

THE UNIVERSITY OF CHICAGO PRESS



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Magnolia 15

#302H

OH

Plan: Plan #0.1

Standard Planning Report

07 August, 2018

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #302H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3320.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3320.0usft
Site:	Magnolia 15	North Reference:	Grid
Well:	#302H	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	Magnolia 15				
Site Position:		Northing:	378,055.00 usft	Latitude:	32° 2' 13.337 N
From:	Map	Easting:	778,760.00 usft	Longitude:	103° 34' 1.656 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	#302H					
Well Position	+N/-S	33.0 usft	Northing:	378,088.00 usft	Latitude:	32° 2' 13.639 N
	+E/-W	349.0 usft	Easting:	779,109.00 usft	Longitude:	103° 33' 57.599 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level:	3,295.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	7/24/2018	(°)	(°)	(nT)
			6.82	59.88	47,715.51256634

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	353.57

Plan Survey Tool Program	Date	8/7/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.0	15,104.2 Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,259.4	5.19	241.15	3,259.0	-5.7	-10.3	2.00	2.00	0.00	241.15	
9,440.2	5.19	241.15	9,414.5	-275.3	-499.7	0.00	0.00	0.00	0.00	
9,699.5	0.00	0.00	9,673.5	-281.0	-510.0	2.00	-2.00	0.00	180.00	KOP(MAG 15 #302H)
10,449.5	90.00	359.59	10,151.0	196.4	-513.4	12.00	12.00	-0.06	359.59	
15,104.2	90.00	359.59	10,151.0	4,851.0	-547.0	0.00	0.00	0.00	0.00	PBHL(MAG 15 #302H)



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Site:	Magnolia 15	North Reference:	Grid
Well:	#302H	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	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	2.00	241.15	3,100.0	-0.8	-1.5	-0.7	2.00	2.00	0.00
3,200.0	4.00	241.15	3,199.8	-3.4	-6.1	-2.7	2.00	2.00	0.00
3,259.4	5.19	241.15	3,259.0	-5.7	-10.3	-4.5	2.00	2.00	0.00
3,300.0	5.19	241.15	3,299.5	-7.4	-13.5	-5.9	0.00	0.00	0.00
3,400.0	5.19	241.15	3,399.1	-11.8	-21.4	-9.3	0.00	0.00	0.00
3,500.0	5.19	241.15	3,498.7	-16.2	-29.3	-12.8	0.00	0.00	0.00
3,600.0	5.19	241.15	3,598.3	-20.5	-37.3	-16.2	0.00	0.00	0.00
3,700.0	5.19	241.15	3,697.8	-24.9	-45.2	-19.7	0.00	0.00	0.00
3,800.0	5.19	241.15	3,797.4	-29.3	-53.1	-23.1	0.00	0.00	0.00
3,900.0	5.19	241.15	3,897.0	-33.6	-61.0	-26.6	0.00	0.00	0.00
4,000.0	5.19	241.15	3,996.6	-38.0	-68.9	-30.0	0.00	0.00	0.00
4,100.0	5.19	241.15	4,096.2	-42.3	-76.8	-33.5	0.00	0.00	0.00
4,200.0	5.19	241.15	4,195.8	-46.7	-84.8	-36.9	0.00	0.00	0.00
4,300.0	5.19	241.15	4,295.4	-51.1	-92.7	-40.4	0.00	0.00	0.00
4,400.0	5.19	241.15	4,395.0	-55.4	-100.6	-43.8	0.00	0.00	0.00
4,500.0	5.19	241.15	4,494.6	-59.8	-108.5	-47.3	0.00	0.00	0.00
4,600.0	5.19	241.15	4,594.2	-64.2	-116.4	-50.7	0.00	0.00	0.00
4,700.0	5.19	241.15	4,693.7	-68.5	-124.4	-54.2	0.00	0.00	0.00
4,800.0	5.19	241.15	4,793.3	-72.9	-132.3	-57.6	0.00	0.00	0.00
4,900.0	5.19	241.15	4,892.9	-77.2	-140.2	-61.0	0.00	0.00	0.00
5,000.0	5.19	241.15	4,992.5	-81.6	-148.1	-64.5	0.00	0.00	0.00
5,100.0	5.19	241.15	5,092.1	-86.0	-156.0	-67.9	0.00	0.00	0.00
5,200.0	5.19	241.15	5,191.7	-90.3	-164.0	-71.4	0.00	0.00	0.00



