



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Gladiator 34 State Com

#302H

OH

Plan: Plan #0.1

Standard Planning Report

19 December, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #302H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3433.0usft
Site:	Gladiator 34 State Com	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		Gladiator 34 State Com			
Site Position:		Northing:	457,765.00 usft	Latitude:	32° 15' 17.038 N
From:	Map	Easting:	841,776.00 usft	Longitude:	103° 21' 41.267 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.52 °

Well	#302H					
Well Position	+N/-S	1.0 usft	Northing:	457,766.00 usft	Latitude:	32° 15' 17.045 N
	+E/-W	33.0 usft	Easting:	841,809.00 usft	Longitude:	103° 21' 40.883 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,408.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/19/2018	6.69	60.10	47,823.23070387

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	4.56

Plan Survey Tool Program	Date 12/19/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	14,828.1 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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,236.9	4.74	122.45	3,236.7	-5.3	8.3	2.00	2.00	0.00	122.45	
9,182.4	4.74	122.45	9,161.8	-268.7	422.7	0.00	0.00	0.00	0.00	
9,419.4	0.00	0.01	9,398.5	-274.0	431.0	2.00	-2.00	0.00	180.00	KOP(Glad 34 state #3
10,169.4	90.00	359.52	9,876.0	203.4	427.0	12.00	12.00	-0.06	359.52	
14,828.1	90.00	359.52	9,876.0	4,862.0	388.0	0.00	0.00	0.00	0.00	PBHL(Glad 34 state #

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Site:	Gladiator 34 State Com	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	122.45	3,100.0	-0.9	1.5	-0.8	2.00	2.00	0.00
3,200.0	4.00	122.45	3,199.8	-3.7	5.9	-3.3	2.00	2.00	0.00
3,236.9	4.74	122.45	3,236.7	-5.3	8.3	-4.6	2.00	2.00	0.00
3,300.0	4.74	122.45	3,299.5	-8.0	12.7	-7.0	0.00	0.00	0.00
3,400.0	4.74	122.45	3,399.2	-12.5	19.6	-10.9	0.00	0.00	0.00
3,500.0	4.74	122.45	3,498.8	-16.9	26.6	-14.7	0.00	0.00	0.00
3,600.0	4.74	122.45	3,598.5	-21.3	33.6	-18.6	0.00	0.00	0.00
3,700.0	4.74	122.45	3,698.1	-25.8	40.5	-22.5	0.00	0.00	0.00
3,800.0	4.74	122.45	3,797.8	-30.2	47.5	-26.3	0.00	0.00	0.00
3,900.0	4.74	122.45	3,897.5	-34.6	54.5	-30.2	0.00	0.00	0.00
4,000.0	4.74	122.45	3,997.1	-39.1	61.5	-34.1	0.00	0.00	0.00
4,100.0	4.74	122.45	4,096.8	-43.5	68.4	-37.9	0.00	0.00	0.00
4,200.0	4.74	122.45	4,196.4	-47.9	75.4	-41.8	0.00	0.00	0.00
4,300.0	4.74	122.45	4,296.1	-52.4	82.4	-45.6	0.00	0.00	0.00
4,400.0	4.74	122.45	4,395.8	-56.8	89.3	-49.5	0.00	0.00	0.00
4,500.0	4.74	122.45	4,495.4	-61.2	96.3	-53.4	0.00	0.00	0.00
4,600.0	4.74	122.45	4,595.1	-65.7	103.3	-57.2	0.00	0.00	0.00
4,700.0	4.74	122.45	4,694.7	-70.1	110.3	-61.1	0.00	0.00	0.00
4,800.0	4.74	122.45	4,794.4	-74.5	117.2	-65.0	0.00	0.00	0.00
4,900.0	4.74	122.45	4,894.0	-79.0	124.2	-68.8	0.00	0.00	0.00
5,000.0	4.74	122.45	4,993.7	-83.4	131.2	-72.7	0.00	0.00	0.00
5,100.0	4.74	122.45	5,093.4	-87.8	138.1	-76.6	0.00	0.00	0.00
5,200.0	4.74	122.45	5,193.0	-92.3	145.1	-80.4	0.00	0.00	0.00

