



OCD - HOBBS
07/31/2019
RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Yarrow 32 State

#202H

OH

Plan: Plan #0.1

Standard Planning Report

29 July, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #202H
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:	#202H	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	#202H					
Well Position	+N/-S	61.0 usft	Northing:	457,365.00 usft	Latitude:	32° 15' 18.610 N
	+E/-W	59.0 usft	Easting:	771,921.00 usft	Longitude:	103° 35' 14.722 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)	
	User Defined	6/25/2019	6.59	59.82	47,826.80000000	
	User Defined	7/26/2019	6.57	59.80	47,910.00000000	
	User Defined	7/27/2019	6.58	59.77	47,822.40000000	

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	352.19	

Plan Survey Tool Program	Date	7/29/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	14,807.5	Plan #0.1 (OH)	MWD	
				OWSG MWD - Standard	

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Well:	#202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	
1,873.5	7.47	236.40	1,872.4	-13.5	-20.2	2.00	2.00	0.00	236.40	
7,142.3	7.47	236.40	7,096.6	-392.5	-590.8	0.00	0.00	0.00	0.00	
7,515.8	0.00	0.00	7,469.0	-406.0	-611.0	2.00	-2.00	0.00	180.00	
9,403.8	0.00	0.00	9,357.0	-406.0	-611.0	0.00	0.00	0.00	0.00	KOP (Yarrow 32 State
10,153.8	90.00	359.59	9,834.5	71.4	-614.4	12.00	12.00	-0.06	359.59	
14,807.5	90.00	359.59	9,834.5	4,725.0	-648.0	0.00	0.00	0.00	0.00	PBHL (Yarrow 32 Stat

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Site:	Yarrow 32 State	North Reference:	Grid
Well:	#202H	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	236.40	1,600.0	-1.0	-1.5	-0.8	2.00	2.00	0.00
1,700.0	4.00	236.40	1,699.8	-3.9	-5.8	-3.0	2.00	2.00	0.00
1,800.0	6.00	236.40	1,799.5	-8.7	-13.1	-6.8	2.00	2.00	0.00
1,873.5	7.47	236.40	1,872.4	-13.5	-20.2	-10.6	2.00	2.00	0.00
1,900.0	7.47	236.40	1,898.7	-15.4	-23.1	-12.1	0.00	0.00	0.00
2,000.0	7.47	236.40	1,997.9	-22.6	-33.9	-17.7	0.00	0.00	0.00