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 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #302H
 TVD Reference: KB = 25 @ 3320.0usft
 MD Reference: KB = 25 @ 3320.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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	5.19	241.15	5,291.3	-94.7	-171.9	-74.8	0.00	0.00	0.00
5,400.0	5.19	241.15	5,390.9	-99.1	-179.8	-78.3	0.00	0.00	0.00
5,500.0	5.19	241.15	5,490.5	-103.4	-187.7	-81.7	0.00	0.00	0.00
5,600.0	5.19	241.15	5,590.1	-107.8	-195.6	-85.2	0.00	0.00	0.00
5,700.0	5.19	241.15	5,689.6	-112.2	-203.5	-88.6	0.00	0.00	0.00
5,800.0	5.19	241.15	5,789.2	-116.5	-211.5	-92.1	0.00	0.00	0.00
5,900.0	5.19	241.15	5,888.8	-120.9	-219.4	-95.5	0.00	0.00	0.00
6,000.0	5.19	241.15	5,988.4	-125.2	-227.3	-99.0	0.00	0.00	0.00
6,100.0	5.19	241.15	6,088.0	-129.6	-235.2	-102.4	0.00	0.00	0.00
6,200.0	5.19	241.15	6,187.6	-134.0	-243.1	-105.9	0.00	0.00	0.00
6,300.0	5.19	241.15	6,287.2	-138.3	-251.1	-109.3	0.00	0.00	0.00
6,400.0	5.19	241.15	6,386.8	-142.7	-259.0	-112.8	0.00	0.00	0.00
6,500.0	5.19	241.15	6,486.4	-147.1	-266.9	-116.2	0.00	0.00	0.00
6,600.0	5.19	241.15	6,586.0	-151.4	-274.8	-119.7	0.00	0.00	0.00
6,700.0	5.19	241.15	6,685.6	-155.8	-282.7	-123.1	0.00	0.00	0.00
6,800.0	5.19	241.15	6,785.1	-160.1	-290.7	-126.6	0.00	0.00	0.00
6,900.0	5.19	241.15	6,884.7	-164.5	-298.6	-130.0	0.00	0.00	0.00
7,000.0	5.19	241.15	6,984.3	-168.9	-306.5	-133.5	0.00	0.00	0.00
7,100.0	5.19	241.15	7,083.9	-173.2	-314.4	-136.9	0.00	0.00	0.00
7,200.0	5.19	241.15	7,183.5	-177.6	-322.3	-140.4	0.00	0.00	0.00
7,300.0	5.19	241.15	7,283.1	-182.0	-330.2	-143.8	0.00	0.00	0.00
7,400.0	5.19	241.15	7,382.7	-186.3	-338.2	-147.3	0.00	0.00	0.00
7,500.0	5.19	241.15	7,482.3	-190.7	-346.1	-150.7	0.00	0.00	0.00
7,600.0	5.19	241.15	7,581.9	-195.0	-354.0	-154.2	0.00	0.00	0.00
