



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Mamba 30 State Com

#707H

OH

Design: OH

Midland PVA

26 January, 2019



Midland PVA

Company: EOG Resources - Midland Project: Lea County, NM (NAD 83 NME) Site: Mamba 30 State Com Well: #707H Wellbore: OH Design: OH		Local Co-ordinate Reference: TVD Reference: KB = 25 @ 3588.0usft MD Reference: KB = 25 @ 3588.0usft North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 5000.14	
Project Lea County, NM (NAD 83 NME)			
Map System: US State Plane 1983 Geo Datum: North American Datum 1983 Map Zone: New Mexico Eastern Zone		System Datum: Mean Sea Level	
Site Mamba 30 State Com			
Site Position: From: Map Position Uncertainty: 0.0 usft		Northing: 430,807.00 usft Easting: 787,053.00 usft Slot Radius: 13-3/16" Latitude: 32° 10' 58.143 N Longitude: 103° 38' 13.509 W Grid Convergence: 0.39°	
Well #707H			
Well Position +N-S 0.0 usft +E-W 0.0 usft Position Uncertainty 0.0 usft		Northing: 431,512.00 usft Easting: 763,894.00 usft Wellhead Elevation: usft Latitude: 32° 11' 3.330 N Longitude: 103° 38' 50.210 W Ground Level: 3,563.0 usft	
Wellbore OH			
Magnetics			
Model Name	Sample Date	Declination (°)	Dip Angle (°)
IGRF2015	9/19/2018	6.83	60.00
		Field Strength (nT) 47,779.80578562	
Design OH			
Audit Notes:			
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0	
Vertical Section:		Depth From (TVD) (usft)	Direction (°)
		0.0	356.89
Survey Program			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
200.0	17,487.0	Newsco MWD (OH)	MWD
		Description OWSG MWD - Standard	