2,100.0	7.47	236.40	2,097.0	-29.8	-44.8	-23.4	0.00	0.00	0.00
2,200.0	7.47	236.40	2,196.2	-36.9	-55.6	-29.0	0.00	0.00	0.00
2,300.0	7.47	236.40	2,295.3	-44.1	-66.4	-34.7	0.00	0.00	0.00
2,400.0	7.47	236.40	2,394.5	-51.3	-77.3	-40.4	0.00	0.00	0.00
2,500.0	7.47	236.40	2,493.6	-58.5	-88.1	-46.0	0.00	0.00	0.00
2,600.0	7.47	236.40	2,592.8	-65.7	-98.9	-51.7	0.00	0.00	0.00
2,700.0	7.47	236.40	2,691.9	-72.9	-109.7	-57.3	0.00	0.00	0.00
2,800.0	7.47	236.40	2,791.1	-80.1	-120.6	-63.0	0.00	0.00	0.00
2,900.0	7.47	236.40	2,890.2	-87.3	-131.4	-68.6	0.00	0.00	0.00
3,000.0	7.47	236.40	2,989.4	-94.5	-142.2	-74.3	0.00	0.00	0.00
3,100.0	7.47	236.40	3,088.5	-101.7	-153.1	-80.0	0.00	0.00	0.00
3,200.0	7.47	236.40	3,187.7	-108.9	-163.9	-85.6	0.00	0.00	0.00
3,300.0	7.47	236.40	3,286.8	-116.1	-174.7	-91.3	0.00	0.00	0.00
3,400.0	7.47	236.40	3,386.0	-123.3	-185.5	-96.9	0.00	0.00	0.00
3,500.0	7.47	236.40	3,485.1	-130.5	-196.4	-102.6	0.00	0.00	0.00
3,600.0	7.47	236.40	3,584.3	-137.7	-207.2	-108.2	0.00	0.00	0.00
3,700.0	7.47	236.40	3,683.4	-144.9	-218.0	-113.9	0.00	0.00	0.00
3,800.0	7.47	236.40	3,782.6	-152.1	-228.8	-119.6	0.00	0.00	0.00
3,900.0	7.47	236.40	3,881.7	-159.3	-239.7	-125.2	0.00	0.00	0.00
4,000.0	7.47	236.40	3,980.9	-166.5	-250.5	-130.9	0.00	0.00	0.00
4,100.0	7.47	236.40	4,080.0	-173.7	-261.3	-136.5	0.00	0.00	0.00
4,200.0	7.47	236.40	4,179.2	-180.8	-272.2	-142.2	0.00	0.00	0.00
4,300.0	7.47	236.40	4,278.4	-188.0	-283.0	-147.8	0.00	0.00	0.00
4,400.0	7.47	236.40	4,377.5	-195.2	-293.8	-153.5	0.00	0.00	0.00
4,500.0	7.47	236.40	4,476.7	-202.4	-304.6	-159.2	0.00	0.00	0.00
4,600.0	7.47	236.40	4,575.8	-209.6	-315.5	-164.8	0.00	0.00	0.00
4,700.0	7.47	236.40	4,675.0	-216.8	-326.3	-170.5	0.00	0.00	0.00
4,800.0	7.47	236.40	4,774.1	-224.0	-337.1	-176.1	0.00	0.00	0.00
4,900.0	7.47	236.40	4,873.3	-231.2	-348.0	-181.8	0.00	0.00	0.00
5,000.0	7.47	236.40	4,972.4	-238.4	-358.8	-187.4	0.00	0.00	0.00
5,100.0	7.47	236.40	5,071.6	-245.6	-369.6	-193.1	0.00	0.00	0.00
5,200.0	7.47	236.40	5,170.7	-252.8	-380.4	-198.8	0.00	0.00	0.00