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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)	
5,300.0	4.74	122.45	5,292.7	-96.7	152.1	-84.3	0.00	0.00	0.00	
5,400.0	4.74	122.45	5,392.3	-101.1	159.1	-88.1	0.00	0.00	0.00	
5,500.0	4.74	122.45	5,492.0	-105.5	166.0	-92.0	0.00	0.00	0.00	
5,600.0	4.74	122.45	5,591.7	-110.0	173.0	-95.9	0.00	0.00	0.00	
5,700.0	4.74	122.45	5,691.3	-114.4	180.0	-99.7	0.00	0.00	0.00	
5,800.0	4.74	122.45	5,791.0	-118.8	186.9	-103.6	0.00	0.00	0.00	
5,900.0	4.74	122.45	5,890.6	-123.3	193.9	-107.5	0.00	0.00	0.00	
6,000.0	4.74	122.45	5,990.3	-127.7	200.9	-111.3	0.00	0.00	0.00	
6,100.0	4.74	122.45	6,089.9	-132.1	207.9	-115.2	0.00	0.00	0.00	
6,200.0	4.74	122.45	6,189.6	-136.6	214.8	-119.0	0.00	0.00	0.00	
6,300.0	4.74	122.45	6,289.3	-141.0	221.8	-122.9	0.00	0.00	0.00	
6,400.0	4.74	122.45	6,388.9	-145.4	228.8	-126.8	0.00	0.00	0.00	
6,500.0	4.74	122.45	6,488.6	-149.9	235.7	-130.6	0.00	0.00	0.00	
6,600.0	4.74	122.45	6,588.2	-154.3	242.7	-134.5	0.00	0.00	0.00	
6,700.0	4.74	122.45	6,687.9	-158.7	249.7	-138.4	0.00	0.00	0.00	
6,800.0	4.74	122.45	6,787.6	-163.2	256.7	-142.2	0.00	0.00	0.00	
6,900.0	4.74	122.45	6,887.2	-167.6	263.6	-146.1	0.00	0.00	0.00	
7,000.0	4.74	122.45	6,986.9	-172.0	270.6	-150.0	0.00	0.00	0.00	
7,100.0	4.74	122.45	7,086.5	-176.5	277.6	-153.8	0.00	0.00	0.00	
7,200.0	4.74	122.45	7,186.2	-180.9	284.5	-157.7	0.00	0.00	0.00	
7,300.0	4.74	122.45	7,285.8	-185.3	291.5	-161.5	0.00	0.00	0.00	
7,400.0	4.74	122.45	7,385.5	-189.8	298.5	-165.4	0.00	0.00	0.00	
7,500.0	4.74	122.45	7,485.2	-194.2	305.5	-169.3	0.00	0.00	0.00	
7,600.0	4.74	122.45	7,584.8	-198.6	312.4	-173.1	0.00	0.00	0.00	
7,700.0	4.74	122.45	7,684.5	-203.0	319.4	-177.0	0.00	0.00	0.00	
7,800.0	4.74	122.45	7,784.1	-207.5	326.4	-180.9	0.00	0.00	0.00	
