



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Mamba 30 State

#501H

OH

Plan: Plan #0.2

Standard Planning Report

05 July, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Mamba 30 State
Well: #501H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3576.0usft
MD Reference: KB = 25' @ 3576.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	Mamba 30 State			
Site Position:		Northing:	430,807.00 usft	Latitude: 32° 10' 56.143 N
From:	Map	Easting:	767,053.00 usft	Longitude: 103° 36' 13.509 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.39 °

Well	#501H			
Well Position:	+N/-S	4,164.0 usft	Northing: 434,971.00 usft	Latitude: 32° 11' 37.365 N
	+E/-W	-269.0 usft	Easting: 766,784.00 usft	Longitude: 103° 36' 16.310 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 3,551.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/25/2017	6.94	60.03	47,887.57139781

Design	Plan #0.2			
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	180.33

Plan Survey Tool Program	Date 7/5/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 0.0	16,145.9	Plan #0.2 (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	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,676.8	6.77	355.48	4,675.2	39.8	-3.1	1.00	1.00	0.00	355.48	
10,686.9	6.77	355.48	10,643.4	745.8	-59.0	0.00	0.00	0.00	0.00	
11,493.1	90.00	179.57	11,177.0	271.7	-59.9	12.00	10.32	-21.82	-175.88	
16,145.9	90.00	179.57	11,177.0	-4,381.0	-25.0	0.00	0.00	0.00	0.00	PBHL (Mamba 30 Sta



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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)
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	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	1.00	355.48	4,100.0	0.9	-0.1	-0.9	1.00	1.00	0.00
4,200.0	2.00	355.48	4,200.0	3.5	-0.3	-3.5	1.00	1.00	0.00
4,300.0	3.00	355.48	4,299.9	7.8	-0.6	-7.8	1.00	1.00	0.00
4,400.0	4.00	355.48	4,399.7	13.9	-1.1	-13.9	1.00	1.00	0.00
4,500.0	5.00	355.48	4,499.4	21.7	-1.7	-21.7	1.00	1.00	0.00
4,600.0	6.00	355.48	4,598.9	31.3	-2.5	-31.3	1.00	1.00	0.00
4,676.8	6.77	355.48	4,675.2	39.8	-3.1	-39.8	1.00	1.00	0.00
4,700.0	6.77	355.48	4,698.3	42.5	-3.4	-42.5	0.00	0.00	0.00
4,800.0	6.77	355.48	4,797.6	54.3	-4.3	-54.3	0.00	0.00	0.00
4,900.0	6.77	355.48	4,896.9	66.0	-5.2	-66.0	0.00	0.00	0.00
5,000.0	6.77	355.48	4,996.2	77.8	-6.1	-77.7	0.00	0.00	0.00
5,100.0	6.77	355.48	5,095.5	89.5	-7.1	-89.5	0.00	0.00	0.00
5,200.0	6.77	355.48	5,194.8	101.3	-8.0	-101.2	0.00	0.00	0.00



