021.00	3,022.00	Queen		0.50	89.57	
3,442.00	3,443.00	Grayburg		0.50	89.57	
3,732.00	3,733.00	San Andres		0.50	89.57	
5,249.70	5,227.89	Glorieta		0.50	89.57	
5,328.05	5,285.35	Yeso (Paddock)		0.50	89.57	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
4,932.55	4,932.55	0.00	0.00	KOP, Begin 12.00°/100' Build	
5,678.41	5,410.00	3.51	473.31	LP, Hold 89.50° Inc	
10,056.38	5,448.00	36.00	4,851.00	TD at 10056.38	



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 21 2015

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Apache Corporation

Eddy County, NM (NAD27 NME)
Hummingbird Federal Com
#16H

OH
Plan #2 12-11-15

Anticollision Report

11 December, 2015



Company:	Apache Corporation	Local Co-ordinate Reference:	Well #16H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB: 11' @ 4048.00usft (TBD)
Reference Site:	Hummingbird Federal Com	MD Reference:	KB: 11' @ 4048.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#16H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #2 12-11-15	Offset TVD Reference:	Offset Datum

Reference	Plan #2 12-11-15
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 100.00usft
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 10,000.00 u
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic
Casing Method:	Not applied

Survey Tool Program		Date 12/11/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	10,056.38	Plan #2 12-11-15 (OH)	PHX+MWD+HDGM	PHX+OWSG MWD + HDGM

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Hummingbird Federal Com						
#13H - OH - Plan #1 07-30-14	4,900.00	4,896.00	459.91	425.19	13.247	CC
#13H - OH - Plan #1 07-30-14	10,056.38	10,121.57	476.49	169.19	1.551	ES, SF
#14H - OH - Plan #2 12-30-14	4,900.00	4,897.00	359.91	325.18	10.365	CC
#14H - OH - Plan #2 12-30-14	5,000.00	4,996.78	359.95	324.52	10.160	ES
#14H - OH - Plan #2 12-30-14	10,056.38	10,507.83	610.35	413.21	3.096	SF
#15H - OH - Plan #1 07-30-14	4,900.00	4,898.00	259.90	225.18	7.485	CC
#15H - OH - Plan #1 07-30-14	5,000.00	4,997.78	259.96	224.53	7.337	ES
#15H - OH - Plan #1 07-30-14	5,100.00	5,094.59	261.58	225.48	7.246	SF
#17H - OH - Plan #3 12-11-15	4,900.00	4,901.00	100.00	65.27	2.879	CC
#17H - OH - Plan #3 12-11-15	5,000.00	5,000.78	100.10	64.66	2.824	ES, SF
#18H - OH - Plan #1 07-30-14	4,900.00	4,902.00	199.90	165.16	5.754	CC
#18H - OH - Plan #1 07-30-14	10,056.38	10,120.41	232.17	43.77	0.841	Level 1, ES, SF

