



OCD - HOBBS
07/31/2019
RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Yarrow 32 State

#201H

OH

Plan: Plan #0.1

Standard Planning Report

29 July, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3692.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3692.0usft
Site:	Yarrow 32 State	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Yarrow 32 State					
Site Position:		Northing:	457,304.00 usft	Latitude:	32° 15' 18.011 N	
From:	Map	Easting:	771,862.00 usft	Longitude:	103° 35' 15.414 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	#201H					
Well Position	+N/-S	61.0 usft	Northing:	457,365.00 usft	Latitude:	32° 15' 18.608 N
	+E/-W	92.0 usft	Easting:	771,954.00 usft	Longitude:	103° 35' 14.338 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,667.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/25/2019	6.73	60.06	47,736.76995512

Design	Plan #0.1			
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	359.26

Plan Survey Tool Program	Date	7/26/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	14,772.7	Plan #0.1 (OH)	MWD
				OWSG MWD - Standard

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.7	4.01	183.40	1,700.6	-7.0	-0.4	2.00	2.00	0.00	183.40	
7,280.3	4.01	183.40	7,266.4	-397.0	-23.6	0.00	0.00	0.00	0.00	
7,481.0	0.00	0.00	7,467.0	-404.0	-24.0	2.00	-2.00	0.00	180.00	
9,369.0	0.00	0.00	9,355.0	-404.0	-24.0	0.00	0.00	0.00	0.00	KOP (Yarrow 32 State
10,119.0	90.00	359.59	9,832.5	73.4	-27.4	12.00	12.00	-0.06	359.59	
14,772.7	90.00	359.59	9,832.5	4,727.0	-61.0	0.00	0.00	0.00	0.00	PBHL (Yarrow 32 Stat

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Site:	Yarrow 32 State	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	2.00	183.40	1,600.0	-1.7	-0.1	-1.7	2.00	2.00	0.00
1,700.7	4.01	183.40	1,700.6	-7.0	-0.4	-7.0	2.00	2.00	0.00
1,800.0	4.01	183.40	1,799.6	-14.0	-0.8	-13.9	0.00	0.00	0.00
1,900.0	4.01	183.40	1,899.3	-20.9	-1.2	-20.9	0.00	0.00	0.00
2,000.0	4.01	183.40	1,999.1	-27.9	-1.7	-27.9	0.00	0.00	0.00
