



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Gladiator 34 State Com

#301H

OH

Plan: Plan #0.1

Standard Planning Report

19 December, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #301H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3432.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3432.0usft
Site:	Gladiator 34 State Com	North Reference:	Grid
Well:	#301H	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
From:	Map	Easting:	841,776.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 15' 17.038 N
		Longitude:	103° 21' 41.267 W
		Grid Convergence:	0.52 °

Well	#301H		
Well Position	+N/-S	0.0 usft	Northing: 457,765.00 usft
	+E/-W	0.0 usft	Easting: 841,776.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 15' 17.038 N
			Longitude: 103° 21' 41.267 W
			Ground Level: 3,407.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	12/19/2018	(°)
			Dip Angle
			(°)
			Field Strength
			(nT)
			6.69
			60.10
			47,823.22591976

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			354.08

Plan Survey Tool Program	Date 12/19/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	14,833.6 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	
3,251.0	5.02	238.55	3,250.7	-5.7	-9.4	2.00	2.00	0.00	238.55	
9,175.9	5.02	238.55	9,152.8	-276.3	-451.6	0.00	0.00	0.00	0.00	
9,426.9	0.00	0.00	9,403.5	-282.0	-461.0	2.00	-2.00	0.00	180.00	KOP(Glad 34 state #2
10,176.9	90.00	359.53	9,881.0	195.4	-464.9	12.00	12.00	-0.06	359.53	
14,833.6	90.00	359.53	9,881.0	4,852.0	-503.0	0.00	0.00	0.00	0.00	PBHL(Glad 34 state #