7,700.0	5.19	241.15	7,681.5	-199.4	-361.9	-157.6	0.00	0.00	0.00
7,800.0	5.19	241.15	7,781.0	-203.8	-369.8	-161.1	0.00	0.00	0.00
7,900.0	5.19	241.15	7,880.6	-208.1	-377.8	-164.5	0.00	0.00	0.00
8,000.0	5.19	241.15	7,980.2	-212.5	-385.7	-167.9	0.00	0.00	0.00
8,100.0	5.19	241.15	8,079.8	-216.9	-393.6	-171.4	0.00	0.00	0.00
8,200.0	5.19	241.15	8,179.4	-221.2	-401.5	-174.8	0.00	0.00	0.00
8,300.0	5.19	241.15	8,279.0	-225.6	-409.4	-178.3	0.00	0.00	0.00
8,400.0	5.19	241.15	8,378.6	-230.0	-417.4	-181.7	0.00	0.00	0.00
8,500.0	5.19	241.15	8,478.2	-234.3	-425.3	-185.2	0.00	0.00	0.00
8,600.0	5.19	241.15	8,577.8	-238.7	-433.2	-188.6	0.00	0.00	0.00
8,700.0	5.19	241.15	8,677.4	-243.0	-441.1	-192.1	0.00	0.00	0.00
8,800.0	5.19	241.15	8,777.0	-247.4	-449.0	-195.5	0.00	0.00	0.00
8,900.0	5.19	241.15	8,876.5	-251.8	-456.9	-199.0	0.00	0.00	0.00
9,000.0	5.19	241.15	8,976.1	-256.1	-464.9	-202.4	0.00	0.00	0.00
9,100.0	5.19	241.15	9,075.7	-260.5	-472.8	-205.9	0.00	0.00	0.00
9,200.0	5.19	241.15	9,175.3	-264.9	-480.7	-209.3	0.00	0.00	0.00
9,300.0	5.19	241.15	9,274.9	-269.2	-488.6	-212.8	0.00	0.00	0.00
9,400.0	5.19	241.15	9,374.5	-273.6	-496.5	-216.2	0.00	0.00	0.00
9,440.2	5.19	241.15	9,414.5	-275.3	-499.7	-217.6	0.00	0.00	0.00
9,500.0	3.99	241.15	9,474.1	-277.6	-503.9	-219.4	2.00	-2.00	0.00
9,600.0	1.99	241.15	9,574.0	-280.2	-508.5	-221.4	2.00	-2.00	0.00
9,699.5	0.00	0.00	9,673.5	-281.0	-510.0	-222.1	2.00	-2.00	0.00
KOP(MAG 15 #302H)									
9,725.0	3.06	359.59	9,699.0	-280.3	-510.0	-221.4	12.00	12.00	0.00
9,750.0	6.06	359.59	9,723.9	-278.3	-510.0	-219.4	12.00	12.00	0.00
9,775.0	9.06	359.59	9,748.7	-275.0	-510.0	-216.2	12.00	12.00	0.00
9,800.0	12.06	359.59	9,773.2	-270.5	-510.1	-211.6	12.00	12.00	0.00
9,825.0	15.06	359.59	9,797.5	-264.6	-510.1	-205.8	12.00	12.00	0.00
9,850.0	18.06	359.59	9,821.5	-257.5	-510.2	-198.7	12.00	12.00	0.00