Midland PVA

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Site:	Mamba 30 State Com	MD Reference:	KB = 25 @ 3588.0usft
Well:	#707H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Asl (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
200.0	0.90	297.00	200.0	0.7	-1.4	0.45	0.45	0.00	0.0	0.0	0.0
322.0	0.80	290.80	322.0	1.5	-3.0	0.11	-0.08	-5.08	0.0	0.0	0.0
497.0	0.60	279.80	497.0	2.0	-5.1	0.14	-0.11	-6.29	0.0	0.0	0.0
682.0	0.30	224.20	682.0	1.9	-8.4	0.27	-0.16	-30.05	0.0	0.0	0.0
870.0	0.70	239.90	870.0	0.9	-7.7	0.22	0.21	8.35	0.0	0.0	0.0
1,059.0	1.50	232.50	1,058.9	-1.2	-10.7	0.43	0.42	-3.92	0.0	0.0	0.0
1,200.0	1.60	234.60	1,199.9	-3.4	-13.8	0.08	0.07	1.49	0.0	0.0	0.0
1,326.0	2.50	229.80	1,325.8	-6.2	-17.3	0.73	0.71	-3.81	-0.8	0.1	0.1
1,514.0	3.10	180.20	1,513.6	-13.9	-20.4	1.28	0.32	-26.38	2.1	0.8	0.8
1,702.0	8.00	146.60	1,700.5	-31.3	-12.4	3.53	3.14	-17.87	-1.2	15.2	15.2
1,891.0	11.30	150.70	1,888.5	-59.8	4.9	1.27	1.22	2.17	-12.0	33.6	33.6
2,078.0	15.40	163.70	2,068.5	-99.7	20.8	2.70	2.19	6.95	-22.4	51.5	51.5
2,268.0	18.20	191.80	2,248.7	-152.4	21.8	4.52	1.49	14.95	-21.0	68.9	68.9
2,454.0	9.80	188.80	2,431.0	-197.1	13.3	4.48	-4.47	-1.80	-43.1	64.5	64.5
2,643.0	7.80	210.80	2,617.8	-224.1	4.2	2.04	-1.01	11.64	-18.5	72.1	72.1
2,830.0	7.00	183.70	2,803.2	-246.3	-5.1	1.27	-0.48	-9.14	-35.3	57.9	57.9
3,018.0	8.90	195.60	2,989.8	-268.3	-10.8	0.13	-0.05	1.01	-29.0	58.6	58.6
3,207.0	6.10	198.60	3,177.6	-288.7	-17.1	0.46	-0.42	1.59	-20.3	54.4	54.4
3,393.0	7.00	203.10	3,362.4	-308.5	-24.7	0.56	0.48	2.42	-10.9	50.3	50.3
3,581.0	6.50	204.20	3,549.1	-328.7	-33.5	0.27	-0.27	0.59	-5.6	43.9	43.9
3,769.0	6.10	208.30	3,736.0	-347.2	-42.6	0.32	-0.21	2.18	2.8	38.3	38.3
3,958.0	5.20	190.50	3,924.1	-364.5	-48.9	1.04	-0.48	-9.42	0.9	31.9	31.9
4,146.0	8.80	198.20	4,110.6	-386.6	-55.0	1.97	1.91	4.10	9.3	28.6	28.6
4,335.0	7.00	195.40	4,297.8	-411.4	-62.6	0.97	-0.95	-1.48	9.2	25.6	25.6
4,522.0	7.30	175.10	4,483.4	-434.2	-64.6	1.35	0.16	-10.86	3.5	30.1	30.1
4,709.0	10.80	182.90	4,668.1	-463.6	-84.4	1.98	1.87	4.17	5.1	34.1	34.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3588.0usft
Site:	Mamba 30 State Com	MD Reference:	KB = 25 @ 3588.0usft
Well:	#707H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (")	Asl (azimuth) (")	TVD (usft)	NIS (usft)	EW (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,896.0	8.80	197.10	4,852.1	-496.3	-70.0	1.45	-0.53	7.59	7.1	32.7	
5,084.0	7.30	199.10	5,038.0	-522.9	-78.8	1.34	-1.33	1.06	7.2	28.5	
5,271.0	7.70	197.50	5,223.4	-548.0	-86.3	0.24	0.21	-0.86	8.9	24.7	
5,459.0	8.30	195.60	5,409.5	-571.1	-93.7	0.35	0.32	-1.01	9.0	21.7	
5,646.0	8.10	195.10	5,594.8	-598.8	-100.8	0.11	-0.11	-0.27	9.1	19.1	
5,834.0	8.40	190.90	5,780.7	-623.1	-106.8	0.36	0.16	-2.23	8.0	18.2	
6,021.0	7.70	197.20	5,965.8	-648.5	-113.1	0.60	-0.37	3.37	10.7	15.2	
6,209.0	7.60	198.40	6,152.2	-672.3	-120.8	0.10	-0.05	0.84	12.9	11.1	
6,397.0	7.90	195.00	6,338.5	-696.6	-128.0	0.29	0.16	-1.81	14.1	8.5	
6,584.0	11.30	201.70	6,522.8	-726.0	-138.1	1.81	1.82	3.58	10.3	2.7	
6,772.0	11.20	200.80	6,707.2	-760.2	-151.4	0.11	-0.05	-0.48	0.2	-2.7	
6,959.0	11.30	195.00	6,890.6	-784.9	-162.6	0.81	0.05	-3.10	-8.1	-7.0	
7,147.0	9.50	195.40	7,075.5	-827.7	-171.5	0.96	-0.98	0.21	-16.1	-9.5	
7,335.0	10.10	190.80	7,260.8	-858.8	-178.7	0.54	0.32	-2.55	-20.0	-12.5	
7,522.0	10.30	190.40	7,444.8	-891.4	-184.7	0.11	0.11	-0.11	-26.1	-13.0	
7,710.0	8.50	193.90	7,630.3	-921.4	-191.1	1.00	-0.96	1.86	-30.4	-12.4	
7,897.0	7.30	188.40	7,815.5	-948.6	-195.7	0.84	-0.84	-4.01	-27.0	-16.5	
8,085.0	6.80	187.00	8,002.1	-869.5	-198.4	0.27	-0.27	0.32	-23.0	-14.8	
8,273.0	6.00	177.50	8,188.9	-890.4	-199.3	0.70	-0.43	-5.05	-16.4	-14.9	
8,460.0	4.90	167.30	8,375.1	-1,008.0	-197.1	0.78	-0.59	-5.45	-18.0	-13.9	
8,648.0	1.80	29.20	8,562.9	-1,013.5	-194.1	3.29	-1.76	-73.46	23.5	-8.1	
8,835.0	2.20	359.00	8,749.8	-1,007.6	-192.9	0.81	0.32	-16.15	17.5	5.2	
9,023.0	2.00	342.70	8,937.7	-1,000.9	-193.9	0.33	-0.11	-8.67	8.8	8.8	
9,211.0	2.00	323.40	9,125.6	-995.1	-198.9	0.36	0.00	-10.27	-1.2	10.2	
9,398.0	1.50	283.30	9,312.5	-991.9	-201.2	0.69	-0.27	-21.44	-12.4	4.9	
9,585.0	1.40	312.80	9,499.4	-989.8	-205.2	0.40	-0.05	15.78	-12.8	11.6	
9,772.0	3.00	344.20	9,686.3	-983.8	-208.3	1.04	0.88	16.78	-11.7	17.7	