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Wellbore:	OH		
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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)
5,300.0	7.47	236.40	5,269.9	-260.0	-391.3	-204.4	0.00	0.00	0.00
5,400.0	7.47	236.40	5,369.0	-267.2	-402.1	-210.1	0.00	0.00	0.00
5,500.0	7.47	236.40	5,468.2	-274.4	-412.9	-215.7	0.00	0.00	0.00
5,600.0	7.47	236.40	5,567.3	-281.6	-423.7	-221.4	0.00	0.00	0.00
5,700.0	7.47	236.40	5,666.5	-288.8	-434.6	-227.0	0.00	0.00	0.00
5,800.0	7.47	236.40	5,765.6	-296.0	-445.4	-232.7	0.00	0.00	0.00
5,900.0	7.47	236.40	5,864.8	-303.2	-456.2	-238.4	0.00	0.00	0.00
6,000.0	7.47	236.40	5,963.9	-310.4	-467.1	-244.0	0.00	0.00	0.00
6,100.0	7.47	236.40	6,063.1	-317.5	-477.9	-249.7	0.00	0.00	0.00
6,200.0	7.47	236.40	6,162.2	-324.7	-488.7	-255.3	0.00	0.00	0.00
6,300.0	7.47	236.40	6,261.4	-331.9	-499.5	-261.0	0.00	0.00	0.00
6,400.0	7.47	236.40	6,360.5	-339.1	-510.4	-266.6	0.00	0.00	0.00
6,500.0	7.47	236.40	6,459.7	-346.3	-521.2	-272.3	0.00	0.00	0.00
6,600.0	7.47	236.40	6,558.8	-353.5	-532.0	-278.0	0.00	0.00	0.00
6,700.0	7.47	236.40	6,658.0	-360.7	-542.9	-283.6	0.00	0.00	0.00
6,800.0	7.47	236.40	6,757.1	-367.9	-553.7	-289.3	0.00	0.00	0.00
6,900.0	7.47	236.40	6,856.3	-375.1	-564.5	-294.9	0.00	0.00	0.00
7,000.0	7.47	236.40	6,955.4	-382.3	-575.3	-300.6	0.00	0.00	0.00
7,100.0	7.47	236.40	7,054.6	-389.5	-586.2	-306.2	0.00	0.00	0.00
7,142.3	7.47	236.40	7,096.6	-392.5	-590.8	-308.6	0.00	0.00	0.00
7,200.0	6.32	236.40	7,153.8	-396.4	-596.5	-311.6	2.00	-2.00	0.00
7,300.0	4.32	236.40	7,253.4	-401.5	-604.2	-315.7	2.00	-2.00	0.00
7,400.0	2.32	236.40	7,353.2	-404.7	-609.0	-318.2	2.00	-2.00	0.00
7,500.0	0.32	236.40	7,453.2	-406.0	-611.0	-319.2	2.00	-2.00	0.00
7,515.8	0.00	0.00	7,469.0	-406.0	-611.0	-319.2	2.00	-2.00	0.00
7,600.0	0.00	0.00	7,553.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
7,700.0	0.00	0.00	7,653.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,753.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,853.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,000.0	0.00	0.00	7,953.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,100.0	0.00	0.00	8,053.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,153.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,300.0	0.00	0.00	8,253.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,353.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,453.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,553.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,653.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,800.0	0.00	0.00	8,753.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,853.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,953.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
9,100.0	0.00	0.00	9,053.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,153.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,253.2	-406.0	-611.0	-319.2	0.00	0.00	0.00
9,403.8	0.00	0.00	9,357.0	-406.0	-611.0	-319.2	0.00	0.00	0.00
KOP (Yarrow 32 State #202H)									
9,425.0	2.54	359.59	9,378.2	-405.5	-611.0	-318.8	12.00	12.00	0.00
9,450.0	5.54	359.59	9,403.1	-403.8	-611.0	-317.0	12.00	12.00	0.00
9,475.0	8.54	359.59	9,427.9	-400.7	-611.0	-314.0	12.00	12.00	0.00
9,500.0	11.54	359.59	9,452.5	-396.3	-611.1	-309.6	12.00	12.00	0.00
9,525.0	14.54	359.59	9,476.9	-390.7	-611.1	-304.1	12.00	12.00	0.00
9,550.0	17.54	359.59	9,500.9	-383.8	-611.2	-297.2	12.00	12.00	0.00
9,575.0	20.54	359.59	9,524.5	-375.6	-611.2	-289.1	12.00	12.00	0.00
9,600.0	23.54	359.59	9,547.7	-366.3	-611.3	-279.8	12.00	12.00	0.00

