



OCD - HOBBS
07/31/2019
RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Yarrow 32 State

#203H

OH

Plan: Plan #0.1

Standard Planning Report

29 July, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #203H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3697.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3697.0usft
Site:	Yarrow 32 State	North Reference:	Grid
Well:	#203H	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	#203H					
Well Position	+N/-S	56.0 usft	Northing:	457,360.00 usft	Latitude:	32° 15' 18.637 N
	+E/-W	-1,047.0 usft	Easting:	770,815.00 usft	Longitude:	103° 35' 27.602 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,672.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/25/2019	6.74	60.06	47,736.35574592

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	358.04

Plan Survey Tool Program	Date	7/29/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	14,583.0	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	
1,710.3	4.21	197.19	1,710.1	-7.4	-2.3	2.00	2.00	0.00	197.19	
7,265.0	4.21	197.19	7,249.9	-396.6	-122.7	0.00	0.00	0.00	0.00	
7,475.3	0.00	0.00	7,460.0	-404.0	-125.0	2.00	-2.00	0.00	180.00	
9,179.3	0.00	0.00	9,164.0	-404.0	-125.0	0.00	0.00	0.00	0.00	KOP (Yarrow 32 State)
9,929.3	90.00	359.59	9,641.5	73.4	-128.4	12.00	12.00	-0.06	359.59	
14,583.0	90.00	359.59	9,641.5	4,727.0	-162.0	0.00	0.00	0.00	0.00	PBHL (Yarrow 32 Stat)

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Site:	Yarrow 32 State	North Reference:	Grid
Well:	#203H	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	197.19	1,600.0	-1.7	-0.5	-1.6	2.00	2.00	0.00
1,700.0	4.00	197.19	1,699.8	-6.7	-2.1	-6.6	2.00	2.00	0.00
1,710.3	4.21	197.19	1,710.1	-7.4	-2.3	-7.3	2.00	2.00	0.00
1,800.0	4.21	197.19	1,799.6	-13.7	-4.2	-13.5	0.00	0.00	0.00
1,900.0	4.21	197.19	1,899.3	-20.7	-6.4	-20.4	0.00	0.00	0.00
2,000.0	4.21	197.19	1,999.0	-27.7	-8.6	-27.4	0.00	0.00	0.00
2,100.0	4.21	197.19	2,098.8	-34.7	-10.7	-34.3	0.00	0.00	0.00