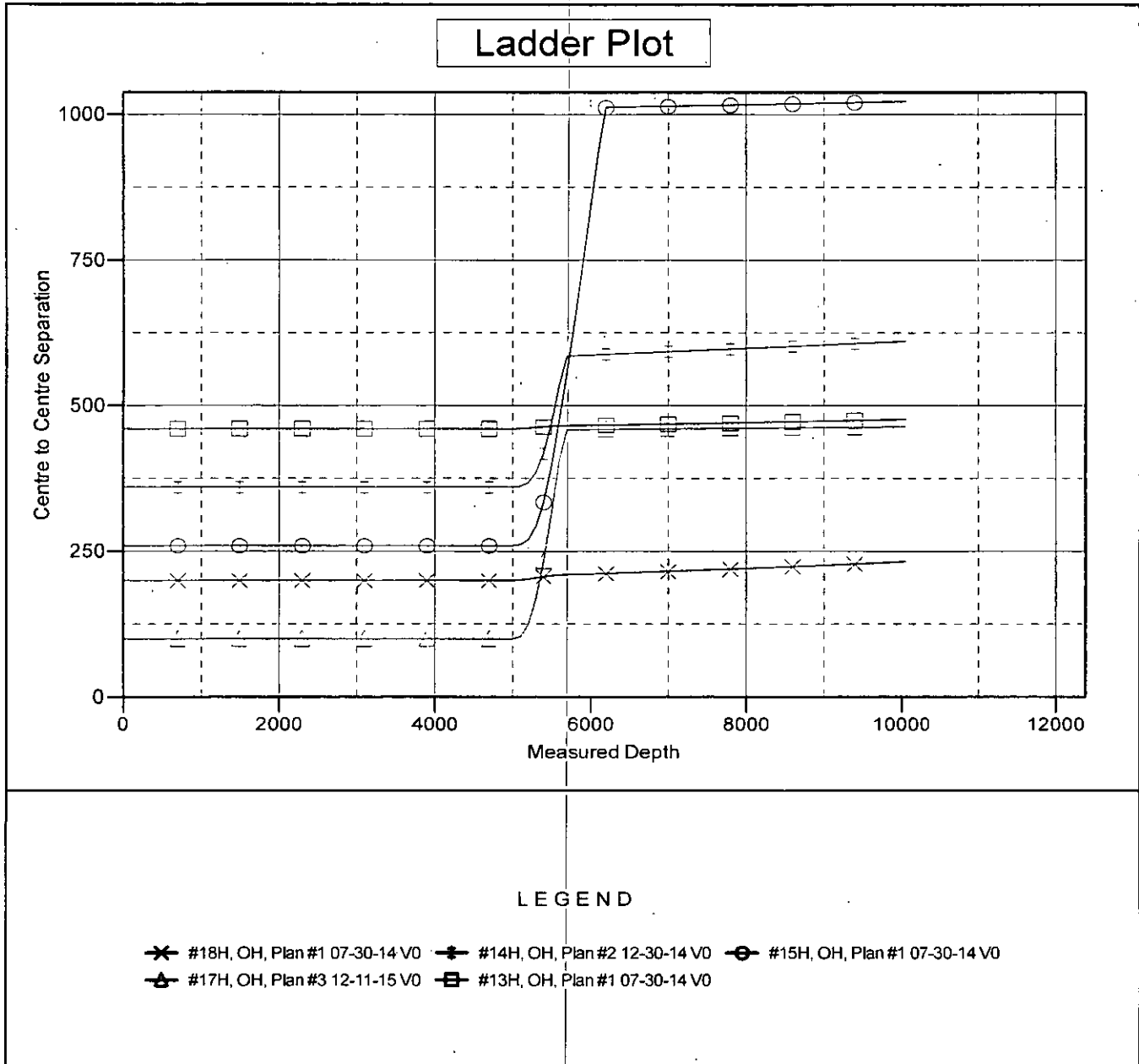
Offset Design											Hummingbird Federal Com - #13H - OH - Plan #1 07-30-14		Offset Site Error: 0.00 usft	
Survey Program: 0:PHX+MWD+BGGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	179.69	-459.90	2.50	459.92					
100.00	100.00	96.00	96.00	0.16	0.15	179.69	-459.90	2.50	459.91	459.59	0.31	1,470.952		
200.00	200.00	196.00	196.00	0.52	0.50	179.69	-459.90	2.50	459.91	458.89	1.02	450.163		
300.00	300.00	296.00	296.00	0.88	0.86	179.69	-459.90	2.50	459.91	458.17	1.74	264.529		
400.00	400.00	396.00	396.00	1.23	1.22	179.69	-459.90	2.50	459.91	457.45	2.46	187.294		
500.00	500.00	496.00	496.00	1.59	1.58	179.69	-459.90	2.50	459.91	456.73	3.17	144.968		
600.00	600.00	596.00	596.00	1.95	1.94	179.69	-459.90	2.50	459.91	456.02	3.89	118.246		
700.00	700.00	696.00	696.00	2.31	2.30	179.69	-459.90	2.50	459.91	455.30	4.61	99.842		
800.00	800.00	796.00	796.00	2.67	2.65	179.69	-459.90	2.50	459.91	454.58	5.32	86.395		
900.00	900.00	896.00	896.00	3.03	3.01	179.69	-459.90	2.50	459.91	453.87	6.04	76.140		
1,000.00	1,000.00	996.00	996.00	3.39	3.37	179.69	-459.90	2.50	459.91	453.15	6.76	68.062		
1,100.00	1,100.00	1,096.00	1,096.00	3.74	3.73	179.69	-459.90	2.50	459.91	452.43	7.47	61.533		
1,200.00	1,200.00	1,196.00	1,196.00	4.10	4.09	179.69	-459.90	2.50	459.91	451.72	8.19	56.147		
1,300.00	1,300.00	1,296.00	1,296.00	4.46	4.45	179.69	-459.90	2.50	459.91	451.00	8.91	51.628		
1,400.00	1,400.00	1,396.00	1,396.00	4.82	4.81	179.69	-459.90	2.50	459.91	450.28	9.62	47.783		
1,500.00	1,500.00	1,496.00	1,496.00	5.18	5.16	179.69	-459.90	2.50	459.91	449.56	10.34	44.470		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Apache Corporation	Local Co-ordinate Reference:	Well #16H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB: 11' @ 4048.00usft (TBD)
Reference Site:	Hummingbird Federal Com	MD Reference:	KB: 11' @ 4048.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#16H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #2 12-11-15	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB: 11' @ 4048.00usft (TBD)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 19' 60.00000 W

