



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Lomas Rojas 26 State

#504H

OH

Plan: Plan #0.1

Standard Planning Report

23 October, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #504H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3371.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3371.0usft
Site:	Lomas Rojas 26 State	North Reference:	Grid
Well:	#504H	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	Lomas Rojas 26 State				
Site Position:		Northing:	403,501.00 usft	Latitude:	32° 6' 24.522 N
From:	Map	Easting:	787,324.00 usft	Longitude:	103° 32' 19.992 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#504H					
Well Position	+N/-S	-10.0 usft	Northing:	403,491.00 usft	Latitude:	32° 6' 24.528 N
	+E/-W	-1,437.0 usft	Easting:	785,887.00 usft	Longitude:	103° 32' 36.699 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,346.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/23/2018	6.79	59.94	47,733.26416001

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	187.45	

Plan Survey Tool Program	Date 10/23/2018				
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	15,767.3 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	
3,372.4	7.45	316.65	3,371.3	17.6	-16.6	2.00	2.00	0.00	316.65	
9,990.5	7.45	316.65	9,933.7	641.4	-605.4	0.00	0.00	0.00	0.00	
10,362.9	0.00	0.00	10,305.0	659.0	-622.0	2.00	-2.00	0.00	180.00	KOP (Lomas Rojas 26)
11,104.6	89.00	179.59	10,782.4	189.9	-618.6	12.00	12.00	24.21	179.59	
15,767.3	89.00	179.59	10,864.0	-4,472.0	-585.0	0.00	0.00	0.00	0.00	PBHL (Lomas Rojas 26)



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Site:	Lomas Rojas 26 State	North Reference:	Grid
Well:	#504H	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	316.65	3,100.0	1.3	-1.2	-1.1	2.00	2.00	0.00
3,200.0	4.00	316.65	3,199.8	5.1	-4.8	-4.4	2.00	2.00	0.00
3,300.0	6.00	316.65	3,299.5	11.4	-10.8	-9.9	2.00	2.00	0.00
3,372.4	7.45	316.65	3,371.3	17.6	-16.6	-15.3	2.00	2.00	0.00
3,400.0	7.45	316.65	3,398.7	20.2	-19.0	-17.5	0.00	0.00	0.00
3,500.0	7.45	316.65	3,497.9	29.6	-27.9	-25.7	0.00	0.00	0.00
3,600.0	7.45	316.65	3,597.0	39.0	-36.8	-33.9	0.00	0.00	0.00
3,700.0	7.45	316.65	3,696.2	48.5	-45.7	-42.1	0.00	0.00	0.00
3,800.0	7.45	316.65	3,795.3	57.9	-54.6	-50.3	0.00	0.00	0.00
3,900.0	7.45	316.65	3,894.5	67.3	-63.5	-58.5	0.00	0.00	0.00
4,000.0	7.45	316.65	3,993.7	76.7	-72.4	-66.7	0.00	0.00	0.00
4,100.0	7.45	316.65	4,092.8	86.2	-81.3	-74.9	0.00	0.00	0.00
4,200.0	7.45	316.65	4,192.0	95.6	-90.2	-83.1	0.00	0.00	0.00
4,300.0	7.45	316.65	4,291.1	105.0	-99.1	-91.3	0.00	0.00	0.00
4,400.0	7.45	316.65	4,390.3	114.4	-108.0	-99.5	0.00	0.00	0.00
4,500.0	7.45	316.65	4,489.4	123.9	-116.9	-107.7	0.00	0.00	0.00
4,600.0	7.45	316.65	4,588.6	133.3	-125.8	-115.8	0.00	0.00	0.00
4,700.0	7.45	316.65	4,687.8	142.7	-134.7	-124.0	0.00	0.00	0.00
4,800.0	7.45	316.65	4,786.9	152.1	-143.6	-132.2	0.00	0.00	0.00
4,900.0	7.45	316.65	4,886.1	161.6	-152.5	-140.4	0.00	0.00	0.00
5,000.0	7.45	316.65	4,985.2	171.0	-161.4	-148.6	0.00	0.00	0.00
5,100.0	7.45	316.65	5,084.4	180.4	-170.3	-156.8	0.00	0.00	0.00
5,200.0	7.45	316.65	5,183.5	189.9	-179.2	-165.0	0.00	0.00	0.00