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Site:	Yarrow 32 State	North Reference:	Grid
Well:	#202H	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)
9,625.0	26.54	359.59	9,570.3	-355.7	-611.4	-269.3	12.00	12.00	0.00
9,650.0	29.54	359.59	9,592.4	-343.9	-611.4	-257.7	12.00	12.00	0.00
9,675.0	32.54	359.59	9,613.8	-331.0	-611.5	-244.9	12.00	12.00	0.00
9,700.0	35.54	359.59	9,634.5	-317.1	-611.6	-231.0	12.00	12.00	0.00
9,725.0	38.54	359.59	9,654.5	-302.0	-611.7	-216.1	12.00	12.00	0.00
9,750.0	41.54	359.59	9,673.6	-285.9	-611.9	-200.1	12.00	12.00	0.00
9,775.0	44.54	359.59	9,691.9	-268.9	-612.0	-183.2	12.00	12.00	0.00
9,800.0	47.54	359.59	9,709.3	-250.9	-612.1	-165.4	12.00	12.00	0.00
9,802.7	47.86	359.59	9,711.1	-248.9	-612.1	-163.4	12.00	12.00	0.00
FTP (Yarrow 32 State #202H)									
9,825.0	50.54	359.59	9,725.6	-232.0	-612.3	-146.6	12.00	12.00	0.00
9,850.0	53.54	359.59	9,741.0	-212.3	-612.4	-127.1	12.00	12.00	0.00
9,875.0	56.54	359.59	9,755.3	-191.8	-612.5	-106.8	12.00	12.00	0.00
9,900.0	59.54	359.59	9,768.6	-170.6	-612.7	-85.8	12.00	12.00	0.00
9,925.0	62.54	359.59	9,780.7	-148.7	-612.9	-64.1	12.00	12.00	0.00
9,950.0	65.54	359.59	9,791.6	-126.2	-613.0	-41.8	12.00	12.00	0.00
9,975.0	68.54	359.59	9,801.4	-103.2	-613.2	-18.9	12.00	12.00	0.00
10,000.0	71.54	359.59	9,809.9	-79.7	-613.4	4.4	12.00	12.00	0.00
10,025.0	74.54	359.59	9,817.2	-55.8	-613.5	28.1	12.00	12.00	0.00
10,050.0	77.54	359.59	9,823.2	-31.6	-613.7	52.1	12.00	12.00	0.00
10,075.0	80.54	359.59	9,828.0	-7.0	-613.9	76.5	12.00	12.00	0.00
10,100.0	83.54	359.59	9,831.4	17.7	-614.1	101.0	12.00	12.00	0.00
10,125.0	86.54	359.59	9,833.6	42.6	-614.2	125.7	12.00	12.00	0.00
10,150.0	89.54	359.59	9,834.4	67.6	-614.4	150.5	12.00	12.00	0.00
10,153.8	90.00	359.59	9,834.5	71.4	-614.4	154.3	12.00	12.00	0.00
10,200.0	90.00	359.59	9,834.5	117.6	-614.8	200.1	0.00	0.00	0.00
10,300.0	90.00	359.59	9,834.5	217.6	-615.5	299.2	0.00	0.00	0.00
10,400.0	90.00	359.59	9,834.5	317.6	-616.2	398.4	0.00	0.00	0.00
10,500.0	90.00	359.59	9,834.5	417.6	-616.9	497.6	0.00	0.00	0.00
10,600.0	90.00	359.59	9,834.5	517.6	-617.7	596.7	0.00	0.00	0.00
10,700.0	90.00	359.59	9,834.5	617.6	-618.4	695.9	0.00	0.00	0.00
10,800.0	90.00	359.59	9,834.5	717.6	-619.1	795.1	0.00	0.00	0.00
10,900.0	90.00	359.59	9,834.5	817.6	-619.8	894.2	0.00	0.00	0.00
11,000.0	90.00	359.59	9,834.5	917.6	-620.5	993.4	0.00	0.00	0.00
11,100.0	90.00	359.59	9,834.5	1,017.6	-621.3	1,092.6	0.00	0.00	0.00
11,200.0	90.00	359.59	9,834.5	1,117.6	-622.0	1,191.7	0.00	0.00	0.00
11,300.0	90.00	359.59	9,834.5	1,217.6	-622.7	1,290.9	0.00	0.00	0.00
11,400.0	90.00	359.59	9,834.5	1,317.6	-623.4	1,390.1	0.00	0.00	0.00
11,500.0	90.00	359.59	9,834.5	1,417.6	-624.2	1,489.2	0.00	0.00	0.00
11,600.0	90.00	359.59	9,834.5	1,517.6	-624.9	1,588.4	0.00	0.00	0.00
11,700.0	90.00	359.59	9,834.5	1,617.6	-625.6	1,687.6	0.00	0.00	0.00