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5,300.0	6.77	355.48	5,294.1	113.0	-8.9	-113.0	0.00	0.00	0.00
5,400.0	6.77	355.48	5,393.4	124.8	-9.9	-124.7	0.00	0.00	0.00
5,500.0	6.77	355.48	5,492.7	136.5	-10.8	-136.4	0.00	0.00	0.00
5,600.0	6.77	355.48	5,592.0	148.3	-11.7	-148.2	0.00	0.00	0.00
5,700.0	6.77	355.48	5,691.3	160.0	-12.6	-159.9	0.00	0.00	0.00
5,800.0	6.77	355.48	5,790.6	171.8	-13.6	-171.7	0.00	0.00	0.00
5,900.0	6.77	355.48	5,889.9	183.5	-14.5	-183.4	0.00	0.00	0.00
6,000.0	6.77	355.48	5,989.2	195.2	-15.4	-195.2	0.00	0.00	0.00
6,100.0	6.77	355.48	6,088.5	207.0	-16.4	-206.9	0.00	0.00	0.00
6,200.0	6.77	355.48	6,187.8	218.7	-17.3	-218.6	0.00	0.00	0.00
6,300.0	6.77	355.48	6,287.1	230.5	-18.2	-230.4	0.00	0.00	0.00
6,400.0	6.77	355.48	6,386.4	242.2	-19.1	-242.1	0.00	0.00	0.00
6,500.0	6.77	355.48	6,485.7	254.0	-20.1	-253.9	0.00	0.00	0.00
6,600.0	6.77	355.48	6,585.0	265.7	-21.0	-265.6	0.00	0.00	0.00
6,700.0	6.77	355.48	6,684.3	277.5	-21.9	-277.4	0.00	0.00	0.00
6,800.0	6.77	355.48	6,783.6	289.2	-22.9	-289.1	0.00	0.00	0.00
6,900.0	6.77	355.48	6,882.9	301.0	-23.8	-300.8	0.00	0.00	0.00
7,000.0	6.77	355.48	6,982.2	312.7	-24.7	-312.6	0.00	0.00	0.00
7,100.0	6.77	355.48	7,081.5	324.5	-25.7	-324.3	0.00	0.00	0.00
7,200.0	6.77	355.48	7,180.8	336.2	-26.6	-336.1	0.00	0.00	0.00
7,300.0	6.77	355.48	7,280.1	348.0	-27.5	-347.8	0.00	0.00	0.00
7,400.0	6.77	355.48	7,379.5	359.7	-28.4	-359.5	0.00	0.00	0.00
7,500.0	6.77	355.48	7,478.8	371.5	-29.4	-371.3	0.00	0.00	0.00
7,600.0	6.77	355.48	7,578.1	383.2	-30.3	-383.0	0.00	0.00	0.00
7,700.0	6.77	355.48	7,677.4	395.0	-31.2	-394.8	0.00	0.00	0.00
7,800.0	6.77	355.48	7,776.7	406.7	-32.2	-406.5	0.00	0.00	0.00
7,900.0	6.77	355.48	7,876.0	418.5	-33.1	-418.3	0.00	0.00	0.00
8,000.0	6.77	355.48	7,975.3	430.2	-34.0	-430.0	0.00	0.00	0.00
8,100.0	6.77	355.48	8,074.6	441.9	-34.9	-441.7	0.00	0.00	0.00
8,200.0	6.77	355.48	8,173.9	453.7	-35.9	-453.5	0.00	0.00	0.00
8,300.0	6.77	355.48	8,273.2	465.4	-36.8	-465.2	0.00	0.00	0.00
8,400.0	6.77	355.48	8,372.5	477.2	-37.7	-477.0	0.00	0.00	0.00
8,500.0	6.77	355.48	8,471.8	488.9	-38.7	-488.7	0.00	0.00	0.00
8,600.0	6.77	355.48	8,571.1	500.7	-39.6	-500.5	0.00	0.00	0.00
8,700.0	6.77	355.48	8,670.4	512.4	-40.5	-512.2	0.00	0.00	0.00
8,800.0	6.77	355.48	8,769.7	524.2	-41.4	-523.9	0.00	0.00	0.00
8,900.0	6.77	355.48	8,869.0	535.9	-42.4	-535.7	0.00	0.00	0.00
9,000.0	6.77	355.48	8,968.3	547.7	-43.3	-547.4	0.00	0.00	0.00
9,100.0	6.77	355.48	9,067.6	559.4	-44.2	-559.2	0.00	0.00	0.00
9,200.0	6.77	355.48	9,166.9	571.2	-45.2	-570.9	0.00	0.00	0.00
9,300.0	6.77	355.48	9,266.2	582.9	-46.1	-582.6	0.00	0.00	0.00
9,400.0	6.77	355.48	9,365.5	594.7	-47.0	-594.4	0.00	0.00	0.00
9,500.0	6.77	355.48	9,464.8	606.4	-47.9	-606.1	0.00	0.00	0.00
9,600.0	6.77	355.48	9,564.1	618.2	-48.9	-617.9	0.00	0.00	0.00
9,700.0	6.77	355.48	9,663.4	629.9	-49.8	-629.6	0.00	0.00	0.00
9,800.0	6.77	355.48	9,762.7	641.7	-50.7	-641.4	0.00	0.00	0.00
9,900.0	6.77	355.48	9,862.0	653.4	-51.7	-653.1	0.00	0.00	0.00
10,000.0	6.77	355.48	9,961.3	665.2	-52.6	-664.8	0.00	0.00	0.00
10,100.0	6.77	355.48	10,060.6	676.9	-53.5	-676.6	0.00	0.00	0.00
10,200.0	6.77	355.48	10,159.9	688.6	-54.4	-688.3	0.00	0.00	0.00
10,300.0	6.77	355.48	10,259.2	700.4	-55.4	-700.1	0.00	0.00	0.00
10,400.0	6.77	355.48	10,358.5	712.1	-56.3	-711.8	0.00	0.00	0.00
10,500.0	6.77	355.48	10,457.9	723.9	-57.2	-723.6	0.00	0.00	0.00
10,600.0	6.77	355.48	10,557.2	735.6	-58.2	-735.3	0.00	0.00	0.00



