



HOBBS OCD

MAY 02 2019

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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Mamba 30 State Com

#743H

OH

Design: OH

Midland PVA

06 February, 2019



Midland PVA

Company: EOG Resources - Midland Project: Lea County, NM (NAD 83 NME) Site: Mamba 30 State Corn Well: #743H Wellbore: OH Design: OH		Local Co-ordinate Reference: Well #743H 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 Corn													
Site Position: From: Map Position Uncertainty: 0.0 usft		Northing: 430,807.00 usft Easting: 767,053.00 usft Slot Radius: 13-3/16" Latitude: 32° 10' 58.143 N Longitude: 103° 36' 13.509 W Grid Convergence: 0.39°											
Well #743H													
Well Position +N/S 0.0 usft +E/W 0.0 usft Position Uncertainty 0.0 usft		Northing: 431,512.00 usft Easting: 763,927.00 usft Wellhead Elevation: usft Latitude: 32° 11' 3.328 N Longitude: 103° 36' 49.826 W Ground Level: 3,563.0 usft											
Wellbore OH													
Magnetics <table border="1"> <thead> <tr> <th>Model Name</th> <th>Sample Date</th> <th>Declination (°)</th> <th>Dip Angle (°)</th> <th>Field Strength (nT)</th> </tr> </thead> <tbody> <tr> <td>IGRF2015</td> <td>11/5/2018</td> <td>6.82</td> <td>60.00</td> <td>47,766.58930651</td> </tr> </tbody> </table>				Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	IGRF2015	11/5/2018	6.82	60.00	47,766.58930651
Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)									
IGRF2015	11/5/2018	6.82	60.00	47,766.58930651									
Design OH													
Audit Notes: Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0													
Vertical Section: <table border="1"> <thead> <tr> <th>Depth From (TVD) (usft)</th> <th>+N/S (usft)</th> <th>+E/W (usft)</th> <th>Direction (°)</th> </tr> </thead> <tbody> <tr> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>1.04</td> </tr> </tbody> </table>				Depth From (TVD) (usft)	+N/S (usft)	+E/W (usft)	Direction (°)	0.0	0.0	0.0	1.04		
Depth From (TVD) (usft)	+N/S (usft)	+E/W (usft)	Direction (°)										
0.0	0.0	0.0	1.04										
Survey Program Date 2/6/2019													
<table border="1"> <thead> <tr> <th>From (usft)</th> <th>To (usft)</th> <th>Survey (Wellbore)</th> <th>Tool Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>200.0</td> <td>18,033.0</td> <td>Newsco MWD (OH)</td> <td>MWD</td> <td>OWSG MWD - Standard</td> </tr> </tbody> </table>				From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	200.0	18,033.0	Newsco MWD (OH)	MWD	OWSG MWD - Standard
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description									
200.0	18,033.0	Newsco MWD (OH)	MWD	OWSG MWD - Standard									



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #743H
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:	#743H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/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	188.20	200.0	-1.8	-0.2	0.45	0.45	0.00	0.0	0.0	0.0
381.0	1.80	185.00	380.9	-5.8	-0.6	0.50	0.50	-0.66	0.0	0.0	0.0
558.0	3.20	180.20	555.8	-13.4	-0.8	0.81	0.80	-2.74	0.0	0.0	0.0
683.0	4.00	179.70	682.5	-21.4	-0.8	0.63	0.63	-0.39	0.0	0.0	0.0
871.0	4.90	172.50	870.0	-35.9	0.3	0.56	0.48	-3.83	0.0	0.0	0.0
1,059.0	3.20	167.60	1,057.5	-49.0	2.4	0.92	-0.90	-2.81	0.0	0.0	0.0
1,209.0	2.90	164.20	1,207.3	-56.7	4.4	0.23	-0.20	-2.27	0.0	0.0	0.0
1,326.0	3.90	164.50	1,324.1	-83.4	6.2	0.85	0.85	0.26	0.0	0.0	0.0
1,514.0	5.50	172.90	1,511.4	-78.5	8.1	0.92	0.85	4.47	0.0	0.0	0.0
1,702.0	8.30	175.90	1,698.0	-101.0	11.1	1.50	1.48	1.60	0.0	0.0	0.0
1,891.0	8.40	177.50	1,885.0	-128.4	12.7	0.13	0.05	0.85	0.0	0.0	0.0
2,078.0	7.80	180.60	2,070.2	-154.7	13.2	0.40	-0.32	1.66	0.0	0.0	0.0
2,268.0	6.90	174.70	2,258.6	-178.7	14.1	0.82	-0.48	-3.14	0.0	0.0	0.0
2,454.0	6.60	178.50	2,443.3	-200.8	15.4	0.29	-0.16	2.02	0.0	0.0	0.0
2,643.0	7.00	182.40	2,631.0	-223.2	15.2	0.32	0.21	2.06	0.0	0.0	0.0
2,830.0	7.00	185.80	2,816.6	-245.6	17.5	1.08	0.00	-8.88	0.0	0.0	0.0
3,018.0	7.20	167.60	3,003.2	-268.2	22.9	0.16	0.11	0.96	0.0	0.0	0.0
3,207.0	7.80	170.20	3,190.6	-292.4	27.6	0.36	0.32	1.38	0.0	0.0	0.0
3,393.0	8.70	174.60	3,374.6	-318.9	31.1	0.59	0.48	2.37	0.0	0.0	0.0
3,581.0	8.10	178.30	3,561.1	-343.0	32.7	1.41	-1.38	1.97	0.0	0.0	0.0
3,769.0	6.90	156.10	3,747.9	-363.3	37.6	1.39	0.43	-11.81	0.0	0.0	0.0
3,958.0	8.40	159.80	3,935.2	-388.6	47.0	0.83	0.79	1.85	0.0	0.0	0.0
4,146.0	7.90	170.80	4,121.3	-412.3	53.9	0.88	-0.27	5.96	0.0	0.0	0.0
4,335.0	6.90	166.60	4,308.7	-436.1	58.6	0.60	-0.53	-2.22	0.0	0.0	0.0
4,522.0	8.90	169.90	4,493.9	-461.3	63.7	1.10	1.07	1.76	0.0	0.0	0.0
4,709.0	11.40	165.50	4,678.0	-493.4	70.9	1.40	1.34	-2.35	0.0	0.0	0.0



