



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Hearns 34 State

#406H

OH

Plan: Plan #0.1

Standard Planning Report

11 February, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #406H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3510.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3510.0usft
Site:	Hearns 34 State	North Reference:	Grid
Well:	#406H	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	Hearns 34 State		
Site Position:		Northing:	425,605.00 usft
From:	Map	Easting:	782,931.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 3.565 N
		Longitude:	103° 33' 9.201 W
		Grid Convergence:	0.42 °

Well	#406H		
Well Position	+N-S	0.0 usft	Northing: 425,605.00 usft
	+E-W	33.0 usft	Easting: 782,964.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 10' 3.563 N
			Longitude: 103° 33' 8.817 W
			Ground Level: 3,485.0 usft

Wellbore	OH		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/5/2019	6.76	59.99	47,737.83301131

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)
	0.0	0.0	0.0
			Direction (°)
			358.54

Plan Survey Tool Program	Date 2/11/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	15,469.7 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	
1,586.2	1.72	168.91	1,586.2	-1.3	0.2	2.00	2.00	0.00	168.91	
9,967.1	1.72	168.91	9,963.3	-248.7	48.8	0.00	0.00	0.00	0.00	
10,053.3	0.00	0.00	10,049.5	-250.0	49.0	2.00	-2.00	0.00	180.00	
10,803.3	90.00	348.25	10,527.0	217.5	-48.2	12.00	12.00	0.00	348.25	
11,179.0	90.00	359.52	10,527.0	590.4	-88.2	3.00	0.00	3.00	90.00	
15,469.7	90.00	359.52	10,527.0	4,881.0	-124.0	0.00	0.00	0.00	0.00	PBHL(Hearns 34 Stat

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Site:	Hearns 34 State	North Reference:	Grid
Well:	#406H	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
1,586.2	1.72	168.91	1,586.2	-1.3	0.2	-1.3	2.00	2.00	0.00
1,600.0	1.72	168.91	1,600.0	-1.7	0.3	-1.7	0.00	0.00	0.00
1,700.0	1.72	168.91	1,699.9	-4.6	0.9	-4.7	0.00	0.00	0.00
1,800.0	1.72	168.91	1,799.9	-7.6	1.5	-7.6	0.00	0.00	0.00