Coordinates are relative to: #16H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.27°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Apache Corporation	Local Co-ordinate Reference:	Well #16H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB: 11' @ 4048.00usft (TBD)
Reference Site:	Hummingbird Federal Com	MD Reference:	KB: 11' @ 4048.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#16H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #2 12-11-15	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB: 11' @ 4048.00usft (TBD)

Offset Depths are relative to Offset Datum

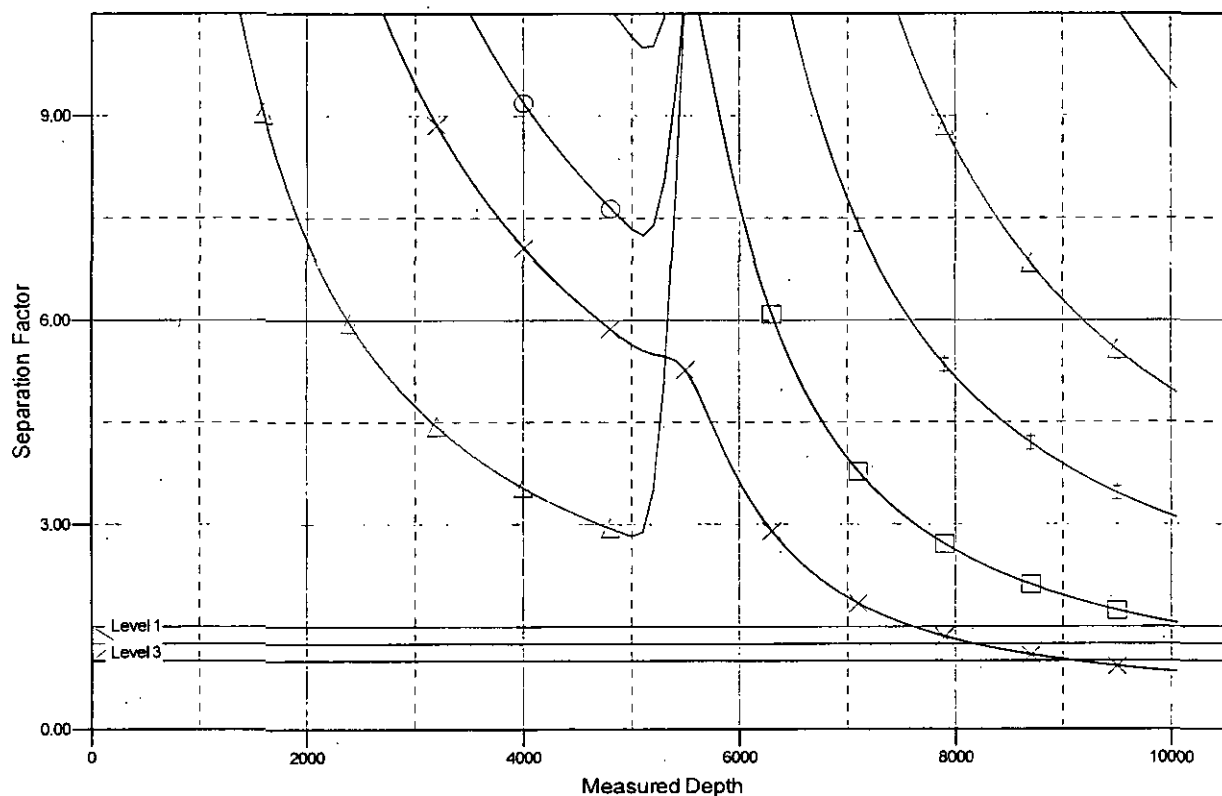
Central Meridian is 104° 19' 60.00000 W

Coordinates are relative to: #16H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.27°

Separation Factor Plot



LEGEND

- ✕ #18H, OH, Plan #1 07-30-14 V0
- ✕ #14H, OH, Plan #2 12-30-14 V0
- ⊙ #15H, OH, Plan #1 07-30-14 V0
- △ #17H, OH, Plan #3 12-11-15 V0
- ⊠ #13H, OH, Plan #1 07-30-14 V0