



30-025-41649

HOBBS OCD

JUL 03 2014

RECEIVED

EOG Resources - Midland ✓

Lea County, NM (NAD 27 NME)

Nautilus 16 State Com ✓

#1H ✓

OH

Plan: Plan #1

Standard Planning Report

30 June, 2014

hr



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Site:	Nautilus 16 State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Lea County, NM (NAD 27 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	Nautilus 16 State Com				
Site Position:		Northing:	382,984.00 usft	Latitude:	32° 2' 59.921 N
From:	Map	Easting:	768,397.00 usft	Longitude:	103° 28' 1.438 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	#1H					
Well Position	+N/-S	0.0 usft	Northing:	382,984.00 usft	Latitude:	32° 2' 59.921 N
	+E/-W	0.0 usft	Easting:	768,397.00 usft	Longitude:	103° 28' 1.438 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,312.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF201014	6/30/2014	7.15	59.97	48,219

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.50

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
12,062.5	0.00	0.00	12,062.5	0.0	0.0	0.00	0.00	0.00	0.00	
12,812.5	90.00	179.50	12,540.0	-477.4	4.2	12.00	12.00	23.93	179.50	
17,166.2	90.00	179.50	12,540.0	-4,831.0	42.0	0.00	0.00	0.00	0.00	PBHL(Naut 16 State



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Site:	Nautilus 16 State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Site:	Nautilus 16 State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Site:	Nautilus 18 State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)	
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,900.0	0.00	0.00	11,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
12,000.0	0.00	0.00	12,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
12,062.5	0.00	0.00	12,062.5	0.0	0.0	0.0	0.00	0.00	0.00	
12,075.0	1.50	179.50	12,075.0	-0.2	0.0	0.2	12.00	12.00	0.00	
12,100.0	4.50	179.50	12,100.0	-1.5	0.0	1.5	12.00	12.00	0.00	
12,125.0	7.50	179.50	12,124.8	-4.1	0.0	4.1	12.00	12.00	0.00	
12,150.0	10.50	179.50	12,149.5	-8.0	0.1	8.0	12.00	12.00	0.00	
12,175.0	13.50	179.50	12,174.0	-13.2	0.1	13.2	12.00	12.00	0.00	
12,200.0	16.50	179.50	12,198.1	-19.7	0.2	19.7	12.00	12.00	0.00	
12,225.0	19.50	179.50	12,221.9	-27.4	0.2	27.4	12.00	12.00	0.00	
12,250.0	22.50	179.50	12,245.2	-36.3	0.3	36.3	12.00	12.00	0.00	
12,275.0	25.50	179.50	12,268.1	-46.5	0.4	46.5	12.00	12.00	0.00	
12,300.0	28.50	179.50	12,290.3	-57.9	0.5	57.9	12.00	12.00	0.00	
12,325.0	31.50	179.50	12,312.0	-70.4	0.6	70.4	12.00	12.00	0.00	
12,350.0	34.50	179.50	12,332.9	-84.0	0.7	84.0	12.00	12.00	0.00	
12,375.0	37.50	179.50	12,353.2	-98.7	0.9	98.7	12.00	12.00	0.00	
12,400.0	40.50	179.50	12,372.6	-114.4	1.0	114.4	12.00	12.00	0.00	
12,425.0	43.50	179.50	12,391.2	-131.1	1.1	131.1	12.00	12.00	0.00	
12,450.0	46.50	179.50	12,408.8	-148.8	1.3	148.8	12.00	12.00	0.00	
12,475.0	49.50	179.50	12,425.6	-167.4	1.5	167.4	12.00	12.00	0.00	
12,500.0	52.50	179.50	12,441.3	-186.8	1.6	186.8	12.00	12.00	0.00	
12,525.0	55.50	179.50	12,456.0	-207.0	1.8	207.0	12.00	12.00	0.00	
12,550.0	58.50	179.50	12,469.6	-228.0	2.0	228.0	12.00	12.00	0.00	
12,575.0	61.50	179.50	12,482.1	-249.6	2.2	249.6	12.00	12.00	0.00	
12,600.0	64.50	179.50	12,493.5	-271.9	2.4	271.9	12.00	12.00	0.00	
12,625.0	67.50	179.50	12,503.6	-294.7	2.6	294.7	12.00	12.00	0.00	
12,650.0	70.50	179.50	12,512.6	-318.1	2.8	318.1	12.00	12.00	0.00	
12,675.0	73.50	179.50	12,520.3	-341.8	3.0	341.9	12.00	12.00	0.00	
12,700.0	76.50	179.50	12,526.8	-366.0	3.2	366.0	12.00	12.00	0.00	
12,725.0	79.50	179.50	12,532.0	-390.4	3.4	390.5	12.00	12.00	0.00	
12,750.0	82.50	179.50	12,535.9	-415.1	3.6	415.1	12.00	12.00	0.00	
12,775.0	85.50	179.50	12,538.5	-440.0	3.8	440.0	12.00	12.00	0.00	
12,800.0	88.50	179.50	12,539.8	-464.9	4.0	465.0	12.00	12.00	0.00	
12,812.5	90.00	179.50	12,540.0	-477.4	4.2	477.5	12.00	12.00	0.00	
12,900.0	90.00	179.50	12,540.0	-564.9	4.9	565.0	0.00	0.00	0.00	
13,000.0	90.00	179.50	12,540.0	-664.9	5.8	665.0	0.00	0.00	0.00	
13,100.0	90.00	179.50	12,540.0	-764.9	6.7	765.0	0.00	0.00	0.00	
13,200.0	90.00	179.50	12,540.0	-864.9	7.5	865.0	0.00	0.00	0.00	
13,300.0	90.00	179.50	12,540.0	-964.9	8.4	965.0	0.00	0.00	0.00	
13,400.0	90.00	179.50	12,540.0	-1,064.9	9.3	1,065.0	0.00	0.00	0.00	
13,500.0	90.00	179.50	12,540.0	-1,164.9	10.1	1,165.0	0.00	0.00	0.00	
13,600.0	90.00	179.50	12,540.0	-1,264.9	11.0	1,265.0	0.00	0.00	0.00	
13,700.0	90.00	179.50	12,540.0	-1,364.9	11.9	1,365.0	0.00	0.00	0.00	