1,900.0	1.72	168.91	1,899.8	-10.5	2.1	-10.6	0.00	0.00	0.00
2,000.0	1.72	168.91	1,999.8	-13.5	2.6	-13.6	0.00	0.00	0.00
2,100.0	1.72	168.91	2,099.8	-16.4	3.2	-16.5	0.00	0.00	0.00
2,200.0	1.72	168.91	2,199.7	-19.4	3.8	-19.5	0.00	0.00	0.00
2,300.0	1.72	168.91	2,299.7	-22.3	4.4	-22.5	0.00	0.00	0.00
2,400.0	1.72	168.91	2,399.6	-25.3	5.0	-25.4	0.00	0.00	0.00
2,500.0	1.72	168.91	2,499.6	-28.3	5.5	-28.4	0.00	0.00	0.00
2,600.0	1.72	168.91	2,599.5	-31.2	6.1	-31.4	0.00	0.00	0.00
2,700.0	1.72	168.91	2,699.5	-34.2	6.7	-34.3	0.00	0.00	0.00
2,800.0	1.72	168.91	2,799.4	-37.1	7.3	-37.3	0.00	0.00	0.00
2,900.0	1.72	168.91	2,899.4	-40.1	7.9	-40.3	0.00	0.00	0.00
3,000.0	1.72	168.91	2,999.3	-43.0	8.4	-43.2	0.00	0.00	0.00
3,100.0	1.72	168.91	3,099.3	-46.0	9.0	-46.2	0.00	0.00	0.00
3,200.0	1.72	168.91	3,199.3	-48.9	9.6	-49.1	0.00	0.00	0.00
3,300.0	1.72	168.91	3,299.2	-51.9	10.2	-52.1	0.00	0.00	0.00
3,400.0	1.72	168.91	3,399.2	-54.8	10.7	-55.1	0.00	0.00	0.00
3,500.0	1.72	168.91	3,499.1	-57.8	11.3	-58.0	0.00	0.00	0.00
3,600.0	1.72	168.91	3,599.1	-60.7	11.9	-61.0	0.00	0.00	0.00
3,700.0	1.72	168.91	3,699.0	-63.7	12.5	-64.0	0.00	0.00	0.00
3,800.0	1.72	168.91	3,799.0	-66.6	13.1	-66.9	0.00	0.00	0.00
3,900.0	1.72	168.91	3,898.9	-69.6	13.6	-69.9	0.00	0.00	0.00
4,000.0	1.72	168.91	3,998.9	-72.5	14.2	-72.9	0.00	0.00	0.00
4,100.0	1.72	168.91	4,098.8	-75.5	14.8	-75.8	0.00	0.00	0.00
4,200.0	1.72	168.91	4,198.8	-78.4	15.4	-78.8	0.00	0.00	0.00
4,300.0	1.72	168.91	4,298.8	-81.4	16.0	-81.8	0.00	0.00	0.00
4,400.0	1.72	168.91	4,398.7	-84.4	16.5	-84.7	0.00	0.00	0.00
4,500.0	1.72	168.91	4,498.7	-87.3	17.1	-87.7	0.00	0.00	0.00
4,600.0	1.72	168.91	4,598.6	-90.3	17.7	-90.7	0.00	0.00	0.00
4,700.0	1.72	168.91	4,698.6	-93.2	18.3	-93.6	0.00	0.00	0.00
4,800.0	1.72	168.91	4,798.5	-96.2	18.8	-96.6	0.00	0.00	0.00
4,900.0	1.72	168.91	4,898.5	-99.1	19.4	-99.6	0.00	0.00	0.00
5,000.0	1.72	168.91	4,998.4	-102.1	20.0	-102.5	0.00	0.00	0.00
5,100.0	1.72	168.91	5,098.4	-105.0	20.6	-105.5	0.00	0.00	0.00
5,200.0	1.72	168.91	5,198.4	-108.0	21.2	-108.5	0.00	0.00	0.00