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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MD (usft)	Inc (°)	Asl (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,960.0	3.10	337.90	9,874.0	-974.1	-211.5	0.19	0.05	-3.35	-23.5	15.8	
10,148.0	2.50	270.40	10,061.8	-969.4	-217.5	1.68	-0.32	-35.90	-29.7	-20.4	
10,335.0	2.50	272.70	10,248.7	-969.2	-225.7	0.05	0.00	1.23	-38.6	-19.1	
10,522.0	2.70	261.40	10,435.5	-968.1	-234.1	0.24	0.11	4.65	-49.5	-12.4	
10,710.0	2.80	259.20	10,623.3	-968.1	-242.9	0.57	0.05	-11.81	-49.8	-31.8	
10,898.0	3.20	255.80	10,811.0	-970.2	-252.5	0.23	0.21	-1.81	-57.7	-35.0	
11,085.0	2.70	239.90	10,997.7	-973.7	-261.4	0.51	-0.27	-8.50	-55.3	-50.9	
11,272.0	2.10	248.00	11,184.8	-977.2	-268.4	0.37	-0.32	4.33	-69.7	-42.0	
11,459.0	1.30	202.80	11,371.5	-980.5	-272.4	0.80	-0.43	-24.28	-23.6	-81.5	
11,647.0	0.80	220.70	11,559.5	-983.4	-274.0	0.32	-0.27	9.63	-51.1	-69.5	
11,835.0	1.00	190.60	11,747.5	-986.0	-275.2	0.27	0.11	-16.01	-12.1	-86.4	
11,889.0	1.10	187.60	11,801.4	-987.0	-275.3	0.21	0.19	-5.56	-8.6	-87.0	
11,967.0	1.00	182.80	11,879.4	-988.4	-275.5	0.17	-0.13	-6.15	-2.7	-87.5	
12,025.0	1.68	27.63	11,937.4	-988.2	-275.1	4.52	1.18	-267.53	38.8	78.0	
KOP 12025.0' MD; 11937.4' TVD; -988.2'; -275.1'; 1.68											
12,061.0	3.30	23.10	11,973.4	-988.8	-274.5	4.52	4.49	-12.59	30.9	80.8	
12,155.0	18.60	11.30	12,065.4	-989.5	-270.4	16.37	16.28	-12.55	1.9	83.5	
12,232.1	27.21	9.99	12,136.4	-940.0	-265.0	11.19	11.17	-1.70	-12.1	79.7	
FTP Crossing 12232.1' MD; 12136.4' TVD; -940.0'; -265.0'; 27.21											
12,249.0	29.10	9.80	12,151.3	-932.1	-263.6	11.19	11.18	-1.12	-14.9	78.6	
12,343.0	33.20	12.60	12,231.7	-884.5	-254.1	4.62	4.36	2.88	-19.6	70.3	
12,437.0	36.40	16.40	12,308.9	-832.6	-240.6	4.11	3.40	4.04	-10.9	55.7	
12,468.0	40.30	16.50	12,333.2	-814.1	-235.1	12.58	12.58	0.32	-7.5	49.0	
12,495.0	41.60	18.00	12,353.6	-797.2	-229.9	6.04	4.81	5.56	-3.0	42.7	
12,530.0	44.40	18.50	12,379.2	-774.6	-222.4	8.06	8.00	1.43	2.5	33.5	
12,561.0	47.30	17.80	12,400.8	-753.4	-215.5	9.49	9.35	-2.26	7.3	25.2	
12,592.0	52.70	19.90	12,420.7	-731.0	-207.8	18.17	17.42	6.77	12.2	16.1	