7,900.0	4.74	122.45	7,883.8	-211.9	333.3	-184.7	0.00	0.00	0.00	
8,000.0	4.74	122.45	7,983.5	-216.3	340.3	-188.6	0.00	0.00	0.00	
8,100.0	4.74	122.45	8,083.1	-220.8	347.3	-192.4	0.00	0.00	0.00	
8,200.0	4.74	122.45	8,182.8	-225.2	354.2	-196.3	0.00	0.00	0.00	
8,300.0	4.74	122.45	8,282.4	-229.6	361.2	-200.2	0.00	0.00	0.00	
8,400.0	4.74	122.45	8,382.1	-234.1	368.2	-204.0	0.00	0.00	0.00	
8,500.0	4.74	122.45	8,481.7	-238.5	375.2	-207.9	0.00	0.00	0.00	
8,600.0	4.74	122.45	8,581.4	-242.9	382.1	-211.8	0.00	0.00	0.00	
8,700.0	4.74	122.45	8,681.1	-247.4	389.1	-215.6	0.00	0.00	0.00	
8,800.0	4.74	122.45	8,780.7	-251.8	396.1	-219.5	0.00	0.00	0.00	
8,900.0	4.74	122.45	8,880.4	-256.2	403.0	-223.4	0.00	0.00	0.00	
9,000.0	4.74	122.45	8,980.0	-260.7	410.0	-227.2	0.00	0.00	0.00	
9,100.0	4.74	122.45	9,079.7	-265.1	417.0	-231.1	0.00	0.00	0.00	
9,182.4	4.74	122.45	9,161.8	-268.7	422.7	-234.3	0.00	0.00	0.00	
9,200.0	4.39	122.45	9,179.4	-269.5	423.9	-234.9	2.00	-2.00	0.00	
9,300.0	2.39	122.45	9,279.2	-272.7	428.9	-237.7	2.00	-2.00	0.00	
9,400.0	0.39	122.45	9,379.1	-274.0	430.9	-238.8	2.00	-2.00	0.00	
9,419.4	0.00	0.01	9,398.5	-274.0	431.0	-238.8	2.00	-2.00	0.00	
9,425.0	0.68	359.52	9,404.1	-274.0	431.0	-238.8	12.00	12.00	0.00	
9,450.0	3.68	359.52	9,429.1	-273.0	431.0	-237.9	12.00	12.00	0.00	
9,475.0	6.68	359.52	9,454.0	-270.8	431.0	-235.6	12.00	12.00	0.00	
9,500.0	9.68	359.52	9,478.8	-267.2	430.9	-232.1	12.00	12.00	0.00	
9,525.0	12.68	359.52	9,503.3	-262.4	430.9	-227.3	12.00	12.00	0.00	
9,550.0	15.68	359.52	9,527.5	-256.2	430.9	-221.2	12.00	12.00	0.00	
9,575.0	18.68	359.52	9,551.4	-248.9	430.8	-213.8	12.00	12.00	0.00	
9,600.0	21.68	359.52	9,574.9	-240.2	430.7	-205.2	12.00	12.00	0.00	
9,625.0	24.68	359.52	9,597.8	-230.4	430.6	-195.4	12.00	12.00	0.00	
9,650.0	27.68	359.52	9,620.3	-219.4	430.5	-184.4	12.00	12.00	0.00	