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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)
9,875.0	21.06	359.59	9,845.1	-249.1	-510.2	-190.4	12.00	12.00	0.00
9,900.0	24.06	359.59	9,868.1	-239.5	-510.3	-180.8	12.00	12.00	0.00
9,925.0	27.06	359.59	9,890.7	-228.7	-510.4	-170.1	12.00	12.00	0.00
9,950.0	30.06	359.59	9,912.6	-216.8	-510.5	-158.2	12.00	12.00	0.00
9,975.0	33.06	359.59	9,933.9	-203.7	-510.6	-145.2	12.00	12.00	0.00
10,000.0	36.06	359.59	9,954.5	-189.5	-510.7	-131.1	12.00	12.00	0.00
10,025.0	39.06	359.59	9,974.3	-174.3	-510.8	-116.0	12.00	12.00	0.00
10,050.0	42.06	359.59	9,993.3	-158.0	-510.9	-99.8	12.00	12.00	0.00
10,075.0	45.06	359.59	10,011.5	-140.8	-511.0	-82.7	12.00	12.00	0.00
10,100.0	48.06	359.59	10,028.6	-122.7	-511.1	-64.6	12.00	12.00	0.00
FTP(MAG 15 #302H)									
10,125.0	51.06	359.59	10,044.9	-103.6	-511.3	-45.7	12.00	12.00	0.00
10,150.0	54.06	359.59	10,060.1	-83.8	-511.4	-26.0	12.00	12.00	0.00
10,175.0	57.06	359.59	10,074.2	-63.2	-511.6	-5.5	12.00	12.00	0.00
10,200.0	60.06	359.59	10,087.2	-41.9	-511.7	15.7	12.00	12.00	0.00
10,225.0	63.06	359.59	10,099.1	-19.9	-511.9	37.6	12.00	12.00	0.00
10,250.0	66.06	359.59	10,109.9	2.7	-512.0	60.0	12.00	12.00	0.00
10,275.0	69.06	359.59	10,119.4	25.8	-512.2	83.0	12.00	12.00	0.00
10,300.0	72.06	359.59	10,127.7	49.4	-512.4	106.5	12.00	12.00	0.00
10,325.0	75.06	359.59	10,134.8	73.3	-512.6	130.3	12.00	12.00	0.00
10,350.0	78.06	359.59	10,140.6	97.7	-512.7	154.5	12.00	12.00	0.00
10,375.0	81.06	359.59	10,145.2	122.2	-512.9	178.9	12.00	12.00	0.00
10,400.0	84.06	359.59	10,148.4	147.0	-513.1	203.6	12.00	12.00	0.00
10,425.0	87.06	359.59	10,150.3	171.9	-513.3	228.4	12.00	12.00	0.00
10,449.5	90.00	359.59	10,151.0	196.4	-513.4	252.7	12.00	12.00	0.00
10,500.0	90.00	359.59	10,151.0	246.9	-513.8	302.9	0.00	0.00	0.00
10,600.0	90.00	359.59	10,151.0	346.9	-514.5	402.4	0.00	0.00	0.00
10,700.0	90.00	359.59	10,151.0	446.9	-515.2	501.8	0.00	0.00	0.00
10,800.0	90.00	359.59	10,151.0	546.9	-516.0	601.3	0.00	0.00	0.00
10,900.0	90.00	359.59	10,151.0	646.9	-516.7	700.7	0.00	0.00	0.00
11,000.0	90.00	359.59	10,151.0	746.9	-517.4	800.2	0.00	0.00	0.00
11,100.0	90.00	359.59	10,151.0	846.9	-518.1	899.6	0.00	0.00	0.00
11,200.0	90.00	359.59	10,151.0	946.9	-518.9	999.1	0.00	0.00	0.00
11,300.0	90.00	359.59	10,151.0	1,046.9	-519.6	1,098.5	0.00	0.00	0.00
11,400.0	90.00	359.59	10,151.0	1,146.9	-520.3	1,198.0	0.00	0.00	0.00
11,500.0	90.00	359.59	10,151.0	1,246.9	-521.0	1,297.4	0.00	0.00	0.00
11,600.0	90.00	359.59	10,151.0	1,346.9	-521.7	1,396.9	0.00	0.00	0.00
11,700.0	90.00	359.59	10,151.0	1,446.9	-522.5	1,496.3	0.00	0.00	0.00
11,800.0	90.00	359.59	10,151.0	1,546.9	-523.2	1,595.8	0.00	0.00	0.00
11,900.0	90.00	359.59	10,151.0	1,646.9	-523.9	1,695.2	0.00	0.00	0.00
12,000.0	90.00	359.59	10,151.0	1,746.9	-524.6	1,794.7	0.00	0.00	0.00
12,100.0	90.00	359.59	10,151.0	1,846.9	-525.3	1,894.1	0.00	0.00	0.00