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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)
5,300.0	7.45	316.65	5,282.7	199.3	-188.1	-173.2	0.00	0.00	0.00
5,400.0	7.45	316.65	5,381.8	208.7	-197.0	-181.4	0.00	0.00	0.00
5,500.0	7.45	316.65	5,481.0	218.1	-205.9	-189.6	0.00	0.00	0.00
5,600.0	7.45	316.65	5,580.2	227.6	-214.8	-197.8	0.00	0.00	0.00
5,700.0	7.45	316.65	5,679.3	237.0	-223.7	-206.0	0.00	0.00	0.00
5,800.0	7.45	316.65	5,778.5	246.4	-232.6	-214.2	0.00	0.00	0.00
5,900.0	7.45	316.65	5,877.6	255.8	-241.5	-222.4	0.00	0.00	0.00
6,000.0	7.45	316.65	5,976.8	265.3	-250.4	-230.5	0.00	0.00	0.00
6,100.0	7.45	316.65	6,075.9	274.7	-259.3	-238.7	0.00	0.00	0.00
6,200.0	7.45	316.65	6,175.1	284.1	-268.2	-246.9	0.00	0.00	0.00
6,300.0	7.45	316.65	6,274.3	293.5	-277.1	-255.1	0.00	0.00	0.00
6,400.0	7.45	316.65	6,373.4	303.0	-286.0	-263.3	0.00	0.00	0.00
6,500.0	7.45	316.65	6,472.6	312.4	-294.9	-271.5	0.00	0.00	0.00
6,600.0	7.45	316.65	6,571.7	321.8	-303.8	-279.7	0.00	0.00	0.00
6,700.0	7.45	316.65	6,670.9	331.2	-312.6	-287.9	0.00	0.00	0.00
6,800.0	7.45	316.65	6,770.0	340.7	-321.5	-296.1	0.00	0.00	0.00
6,900.0	7.45	316.65	6,869.2	350.1	-330.4	-304.3	0.00	0.00	0.00
7,000.0	7.45	316.65	6,968.3	359.5	-339.3	-312.5	0.00	0.00	0.00
7,100.0	7.45	316.65	7,067.5	369.0	-348.2	-320.7	0.00	0.00	0.00
7,200.0	7.45	316.65	7,166.7	378.4	-357.1	-328.9	0.00	0.00	0.00
7,300.0	7.45	316.65	7,265.8	387.8	-366.0	-337.1	0.00	0.00	0.00
7,400.0	7.45	316.65	7,365.0	397.2	-374.9	-345.2	0.00	0.00	0.00
7,500.0	7.45	316.65	7,464.1	406.7	-383.8	-353.4	0.00	0.00	0.00
7,600.0	7.45	316.65	7,563.3	416.1	-392.7	-361.6	0.00	0.00	0.00
7,700.0	7.45	316.65	7,662.4	425.5	-401.6	-369.8	0.00	0.00	0.00
7,800.0	7.45	316.65	7,761.6	434.9	-410.5	-378.0	0.00	0.00	0.00