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Site:	Gladiator 34 State Com	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)
9,675.0	30.68	359.52	9,642.1	-207.2	430.4	-172.3	12.00	12.00	0.00
9,700.0	33.68	359.52	9,663.3	-193.9	430.3	-159.0	12.00	12.00	0.00
9,725.0	36.68	359.52	9,683.7	-179.5	430.2	-144.7	12.00	12.00	0.00
9,750.0	39.68	359.52	9,703.3	-164.0	430.1	-129.3	12.00	12.00	0.00
9,775.0	42.68	359.52	9,722.2	-147.6	429.9	-112.9	12.00	12.00	0.00
9,800.0	45.68	359.52	9,740.1	-130.1	429.8	-95.5	12.00	12.00	0.00
9,825.0	48.68	359.52	9,757.1	-111.8	429.6	-77.3	12.00	12.00	0.00
9,850.0	51.68	359.52	9,773.1	-92.6	429.5	-58.2	12.00	12.00	0.00
9,875.0	54.68	359.52	9,788.1	-72.6	429.3	-38.2	12.00	12.00	0.00
9,900.0	57.68	359.52	9,802.0	-51.8	429.1	-17.5	12.00	12.00	0.00
9,925.0	60.68	359.52	9,814.8	-30.4	429.0	3.8	12.00	12.00	0.00
9,950.0	63.68	359.52	9,826.5	-8.3	428.8	25.9	12.00	12.00	0.00
9,975.0	66.68	359.52	9,836.9	14.4	428.6	48.5	12.00	12.00	0.00
10,000.0	69.68	359.52	9,846.2	37.6	428.4	71.6	12.00	12.00	0.00
10,025.0	72.68	359.52	9,854.3	61.3	428.2	95.2	12.00	12.00	0.00
10,050.0	75.68	359.52	9,861.1	85.3	428.0	119.1	12.00	12.00	0.00
10,075.0	78.68	359.52	9,866.7	109.7	427.8	143.4	12.00	12.00	0.00
10,100.0	81.68	359.52	9,870.9	134.3	427.6	167.9	12.00	12.00	0.00
10,125.0	84.68	359.52	9,873.9	159.2	427.4	192.6	12.00	12.00	0.00
10,150.0	87.68	359.52	9,875.6	184.1	427.2	217.5	12.00	12.00	0.00
10,169.4	90.00	359.52	9,876.0	203.4	427.0	236.8	12.00	12.00	0.00
10,200.0	90.00	359.52	9,876.0	234.1	426.7	267.3	0.00	0.00	0.00
10,300.0	90.00	359.52	9,876.0	334.1	425.9	366.9	0.00	0.00	0.00
10,400.0	90.00	359.52	9,876.0	434.1	425.1	466.5	0.00	0.00	0.00
10,500.0	90.00	359.52	9,876.0	534.1	424.2	566.1	0.00	0.00	0.00
10,600.0	90.00	359.52	9,876.0	634.1	423.4	665.7	0.00	0.00	0.00
10,700.0	90.00	359.52	9,876.0	734.1	422.6	765.4	0.00	0.00	0.00
10,800.0	90.00	359.52	9,876.0	834.1	421.7	865.0	0.00	0.00	0.00
10,900.0	90.00	359.52	9,876.0	934.1	420.9	964.6	0.00	0.00	0.00
11,000.0	90.00	359.52	9,876.0	1,034.1	420.0	1,064.2	0.00	0.00	0.00
11,100.0	90.00	359.52	9,876.0	1,134.1	419.2	1,163.8	0.00	0.00	0.00
11,200.0	90.00	359.52	9,876.0	1,234.1	418.4	1,263.4	0.00	0.00	0.00
11,300.0	90.00	359.52	9,876.0	1,334.0	417.5	1,363.0	0.00	0.00	0.00
11,400.0	90.00	359.52	9,876.0	1,434.0	416.7	1,462.6	0.00	0.00	0.00
11,500.0	90.00	359.52	9,876.0	1,534.0	415.9	1,562.3	0.00	0.00	0.00
11,600.0	90.00	359.52	9,876.0	1,634.0	415.0	1,661.9	0.00	0.00	0.00
11,700.0	90.00	359.52	9,876.0	1,734.0	414.2	1,761.5	0.00	0.00	0.00
11,800.0	90.00	359.52	9,876.0	1,834.0	413.4	1,861.1	0.00	0.00	0.00
11,900.0	90.00	359.52	9,876.0	1,934.0	412.5	1,960.7	0.00	0.00	0.00
12,000.0	90.00	359.52	9,876.0	2,034.0	411.7	2,060.3	0.00	0.00	0.00