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Site:	Hearns 34 State	North Reference:	Grid
Well:	#406H	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	1.72	168.91	5,298.3	-110.9	21.7	-111.4	0.00	0.00	0.00
5,400.0	1.72	168.91	5,398.3	-113.9	22.3	-114.4	0.00	0.00	0.00
5,500.0	1.72	168.91	5,498.2	-116.8	22.9	-117.4	0.00	0.00	0.00
5,600.0	1.72	168.91	5,598.2	-119.8	23.5	-120.3	0.00	0.00	0.00
5,700.0	1.72	168.91	5,698.1	-122.7	24.1	-123.3	0.00	0.00	0.00
5,800.0	1.72	168.91	5,798.1	-125.7	24.6	-126.3	0.00	0.00	0.00
5,900.0	1.72	168.91	5,898.0	-128.6	25.2	-129.2	0.00	0.00	0.00
6,000.0	1.72	168.91	5,998.0	-131.6	25.8	-132.2	0.00	0.00	0.00
6,100.0	1.72	168.91	6,097.9	-134.5	26.4	-135.2	0.00	0.00	0.00
6,200.0	1.72	168.91	6,197.9	-137.5	26.9	-138.1	0.00	0.00	0.00
6,300.0	1.72	168.91	6,297.9	-140.5	27.5	-141.1	0.00	0.00	0.00
6,400.0	1.72	168.91	6,397.8	-143.4	28.1	-144.1	0.00	0.00	0.00
6,500.0	1.72	168.91	6,497.8	-146.4	28.7	-147.0	0.00	0.00	0.00
6,600.0	1.72	168.91	6,597.7	-149.3	29.3	-150.0	0.00	0.00	0.00
6,700.0	1.72	168.91	6,697.7	-152.3	29.8	-153.0	0.00	0.00	0.00
6,800.0	1.72	168.91	6,797.6	-155.2	30.4	-155.9	0.00	0.00	0.00
6,900.0	1.72	168.91	6,897.6	-158.2	31.0	-158.9	0.00	0.00	0.00
7,000.0	1.72	168.91	6,997.5	-161.1	31.6	-161.9	0.00	0.00	0.00
7,100.0	1.72	168.91	7,097.5	-164.1	32.2	-164.8	0.00	0.00	0.00
7,200.0	1.72	168.91	7,197.4	-167.0	32.7	-167.8	0.00	0.00	0.00
7,300.0	1.72	168.91	7,297.4	-170.0	33.3	-170.8	0.00	0.00	0.00
7,400.0	1.72	168.91	7,397.4	-172.9	33.9	-173.7	0.00	0.00	0.00
7,500.0	1.72	168.91	7,497.3	-175.9	34.5	-176.7	0.00	0.00	0.00
7,600.0	1.72	168.91	7,597.3	-178.8	35.1	-179.7	0.00	0.00	0.00
7,700.0	1.72	168.91	7,697.2	-181.8	35.6	-182.6	0.00	0.00	0.00
7,800.0	1.72	168.91	7,797.2	-184.7	36.2	-185.6	0.00	0.00	0.00
7,900.0	1.72	168.91	7,897.1	-187.7	36.8	-188.6	0.00	0.00	0.00
8,000.0	1.72	168.91	7,997.1	-190.6	37.4	-191.5	0.00	0.00	0.00
8,100.0	1.72	168.91	8,097.0	-193.6	37.9	-194.5	0.00	0.00	0.00
8,200.0	1.72	168.91	8,197.0	-196.6	38.5	-197.5	0.00	0.00	0.00
8,300.0	1.72	168.91	8,296.9	-199.5	39.1	-200.4	0.00	0.00	0.00
8,400.0	1.72	168.91	8,396.9	-202.5	39.7	-203.4	0.00	0.00	0.00
8,500.0	1.72	168.91	8,496.9	-205.4	40.3	-206.4	0.00	0.00	0.00
8,600.0	1.72	168.91	8,596.8	-208.4	40.8	-209.3	0.00	0.00	0.00
8,700.0	1.72	168.91	8,696.8	-211.3	41.4	-212.3	0.00	0.00	0.00
8,800.0	1.72	168.91	8,796.7	-214.3	42.0	-215.3	0.00	0.00	0.00
8,900.0	1.72	168.91	8,896.7	-217.2	42.6	-218.2	0.00	0.00	0.00
9,000.0	1.72	168.91	8,996.6	-220.2	43.2	-221.2	0.00	0.00	0.00
9,100.0	1.72	168.91	9,096.6	-223.1	43.7	-224.2	0.00	0.00	0.00
9,200.0	1.72	168.91	9,196.5	-226.1	44.3	-227.1	0.00	0.00	0.00
9,300.0	1.72	168.91	9,296.5	-229.0	44.9	-230.1	0.00	0.00	0.00
9,400.0	1.72	168.91	9,396.4	-232.0	45.5	-233.1	0.00	0.00	0.00
9,500.0	1.72	168.91	9,496.4	-234.9	46.0	-236.0	0.00	0.00	0.00
9,600.0	1.72	168.91	9,596.4	-237.9	46.6	-239.0	0.00	0.00	0.00
9,700.0	1.72	168.91	9,696.3	-240.8	47.2	-242.0	0.00	0.00	0.00
9,800.0	1.72	168.91	9,796.3	-243.8	47.8	-244.9	0.00	0.00	0.00
9,900.0	1.72	168.91	9,896.2	-246.7	48.4	-247.9	0.00	0.00	0.00
9,967.1	1.72	168.91	9,963.3	-248.7	48.8	-249.9	0.00	0.00	0.00
10,000.0	1.07	168.91	9,996.2	-249.5	48.9	-250.7	2.00	-2.00	0.00
10,053.3	0.00	0.00	10,049.5	-250.0	49.0	-251.2	2.00	-2.00	0.00
10,053.9	0.07	348.25	10,050.1	-250.0	49.0	-251.2	12.00	12.00	0.00
KOP(Hearns 34 State #406H)									
10,075.0	2.60	348.25	10,071.2	-249.5	48.9	-250.7	12.00	12.00	0.00