12,200.0	90.00	359.59	10,151.0	1,946.9	-526.1	1,993.6	0.00	0.00	0.00
12,300.0	90.00	359.59	10,151.0	2,046.9	-526.8	2,093.0	0.00	0.00	0.00
12,400.0	90.00	359.59	10,151.0	2,146.9	-527.5	2,192.5	0.00	0.00	0.00
12,500.0	90.00	359.59	10,151.0	2,246.9	-528.2	2,291.9	0.00	0.00	0.00
12,600.0	90.00	359.59	10,151.0	2,346.9	-528.9	2,391.4	0.00	0.00	0.00
12,700.0	90.00	359.59	10,151.0	2,446.9	-529.7	2,490.8	0.00	0.00	0.00
12,800.0	90.00	359.59	10,151.0	2,546.9	-530.4	2,590.3	0.00	0.00	0.00
12,900.0	90.00	359.59	10,151.0	2,646.9	-531.1	2,689.7	0.00	0.00	0.00
13,000.0	90.00	359.59	10,151.0	2,746.9	-531.8	2,789.2	0.00	0.00	0.00
13,100.0	90.00	359.59	10,151.0	2,846.9	-532.6	2,888.6	0.00	0.00	0.00
13,200.0	90.00	359.59	10,151.0	2,946.9	-533.3	2,988.1	0.00	0.00	0.00
13,300.0	90.00	359.59	10,151.0	3,046.9	-534.0	3,087.5	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Magnolia 15
 Well: #302H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #302H
 TVD Reference: KB = 25 @ 3320.0usft
 MD Reference: KB = 25 @ 3320.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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)
13,400.0	90.00	359.59	10,151.0	3,146.9	-534.7	3,187.0	0.00	0.00	0.00
13,500.0	90.00	359.59	10,151.0	3,246.9	-535.4	3,286.4	0.00	0.00	0.00
13,600.0	90.00	359.59	10,151.0	3,346.8	-536.2	3,385.8	0.00	0.00	0.00
13,700.0	90.00	359.59	10,151.0	3,446.8	-536.9	3,485.3	0.00	0.00	0.00
13,800.0	90.00	359.59	10,151.0	3,546.8	-537.6	3,584.7	0.00	0.00	0.00
13,900.0	90.00	359.59	10,151.0	3,646.8	-538.3	3,684.2	0.00	0.00	0.00
14,000.0	90.00	359.59	10,151.0	3,746.8	-539.0	3,783.6	0.00	0.00	0.00
14,100.0	90.00	359.59	10,151.0	3,846.8	-539.8	3,883.1	0.00	0.00	0.00
14,200.0	90.00	359.59	10,151.0	3,946.8	-540.5	3,982.5	0.00	0.00	0.00
14,300.0	90.00	359.59	10,151.0	4,046.8	-541.2	4,082.0	0.00	0.00	0.00
14,400.0	90.00	359.59	10,151.0	4,146.8	-541.9	4,181.4	0.00	0.00	0.00
14,500.0	90.00	359.59	10,151.0	4,246.8	-542.6	4,280.9	0.00	0.00	0.00
14,600.0	90.00	359.59	10,151.0	4,346.8	-543.4	4,380.3	0.00	0.00	0.00
14,700.0	90.00	359.59	10,151.0	4,446.8	-544.1	4,479.8	0.00	0.00	0.00
14,800.0	90.00	359.59	10,151.0	4,546.8	-544.8	4,579.2	0.00	0.00	0.00
14,900.0	90.00	359.59	10,151.0	4,646.8	-545.5	4,678.7	0.00	0.00	0.00
15,000.0	90.00	359.59	10,151.0	4,746.8	-546.2	4,778.1	0.00	0.00	0.00
15,104.2	90.00	359.59	10,151.0	4,851.0	-547.0	4,881.7	0.00	0.00	0.00

PBHL(MAG 15 #302H)

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(MAG 15 #302H) - plan hits target center - Point	0.00	0.00	9,673.5	-281.0	-510.0	377,807.00	778,599.00	32° 2' 10.894 N	103° 34' 3.547 W
FTP(MAG 15 #302H) - plan misses target center by 163.4usft at 10100.0usft MD (10028.6 TVD, -122.7 N, -511.1 E) - Point	0.00	0.00	10,151.0	-231.0	-510.0	377,857.00	778,599.00	32° 2' 11.389 N	103° 34' 3.543 W
PBHL(MAG 15 #302H) - plan hits target center - Point	0.00	0.00	10,151.0	4,851.0	-547.0	382,939.00	778,562.00	32° 3' 1.680 N	103° 34' 3.554 W