12,100.0	90.00	359.52	9,876.0	2,134.0	410.8	2,159.9	0.00	0.00	0.00
12,200.0	90.00	359.52	9,876.0	2,234.0	410.0	2,259.6	0.00	0.00	0.00
12,300.0	90.00	359.52	9,876.0	2,334.0	409.2	2,359.2	0.00	0.00	0.00
12,400.0	90.00	359.52	9,876.0	2,434.0	408.3	2,458.8	0.00	0.00	0.00
12,500.0	90.00	359.52	9,876.0	2,534.0	407.5	2,558.4	0.00	0.00	0.00
12,600.0	90.00	359.52	9,876.0	2,634.0	406.7	2,658.0	0.00	0.00	0.00
12,700.0	90.00	359.52	9,876.0	2,734.0	405.8	2,757.6	0.00	0.00	0.00
12,800.0	90.00	359.52	9,876.0	2,834.0	405.0	2,857.2	0.00	0.00	0.00
12,900.0	90.00	359.52	9,876.0	2,934.0	404.1	2,956.8	0.00	0.00	0.00
13,000.0	90.00	359.52	9,876.0	3,034.0	403.3	3,056.5	0.00	0.00	0.00
13,100.0	90.00	359.52	9,876.0	3,134.0	402.5	3,156.1	0.00	0.00	0.00
13,200.0	90.00	359.52	9,876.0	3,234.0	401.6	3,255.7	0.00	0.00	0.00
13,300.0	90.00	359.52	9,876.0	3,334.0	400.8	3,355.3	0.00	0.00	0.00
13,400.0	90.00	359.52	9,876.0	3,434.0	400.0	3,454.9	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #302H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3433.0usft
Site:	Gladiator 34 State Com	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)
13,500.0	90.00	359.52	9,876.0	3,534.0	399.1	3,554.5	0.00	0.00	0.00
13,600.0	90.00	359.52	9,876.0	3,634.0	398.3	3,654.1	0.00	0.00	0.00
13,700.0	90.00	359.52	9,876.0	3,734.0	397.4	3,753.7	0.00	0.00	0.00
13,800.0	90.00	359.52	9,876.0	3,834.0	396.6	3,853.4	0.00	0.00	0.00
13,900.0	90.00	359.52	9,876.0	3,934.0	395.8	3,953.0	0.00	0.00	0.00
14,000.0	90.00	359.52	9,876.0	4,034.0	394.9	4,052.6	0.00	0.00	0.00
14,100.0	90.00	359.52	9,876.0	4,133.9	394.1	4,152.2	0.00	0.00	0.00
14,200.0	90.00	359.52	9,876.0	4,233.9	393.3	4,251.8	0.00	0.00	0.00
14,300.0	90.00	359.52	9,876.0	4,333.9	392.4	4,351.4	0.00	0.00	0.00
14,400.0	90.00	359.52	9,876.0	4,433.9	391.6	4,451.0	0.00	0.00	0.00
14,500.0	90.00	359.52	9,876.0	4,533.9	390.7	4,550.7	0.00	0.00	0.00
14,600.0	90.00	359.52	9,876.0	4,633.9	389.9	4,650.3	0.00	0.00	0.00
14,700.0	90.00	359.52	9,876.0	4,733.9	389.1	4,749.9	0.00	0.00	0.00
14,800.0	90.00	359.52	9,876.0	4,833.9	388.2	4,849.5	0.00	0.00	0.00
14,828.1	90.00	359.52	9,876.0	4,862.0	388.0	4,877.5	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Glad 34 state #302 - hit/miss target - Shape - Point	0.00	0.01	9,398.5	-274.0	431.0	457,492.00	842,240.00	32° 15' 14.295 N	103° 21' 35.893 W
PBHL(Glad 34 state #30 - plan hits target center - Point	0.00	0.00	9,876.0	4,862.0	388.0	462,628.00	842,197.00	32° 16' 5.118 N	103° 21' 35.852 W
FTP(Glad 34 state #302 - plan misses target center by 163.5usft at 9823.5usft MD (9756.1 TVD, -112.9 N, 429.7 E) - Point	0.00	0.01	9,876.0	-224.0	431.0	457,542.00	842,240.00	32° 15' 14.790 N	103° 21' 35.888 W