2,100.0	4.01	183.40	2,098.9	-34.9	-2.1	-34.9	0.00	0.00	0.00
2,200.0	4.01	183.40	2,198.6	-41.9	-2.5	-41.9	0.00	0.00	0.00
2,300.0	4.01	183.40	2,298.4	-48.9	-2.9	-48.9	0.00	0.00	0.00
2,400.0	4.01	183.40	2,398.1	-55.9	-3.3	-55.8	0.00	0.00	0.00
2,500.0	4.01	183.40	2,497.9	-62.9	-3.7	-62.8	0.00	0.00	0.00
2,600.0	4.01	183.40	2,597.6	-69.9	-4.2	-69.8	0.00	0.00	0.00
2,700.0	4.01	183.40	2,697.4	-76.9	-4.6	-76.8	0.00	0.00	0.00
2,800.0	4.01	183.40	2,797.1	-83.8	-5.0	-83.8	0.00	0.00	0.00
2,900.0	4.01	183.40	2,896.9	-90.8	-5.4	-90.8	0.00	0.00	0.00
3,000.0	4.01	183.40	2,996.6	-97.8	-5.8	-97.7	0.00	0.00	0.00
3,100.0	4.01	183.40	3,096.4	-104.8	-6.2	-104.7	0.00	0.00	0.00
3,200.0	4.01	183.40	3,196.2	-111.8	-6.6	-111.7	0.00	0.00	0.00
3,300.0	4.01	183.40	3,295.9	-118.8	-7.1	-118.7	0.00	0.00	0.00
3,400.0	4.01	183.40	3,395.7	-125.8	-7.5	-125.7	0.00	0.00	0.00
3,500.0	4.01	183.40	3,495.4	-132.8	-7.9	-132.7	0.00	0.00	0.00
3,600.0	4.01	183.40	3,595.2	-139.8	-8.3	-139.6	0.00	0.00	0.00
3,700.0	4.01	183.40	3,694.9	-146.7	-8.7	-146.6	0.00	0.00	0.00
3,800.0	4.01	183.40	3,794.7	-153.7	-9.1	-153.6	0.00	0.00	0.00
3,900.0	4.01	183.40	3,894.4	-160.7	-9.5	-160.6	0.00	0.00	0.00
4,000.0	4.01	183.40	3,994.2	-167.7	-10.0	-167.6	0.00	0.00	0.00
4,100.0	4.01	183.40	4,093.9	-174.7	-10.4	-174.6	0.00	0.00	0.00
4,200.0	4.01	183.40	4,193.7	-181.7	-10.8	-181.5	0.00	0.00	0.00
4,300.0	4.01	183.40	4,293.5	-188.7	-11.2	-188.5	0.00	0.00	0.00
4,400.0	4.01	183.40	4,393.2	-195.7	-11.6	-195.5	0.00	0.00	0.00
4,500.0	4.01	183.40	4,493.0	-202.7	-12.0	-202.5	0.00	0.00	0.00
4,600.0	4.01	183.40	4,592.7	-209.7	-12.5	-209.5	0.00	0.00	0.00
4,700.0	4.01	183.40	4,692.5	-216.6	-12.9	-216.5	0.00	0.00	0.00
4,800.0	4.01	183.40	4,792.2	-223.6	-13.3	-223.4	0.00	0.00	0.00
4,900.0	4.01	183.40	4,892.0	-230.6	-13.7	-230.4	0.00	0.00	0.00
5,000.0	4.01	183.40	4,991.7	-237.6	-14.1	-237.4	0.00	0.00	0.00
5,100.0	4.01	183.40	5,091.5	-244.6	-14.5	-244.4	0.00	0.00	0.00
5,200.0	4.01	183.40	5,191.2	-251.6	-14.9	-251.4	0.00	0.00	0.00
5,300.0	4.01	183.40	5,291.0	-258.6	-15.4	-258.4	0.00	0.00	0.00