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Site:	Hearns 34 State	North Reference:	Grid
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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)
10,100.0	5.60	348.25	10,096.1	-247.8	48.5	-248.9	12.00	12.00	0.00
10,125.0	8.60	348.25	10,120.9	-244.7	47.9	-245.9	12.00	12.00	0.00
10,150.0	11.60	348.25	10,145.5	-240.4	47.0	-241.6	12.00	12.00	0.00
10,175.0	14.60	348.25	10,169.9	-234.9	45.9	-236.0	12.00	12.00	0.00
10,200.0	17.60	348.25	10,193.9	-228.1	44.4	-229.2	12.00	12.00	0.00
10,225.0	20.60	348.25	10,217.5	-220.1	42.8	-221.1	12.00	12.00	0.00
10,250.0	23.60	348.25	10,240.7	-210.9	40.9	-211.9	12.00	12.00	0.00
10,275.0	26.60	348.25	10,263.3	-200.5	38.7	-201.4	12.00	12.00	0.00
10,300.0	29.60	348.25	10,285.4	-189.0	36.3	-189.8	12.00	12.00	0.00
10,325.0	32.60	348.25	10,306.8	-176.3	33.7	-177.1	12.00	12.00	0.00
10,350.0	35.60	348.25	10,327.5	-162.6	30.8	-163.4	12.00	12.00	0.00
10,375.0	38.60	348.25	10,347.4	-147.9	27.8	-148.5	12.00	12.00	0.00
10,400.0	41.60	348.25	10,366.5	-132.1	24.5	-132.7	12.00	12.00	0.00
10,425.0	44.60	348.25	10,384.8	-115.4	21.0	-115.9	12.00	12.00	0.00
10,450.0	47.60	348.25	10,402.1	-97.7	17.3	-98.1	12.00	12.00	0.00
10,471.2	50.15	348.25	10,416.1	-82.1	14.1	-82.4	12.00	12.00	0.00
FTP(Hearns 34 State #406H)									
10,475.0	50.60	348.25	10,418.5	-79.2	13.5	-79.6	12.00	12.00	0.00
10,500.0	53.60	348.25	10,433.8	-59.9	9.5	-60.2	12.00	12.00	0.00
10,525.0	56.60	348.25	10,448.1	-39.9	5.3	-40.0	12.00	12.00	0.00
10,550.0	59.60	348.25	10,461.3	-19.1	1.0	-19.1	12.00	12.00	0.00
10,575.0	62.60	348.25	10,473.4	2.3	-3.5	2.4	12.00	12.00	0.00
10,600.0	65.60	348.25	10,484.3	24.4	-8.1	24.6	12.00	12.00	0.00
10,625.0	68.60	348.25	10,494.1	46.9	-12.8	47.2	12.00	12.00	0.00
10,650.0	71.60	348.25	10,502.6	69.9	-17.5	70.3	12.00	12.00	0.00
10,675.0	74.60	348.25	10,509.8	93.3	-22.4	93.9	12.00	12.00	0.00
10,700.0	77.60	348.25	10,515.8	117.1	-27.4	117.7	12.00	12.00	0.00
10,725.0	80.60	348.25	10,520.6	141.1	-32.4	141.9	12.00	12.00	0.00
10,750.0	83.60	348.25	10,524.0	165.4	-37.4	166.3	12.00	12.00	0.00
10,775.0	86.60	348.25	10,526.1	189.7	-42.5	190.8	12.00	12.00	0.00
10,800.0	89.60	348.25	10,527.0	214.2	-47.6	215.3	12.00	12.00	0.00
10,803.3	90.00	348.25	10,527.0	217.5	-48.2	218.6	12.00	12.00	0.00
10,900.0	90.00	351.15	10,527.0	312.6	-65.5	314.1	3.00	0.00	3.00
11,000.0	90.00	354.15	10,527.0	411.7	-78.3	413.6	3.00	0.00	3.00
11,100.0	90.00	357.15	10,527.0	511.4	-85.9	513.5	3.00	0.00	3.00
11,179.0	90.00	359.52	10,527.0	590.4	-88.2	592.5	3.00	0.00	3.00
11,200.0	90.00	359.52	10,527.0	611.4	-88.4	613.4	0.00	0.00	0.00
11,300.0	90.00	359.52	10,527.0	711.4	-89.2	713.4	0.00	0.00	0.00
11,400.0	90.00	359.52	10,527.0	811.4	-90.0	813.4	0.00	0.00	0.00
11,500.0	90.00	359.52	10,527.0	911.4	-90.9	913.4	0.00	0.00	0.00
11,600.0	90.00	359.52	10,527.0	1,011.4	-91.7	1,013.4	0.00	0.00	0.00
11,700.0	90.00	359.52	10,527.0	1,111.4	-92.5	1,113.4	0.00	0.00	0.00
11,800.0	90.00	359.52	10,527.0	1,211.4	-93.4	1,213.4	0.00	0.00	0.00
11,900.0	90.00	359.52	10,527.0	1,311.4	-94.2	1,313.3	0.00	0.00	0.00
12,000.0	90.00	359.52	10,527.0	1,411.4	-95.0	1,413.3	0.00	0.00	0.00
12,100.0	90.00	359.52	10,527.0	1,511.4	-95.9	1,513.3	0.00	0.00	0.00
12,200.0	90.00	359.52	10,527.0	1,611.4	-96.7	1,613.3	0.00	0.00	0.00