7,900.0	7.45	316.65	7,860.8	444.4	-419.4	-386.2	0.00	0.00	0.00
8,000.0	7.45	316.65	7,959.9	453.8	-428.3	-394.4	0.00	0.00	0.00
8,100.0	7.45	316.65	8,059.1	463.2	-437.2	-402.6	0.00	0.00	0.00
8,200.0	7.45	316.65	8,158.2	472.6	-446.1	-410.8	0.00	0.00	0.00
8,300.0	7.45	316.65	8,257.4	482.1	-455.0	-419.0	0.00	0.00	0.00
8,400.0	7.45	316.65	8,356.5	491.5	-463.9	-427.2	0.00	0.00	0.00
8,500.0	7.45	316.65	8,455.7	500.9	-472.8	-435.4	0.00	0.00	0.00
8,600.0	7.45	316.65	8,554.9	510.3	-481.7	-443.6	0.00	0.00	0.00
8,700.0	7.45	316.65	8,654.0	519.8	-490.6	-451.7	0.00	0.00	0.00
8,800.0	7.45	316.65	8,753.2	529.2	-499.5	-459.9	0.00	0.00	0.00
8,900.0	7.45	316.65	8,852.3	538.6	-508.4	-468.1	0.00	0.00	0.00
9,000.0	7.45	316.65	8,951.5	548.1	-517.3	-476.3	0.00	0.00	0.00
9,100.0	7.45	316.65	9,050.6	557.5	-526.2	-484.5	0.00	0.00	0.00
9,200.0	7.45	316.65	9,149.8	566.9	-535.1	-492.7	0.00	0.00	0.00
9,300.0	7.45	316.65	9,248.9	576.3	-544.0	-500.9	0.00	0.00	0.00
9,400.0	7.45	316.65	9,348.1	585.8	-552.9	-509.1	0.00	0.00	0.00
9,500.0	7.45	316.65	9,447.3	595.2	-561.8	-517.3	0.00	0.00	0.00
9,600.0	7.45	316.65	9,546.4	604.6	-570.7	-525.5	0.00	0.00	0.00
9,700.0	7.45	316.65	9,645.6	614.0	-579.6	-533.7	0.00	0.00	0.00
9,800.0	7.45	316.65	9,744.7	623.5	-588.5	-541.9	0.00	0.00	0.00
9,900.0	7.45	316.65	9,843.9	632.9	-597.4	-550.1	0.00	0.00	0.00
9,990.5	7.45	316.65	9,933.7	641.4	-605.4	-557.5	0.00	0.00	0.00
10,000.0	7.26	316.65	9,943.0	642.3	-606.2	-558.2	2.00	-2.00	0.00
10,100.0	5.26	316.65	10,042.4	650.2	-613.7	-565.1	2.00	-2.00	0.00
10,200.0	3.26	316.65	10,142.2	655.6	-618.8	-569.8	2.00	-2.00	0.00
10,300.0	1.26	316.65	10,242.1	658.5	-621.5	-572.3	2.00	-2.00	0.00
10,362.9	0.00	0.00	10,305.0	659.0	-622.0	-572.8	2.00	-2.00	0.00