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Site:	Gladiator 34 State Corn	North Reference:	Grid
Well:	#301H	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	238.55	3,100.0	-0.9	-1.5	-0.8	2.00	2.00	0.00	
3,200.0	4.00	238.55	3,199.8	-3.6	-6.0	-3.0	2.00	2.00	0.00	
3,251.0	5.02	238.55	3,250.7	-5.7	-9.4	-4.7	2.00	2.00	0.00	
3,300.0	5.02	238.55	3,299.5	-8.0	-13.0	-6.6	0.00	0.00	0.00	
3,400.0	5.02	238.55	3,399.1	-12.5	-20.5	-10.4	0.00	0.00	0.00	
3,500.0	5.02	238.55	3,498.7	-17.1	-28.0	-14.1	0.00	0.00	0.00	
3,600.0	5.02	238.55	3,598.3	-21.7	-35.4	-17.9	0.00	0.00	0.00	
3,700.0	5.02	238.55	3,698.0	-26.2	-42.9	-21.7	0.00	0.00	0.00	
3,800.0	5.02	238.55	3,797.6	-30.8	-50.4	-25.4	0.00	0.00	0.00	
3,900.0	5.02	238.55	3,897.2	-35.4	-57.8	-29.2	0.00	0.00	0.00	
4,000.0	5.02	238.55	3,996.8	-39.9	-65.3	-33.0	0.00	0.00	0.00	
4,100.0	5.02	238.55	4,096.4	-44.5	-72.7	-36.8	0.00	0.00	0.00	
4,200.0	5.02	238.55	4,196.0	-49.1	-80.2	-40.5	0.00	0.00	0.00	
4,300.0	5.02	238.55	4,295.7	-53.6	-87.7	-44.3	0.00	0.00	0.00	
4,400.0	5.02	238.55	4,395.3	-58.2	-95.1	-48.1	0.00	0.00	0.00	
4,500.0	5.02	238.55	4,494.9	-62.8	-102.6	-51.8	0.00	0.00	0.00	
4,600.0	5.02	238.55	4,594.5	-67.3	-110.1	-55.6	0.00	0.00	0.00	
4,700.0	5.02	238.55	4,694.1	-71.9	-117.5	-59.4	0.00	0.00	0.00	
4,800.0	5.02	238.55	4,793.7	-76.5	-125.0	-63.2	0.00	0.00	0.00	
4,900.0	5.02	238.55	4,893.4	-81.0	-132.5	-66.9	0.00	0.00	0.00	
5,000.0	5.02	238.55	4,993.0	-85.6	-139.9	-70.7	0.00	0.00	0.00	
5,100.0	5.02	238.55	5,092.6	-90.2	-147.4	-74.5	0.00	0.00	0.00	
5,200.0	5.02	238.55	5,192.2	-94.7	-154.9	-78.3	0.00	0.00	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)	
5,300.0	5.02	238.55	5,291.8	-99.3	-162.3	-82.0	0.00	0.00	0.00	
5,400.0	5.02	238.55	5,391.4	-103.9	-169.8	-85.8	0.00	0.00	0.00	
5,500.0	5.02	238.55	5,491.1	-108.4	-177.2	-89.6	0.00	0.00	0.00	
5,600.0	5.02	238.55	5,590.7	-113.0	-184.7	-93.3	0.00	0.00	0.00	
5,700.0	5.02	238.55	5,690.3	-117.6	-192.2	-97.1	0.00	0.00	0.00	
5,800.0	5.02	238.55	5,789.9	-122.1	-199.6	-100.9	0.00	0.00	0.00	
5,900.0	5.02	238.55	5,889.5	-126.7	-207.1	-104.7	0.00	0.00	0.00	
6,000.0	5.02	238.55	5,989.1	-131.3	-214.6	-108.4	0.00	0.00	0.00	
6,100.0	5.02	238.55	6,088.8	-135.8	-222.0	-112.2	0.00	0.00	0.00	
6,200.0	5.02	238.55	6,188.4	-140.4	-229.5	-116.0	0.00	0.00	0.00	
6,300.0	5.02	238.55	6,288.0	-145.0	-237.0	-119.7	0.00	0.00	0.00	
6,400.0	5.02	238.55	6,387.6	-149.5	-244.4	-123.5	0.00	0.00	0.00	
6,500.0	5.02	238.55	6,487.2	-154.1	-251.9	-127.3	0.00	0.00	0.00	
6,600.0	5.02	238.55	6,586.8	-158.7	-259.4	-131.1	0.00	0.00	0.00	
6,700.0	5.02	238.55	6,686.4	-163.2	-266.8	-134.8	0.00	0.00	0.00	