12,300.0	90.00	359.52	10,527.0	1,711.4	-97.5	1,713.3	0.00	0.00	0.00
12,400.0	90.00	359.52	10,527.0	1,811.4	-98.4	1,813.3	0.00	0.00	0.00
12,500.0	90.00	359.52	10,527.0	1,911.4	-99.2	1,913.3	0.00	0.00	0.00
12,600.0	90.00	359.52	10,527.0	2,011.4	-100.0	2,013.2	0.00	0.00	0.00
12,700.0	90.00	359.52	10,527.0	2,111.3	-100.9	2,113.2	0.00	0.00	0.00
12,800.0	90.00	359.52	10,527.0	2,211.3	-101.7	2,213.2	0.00	0.00	0.00
12,900.0	90.00	359.52	10,527.0	2,311.3	-102.6	2,313.2	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #406H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3510.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3510.0usft
Site:	Hearns 34 State	North Reference:	Grid
Well:	#406H	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)
13,000.0	90.00	359.52	10,527.0	2,411.3	-103.4	2,413.2	0.00	0.00	0.00
13,100.0	90.00	359.52	10,527.0	2,511.3	-104.2	2,513.2	0.00	0.00	0.00
13,200.0	90.00	359.52	10,527.0	2,611.3	-105.1	2,613.2	0.00	0.00	0.00
13,300.0	90.00	359.52	10,527.0	2,711.3	-105.9	2,713.1	0.00	0.00	0.00
13,400.0	90.00	359.52	10,527.0	2,811.3	-106.7	2,813.1	0.00	0.00	0.00
13,500.0	90.00	359.52	10,527.0	2,911.3	-107.6	2,913.1	0.00	0.00	0.00
13,600.0	90.00	359.52	10,527.0	3,011.3	-108.4	3,013.1	0.00	0.00	0.00
13,700.0	90.00	359.52	10,527.0	3,111.3	-109.2	3,113.1	0.00	0.00	0.00
13,800.0	90.00	359.52	10,527.0	3,211.3	-110.1	3,213.1	0.00	0.00	0.00
13,900.0	90.00	359.52	10,527.0	3,311.3	-110.9	3,313.1	0.00	0.00	0.00
14,000.0	90.00	359.52	10,527.0	3,411.3	-111.7	3,413.0	0.00	0.00	0.00
14,100.0	90.00	359.52	10,527.0	3,511.3	-112.6	3,513.0	0.00	0.00	0.00
14,200.0	90.00	359.52	10,527.0	3,611.3	-113.4	3,613.0	0.00	0.00	0.00
14,300.0	90.00	359.52	10,527.0	3,711.3	-114.2	3,713.0	0.00	0.00	0.00
14,400.0	90.00	359.52	10,527.0	3,811.3	-115.1	3,813.0	0.00	0.00	0.00
14,500.0	90.00	359.52	10,527.0	3,911.3	-115.9	3,913.0	0.00	0.00	0.00
14,600.0	90.00	359.52	10,527.0	4,011.3	-116.7	4,013.0	0.00	0.00	0.00
14,700.0	90.00	359.52	10,527.0	4,111.3	-117.6	4,112.9	0.00	0.00	0.00
14,800.0	90.00	359.52	10,527.0	4,211.3	-118.4	4,212.9	0.00	0.00	0.00
14,900.0	90.00	359.52	10,527.0	4,311.3	-119.2	4,312.9	0.00	0.00	0.00
15,000.0	90.00	359.52	10,527.0	4,411.3	-120.1	4,412.9	0.00	0.00	0.00
15,100.0	90.00	359.52	10,527.0	4,511.3	-120.9	4,512.9	0.00	0.00	0.00
15,200.0	90.00	359.52	10,527.0	4,611.3	-121.7	4,612.9	0.00	0.00	0.00
15,300.0	90.00	359.52	10,527.0	4,711.3	-122.6	4,712.8	0.00	0.00	0.00
15,400.0	90.00	359.52	10,527.0	4,811.3	-123.4	4,812.8	0.00	0.00	0.00
15,469.7	90.00	359.52	10,527.0	4,881.0	-124.0	4,882.6	0.00	0.00	0.00
PBHL(Hearns 34 State #406H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Hearns 34 State #4 - hit/miss target - Shape - Point	0.00	0.00	10,049.5	-250.0	-81.0	425,355.00	782,883.00	32° 10' 1.095 N	103° 33' 9.781 W
- plan misses target center by 130.0usft at 10053.1usft MD (10049.3 TVD, -250.0 N, 49.0 E)									
FTP(Hearns 34 State #4 - plan misses target center by 187.8usft at 10471.2usft MD (10416.1 TVD, -82.1 N, 14.1 E) - Point	0.00	0.00	10,527.0	-200.0	-81.0	425,405.00	782,883.00	32° 10' 1.589 N	103° 33' 9.777 W
PBHL(Hearns 34 State #4 - plan hits target center - Point	0.00	0.00	10,527.0	4,881.0	-124.0	430,486.00	782,840.00	32° 10' 51.870 N	103° 33' 9.848 W