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Site:	Lomas Rojas 26 State	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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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)
KOP (Lomas Rojas 26 State #504H)									
10,375.0	1.45	179.59	10,317.1	658.8	-622.0	-572.6	12.00	12.00	0.00
10,400.0	4.45	179.59	10,342.0	657.6	-622.0	-571.3	12.00	12.00	0.00
10,425.0	7.45	179.59	10,366.9	655.0	-622.0	-568.8	12.00	12.00	0.00
10,450.0	10.45	179.59	10,391.6	651.1	-621.9	-564.9	12.00	12.00	0.00
10,475.0	13.45	179.59	10,416.0	645.9	-621.9	-559.8	12.00	12.00	0.00
10,500.0	16.45	179.59	10,440.2	639.5	-621.9	-553.4	12.00	12.00	0.00
10,525.0	19.45	179.59	10,464.0	631.8	-621.8	-545.8	12.00	12.00	0.00
10,550.0	22.45	179.59	10,487.3	622.8	-621.7	-536.9	12.00	12.00	0.00
10,575.0	25.45	179.59	10,510.2	612.7	-621.7	-526.9	12.00	12.00	0.00
10,600.0	28.45	179.59	10,532.5	601.3	-621.6	-515.6	12.00	12.00	0.00
10,625.0	31.45	179.59	10,554.1	588.9	-621.5	-503.3	12.00	12.00	0.00
10,650.0	34.45	179.59	10,575.1	575.3	-621.4	-489.8	12.00	12.00	0.00
10,675.0	37.45	179.59	10,595.3	560.6	-621.3	-475.3	12.00	12.00	0.00
10,700.0	40.45	179.59	10,614.8	544.9	-621.2	-459.7	12.00	12.00	0.00
10,725.0	43.45	179.59	10,633.4	528.2	-621.1	-443.2	12.00	12.00	0.00
10,750.0	46.45	179.59	10,651.0	510.5	-620.9	-425.7	12.00	12.00	0.00
10,775.0	49.45	179.59	10,667.8	492.0	-620.8	-407.3	12.00	12.00	0.00
10,800.0	52.45	179.59	10,683.5	472.5	-620.7	-388.0	12.00	12.00	0.00
FTP (Lomas Rojas 26 State #504H)									
10,825.0	55.45	179.59	10,698.2	452.3	-620.5	-368.0	12.00	12.00	0.00
10,850.0	58.45	179.59	10,711.9	431.4	-620.4	-347.3	12.00	12.00	0.00
10,875.0	61.45	179.59	10,724.4	409.7	-620.2	-325.8	12.00	12.00	0.00
10,900.0	64.45	179.59	10,735.8	387.5	-620.0	-303.8	12.00	12.00	0.00
10,925.0	67.45	179.59	10,746.0	364.7	-619.9	-281.2	12.00	12.00	0.00
10,950.0	70.45	179.59	10,754.9	341.3	-619.7	-258.1	12.00	12.00	0.00
10,975.0	73.45	179.59	10,762.7	317.6	-619.5	-234.5	12.00	12.00	0.00
11,000.0	76.45	179.59	10,769.2	293.4	-619.4	-210.6	12.00	12.00	0.00
11,025.0	79.45	179.59	10,774.4	269.0	-619.2	-186.4	12.00	12.00	0.00
11,050.0	82.45	179.59	10,778.3	244.3	-619.0	-161.9	12.00	12.00	0.00
11,075.0	85.45	179.59	10,781.0	219.4	-618.8	-137.3	12.00	12.00	0.00
11,100.0	88.45	179.59	10,782.3	194.5	-618.7	-112.6	12.00	12.00	0.00
11,104.6	89.00	179.59	10,782.4	189.9	-618.6	-108.1	12.00	12.00	0.00
11,200.0	89.00	179.59	10,784.1	94.5	-617.9	-13.5	0.00	0.00	0.00
11,300.0	89.00	179.59	10,785.8	-5.5	-617.2	85.5	0.00	0.00	0.00
11,400.0	89.00	179.59	10,787.6	-105.5	-616.5	184.5	0.00	0.00	0.00
11,500.0	89.00	179.59	10,789.3	-205.5	-615.8	283.6	0.00	0.00	0.00
11,600.0	89.00	179.59	10,791.1	-305.4	-615.0	382.6	0.00	0.00	0.00
11,700.0	89.00	179.59	10,792.8	-405.4	-614.3	481.7	0.00	0.00	0.00
11,800.0	89.00	179.59	10,794.6	-505.4	-613.6	580.7	0.00	0.00	0.00
11,900.0	89.00	179.59	10,796.3	-605.4	-612.9	679.8	0.00	0.00	0.00
12,000.0	89.00	179.59	10,798.1	-705.4	-612.2	778.8	0.00	0.00	0.00
12,100.0	89.00	179.59	10,799.8	-805.3	-611.4	877.9	0.00	0.00	0.00
12,200.0	89.00	179.59	10,801.6	-905.3	-610.7	976.9	0.00	0.00	0.00
12,300.0	89.00	179.59	10,803.3	-1,005.3	-610.0	1,075.9	0.00	0.00	0.00
12,400.0	89.00	179.59	10,805.1	-1,105.3	-609.3	1,175.0	0.00	0.00	0.00