2,200.0	4.21	197.19	2,198.5	-41.7	-12.9	-41.2	0.00	0.00	0.00
2,300.0	4.21	197.19	2,298.2	-48.7	-15.1	-48.2	0.00	0.00	0.00
2,400.0	4.21	197.19	2,398.0	-55.7	-17.2	-55.1	0.00	0.00	0.00
2,500.0	4.21	197.19	2,497.7	-62.7	-19.4	-62.0	0.00	0.00	0.00
2,600.0	4.21	197.19	2,597.4	-69.7	-21.6	-68.9	0.00	0.00	0.00
2,700.0	4.21	197.19	2,697.1	-76.7	-23.7	-75.9	0.00	0.00	0.00
2,800.0	4.21	197.19	2,796.9	-83.7	-25.9	-82.8	0.00	0.00	0.00
2,900.0	4.21	197.19	2,896.6	-90.7	-28.1	-89.7	0.00	0.00	0.00
3,000.0	4.21	197.19	2,996.3	-97.7	-30.2	-96.7	0.00	0.00	0.00
3,100.0	4.21	197.19	3,096.1	-104.8	-32.4	-103.6	0.00	0.00	0.00
3,200.0	4.21	197.19	3,195.8	-111.8	-34.6	-110.5	0.00	0.00	0.00
3,300.0	4.21	197.19	3,295.5	-118.8	-36.7	-117.4	0.00	0.00	0.00
3,400.0	4.21	197.19	3,395.3	-125.8	-38.9	-124.4	0.00	0.00	0.00
3,500.0	4.21	197.19	3,495.0	-132.8	-41.1	-131.3	0.00	0.00	0.00
3,600.0	4.21	197.19	3,594.7	-139.8	-43.3	-138.2	0.00	0.00	0.00
3,700.0	4.21	197.19	3,694.5	-146.8	-45.4	-145.2	0.00	0.00	0.00
3,800.0	4.21	197.19	3,794.2	-153.8	-47.6	-152.1	0.00	0.00	0.00
3,900.0	4.21	197.19	3,893.9	-160.8	-49.8	-159.0	0.00	0.00	0.00
4,000.0	4.21	197.19	3,993.6	-167.8	-51.9	-165.9	0.00	0.00	0.00
4,100.0	4.21	197.19	4,093.4	-174.8	-54.1	-172.9	0.00	0.00	0.00
4,200.0	4.21	197.19	4,193.1	-181.8	-56.3	-179.8	0.00	0.00	0.00
4,300.0	4.21	197.19	4,292.8	-188.8	-58.4	-186.7	0.00	0.00	0.00
4,400.0	4.21	197.19	4,392.6	-195.9	-60.6	-193.7	0.00	0.00	0.00
4,500.0	4.21	197.19	4,492.3	-202.9	-62.8	-200.6	0.00	0.00	0.00
4,600.0	4.21	197.19	4,592.0	-209.9	-64.9	-207.5	0.00	0.00	0.00
4,700.0	4.21	197.19	4,691.8	-216.9	-67.1	-214.5	0.00	0.00	0.00
4,800.0	4.21	197.19	4,791.5	-223.9	-69.3	-221.4	0.00	0.00	0.00
4,900.0	4.21	197.19	4,891.2	-230.9	-71.4	-228.3	0.00	0.00	0.00
5,000.0	4.21	197.19	4,990.9	-237.9	-73.6	-235.2	0.00	0.00	0.00
5,100.0	4.21	197.19	5,090.7	-244.9	-75.8	-242.2	0.00	0.00	0.00
5,200.0	4.21	197.19	5,190.4	-251.9	-77.9	-249.1	0.00	0.00	0.00