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Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
12,623.0	56.60	19.90	12,438.6	-707.2	-189.2	12.58	12.58	0.00	16.2	7.0	
12,668.0	59.90	19.20	12,462.3	-671.2	-186.4	7.45	7.33	-1.56	23.6	-6.0	
12,718.0	66.50	19.20	12,484.8	-628.0	-171.7	13.20	13.20	0.00	32.8	-20.9	
12,743.0	72.90	18.10	12,493.5	-606.8	-164.2	25.93	25.60	-4.40	36.9	-27.9	
12,773.0	81.40	14.90	12,500.2	-578.8	-156.0	30.18	28.33	-10.67	39.8	-35.2	
12,788.0	85.30	13.90	12,501.9	-564.4	-152.2	26.83	26.00	-6.67	40.3	-38.5	
12,812.0	90.00	9.80	12,502.9	-540.9	-147.3	25.97	19.58	-17.08	39.8	-43.1	
12,908.0	94.40	4.80	12,499.3	-447.8	-135.4	7.08	4.68	-5.32	35.5	-55.5	
13,008.0	94.80	1.20	12,491.1	-348.3	-130.1	3.54	0.39	-3.53	28.9	-61.6	
13,101.0	97.40	359.40	12,481.2	-253.8	-129.6	3.39	2.80	-1.94	16.7	-62.6	
13,194.0	94.40	358.00	12,471.7	-161.3	-130.9	3.25	-3.23	-0.43	7.1	-61.8	
13,288.0	90.70	358.10	12,467.5	-67.5	-133.3	4.05	-3.94	-0.96	2.8	-60.0	
13,382.0	89.90	358.50	12,467.0	26.5	-136.0	0.95	-0.85	0.43	2.2	-57.7	
13,475.0	90.10	358.30	12,467.0	119.4	-138.6	0.30	0.22	-0.22	2.1	-55.6	
13,568.0	91.40	358.50	12,465.8	212.4	-141.2	1.41	1.40	0.22	0.7	-53.6	
13,663.0	90.30	356.90	12,464.4	307.3	-145.0	2.04	-1.16	-1.68	-0.8	-50.3	
13,756.0	89.10	357.20	12,464.8	400.2	-149.8	1.33	-1.29	0.32	-0.4	-46.0	
13,850.0	87.90	357.50	12,467.3	494.0	-154.2	1.32	-1.28	0.32	2.0	-42.2	
13,943.0	86.60	357.10	12,471.8	586.8	-158.6	1.48	-1.40	-0.43	6.4	-38.4	
14,037.0	89.40	356.90	12,475.0	680.6	-163.6	3.00	2.98	-0.32	9.5	-33.9	
14,130.0	89.80	355.80	12,475.7	773.4	-169.6	1.16	0.43	-1.08	10.0	-28.4	
14,224.0	92.00	354.60	12,474.2	867.1	-177.4	2.67	2.34	-1.28	8.3	-21.1	
14,319.0	92.90	354.50	12,470.2	961.6	-186.4	0.95	0.95	-0.11	4.2	-12.6	
14,411.0	93.80	357.50	12,464.8	1,053.2	-192.8	3.40	0.98	3.26	-1.3	-6.7	
14,505.0	92.10	359.10	12,459.9	1,147.0	-195.6	2.48	-1.81	1.70	-6.2	-4.5	
14,599.0	91.00	1.60	12,457.4	1,241.0	-195.0	2.90	-1.17	2.66	-8.9	-5.6	
14,693.0	87.40	1.60	12,458.7	1,334.9	-192.4	3.83	-3.83	0.00	-7.6	-8.7	



Midland PVA

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 Well: #707H
 Wellbore: OH
 Design: OH