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10,686.9	6.77	355.48	10,643.4	745.8	-59.0	-745.5	0.00	0.00	0.00
10,700.0	5.20	354.23	10,656.5	747.2	-59.1	-746.9	12.00	-11.96	-9.51
10,725.0	2.23	347.01	10,681.4	748.8	-59.3	-748.5	12.00	-11.88	-28.88
10,750.0	0.96	210.05	10,706.4	749.1	-59.5	-748.7	12.00	-5.09	-547.86
10,775.0	3.85	186.79	10,731.4	748.1	-59.7	-747.7	12.00	11.59	-93.04
10,800.0	6.84	183.62	10,756.3	745.8	-59.9	-745.4	12.00	11.95	-12.68
10,825.0	9.84	182.37	10,781.0	742.1	-60.1	-741.8	12.00	11.98	-4.99
10,850.0	12.83	181.70	10,805.5	737.2	-60.3	-736.9	12.00	11.99	-2.68
10,875.0	15.83	181.28	10,829.7	731.0	-60.4	-730.7	12.00	11.99	-1.68
10,900.0	18.83	180.99	10,853.6	723.6	-60.6	-723.2	12.00	12.00	-1.15
10,925.0	21.83	180.78	10,877.0	714.9	-60.7	-714.6	12.00	12.00	-0.85
10,950.0	24.83	180.62	10,900.0	705.0	-60.8	-704.7	12.00	12.00	-0.65
10,975.0	27.83	180.49	10,922.4	693.9	-60.9	-693.6	12.00	12.00	-0.52
11,000.0	30.83	180.38	10,944.2	681.7	-61.0	-681.3	12.00	12.00	-0.42
11,025.0	33.83	180.29	10,965.3	668.3	-61.1	-668.0	12.00	12.00	-0.36
11,050.0	36.83	180.22	10,985.7	653.9	-61.2	-653.5	12.00	12.00	-0.30
11,075.0	39.83	180.15	11,005.3	638.4	-61.2	-638.0	12.00	12.00	-0.26
11,100.0	42.83	180.09	11,024.1	621.9	-61.3	-621.5	12.00	12.00	-0.23
11,125.0	45.83	180.04	11,042.0	604.4	-61.3	-604.0	12.00	12.00	-0.21
11,144.8	48.20	180.00	11,055.5	589.9	-61.3	-589.6	12.00	12.00	-0.19
FTP (Mamba 30 State #501H)									
11,150.0	48.83	179.99	11,058.9	586.0	-61.3	-585.7	12.00	12.00	-0.18
11,175.0	51.83	179.95	11,074.9	566.8	-61.3	-566.4	12.00	12.00	-0.17
11,200.0	54.83	179.91	11,089.8	546.7	-61.2	-546.4	12.00	12.00	-0.16
11,225.0	57.83	179.88	11,103.7	525.9	-61.2	-525.6	12.00	12.00	-0.15
11,250.0	60.83	179.84	11,116.4	504.4	-61.2	-504.1	12.00	12.00	-0.14
11,275.0	63.82	179.81	11,128.0	482.3	-61.1	-481.9	12.00	12.00	-0.13
11,300.0	66.82	179.78	11,138.5	459.6	-61.0	-459.2	12.00	12.00	-0.12
11,325.0	69.82	179.75	11,147.7	436.3	-60.9	-436.0	12.00	12.00	-0.12
11,350.0	72.82	179.72	11,155.7	412.7	-60.8	-412.3	12.00	12.00	-0.11
11,375.0	75.82	179.69	11,162.5	388.6	-60.7	-388.2	12.00	12.00	-0.11
11,400.0	78.82	179.67	11,167.9	364.2	-60.5	-363.9	12.00	12.00	-0.11
11,425.0	81.82	179.64	11,172.1	339.6	-60.4	-339.2	12.00	12.00	-0.10
11,450.0	84.82	179.61	11,175.1	314.7	-60.2	-314.4	12.00	12.00	-0.10
11,475.0	87.82	179.59	11,176.7	289.8	-60.1	-289.5	12.00	12.00	-0.10
11,493.1	90.00	179.57	11,177.0	271.7	-59.9	-271.3	12.00	12.00	-0.10
11,500.0	90.00	179.57	11,177.0	264.8	-59.9	-264.5	0.00	0.00	0.00
11,600.0	90.00	179.57	11,177.0	164.8	-59.1	-164.5	0.00	0.00	0.00
11,700.0	90.00	179.57	11,177.0	64.8	-58.4	-64.5	0.00	0.00	0.00
11,800.0	90.00	179.57	11,177.0	-35.2	-57.6	35.5	0.00	0.00	0.00
11,900.0	90.00	179.57	11,177.0	-135.2	-56.9	135.5	0.00	0.00	0.00
12,000.0	90.00	179.57	11,177.0	-235.2	-56.1	235.5	0.00	0.00	0.00
12,100.0	90.00	179.57	11,177.0	-335.2	-55.4	335.5	0.00	0.00	0.00
12,200.0	90.00	179.57	11,177.0	-435.2	-54.6	435.5	0.00	0.00	0.00