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Site:	Yarrow 32 State	North Reference:	Grid
Well:	#203H	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)
5,300.0	4.21	197.19	5,290.1	-258.9	-80.1	-256.0	0.00	0.00	0.00
5,400.0	4.21	197.19	5,389.9	-265.9	-82.3	-263.0	0.00	0.00	0.00
5,500.0	4.21	197.19	5,489.6	-272.9	-84.4	-269.9	0.00	0.00	0.00
5,600.0	4.21	197.19	5,589.3	-279.9	-86.6	-276.8	0.00	0.00	0.00
5,700.0	4.21	197.19	5,689.1	-287.0	-88.8	-283.7	0.00	0.00	0.00
5,800.0	4.21	197.19	5,788.8	-294.0	-91.0	-290.7	0.00	0.00	0.00
5,900.0	4.21	197.19	5,888.5	-301.0	-93.1	-297.6	0.00	0.00	0.00
6,000.0	4.21	197.19	5,988.3	-308.0	-95.3	-304.5	0.00	0.00	0.00
6,100.0	4.21	197.19	6,088.0	-315.0	-97.5	-311.5	0.00	0.00	0.00
6,200.0	4.21	197.19	6,187.7	-322.0	-99.6	-318.4	0.00	0.00	0.00
6,300.0	4.21	197.19	6,287.4	-329.0	-101.8	-325.3	0.00	0.00	0.00
6,400.0	4.21	197.19	6,387.2	-336.0	-104.0	-332.3	0.00	0.00	0.00
6,500.0	4.21	197.19	6,486.9	-343.0	-106.1	-339.2	0.00	0.00	0.00
6,600.0	4.21	197.19	6,586.6	-350.0	-108.3	-346.1	0.00	0.00	0.00
6,700.0	4.21	197.19	6,686.4	-357.0	-110.5	-353.0	0.00	0.00	0.00
6,800.0	4.21	197.19	6,786.1	-364.0	-112.6	-360.0	0.00	0.00	0.00
6,900.0	4.21	197.19	6,885.8	-371.0	-114.8	-366.9	0.00	0.00	0.00
7,000.0	4.21	197.19	6,985.6	-378.1	-117.0	-373.8	0.00	0.00	0.00
7,100.0	4.21	197.19	7,085.3	-385.1	-119.1	-380.8	0.00	0.00	0.00
7,200.0	4.21	197.19	7,185.0	-392.1	-121.3	-387.7	0.00	0.00	0.00
7,265.0	4.21	197.19	7,249.9	-396.6	-122.7	-392.2	0.00	0.00	0.00
7,300.0	3.51	197.19	7,284.8	-398.9	-123.4	-394.4	2.00	-2.00	0.00
7,400.0	1.51	197.19	7,384.7	-403.1	-124.7	-398.5	2.00	-2.00	0.00
7,475.3	0.00	0.00	7,460.0	-404.0	-125.0	-399.5	2.00	-2.00	0.00
7,500.0	0.00	0.00	7,484.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,584.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,684.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,784.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,884.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,984.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,100.0	0.00	0.00	8,084.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,184.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,284.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,384.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,484.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,584.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,684.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,784.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
8,900.0	0.00	0.00	8,884.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,984.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
9,100.0	0.00	0.00	9,084.7	-404.0	-125.0	-399.5	0.00	0.00	0.00
9,179.3	0.00	0.00	9,164.0	-404.0	-125.0	-399.5	0.00	0.00	0.00
KOP (Yarrow 32 State #203H)									
9,200.0	2.48	359.59	9,184.7	-403.6	-125.0	-399.0	12.00	12.00	0.00
9,225.0	5.48	359.59	9,209.6	-401.8	-125.0	-397.3	12.00	12.00	0.00
9,250.0	8.48	359.59	9,234.4	-398.8	-125.0	-394.3	12.00	12.00	0.00
9,275.0	11.48	359.59	9,259.0	-394.5	-125.1	-389.9	12.00	12.00	0.00
9,300.0	14.48	359.59	9,283.4	-388.8	-125.1	-384.3	12.00	12.00	0.00
9,325.0	17.48	359.59	9,307.4	-382.0	-125.2	-377.4	12.00	12.00	0.00
9,350.0	20.48	359.59	9,331.0	-373.8	-125.2	-369.3	12.00	12.00	0.00
9,375.0	23.48	359.59	9,354.2	-364.5	-125.3	-360.0	12.00	12.00	0.00
9,400.0	26.48	359.59	9,376.9	-353.9	-125.4	-349.4	12.00	12.00	0.00
9,425.0	29.48	359.59	9,399.0	-342.2	-125.4	-337.7	12.00	12.00	0.00