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 North Reference: Grid
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 Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Adj (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,787.0	88.30	0.40	12,483.9	1,428.7	-180.8	1.73	-1.17	-1.28	-2.6	-10.9
14,880.0	87.90	359.80	12,488.6	1,521.6	-180.8	1.92	1.72	-0.86	2.0	-11.4
14,974.0	90.20	0.60	12,470.1	1,615.6	-180.6	2.67	2.45	1.06	3.5	-12.1
15,068.0	94.20	1.20	12,466.5	1,709.5	-189.1	4.30	4.26	0.64	-0.2	-14.1
15,161.0	90.20	359.10	12,463.0	1,802.4	-188.9	4.86	-4.30	-2.26	-3.9	-14.9
15,255.0	90.70	359.80	12,462.2	1,896.4	-189.6	0.92	0.53	0.74	-4.7	-14.5
15,348.0	89.00	359.50	12,462.5	1,989.4	-190.4	1.86	-1.83	-0.32	-4.5	-14.5
15,442.0	88.60	357.80	12,466.1	2,083.3	-192.6	3.13	-2.55	-1.81	-0.9	-12.8
15,536.0	86.80	357.70	12,471.5	2,177.0	-198.3	0.24	0.21	-0.11	4.4	-9.7
15,630.0	88.30	356.50	12,475.5	2,270.8	-201.0	2.04	1.60	-1.28	8.4	-5.4
15,724.0	88.20	354.90	12,478.4	2,364.5	-208.1	1.70	-0.11	-1.70	11.2	1.1
15,817.0	90.70	357.30	12,478.3	2,457.3	-214.4	3.73	2.69	2.58	12.0	6.9
15,911.0	91.30	356.00	12,477.6	2,551.1	-219.9	1.52	0.84	-1.38	10.4	11.8
16,005.0	82.00	1.60	12,474.9	2,645.0	-221.9	6.00	0.74	5.96	7.6	13.3
16,099.0	89.40	1.50	12,473.8	2,739.0	-219.3	2.77	-2.77	-0.11	6.4	10.2
16,192.0	92.70	3.20	12,472.1	2,831.9	-215.5	3.99	3.55	1.83	4.6	5.9
16,286.0	89.80	0.10	12,470.0	2,925.8	-212.8	4.52	-3.09	-3.30	2.5	2.6
16,379.0	89.60	1.20	12,470.5	3,018.8	-211.7	1.20	-0.22	1.18	3.0	1.0
16,473.0	89.00	0.80	12,471.6	3,112.7	-210.1	0.77	-0.64	-0.43	4.1	-1.1
16,567.0	90.10	1.20	12,472.4	3,206.7	-208.5	1.25	1.17	0.43	4.8	-3.3
16,661.0	87.20	1.10	12,474.6	3,300.7	-208.6	3.09	-3.09	-0.11	6.9	-5.7
16,755.0	88.60	2.90	12,478.0	3,394.5	-203.3	2.42	1.49	1.91	10.3	-9.5
16,848.0	87.70	1.00	12,481.0	3,487.4	-200.1	2.26	-0.97	-2.04	13.3	-13.2
16,942.0	91.20	359.70	12,482.0	3,581.4	-199.6	3.97	3.72	-1.38	14.2	-14.3
17,035.0	92.70	0.10	12,478.8	3,674.4	-199.7	1.67	1.61	0.43	10.9	-14.7
17,129.0	92.50	0.00	12,474.5	3,768.3	-199.6	0.24	-0.21	-0.11	6.6	-15.3
17,223.0	90.30	358.70	12,472.2	3,862.2	-200.7	2.72	-2.34	-1.38	4.3	-14.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3588.0usft
Site:	Mamba 30 State Com	MD Reference:	KB = 25 @ 3588.0usft
Well:	#707H	North Reference:	Grid
WellBore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (")	Asl (azimuth) (")	TVD (usft)	N/S (usft)	EAW (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
17,318.0	89.80	358.60	12,472.1	3,955.2	-202.9	0.55	-0.54	-0.11	4.2	-13.1	
17,410.0	91.50	358.90	12,471.1	4,049.2	-204.9	1.84	1.81	0.32	2.5	-11.8	
17,430.0	92.10	359.00	12,470.5	4,069.1	-205.3	3.04	3.00	0.50	1.5	-11.3	
Last MWD Survey (MD = 17430.0)											
17,487.0	92.10	359.00	12,468.4	4,126.1	-206.3	0.00	0.00	0.00	-1.6	-10.7	
Projection to Bit (MD = 17487.0)											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
12,025.0	11,937.4	-988.2	-275.1	KOP 12025.0' MD; 11937.4' TVD; -988.2'; -275.1'; 1.68
12,232.1	12,136.4	-940.0	-265.0	FTP Crossing 12232.1' MD; 12136.4' TVD; -940.0'; -265.0'; 27.21
17,430.0	12,470.5	4,069.1	-205.3	Last MWD Survey (MD = 17430.0)
17,487.0	12,468.4	4,126.1	-206.3	Projection to Bit (MD = 17487.0)