6,800.0	5.02	238.55	6,786.1	-167.8	-274.3	-138.6	0.00	0.00	0.00	
6,900.0	5.02	238.55	6,885.7	-172.3	-281.7	-142.4	0.00	0.00	0.00	
7,000.0	5.02	238.55	6,985.3	-176.9	-289.2	-146.1	0.00	0.00	0.00	
7,100.0	5.02	238.55	7,084.9	-181.5	-296.7	-149.9	0.00	0.00	0.00	
7,200.0	5.02	238.55	7,184.5	-186.0	-304.1	-153.7	0.00	0.00	0.00	
7,300.0	5.02	238.55	7,284.1	-190.6	-311.6	-157.5	0.00	0.00	0.00	
7,400.0	5.02	238.55	7,383.8	-195.2	-319.1	-161.2	0.00	0.00	0.00	
7,500.0	5.02	238.55	7,483.4	-199.7	-326.5	-165.0	0.00	0.00	0.00	
7,600.0	5.02	238.55	7,583.0	-204.3	-334.0	-168.8	0.00	0.00	0.00	
7,700.0	5.02	238.55	7,682.6	-208.9	-341.5	-172.6	0.00	0.00	0.00	
7,800.0	5.02	238.55	7,782.2	-213.4	-348.9	-176.3	0.00	0.00	0.00	
7,900.0	5.02	238.55	7,881.8	-218.0	-356.4	-180.1	0.00	0.00	0.00	
8,000.0	5.02	238.55	7,981.5	-222.6	-363.9	-183.9	0.00	0.00	0.00	
8,100.0	5.02	238.55	8,081.1	-227.1	-371.3	-187.6	0.00	0.00	0.00	
8,200.0	5.02	238.55	8,180.7	-231.7	-378.8	-191.4	0.00	0.00	0.00	
8,300.0	5.02	238.55	8,280.3	-236.3	-386.2	-195.2	0.00	0.00	0.00	
8,400.0	5.02	238.55	8,379.9	-240.8	-393.7	-199.0	0.00	0.00	0.00	
8,500.0	5.02	238.55	8,479.5	-245.4	-401.2	-202.7	0.00	0.00	0.00	
8,600.0	5.02	238.55	8,579.2	-250.0	-408.6	-206.5	0.00	0.00	0.00	
8,700.0	5.02	238.55	8,678.8	-254.5	-416.1	-210.3	0.00	0.00	0.00	
8,800.0	5.02	238.55	8,778.4	-259.1	-423.6	-214.0	0.00	0.00	0.00	
8,900.0	5.02	238.55	8,878.0	-263.7	-431.0	-217.8	0.00	0.00	0.00	
9,000.0	5.02	238.55	8,977.6	-268.2	-438.5	-221.6	0.00	0.00	0.00	
9,100.0	5.02	238.55	9,077.2	-272.8	-446.0	-225.4	0.00	0.00	0.00	
9,175.9	5.02	238.55	9,152.8	-276.3	-451.6	-228.2	0.00	0.00	0.00	
9,200.0	4.54	238.55	9,176.9	-277.3	-453.3	-229.1	2.00	-2.00	0.00	
9,300.0	2.54	238.55	9,276.7	-280.5	-458.6	-231.7	2.00	-2.00	0.00	
9,400.0	0.54	238.55	9,376.6	-281.9	-460.9	-232.9	2.00	-2.00	0.00	
9,426.9	0.00	0.00	9,403.5	-282.0	-461.0	-233.0	2.00	-2.00	0.00	
9,450.0	2.78	359.53	9,426.6	-281.4	-461.0	-232.4	12.00	12.00	0.00	
9,475.0	5.78	359.53	9,451.6	-279.6	-461.0	-230.5	12.00	12.00	0.00	
9,500.0	8.78	359.53	9,476.3	-276.4	-461.0	-227.4	12.00	12.00	0.00	
9,525.0	11.78	359.53	9,500.9	-272.0	-461.1	-223.0	12.00	12.00	0.00	
9,550.0	14.78	359.53	9,525.3	-266.2	-461.1	-217.2	12.00	12.00	0.00	
9,575.0	17.78	359.53	9,549.3	-259.2	-461.2	-210.3	12.00	12.00	0.00	
9,600.0	20.78	359.53	9,572.9	-251.0	-461.3	-202.1	12.00	12.00	0.00	
9,625.0	23.78	359.53	9,596.0	-241.5	-461.3	-192.6	12.00	12.00	0.00	
9,650.0	26.78	359.53	9,618.6	-230.8	-461.4	-182.0	12.00	12.00	0.00	
9,675.0	29.78	359.53	9,640.6	-219.0	-461.5	-170.2	12.00	12.00	0.00	