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Wellbore:	OH		
Design:	Plan #0.1		

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	4.01	183.40	5,390.8	-265.6	-15.8	-265.3	0.00	0.00	0.00
5,500.0	4.01	183.40	5,490.5	-272.6	-16.2	-272.3	0.00	0.00	0.00
5,600.0	4.01	183.40	5,590.3	-279.5	-16.6	-279.3	0.00	0.00	0.00
5,700.0	4.01	183.40	5,690.0	-286.5	-17.0	-286.3	0.00	0.00	0.00
5,800.0	4.01	183.40	5,789.8	-293.5	-17.4	-293.3	0.00	0.00	0.00
5,900.0	4.01	183.40	5,889.5	-300.5	-17.9	-300.3	0.00	0.00	0.00
6,000.0	4.01	183.40	5,989.3	-307.5	-18.3	-307.2	0.00	0.00	0.00
6,100.0	4.01	183.40	6,089.0	-314.5	-18.7	-314.2	0.00	0.00	0.00
6,200.0	4.01	183.40	6,188.8	-321.5	-19.1	-321.2	0.00	0.00	0.00
6,300.0	4.01	183.40	6,288.5	-328.5	-19.5	-328.2	0.00	0.00	0.00
6,400.0	4.01	183.40	6,388.3	-335.5	-19.9	-335.2	0.00	0.00	0.00
6,500.0	4.01	183.40	6,488.1	-342.4	-20.3	-342.2	0.00	0.00	0.00
6,600.0	4.01	183.40	6,587.8	-349.4	-20.8	-349.1	0.00	0.00	0.00
6,700.0	4.01	183.40	6,687.6	-356.4	-21.2	-356.1	0.00	0.00	0.00
6,800.0	4.01	183.40	6,787.3	-363.4	-21.6	-363.1	0.00	0.00	0.00
6,900.0	4.01	183.40	6,887.1	-370.4	-22.0	-370.1	0.00	0.00	0.00
7,000.0	4.01	183.40	6,986.8	-377.4	-22.4	-377.1	0.00	0.00	0.00
7,100.0	4.01	183.40	7,086.6	-384.4	-22.8	-384.1	0.00	0.00	0.00
7,200.0	4.01	183.40	7,186.3	-391.4	-23.2	-391.0	0.00	0.00	0.00
7,280.3	4.01	183.40	7,266.4	-397.0	-23.6	-396.6	0.00	0.00	0.00
7,300.0	3.62	183.40	7,286.1	-398.3	-23.7	-398.0	2.00	-2.00	0.00
7,400.0	1.62	183.40	7,386.0	-402.9	-23.9	-402.5	2.00	-2.00	0.00
7,481.0	0.00	0.00	7,467.0	-404.0	-24.0	-403.7	2.00	-2.00	0.00
7,500.0	0.00	0.00	7,486.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,586.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,686.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,786.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,886.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,000.0	0.00	0.00	7,986.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,100.0	0.00	0.00	8,086.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,186.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,286.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,386.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,486.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,586.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,686.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,786.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,886.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,986.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
9,100.0	0.00	0.00	9,086.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,186.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,286.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
9,369.0	0.00	0.00	9,355.0	-404.0	-24.0	-403.7	0.00	0.00	0.00
KOP (Yarrow 32 State #201H)									
9,375.0	0.72	359.59	9,361.0	-404.0	-24.0	-403.6	12.00	12.00	0.00
9,400.0	3.72	359.59	9,386.0	-403.0	-24.0	-402.7	12.00	12.00	0.00
9,425.0	6.72	359.59	9,410.9	-400.7	-24.0	-400.4	12.00	12.00	0.00
9,450.0	9.72	359.59	9,435.6	-397.1	-24.0	-396.8	12.00	12.00	0.00
9,475.0	12.72	359.59	9,460.1	-392.3	-24.1	-391.9	12.00	12.00	0.00
9,500.0	15.72	359.59	9,484.3	-386.1	-24.1	-385.8	12.00	12.00	0.00
9,525.0	18.72	359.59	9,508.2	-378.7	-24.2	-378.4	12.00	12.00	0.00
9,550.0	21.72	359.59	9,531.7	-370.1	-24.2	-369.8	12.00	12.00	0.00
9,575.0	24.72	359.59	9,554.6	-360.3	-24.3	-359.9	12.00	12.00	0.00