12,500.0	89.00	179.59	10,806.8	-1,205.3	-608.6	1,274.0	0.00	0.00	0.00
12,600.0	89.00	179.59	10,808.6	-1,305.3	-607.8	1,373.1	0.00	0.00	0.00
12,700.0	89.00	179.59	10,810.3	-1,405.2	-607.1	1,472.1	0.00	0.00	0.00
12,800.0	89.00	179.59	10,812.1	-1,505.2	-606.4	1,571.2	0.00	0.00	0.00
12,900.0	89.00	179.59	10,813.8	-1,605.2	-605.7	1,670.2	0.00	0.00	0.00
13,000.0	89.00	179.59	10,815.6	-1,705.2	-605.0	1,769.2	0.00	0.00	0.00
13,100.0	89.00	179.59	10,817.3	-1,805.2	-604.2	1,868.3	0.00	0.00	0.00
13,200.0	89.00	179.59	10,819.1	-1,905.1	-603.5	1,967.3	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #504H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3371.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3371.0usft
Site:	Lomas Rojas 26 State	North Reference:	Grid
Well:	#504H	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)	
13,300.0	89.00	179.59	10,820.8	-2,005.1	-602.8	2,066.4	0.00	0.00	0.00	
13,400.0	89.00	179.59	10,822.6	-2,105.1	-602.1	2,165.4	0.00	0.00	0.00	
13,500.0	89.00	179.59	10,824.3	-2,205.1	-601.3	2,264.5	0.00	0.00	0.00	
13,600.0	89.00	179.59	10,826.1	-2,305.1	-600.6	2,363.5	0.00	0.00	0.00	
13,700.0	89.00	179.59	10,827.8	-2,405.1	-599.9	2,462.6	0.00	0.00	0.00	
13,800.0	89.00	179.59	10,829.6	-2,505.0	-599.2	2,561.6	0.00	0.00	0.00	
13,900.0	89.00	179.59	10,831.3	-2,605.0	-598.5	2,660.6	0.00	0.00	0.00	
14,000.0	89.00	179.59	10,833.1	-2,705.0	-597.7	2,759.7	0.00	0.00	0.00	
14,100.0	89.00	179.59	10,834.8	-2,805.0	-597.0	2,858.7	0.00	0.00	0.00	
14,200.0	89.00	179.59	10,836.6	-2,905.0	-596.3	2,957.8	0.00	0.00	0.00	
14,300.0	89.00	179.59	10,838.3	-3,005.0	-595.6	3,056.8	0.00	0.00	0.00	
14,400.0	89.00	179.59	10,840.1	-3,104.9	-594.9	3,155.9	0.00	0.00	0.00	
14,500.0	89.00	179.59	10,841.8	-3,204.9	-594.1	3,254.9	0.00	0.00	0.00	
14,600.0	89.00	179.59	10,843.6	-3,304.9	-593.4	3,354.0	0.00	0.00	0.00	
14,700.0	89.00	179.59	10,845.3	-3,404.9	-592.7	3,453.0	0.00	0.00	0.00	
14,800.0	89.00	179.59	10,847.1	-3,504.9	-592.0	3,552.0	0.00	0.00	0.00	
14,900.0	89.00	179.59	10,848.8	-3,604.8	-591.3	3,651.1	0.00	0.00	0.00	
15,000.0	89.00	179.59	10,850.6	-3,704.8	-590.5	3,750.1	0.00	0.00	0.00	
15,100.0	89.00	179.59	10,852.3	-3,804.8	-589.8	3,849.2	0.00	0.00	0.00	
15,200.0	89.00	179.59	10,854.1	-3,904.8	-589.1	3,948.2	0.00	0.00	0.00	
15,300.0	89.00	179.59	10,855.8	-4,004.8	-588.4	4,047.3	0.00	0.00	0.00	
15,400.0	89.00	179.59	10,857.6	-4,104.8	-587.6	4,146.3	0.00	0.00	0.00	
15,500.0	89.00	179.59	10,859.3	-4,204.7	-586.9	4,245.3	0.00	0.00	0.00	
15,600.0	89.00	179.59	10,861.1	-4,304.7	-586.2	4,344.4	0.00	0.00	0.00	
15,700.0	89.00	179.59	10,862.8	-4,404.7	-585.5	4,443.4	0.00	0.00	0.00	
15,767.3	89.00	179.59	10,864.0	-4,472.0	-585.0	4,510.1	0.00	0.00	0.00	
PBHL (Lomas Rojas 26 State #504H)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP (Lomas Rojas 26 S - hit/miss target - Shape - Point	0.00	0.00	10,305.0	659.0	-622.0	404,150.00	785,265.00	32° 6' 31.094 N	103° 32' 43.874 W	
PBHL (Lomas Rojas 26 : - plan hits target center - Point	0.00	0.00	10,864.0	-4,472.0	-585.0	399,019.00	785,302.00	32° 5' 40.318 N	103° 32' 43.880 W	
FTP (Lomas Rojas 26 S: - plan misses target center by 226.3usft at 10800.0usft MD (10683.5 TVD, 472.5 N, -620.7 E) - Point	0.00	0.00	10,864.0	609.0	-622.0	404,100.00	785,265.00	32° 6' 30.599 N	103° 32' 43.879 W	