11,800.0	90.00	359.59	9,834.5	1,717.6	-626.3	1,786.8	0.00	0.00	0.00
11,900.0	90.00	359.59	9,834.5	1,817.6	-627.0	1,885.9	0.00	0.00	0.00
12,000.0	90.00	359.59	9,834.5	1,917.6	-627.8	1,985.1	0.00	0.00	0.00
12,100.0	90.00	359.59	9,834.5	2,017.6	-628.5	2,084.3	0.00	0.00	0.00
12,200.0	90.00	359.59	9,834.5	2,117.6	-629.2	2,183.4	0.00	0.00	0.00
12,300.0	90.00	359.59	9,834.5	2,217.6	-629.9	2,282.6	0.00	0.00	0.00
12,400.0	90.00	359.59	9,834.5	2,317.6	-630.6	2,381.8	0.00	0.00	0.00
12,500.0	90.00	359.59	9,834.5	2,417.6	-631.4	2,480.9	0.00	0.00	0.00
12,600.0	90.00	359.59	9,834.5	2,517.6	-632.1	2,580.1	0.00	0.00	0.00
12,700.0	90.00	359.59	9,834.5	2,617.6	-632.8	2,679.3	0.00	0.00	0.00
12,800.0	90.00	359.59	9,834.5	2,717.6	-633.5	2,778.4	0.00	0.00	0.00
12,900.0	90.00	359.59	9,834.5	2,817.6	-634.2	2,877.6	0.00	0.00	0.00
13,000.0	90.00	359.59	9,834.5	2,917.6	-635.0	2,976.8	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #202H
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:	#202H	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)	
13,100.0	90.00	359.59	9,834.5	3,017.5	-635.7	3,075.9	0.00	0.00	0.00	
13,200.0	90.00	359.59	9,834.5	3,117.5	-636.4	3,175.1	0.00	0.00	0.00	
13,300.0	90.00	359.59	9,834.5	3,217.5	-637.1	3,274.3	0.00	0.00	0.00	
13,400.0	90.00	359.59	9,834.5	3,317.5	-637.9	3,373.4	0.00	0.00	0.00	
13,500.0	90.00	359.59	9,834.5	3,417.5	-638.6	3,472.6	0.00	0.00	0.00	
13,600.0	90.00	359.59	9,834.5	3,517.5	-639.3	3,571.8	0.00	0.00	0.00	
13,700.0	90.00	359.59	9,834.5	3,617.5	-640.0	3,670.9	0.00	0.00	0.00	
13,800.0	90.00	359.59	9,834.5	3,717.5	-640.7	3,770.1	0.00	0.00	0.00	
13,900.0	90.00	359.59	9,834.5	3,817.5	-641.5	3,869.3	0.00	0.00	0.00	
14,000.0	90.00	359.59	9,834.5	3,917.5	-642.2	3,968.4	0.00	0.00	0.00	
14,100.0	90.00	359.59	9,834.5	4,017.5	-642.9	4,067.6	0.00	0.00	0.00	
14,200.0	90.00	359.59	9,834.5	4,117.5	-643.6	4,166.8	0.00	0.00	0.00	
14,300.0	90.00	359.59	9,834.5	4,217.5	-644.3	4,266.0	0.00	0.00	0.00	
14,400.0	90.00	359.59	9,834.5	4,317.5	-645.1	4,365.1	0.00	0.00	0.00	
14,500.0	90.00	359.59	9,834.5	4,417.5	-645.8	4,464.3	0.00	0.00	0.00	
14,600.0	90.00	359.59	9,834.5	4,517.5	-646.5	4,563.5	0.00	0.00	0.00	
14,700.0	90.00	359.59	9,834.5	4,617.5	-647.2	4,662.6	0.00	0.00	0.00	
14,807.5	90.00	359.59	9,834.5	4,725.0	-648.0	4,769.2	0.00	0.00	0.00	
PBHL (Yarrow 32 State #202H)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP (Yarrow 32 State #1) - hit/miss target - Shape - Point	0.00	0.00	9,357.0	-406.0	-611.0	456,959.00	771,310.00	32° 15' 14.635 N	103° 35' 21.870 W	
PBHL (Yarrow 32 State #2) - plan hits target center - Point	0.00	0.00	9,834.5	4,725.0	-648.0	462,090.00	771,273.00	32° 16' 5.410 N	103° 35' 21.887 W	
FTP (Yarrow 32 State #2) - plan misses target center by 163.4usft at 9802.7usft MD (9711.1 TVD, -248.9 N, -612.1 E) - Point	0.00	0.00	9,834.5	-356.0	-611.0	457,009.00	771,310.00	32° 15' 15.130 N	103° 35' 21.866 W	