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Site:	Gladiator 34 State Com	North Reference:	Grid
Well:	#301H	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)
9,700.0	32.78	359.53	9,662.0	-206.0	-461.6	-157.3	12.00	12.00	0.00
9,725.0	35.78	359.53	9,682.6	-191.9	-461.7	-143.3	12.00	12.00	0.00
9,750.0	38.78	359.53	9,702.5	-176.8	-461.9	-128.2	12.00	12.00	0.00
9,775.0	41.78	359.53	9,721.6	-160.6	-462.0	-112.1	12.00	12.00	0.00
9,800.0	44.78	359.53	9,739.8	-143.5	-462.1	-95.1	12.00	12.00	0.00
9,825.0	47.78	359.53	9,757.1	-125.4	-462.3	-77.1	12.00	12.00	0.00
9,850.0	50.78	359.53	9,773.4	-106.5	-462.4	-58.2	12.00	12.00	0.00
9,875.0	53.78	359.53	9,788.7	-86.7	-462.6	-38.5	12.00	12.00	0.00
9,900.0	56.78	359.53	9,802.9	-66.2	-462.8	-18.1	12.00	12.00	0.00
9,925.0	59.78	359.53	9,816.1	-44.9	-462.9	3.1	12.00	12.00	0.00
9,950.0	62.78	359.53	9,828.1	-23.0	-463.1	24.9	12.00	12.00	0.00
9,975.0	65.78	359.53	9,838.9	-0.5	-463.3	47.3	12.00	12.00	0.00
10,000.0	68.78	359.53	9,848.6	22.6	-463.5	70.3	12.00	12.00	0.00
10,025.0	71.78	359.53	9,857.0	46.1	-463.7	93.7	12.00	12.00	0.00
10,050.0	74.78	359.53	9,864.2	70.1	-463.9	117.5	12.00	12.00	0.00
10,075.0	77.78	359.53	9,870.1	94.4	-464.1	141.7	12.00	12.00	0.00
10,100.0	80.78	359.53	9,874.8	118.9	-464.3	166.2	12.00	12.00	0.00
10,125.0	83.78	359.53	9,878.2	143.7	-464.5	190.8	12.00	12.00	0.00
10,150.0	86.78	359.53	9,880.2	168.6	-464.7	215.6	12.00	12.00	0.00
10,176.9	90.00	359.53	9,881.0	195.4	-464.9	242.3	12.00	12.00	0.00
10,200.0	90.00	359.53	9,881.0	218.6	-465.1	265.4	0.00	0.00	0.00
10,300.0	90.00	359.53	9,881.0	318.6	-465.9	364.9	0.00	0.00	0.00
10,400.0	90.00	359.53	9,881.0	418.6	-466.7	464.5	0.00	0.00	0.00
10,500.0	90.00	359.53	9,881.0	518.6	-467.5	564.0	0.00	0.00	0.00
10,600.0	90.00	359.53	9,881.0	618.6	-468.4	663.6	0.00	0.00	0.00
10,700.0	90.00	359.53	9,881.0	718.6	-469.2	763.1	0.00	0.00	0.00
10,800.0	90.00	359.53	9,881.0	818.6	-470.0	862.7	0.00	0.00	0.00
10,900.0	90.00	359.53	9,881.0	918.6	-470.8	962.2	0.00	0.00	0.00
11,000.0	90.00	359.53	9,881.0	1,018.6	-471.6	1,061.8	0.00	0.00	0.00
11,100.0	90.00	359.53	9,881.0	1,118.6	-472.5	1,161.3	0.00	0.00	0.00
11,200.0	90.00	359.53	9,881.0	1,218.5	-473.3	1,260.9	0.00	0.00	0.00
11,300.0	90.00	359.53	9,881.0	1,318.5	-474.1	1,360.4	0.00	0.00	0.00
11,400.0	90.00	359.53	9,881.0	1,418.5	-474.9	1,459.9	0.00	0.00	0.00
11,500.0	90.00	359.53	9,881.0	1,518.5	-475.7	1,559.5	0.00	0.00	0.00
11,600.0	90.00	359.53	9,881.0	1,618.5	-476.5	1,659.0	0.00	0.00	0.00