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Site:	Yarrow 32 State	North Reference:	Grid
Well:	#203H	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)
9,450.0	32.48	359.59	9,420.4	-329.3	-125.5	-324.8	12.00	12.00	0.00
9,475.0	35.48	359.59	9,441.1	-315.4	-125.6	-310.9	12.00	12.00	0.00
9,500.0	38.48	359.59	9,461.1	-300.3	-125.7	-295.8	12.00	12.00	0.00
9,525.0	41.48	359.59	9,480.2	-284.3	-125.9	-279.8	12.00	12.00	0.00
9,550.0	44.48	359.59	9,498.5	-267.2	-126.0	-262.7	12.00	12.00	0.00
9,575.0	47.48	359.59	9,515.9	-249.2	-126.1	-244.8	12.00	12.00	0.00
9,578.4	47.89	359.59	9,518.2	-246.7	-126.1	-242.3	12.00	12.00	0.00
FTP (Yarrow 32 State #203H)									
9,600.0	50.48	359.59	9,532.3	-230.4	-126.3	-225.9	12.00	12.00	0.00
9,625.0	53.48	359.59	9,547.7	-210.7	-126.4	-206.2	12.00	12.00	0.00
9,650.0	56.48	359.59	9,562.1	-190.2	-126.5	-185.8	12.00	12.00	0.00
9,675.0	59.48	359.59	9,575.3	-169.0	-126.7	-164.6	12.00	12.00	0.00
9,700.0	62.48	359.59	9,587.4	-147.2	-126.9	-142.7	12.00	12.00	0.00
9,725.0	65.48	359.59	9,598.4	-124.7	-127.0	-120.3	12.00	12.00	0.00
9,750.0	68.48	359.59	9,608.2	-101.7	-127.2	-97.3	12.00	12.00	0.00
9,775.0	71.48	359.59	9,616.7	-78.2	-127.3	-73.8	12.00	12.00	0.00
9,800.0	74.48	359.59	9,624.1	-54.3	-127.5	-49.9	12.00	12.00	0.00
9,825.0	77.48	359.59	9,630.1	-30.1	-127.7	-25.7	12.00	12.00	0.00
9,850.0	80.48	359.59	9,634.9	-5.5	-127.9	-1.1	12.00	12.00	0.00
9,875.0	83.48	359.59	9,638.4	19.2	-128.1	23.6	12.00	12.00	0.00
9,900.0	86.48	359.59	9,640.6	44.1	-128.2	48.5	12.00	12.00	0.00
9,925.0	89.48	359.59	9,641.4	69.1	-128.4	73.5	12.00	12.00	0.00
9,929.3	90.00	359.59	9,641.5	73.4	-128.4	77.8	12.00	12.00	0.00
10,000.0	90.00	359.59	9,641.5	144.1	-129.0	148.4	0.00	0.00	0.00
10,100.0	90.00	359.59	9,641.5	244.1	-129.7	248.4	0.00	0.00	0.00
10,200.0	90.00	359.59	9,641.5	344.1	-130.4	348.4	0.00	0.00	0.00
10,300.0	90.00	359.59	9,641.5	444.1	-131.1	448.3	0.00	0.00	0.00
10,400.0	90.00	359.59	9,641.5	544.1	-131.8	548.3	0.00	0.00	0.00
10,500.0	90.00	359.59	9,641.5	644.1	-132.6	648.3	0.00	0.00	0.00
10,600.0	90.00	359.59	9,641.5	744.1	-133.3	748.2	0.00	0.00	0.00
10,700.0	90.00	359.59	9,641.5	844.1	-134.0	848.2	0.00	0.00	0.00
10,800.0	90.00	359.59	9,641.5	944.1	-134.7	948.1	0.00	0.00	0.00
10,900.0	90.00	359.59	9,641.5	1,044.1	-135.4	1,048.1	0.00	0.00	0.00
11,000.0	90.00	359.59	9,641.5	1,144.1	-136.2	1,148.1	0.00	0.00	0.00
11,100.0	90.00	359.59	9,641.5	1,244.1	-136.9	1,248.0	0.00	0.00	0.00
11,200.0	90.00	359.59	9,641.5	1,344.1	-137.6	1,348.0	0.00	0.00	0.00
11,300.0	90.00	359.59	9,641.5	1,444.1	-138.3	1,448.0	0.00	0.00	0.00
11,400.0	90.00	359.59	9,641.5	1,544.1	-139.0	1,547.9	0.00	0.00	0.00
11,500.0	90.00	359.59	9,641.5	1,644.1	-139.8	1,647.9	0.00	0.00	0.00
11,600.0	90.00	359.59	9,641.5	1,744.1	-140.5	1,747.9	0.00	0.00	0.00
11,700.0	90.00	359.59	9,641.5	1,844.1	-141.2	1,847.8	0.00	0.00	0.00