12,300.0	90.00	179.57	11,177.0	-535.2	-53.9	535.5	0.00	0.00	0.00
12,400.0	90.00	179.57	11,177.0	-635.2	-53.1	635.5	0.00	0.00	0.00
12,500.0	90.00	179.57	11,177.0	-735.2	-52.4	735.5	0.00	0.00	0.00
12,600.0	90.00	179.57	11,177.0	-835.2	-51.6	835.4	0.00	0.00	0.00
12,700.0	90.00	179.57	11,177.0	-935.2	-50.9	935.4	0.00	0.00	0.00
12,800.0	90.00	179.57	11,177.0	-1,035.2	-50.1	1,035.4	0.00	0.00	0.00
12,900.0	90.00	179.57	11,177.0	-1,135.2	-49.4	1,135.4	0.00	0.00	0.00
13,000.0	90.00	179.57	11,177.0	-1,235.2	-48.6	1,235.4	0.00	0.00	0.00
13,100.0	90.00	179.57	11,177.0	-1,335.2	-47.9	1,335.4	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Mamba 30 State
 Well: #501H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #501H
 TVD Reference: KB = 25' @ 3576.0usft
 MD Reference: KB = 25' @ 3576.0usft
 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)
13,200.0	90.00	179.57	11,177.0	-1,435.1	-47.1	1,435.4	0.00	0.00	0.00
13,300.0	90.00	179.57	11,177.0	-1,535.1	-46.4	1,535.4	0.00	0.00	0.00
13,400.0	90.00	179.57	11,177.0	-1,635.1	-45.6	1,635.4	0.00	0.00	0.00
13,500.0	90.00	179.57	11,177.0	-1,735.1	-44.9	1,735.4	0.00	0.00	0.00
13,600.0	90.00	179.57	11,177.0	-1,835.1	-44.1	1,835.4	0.00	0.00	0.00
13,700.0	90.00	179.57	11,177.0	-1,935.1	-43.4	1,935.4	0.00	0.00	0.00
13,800.0	90.00	179.57	11,177.0	-2,035.1	-42.6	2,035.3	0.00	0.00	0.00
13,900.0	90.00	179.57	11,177.0	-2,135.1	-41.9	2,135.3	0.00	0.00	0.00
14,000.0	90.00	179.57	11,177.0	-2,235.1	-41.1	2,235.3	0.00	0.00	0.00
14,100.0	90.00	179.57	11,177.0	-2,335.1	-40.4	2,335.3	0.00	0.00	0.00
14,200.0	90.00	179.57	11,177.0	-2,435.1	-39.6	2,435.3	0.00	0.00	0.00
14,300.0	90.00	179.57	11,177.0	-2,535.1	-38.9	2,535.3	0.00	0.00	0.00
14,400.0	90.00	179.57	11,177.0	-2,635.1	-38.1	2,635.3	0.00	0.00	0.00
14,500.0	90.00	179.57	11,177.0	-2,735.1	-37.4	2,735.3	0.00	0.00	0.00
14,600.0	90.00	179.57	11,177.0	-2,835.1	-36.6	2,835.3	0.00	0.00	0.00
14,700.0	90.00	179.57	11,177.0	-2,935.1	-35.9	2,935.3	0.00	0.00	0.00
14,800.0	90.00	179.57	11,177.0	-3,035.1	-35.1	3,035.3	0.00	0.00	0.00
14,900.0	90.00	179.57	11,177.0	-3,135.1	-34.4	3,135.2	0.00	0.00	0.00
15,000.0	90.00	179.57	11,177.0	-3,235.1	-33.6	3,235.2	0.00	0.00	0.00
15,100.0	90.00	179.57	11,177.0	-3,335.1	-32.8	3,335.2	0.00	0.00	0.00
15,200.0	90.00	179.57	11,177.0	-3,435.1	-32.1	3,435.2	0.00	0.00	0.00
15,300.0	90.00	179.57	11,177.0	-3,535.1	-31.3	3,535.2	0.00	0.00	0.00
15,400.0	90.00	179.57	11,177.0	-3,635.1	-30.6	3,635.2	0.00	0.00	0.00
15,500.0	90.00	179.57	11,177.0	-3,735.1	-29.8	3,735.2	0.00	0.00	0.00
15,600.0	90.00	179.57	11,177.0	-3,835.1	-29.1	3,835.2	0.00	0.00	0.00
15,700.0	90.00	179.57	11,177.0	-3,935.1	-28.3	3,935.2	0.00	0.00	0.00
15,800.0	90.00	179.57	11,177.0	-4,035.1	-27.6	4,035.2	0.00	0.00	0.00
15,900.0	90.00	179.57	11,177.0	-4,135.1	-26.8	4,135.2	0.00	0.00	0.00
16,000.0	90.00	179.57	11,177.0	-4,235.1	-26.1	4,235.2	0.00	0.00	0.00
16,100.0	90.00	179.57	11,177.0	-4,335.1	-25.3	4,335.1	0.00	0.00	0.00
16,145.9	90.00	179.57	11,177.0	-4,381.0	-25.0	4,381.1	0.00	0.00	0.00