Lea County, NM (NAD 83 NME)

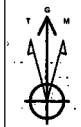
Gladiator 34 State Com

#302H

Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level



Azimuths to Grid North
True North: -0.52°
Magnetic North: 6.17°
Magnetic Field
Strength: 47523.2nT
Dip Angle: 60.10°
Date: 12/19/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.17°
To convert a Magnetic Direction to a True Direction, Add 6.69° East
To convert a True Direction to a Grid Direction, Subtract 0.52°

WELL DETAILS: #302H

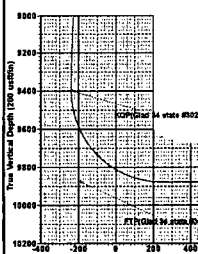
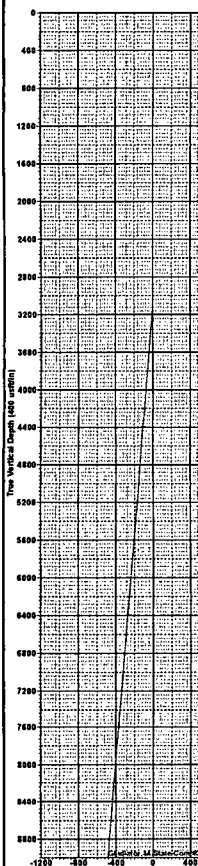
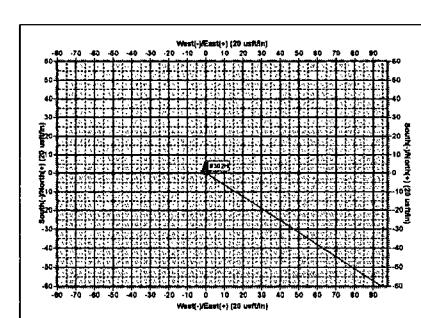
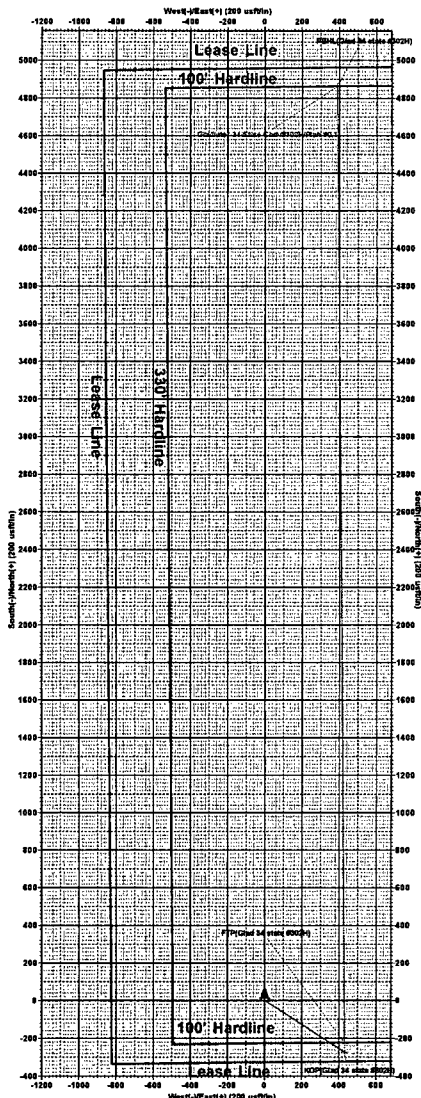
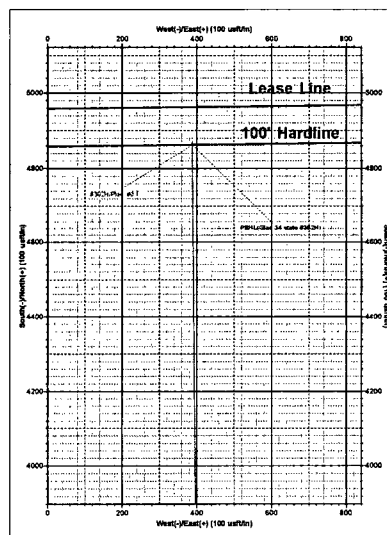
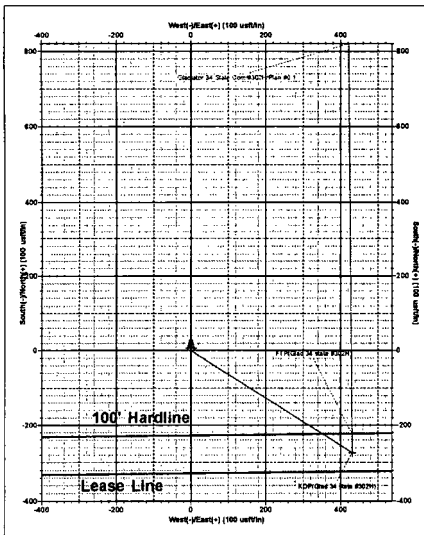
3468.0
KB = 25 @ 3433.0m
+N/-S +E/-W Northing Easting Longitude Slot
0.0 0.0 457766.00 841809.00 32° 15' 17.045 N 103° 21' 40.883 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3236.9	4.74	122.45	3236.7	-5.3	8.3	2.00	122.45	-4.6	
4	9182.4	4.74	122.45	9161.8	-268.7	422.7	0.00	0.00	-234.3	
5	9419.4	0.00	0.00	9398.5	-274.0	431.0	2.00	180.00	-238.8	KOP(Glad 34 state #302H)
6	10169.4	90.00	359.52	9876.0	203.4	427.0	12.00	359.52	236.8	PBHL(Glad 34 state #302H)
7	14828.1	90.00	359.52	9876.0	4862.0	388.0	0.00	0.00	4877.5	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
KOP(Glad 34 state #302H)	9398.5	-274.0	431.0	457492.96	842245.00	Point
FTP(Glad 34 state #302H)	9876.0	-224.0	431.0	457542.00	842260.00	Point
PBHL(Glad 34 state #302H)	9876.0	4862.0	388.0	462828.00	842197.00	Point



11/15/2018 10:00 AM
11/15/2018 10:00 AM
11/15/2018 10:00 AM