11,800.0	90.00	359.59	9,641.5	1,944.1	-141.9	1,947.8	0.00	0.00	0.00
11,900.0	90.00	359.59	9,641.5	2,044.1	-142.7	2,047.7	0.00	0.00	0.00
12,000.0	90.00	359.59	9,641.5	2,144.1	-143.4	2,147.7	0.00	0.00	0.00
12,100.0	90.00	359.59	9,641.5	2,244.1	-144.1	2,247.7	0.00	0.00	0.00
12,200.0	90.00	359.59	9,641.5	2,344.1	-144.8	2,347.6	0.00	0.00	0.00
12,300.0	90.00	359.59	9,641.5	2,444.0	-145.5	2,447.6	0.00	0.00	0.00
12,400.0	90.00	359.59	9,641.5	2,544.0	-146.3	2,547.6	0.00	0.00	0.00
12,500.0	90.00	359.59	9,641.5	2,644.0	-147.0	2,647.5	0.00	0.00	0.00
12,600.0	90.00	359.59	9,641.5	2,744.0	-147.7	2,747.5	0.00	0.00	0.00
12,700.0	90.00	359.59	9,641.5	2,844.0	-148.4	2,847.5	0.00	0.00	0.00
12,800.0	90.00	359.59	9,641.5	2,944.0	-149.1	2,947.4	0.00	0.00	0.00
12,900.0	90.00	359.59	9,641.5	3,044.0	-149.9	3,047.4	0.00	0.00	0.00
13,000.0	90.00	359.59	9,641.5	3,144.0	-150.6	3,147.3	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #203H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3697.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3697.0usft
Site:	Yarrow 32 State	North Reference:	Grid
Well:	#203H	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	9,641.5	3,244.0	-151.3	3,247.3	0.00	0.00	0.00	
13,200.0	90.00	359.59	9,641.5	3,344.0	-152.0	3,347.3	0.00	0.00	0.00	
13,300.0	90.00	359.59	9,641.5	3,444.0	-152.7	3,447.2	0.00	0.00	0.00	
13,400.0	90.00	359.59	9,641.5	3,544.0	-153.5	3,547.2	0.00	0.00	0.00	
13,500.0	90.00	359.59	9,641.5	3,644.0	-154.2	3,647.2	0.00	0.00	0.00	
13,600.0	90.00	359.59	9,641.5	3,744.0	-154.9	3,747.1	0.00	0.00	0.00	
13,700.0	90.00	359.59	9,641.5	3,844.0	-155.6	3,847.1	0.00	0.00	0.00	
13,800.0	90.00	359.59	9,641.5	3,944.0	-156.4	3,947.1	0.00	0.00	0.00	
13,900.0	90.00	359.59	9,641.5	4,044.0	-157.1	4,047.0	0.00	0.00	0.00	
14,000.0	90.00	359.59	9,641.5	4,144.0	-157.8	4,147.0	0.00	0.00	0.00	
14,100.0	90.00	359.59	9,641.5	4,244.0	-158.5	4,246.9	0.00	0.00	0.00	
14,200.0	90.00	359.59	9,641.5	4,344.0	-159.2	4,346.9	0.00	0.00	0.00	
14,300.0	90.00	359.59	9,641.5	4,444.0	-160.0	4,446.9	0.00	0.00	0.00	
14,400.0	90.00	359.59	9,641.5	4,544.0	-160.7	4,546.8	0.00	0.00	0.00	
14,500.0	90.00	359.59	9,641.5	4,644.0	-161.4	4,646.8	0.00	0.00	0.00	
14,583.0	90.00	359.59	9,641.5	4,727.0	-162.0	4,729.8	0.00	0.00	0.00	
PBHL (Yarrow 32 State #203H)										

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	9,164.0	-404.0	-125.0	456,956.00	770,690.00	32° 15' 14.648 N		103° 35' 29.090 W
PBHL (Yarrow 32 State #2 - plan hits target center - Point	0.00	0.00	9,641.5	4,727.0	-162.0	462,087.00	770,653.00	32° 16' 5.422 N		103° 35' 29.108 W
FTP (Yarrow 32 State #3 - plan misses target center by 163.4usft at 9578.4usft MD (9518.2 TVD, -246.7 N, -126.1 E) - Point	0.00	0.00	9,641.5	-354.0	-125.0	457,006.00	770,690.00	32° 15' 15.142 N		103° 35' 29.086 W