11,700.0	90.00	359.53	9,881.0	1,718.5	-477.4	1,758.6	0.00	0.00	0.00
11,800.0	90.00	359.53	9,881.0	1,818.5	-478.2	1,858.1	0.00	0.00	0.00
11,900.0	90.00	359.53	9,881.0	1,918.5	-479.0	1,957.7	0.00	0.00	0.00
12,000.0	90.00	359.53	9,881.0	2,018.5	-479.8	2,057.2	0.00	0.00	0.00
12,100.0	90.00	359.53	9,881.0	2,118.5	-480.6	2,156.8	0.00	0.00	0.00
12,200.0	90.00	359.53	9,881.0	2,218.5	-481.5	2,256.3	0.00	0.00	0.00
12,300.0	90.00	359.53	9,881.0	2,318.5	-482.3	2,355.9	0.00	0.00	0.00
12,400.0	90.00	359.53	9,881.0	2,418.5	-483.1	2,455.4	0.00	0.00	0.00
12,500.0	90.00	359.53	9,881.0	2,518.5	-483.9	2,555.0	0.00	0.00	0.00
12,600.0	90.00	359.53	9,881.0	2,618.5	-484.7	2,654.5	0.00	0.00	0.00
12,700.0	90.00	359.53	9,881.0	2,718.5	-485.5	2,754.1	0.00	0.00	0.00
12,800.0	90.00	359.53	9,881.0	2,818.5	-486.4	2,853.6	0.00	0.00	0.00
12,900.0	90.00	359.53	9,881.0	2,918.5	-487.2	2,953.2	0.00	0.00	0.00
13,000.0	90.00	359.53	9,881.0	3,018.5	-488.0	3,052.7	0.00	0.00	0.00
13,100.0	90.00	359.53	9,881.0	3,118.5	-488.8	3,152.3	0.00	0.00	0.00
13,200.0	90.00	359.53	9,881.0	3,218.5	-489.6	3,251.8	0.00	0.00	0.00
13,300.0	90.00	359.53	9,881.0	3,318.5	-490.5	3,351.4	0.00	0.00	0.00
13,400.0	90.00	359.53	9,881.0	3,418.5	-491.3	3,450.9	0.00	0.00	0.00
13,500.0	90.00	359.53	9,881.0	3,518.5	-492.1	3,550.5	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #301H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3432.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3432.0usft
Site:	Gladiator 34 State Com	North Reference:	Grid
Well:	#301H	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)
13,600.0	90.00	359.53	9,881.0	3,618.5	-492.9	3,650.0	0.00	0.00	0.00
13,700.0	90.00	359.53	9,881.0	3,718.5	-493.7	3,749.6	0.00	0.00	0.00
13,800.0	90.00	359.53	9,881.0	3,818.5	-494.5	3,849.1	0.00	0.00	0.00
13,900.0	90.00	359.53	9,881.0	3,918.5	-495.4	3,948.6	0.00	0.00	0.00
14,000.0	90.00	359.53	9,881.0	4,018.5	-496.2	4,048.2	0.00	0.00	0.00
14,100.0	90.00	359.53	9,881.0	4,118.5	-497.0	4,147.7	0.00	0.00	0.00
14,200.0	90.00	359.53	9,881.0	4,218.4	-497.8	4,247.3	0.00	0.00	0.00
14,300.0	90.00	359.53	9,881.0	4,318.4	-498.6	4,346.8	0.00	0.00	0.00
14,400.0	90.00	359.53	9,881.0	4,418.4	-499.5	4,446.4	0.00	0.00	0.00
14,500.0	90.00	359.53	9,881.0	4,518.4	-500.3	4,545.9	0.00	0.00	0.00
14,600.0	90.00	359.53	9,881.0	4,618.4	-501.1	4,645.5	0.00	0.00	0.00
14,700.0	90.00	359.53	9,881.0	4,718.4	-501.9	4,745.0	0.00	0.00	0.00
14,800.0	90.00	359.53	9,881.0	4,818.4	-502.7	4,844.6	0.00	0.00	0.00
14,833.6	90.00	359.53	9,881.0	4,852.0	-503.0	4,878.0	0.00	0.00	0.00