PBHL (Mamba 30 State #501H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Mamba 30 State	0.00	0.00	11,177.0	-4,381.0	-25.0	430,590.00	766,759.00	32° 10' 54.015 N	103° 36' 16.947 W
- plan hits target center									
- Point									
FTP (Mamba 30 State #	0.00	0.01	11,177.0	702.0	-63.0	435,673.00	766,721.00	32° 11' 44.316 N	103° 36' 16.988 W
- plan misses target center by 165.3usft at 11144.8usft MD (11055.5 TVD, 589.9 N, -61.3 E)									
- Point									



Lea County, NM (NAD 83 NME)

Mamba 30 State #501H

Plan #0.2

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: #501H

KB = 25' @ 3578.0usft 3581.0
Northing 434971.00 Easting 768784.00 Latitude 32° 11' 37.388 N Longitude 103° 38' 18.310 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFaca	VSEct	Target
	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
2	4876.8	6.77	355.48	4875.2	29.8	-3.1	1.00	355.48	-39.8	
3	10586.9	6.77	355.48	10643.4	745.5	-59.0	0.00	0.00	-745.5	
4	11493.1	90.00	179.57	11177.0	271.7	-69.9	12.00	-175.88	-271.3	
5	16145.9	90.00	179.57	11177.0	-4381.0	-25.0	0.00	0.00	4381.1	PBHL (Mamba 30 State #501H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (Mamba 30 State #501H)	11177.0	-4381.0	-25.0	434970.00	768784.00
FTP (Mamba 30 State #501H)	11177.0	762.0	-63.0	438873.00	768721.00