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Site:	Yarrow 32 State	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
9,600.0	27.72	359.59	9,577.1	-349.2	-24.4	-348.9	12.00	12.00	0.00
9,625.0	30.72	359.59	9,598.9	-337.0	-24.5	-336.7	12.00	12.00	0.00
9,650.0	33.72	359.59	9,620.0	-323.7	-24.6	-323.3	12.00	12.00	0.00
9,675.0	36.72	359.59	9,640.5	-309.3	-24.7	-308.9	12.00	12.00	0.00
9,700.0	39.72	359.59	9,660.1	-293.8	-24.8	-293.5	12.00	12.00	0.00
9,725.0	42.72	359.59	9,678.9	-277.3	-24.9	-277.0	12.00	12.00	0.00
9,750.0	45.72	359.59	9,696.8	-259.9	-25.0	-259.6	12.00	12.00	0.00
9,773.1	48.49	359.59	9,712.5	-243.0	-25.2	-242.6	12.00	12.00	0.00
FTP (Yarrow 32 State #201H)									
9,775.0	48.72	359.59	9,713.8	-241.6	-25.2	-241.2	12.00	12.00	0.00
9,800.0	51.72	359.59	9,729.8	-222.3	-25.3	-222.0	12.00	12.00	0.00
9,825.0	54.72	359.59	9,744.8	-202.3	-25.5	-202.0	12.00	12.00	0.00
9,850.0	57.72	359.59	9,758.7	-181.6	-25.6	-181.2	12.00	12.00	0.00
9,875.0	60.72	359.59	9,771.5	-160.1	-25.8	-159.7	12.00	12.00	0.00
9,900.0	63.72	359.59	9,783.1	-138.0	-25.9	-137.6	12.00	12.00	0.00
9,925.0	66.72	359.59	9,793.6	-115.3	-26.1	-114.9	12.00	12.00	0.00
9,950.0	69.72	359.59	9,802.9	-92.1	-26.2	-91.7	12.00	12.00	0.00
9,975.0	72.72	359.59	9,810.9	-68.4	-26.4	-68.0	12.00	12.00	0.00
10,000.0	75.72	359.59	9,817.7	-44.3	-26.6	-44.0	12.00	12.00	0.00
10,025.0	78.72	359.59	9,823.2	-20.0	-26.8	-19.6	12.00	12.00	0.00
10,050.0	81.72	359.59	9,827.5	4.7	-26.9	5.0	12.00	12.00	0.00
10,075.0	84.72	359.59	9,830.4	29.5	-27.1	29.8	12.00	12.00	0.00
10,100.0	87.72	359.59	9,832.1	54.4	-27.3	54.8	12.00	12.00	0.00
10,119.0	90.00	359.59	9,832.5	73.4	-27.4	73.8	12.00	12.00	0.00
10,200.0	90.00	359.59	9,832.5	154.4	-28.0	154.8	0.00	0.00	0.00
10,300.0	90.00	359.59	9,832.5	254.4	-28.7	254.8	0.00	0.00	0.00
10,400.0	90.00	359.59	9,832.5	354.4	-29.5	354.8	0.00	0.00	0.00
10,500.0	90.00	359.59	9,832.5	454.4	-30.2	454.8	0.00	0.00	0.00
10,600.0	90.00	359.59	9,832.5	554.4	-30.9	554.8	0.00	0.00	0.00
10,700.0	90.00	359.59	9,832.5	654.4	-31.6	654.8	0.00	0.00	0.00
10,800.0	90.00	359.59	9,832.5	754.4	-32.4	754.8	0.00	0.00	0.00
10,900.0	90.00	359.59	9,832.5	854.4	-33.1	854.8	0.00	0.00	0.00
11,000.0	90.00	359.59	9,832.5	954.4	-33.8	954.8	0.00	0.00	0.00
11,100.0	90.00	359.59	9,832.5	1,054.4	-34.5	1,054.8	0.00	0.00	0.00
11,200.0	90.00	359.59	9,832.5	1,154.4	-35.2	1,154.8	0.00	0.00	0.00
11,300.0	90.00	359.59	9,832.5	1,254.4	-36.0	1,254.8	0.00	0.00	0.00
11,400.0	90.00	359.59	9,832.5	1,354.4	-36.7	1,354.8	0.00	0.00	0.00
11,500.0	90.00	359.59	9,832.5	1,454.4	-37.4	1,454.8	0.00	0.00	0.00
11,600.0	90.00	359.59	9,832.5	1,554.4	-38.1	1,554.8	0.00	0.00	0.00
11,700.0	90.00	359.59	9,832.5	1,654.4	-38.8	1,654.8	0.00	0.00	0.00
11,800.0	90.00	359.59	9,832.5	1,754.4	-39.6	1,754.8	0.00	0.00	0.00