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(Glad 34 state #301 - plan hits target center - Point	0.00	0.00	9,403.5	-282.0	-461.0	457,483.00	841,315.00	32° 15' 14.289 N	103° 21' 46.665 W
PBHL(Glad 34 state #30 - plan hits target center - Point	0.00	0.00	9,881.0	4,852.0	-503.0	462,617.00	841,273.00	32° 16' 5.092 N	103° 21' 46.614 W
FTP(Glad 34 state #301 - plan misses target center by 163.5usft at 9825.1usft MD (9757.1 TVD, -125.4 N, -462.3 E) - Point	0.00	0.00	9,881.0	-232.0	-461.0	457,533.00	841,315.00	32° 15' 14.784 N	103° 21' 46.660 W



Lea County, NM (NAD 83 NME)

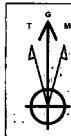
Gladiator 34 State Com

#301H

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: 47823.2mT
Dip Angle: 60.10°
Date: 12/19/2016
Model: IGRF2016

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: #301H

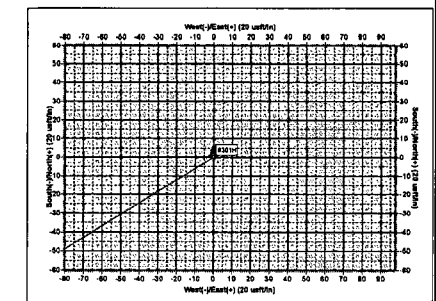
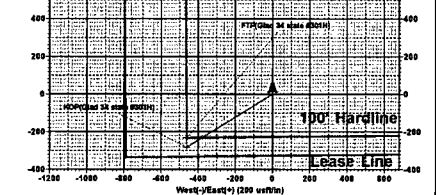
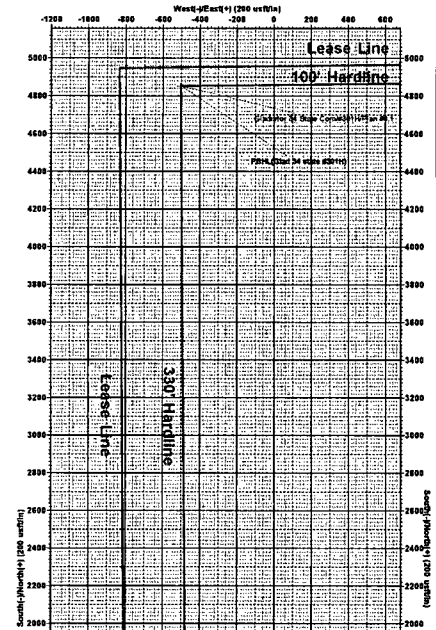
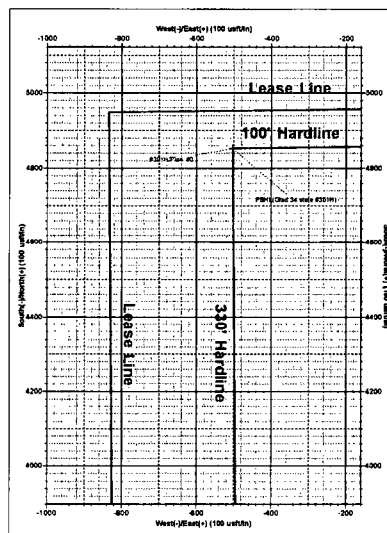
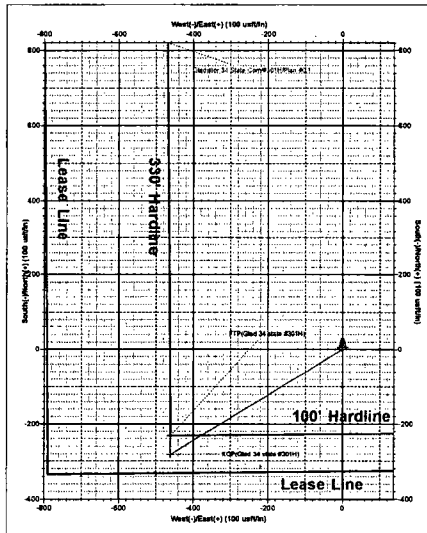
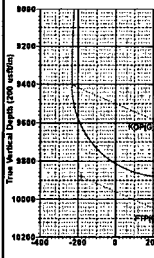
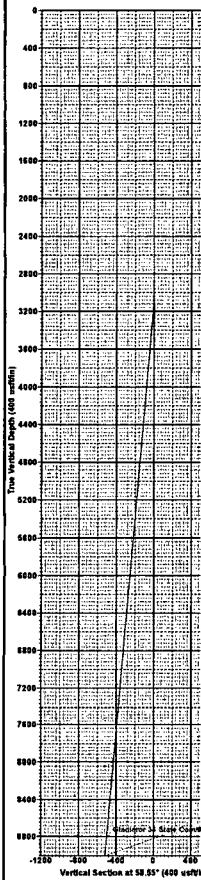
	+N/-S	+E/-W	Northing	KB = 25 @ 3432.0usft	Easting	Latitude	Longitude	Spot
	0.0	0.0	457765.00		841776.00	32° 15' 17.038 N	103° 21' 41.267 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFaca	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	3251.0	5.02	238.55	3250.7	-5.7	-9.4	2.00	238.55	-4.7	
4	9175.9	5.02	238.55	9152.8	-276.3	-451.6	0.00	0.00	-228.2	
5	9426.9	0.00	0.00	9403.5	-282.0	-461.0	2.00	180.00	-233.0	KOP(Glad 34 state #301H)
6	10176.9	90.00	359.53	9881.0	195.4	-484.9	12.00	359.53	242.3	PBHL(Glad 34 state #301H)
7	14633.6	90.00	359.53	9881.0	4852.0	-503.0	0.00	0.00	4878.0	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
KOP(Glad 34 state #301H)	9403.5	-282.0	-461.0	457483.00	841316.00	Point
FTP(Glad 34 state #301H)	9881.0	232.0	-461.0	457633.00	841316.00	Point
PBHL(Glad 34 state #301H)	9881.0	4852.0	-603.0	462617.00	841273.00	Point



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Scale