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3337.0usft (H&P 415)
Site:	Nautilus 16 State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
13,800.0	90.00	179.50	12,540.0	-1,464.9	12.7	1,465.0	0.00	0.00	0.00
13,900.0	90.00	179.50	12,540.0	-1,564.9	13.6	1,565.0	0.00	0.00	0.00
14,000.0	90.00	179.50	12,540.0	-1,664.9	14.5	1,665.0	0.00	0.00	0.00
14,100.0	90.00	179.50	12,540.0	-1,764.9	15.3	1,765.0	0.00	0.00	0.00
14,200.0	90.00	179.50	12,540.0	-1,864.9	16.2	1,865.0	0.00	0.00	0.00
14,300.0	90.00	179.50	12,540.0	-1,964.9	17.1	1,965.0	0.00	0.00	0.00
14,400.0	90.00	179.50	12,540.0	-2,064.9	18.0	2,065.0	0.00	0.00	0.00
14,500.0	90.00	179.50	12,540.0	-2,164.9	18.8	2,165.0	0.00	0.00	0.00
14,600.0	90.00	179.50	12,540.0	-2,264.9	19.7	2,265.0	0.00	0.00	0.00
14,700.0	90.00	179.50	12,540.0	-2,364.9	20.6	2,365.0	0.00	0.00	0.00
14,800.0	90.00	179.50	12,540.0	-2,464.9	21.4	2,465.0	0.00	0.00	0.00
14,900.0	90.00	179.50	12,540.0	-2,564.9	22.3	2,565.0	0.00	0.00	0.00
15,000.0	90.00	179.50	12,540.0	-2,664.9	23.2	2,665.0	0.00	0.00	0.00
15,100.0	90.00	179.50	12,540.0	-2,764.9	24.0	2,765.0	0.00	0.00	0.00
15,200.0	90.00	179.50	12,540.0	-2,864.9	24.9	2,865.0	0.00	0.00	0.00
15,300.0	90.00	179.50	12,540.0	-2,964.9	25.8	2,965.0	0.00	0.00	0.00
15,400.0	90.00	179.50	12,540.0	-3,064.8	26.6	3,065.0	0.00	0.00	0.00
15,500.0	90.00	179.50	12,540.0	-3,164.8	27.5	3,165.0	0.00	0.00	0.00
15,600.0	90.00	179.50	12,540.0	-3,264.8	28.4	3,265.0	0.00	0.00	0.00
15,700.0	90.00	179.50	12,540.0	-3,364.8	29.3	3,365.0	0.00	0.00	0.00
15,800.0	90.00	179.50	12,540.0	-3,464.8	30.1	3,465.0	0.00	0.00	0.00
15,900.0	90.00	179.50	12,540.0	-3,564.8	31.0	3,565.0	0.00	0.00	0.00
16,000.0	90.00	179.50	12,540.0	-3,664.8	31.9	3,665.0	0.00	0.00	0.00
16,100.0	90.00	179.50	12,540.0	-3,764.8	32.7	3,765.0	0.00	0.00	0.00
16,200.0	90.00	179.50	12,540.0	-3,864.8	33.6	3,865.0	0.00	0.00	0.00
16,300.0	90.00	179.50	12,540.0	-3,964.8	34.5	3,965.0	0.00	0.00	0.00
16,400.0	90.00	179.50	12,540.0	-4,064.8	35.3	4,065.0	0.00	0.00	0.00
16,500.0	90.00	179.50	12,540.0	-4,164.8	36.2	4,165.0	0.00	0.00	0.00
16,600.0	90.00	179.50	12,540.0	-4,264.8	37.1	4,265.0	0.00	0.00	0.00
16,700.0	90.00	179.50	12,540.0	-4,364.8	37.9	4,365.0	0.00	0.00	0.00
16,800.0	90.00	179.50	12,540.0	-4,464.8	38.8	4,465.0	0.00	0.00	0.00
16,900.0	90.00	179.50	12,540.0	-4,564.8	39.7	4,565.0	0.00	0.00	0.00
17,000.0	90.00	179.50	12,540.0	-4,664.8	40.6	4,665.0	0.00	0.00	0.00
17,100.0	90.00	179.50	12,540.0	-4,764.8	41.4	4,765.0	0.00	0.00	0.00
17,166.2	90.00	179.50	12,540.0	-4,831.0	42.0	4,831.2	0.00	0.00	0.00
PBHL(Naut 16 State Com #1H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL(Naut 16 State Cc - hit/miss target - Shape - Point	0.00	0.00	12,540.0	-4,831.0	42.0	378,153.00	768,439.00	32° 2' 12.112 N	103° 28' 1.400 W