11,900.0	90.00	359.59	9,832.5	1,854.4	-40.3	1,854.8	0.00	0.00	0.00
12,000.0	90.00	359.59	9,832.5	1,954.4	-41.0	1,954.7	0.00	0.00	0.00
12,100.0	90.00	359.59	9,832.5	2,054.4	-41.7	2,054.7	0.00	0.00	0.00
12,200.0	90.00	359.59	9,832.5	2,154.4	-42.4	2,154.7	0.00	0.00	0.00
12,300.0	90.00	359.59	9,832.5	2,254.4	-43.2	2,254.7	0.00	0.00	0.00
12,400.0	90.00	359.59	9,832.5	2,354.4	-43.9	2,354.7	0.00	0.00	0.00
12,500.0	90.00	359.59	9,832.5	2,454.4	-44.6	2,454.7	0.00	0.00	0.00
12,600.0	90.00	359.59	9,832.5	2,554.4	-45.3	2,554.7	0.00	0.00	0.00
12,700.0	90.00	359.59	9,832.5	2,654.4	-46.1	2,654.7	0.00	0.00	0.00
12,800.0	90.00	359.59	9,832.5	2,754.4	-46.8	2,754.7	0.00	0.00	0.00
12,900.0	90.00	359.59	9,832.5	2,854.4	-47.5	2,854.7	0.00	0.00	0.00
13,000.0	90.00	359.59	9,832.5	2,954.4	-48.2	2,954.7	0.00	0.00	0.00
13,100.0	90.00	359.59	9,832.5	3,054.4	-48.9	3,054.7	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3692.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3692.0usft
Site:	Yarrow 32 State	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)	
13,200.0	90.00	359.59	9,832.5	3,154.4	-49.7	3,154.7	0.00	0.00	0.00	
13,300.0	90.00	359.59	9,832.5	3,254.3	-50.4	3,254.7	0.00	0.00	0.00	
13,400.0	90.00	359.59	9,832.5	3,354.3	-51.1	3,354.7	0.00	0.00	0.00	
13,500.0	90.00	359.59	9,832.5	3,454.3	-51.8	3,454.7	0.00	0.00	0.00	
13,600.0	90.00	359.59	9,832.5	3,554.3	-52.5	3,554.7	0.00	0.00	0.00	
13,700.0	90.00	359.59	9,832.5	3,654.3	-53.3	3,654.7	0.00	0.00	0.00	
13,800.0	90.00	359.59	9,832.5	3,754.3	-54.0	3,754.7	0.00	0.00	0.00	
13,900.0	90.00	359.59	9,832.5	3,854.3	-54.7	3,854.7	0.00	0.00	0.00	
14,000.0	90.00	359.59	9,832.5	3,954.3	-55.4	3,954.7	0.00	0.00	0.00	
14,100.0	90.00	359.59	9,832.5	4,054.3	-56.1	4,054.7	0.00	0.00	0.00	
14,200.0	90.00	359.59	9,832.5	4,154.3	-56.9	4,154.7	0.00	0.00	0.00	
14,300.0	90.00	359.59	9,832.5	4,254.3	-57.6	4,254.7	0.00	0.00	0.00	
14,400.0	90.00	359.59	9,832.5	4,354.3	-58.3	4,354.7	0.00	0.00	0.00	
14,500.0	90.00	359.59	9,832.5	4,454.3	-59.0	4,454.7	0.00	0.00	0.00	
14,600.0	90.00	359.59	9,832.5	4,554.3	-59.8	4,554.7	0.00	0.00	0.00	
14,700.0	90.00	359.59	9,832.5	4,654.3	-60.5	4,654.7	0.00	0.00	0.00	
14,772.7	90.00	359.59	9,832.5	4,727.0	-61.0	4,727.4	0.00	0.00	0.00	
PBHL (Yarrow 32 State #201H)										

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										
KOP (Yarrow 32 State #1 - plan hits target center - Point	0.00	0.00	9,355.0	-404.0	-24.0	456,961.00	771,930.00	32° 15' 14.612 N	103° 35' 14.650 W	
FTP (Yarrow 32 State #2 - plan misses target center by 163.5usft at 9773.1usft MD (9712.5 TVD, -243.0 N, -25.2 E) - Point	0.00	0.00	9,832.5	-354.0	-24.0	457,011.00	771,930.00	32° 15' 15.107 N	103° 35' 14.646 W	
PBHL (Yarrow 32 State # - plan hits target center - Point	0.00	0.01	9,832.5	4,727.0	-61.0	462,092.00	771,893.00	32° 16' 5.387 N	103° 35' 14.666 W	