HOBBS OCD
OCT 23 2018
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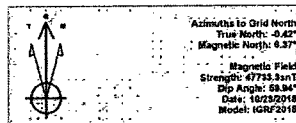
Lea County, NM (NAD 83 NME)
Lomas Rojas 26 State #504H
Plan #0.1

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

WELL DETAILS: #504H

KB = 25 @ 3371.0mft
Northing 403481.00 Easting 785687.00 Latitude 32° 6' 24.528 N Longitude 103° 32' 35.698 W



To convert a Magnetic Direction to a Grid Direction, Add 0.37°
To convert a Magnetic Direction to a True Direction, Add 0.19° East
To convert a True Direction to a Grid Direction, Subtract 0.17°

SECTION DETAILS

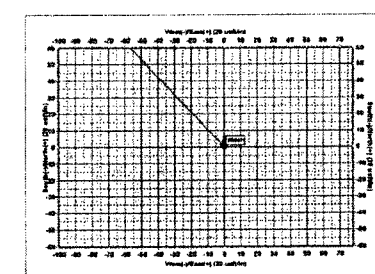
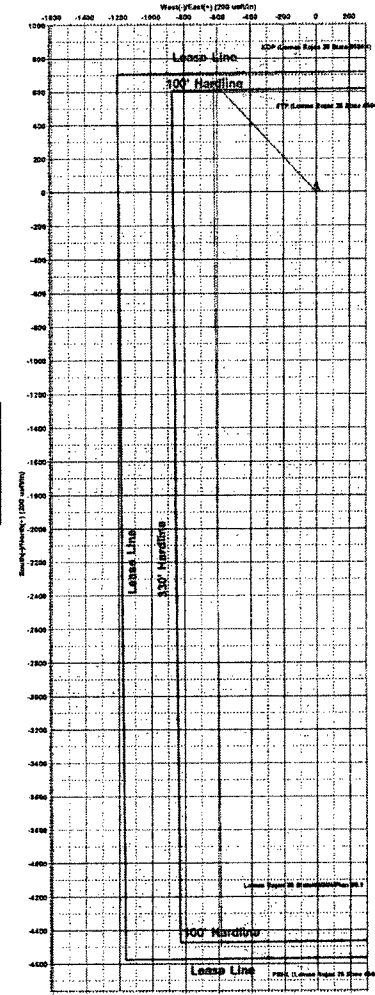
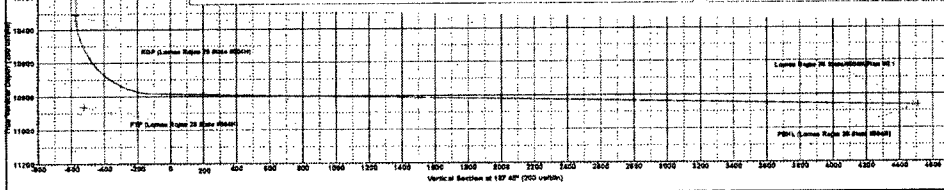
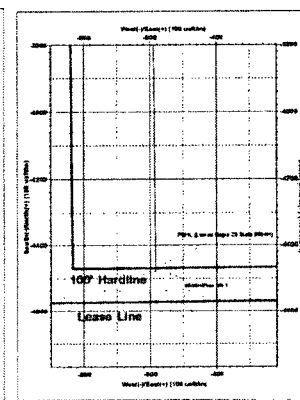
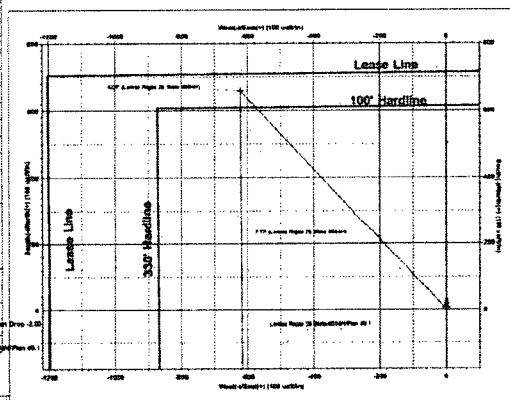
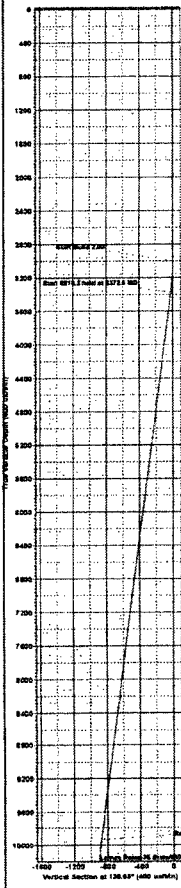
Sec	MD	Inc	Adj	TVD	+NI-S	+EI-W	Dleg	Tface	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3372.6	7.46	316.85	3371.3	17.6	-16.6	2.60	316.86	-16.3	
4	9990.5	7.46	316.85	9923.7	641.4	-405.4	0.00	0.00	-657.6	
5	10382.9	0.00	0.00	10382.9	659.0	-622.0	2.00	180.00	-672.8	KOP (Lomas Rojas 26 State #504H)
6	11104.6	89.00	179.59	10782.4	189.9	-418.6	12.00	179.59	-108.1	PBHL (Lomas Rojas 26 State #504H)
7	16767.3	89.00	179.59	10894.9	-4472.0	-685.9	0.00	0.00	4810.1	

CASING DETAILS

No casing data is available

WELLSHORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+NI-S	+EI-W	Northing	Easting
KOP (Lomas Rojas 26 State #504H)	10382.9	659.0	-622.0	404180.00	785396.00
FTP (Lomas Rojas 26 State #504H)	10946.0	606.0	-622.0	404100.00	785386.00
PBHL (Lomas Rojas 26 State #504H)	10894.9	-4472.0	-685.9	398016.00	785302.00



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