Checked By: _____	Approved By: _____	Date: _____
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Lea County, NM (NAD 83 NME)

Mamba 30 State Com #707H

Plan #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: #707H

KB = 25 @ 3588.0usft 3583.0
Northing 431512.00 Easting 763894.00 Latitude 32° 11' 3.330 N Longitude 103° 35' 50.210 W

To convert a Magnetic Direction to a Grid Direction, Add 6.45°
To convert a Magnetic Direction to a True Direction, Add 6.83° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	1210.0	1.67	234.03	1209.9	-3.6	-14.0	0.00	0.00	-2.8	
2	1310.0	1.67	234.03	1309.8	-5.3	-16.3	0.00	0.00	-4.4	
3	1871.5	8.33	189.68	1869.8	-34.2	-25.0	2.00	-53.59	-32.9	
4	8155.0	8.33	189.68	8085.0	-950.2	-182.9	0.00	0.00	-949.3	
5	8571.6	0.00	0.00	8500.0	-990.0	-188.0	2.00	180.00	-978.8	
6	12058.1	0.00	0.00	11988.5	-990.0	-188.0	0.00	0.00	-978.8	KOP(Mamba 30 State #707H)
7	12807.4	89.92	359.68	12464.0	-513.2	-190.7	12.00	359.68	-502.5	TGT#1(Mamba 30 State #707H)
8	13510.6	89.92	359.68	12465.0	190.0	-194.7	0.00	0.00	200.0	TGT#2(Mamba 30 State #707H)
9	13511.3	89.93	359.68	12465.0	190.6	-194.7	2.00	0.00	200.6	TGT#3(Mamba 30 State #707H)
10	14311.5	89.93	359.68	12468.0	990.9	-199.2	0.00	0.00	1000.0	TGT#4(Mamba 30 State #707H)
11	14312.2	89.94	359.68	12468.0	991.6	-199.2	2.00	0.00	1000.7	
12	15312.6	89.94	359.68	12467.0	1992.0	-204.9	0.00	0.00	2000.0	
13	15314.1	89.97	359.68	12467.0	1993.4	-204.9	2.00	0.00	2001.4	
14	17314.9	89.97	359.68	12468.0	3994.2	-216.2	0.00	0.00	4000.0	
15	17365.4	88.96	359.68	12468.5	4044.7	-216.5	2.00	180.00	4050.5	
16	17449.7	88.96	359.68	12470.0	4129.0	-217.0	0.00	0.00	4134.7	PBHL (Mamba 30 State #707H)

CASINO DETAILS

No casing data is available

WELLS TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP(Mamba 30 State #707H)	11988.5	-990.0	-188.0	430522.30	763706.00
TGT#1(Mamba 30 State #707H)	12463.0	190.0	-194.7	431702.00	763699.32
TGT#2(Mamba 30 State #707H)	12468.0	990.9	-199.2	432502.80	763694.78
TGT#3(Mamba 30 State #707H)	12467.0	1992.0	-204.9	433504.30	763699.11
TGT#4(Mamba 30 State #707H)	12468.0	3994.2	-216.2	435506.20	763677.78
PBHL (Mamba 30 State #707H)	12470.0	4129.0	-217.0	435841.00	763677.00
FTP (Mamba 30 State #707H)	12464.0	-940.0	-188.0	430572.00	763706.00