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,896.0	10.80	186.20	4,861.8	-528.8	73.6	2.14	-0.32	11.07	0.0	0.0	
5,084.0	7.60	192.60	5,047.1	-558.4	69.0	1.78	-1.70	3.40	0.0	0.0	
5,272.0	8.00	189.50	5,233.4	-583.4	64.1	0.31	0.21	-1.65	0.0	0.0	
5,459.0	8.80	185.60	5,418.4	-610.5	60.6	0.52	0.43	-2.09	0.0	0.0	
5,646.0	8.80	182.00	5,603.2	-638.7	58.7	0.31	-0.11	-1.93	0.0	0.0	
5,834.0	9.20	175.40	5,789.0	-667.8	59.4	0.83	0.32	-3.51	0.0	0.0	
6,021.0	8.30	171.90	5,973.8	-696.0	62.5	0.56	-0.48	-1.87	0.0	0.0	
6,209.0	7.90	169.30	6,159.9	-722.1	66.8	0.29	-0.21	-1.38	0.0	0.0	
6,397.0	7.30	164.30	6,346.3	-746.3	72.4	0.47	-0.32	-2.66	0.0	0.0	
6,584.0	7.20	169.80	6,531.8	-769.3	77.7	0.37	-0.05	2.94	0.0	0.0	
6,772.0	7.50	176.60	6,718.2	-793.2	80.6	0.49	0.16	3.62	0.0	0.0	
6,960.0	6.40	199.30	6,904.9	-815.3	77.8	1.56	-0.59	12.07	0.0	0.0	
7,148.0	6.90	179.30	7,091.7	-836.5	74.5	1.25	0.27	-10.64	0.0	0.0	
7,335.0	7.00	175.40	7,277.3	-859.1	75.5	0.26	0.05	-2.09	0.0	0.0	
7,522.0	6.60	176.70	7,463.0	-881.2	77.1	0.23	-0.21	0.70	0.0	0.0	
7,710.0	5.40	175.40	7,649.9	-900.8	78.4	0.84	-0.84	-0.89	0.0	0.0	
7,898.0	4.90	176.30	7,837.2	-917.6	79.6	0.27	-0.27	0.48	0.0	0.0	
8,085.0	4.10	177.20	8,023.6	-932.2	80.5	0.43	-0.43	0.48	0.0	0.0	
8,273.0	3.80	175.90	8,211.2	-945.2	81.2	0.17	-0.16	-0.69	0.0	0.0	
8,460.0	3.40	178.60	8,397.8	-956.9	81.8	0.23	-0.21	1.44	0.0	0.0	
8,648.0	3.30	178.20	8,585.5	-967.9	82.1	0.05	-0.05	-0.21	0.0	0.0	
8,836.0	2.70	179.70	8,773.2	-977.7	82.3	0.32	-0.32	0.80	0.0	0.0	
9,023.0	2.00	187.50	8,960.0	-985.3	81.9	0.41	-0.37	4.17	0.0	0.0	
9,211.0	1.50	219.30	9,146.0	-990.5	79.9	0.57	-0.27	16.91	0.0	0.0	
9,399.0	1.30	255.30	9,335.9	-993.0	76.3	0.47	-0.11	19.15	0.0	0.0	
9,585.0	2.20	236.10	9,521.8	-995.5	71.3	0.57	0.48	-10.32	0.0	0.0	
9,773.0	1.40	275.00	9,709.7	-997.3	68.0	0.75	-0.43	20.69	0.0	0.0	



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Well: #743H		North Reference: Grid	
Wellbore: OH		Survey Calculation Method: Minimum Curvature	
Design: OH		Database: EDM 5000.14	

Survey											
MD (usft)	Inc (")	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,961.0	0.70	263.20	9,897.7	-997.2	62.6	0.39	-0.37	-6.28	0.0	0.0	
10,148.0	2.60	271.50	10,084.6	-997.2	57.2	1.02	1.02	4.44	0.0	0.0	
10,335.0	2.50	236.80	10,271.4	-999.4	49.6	0.81	-0.05	-18.56	0.0	0.0	
10,523.0	1.40	175.60	10,459.3	-1,003.9	46.3	1.17	-0.59	-32.55	0.0	0.0	
10,710.0	2.20	219.60	10,646.3	-1,009.0	44.2	0.82	0.43	23.53	0.0	0.0	
10,898.0	1.90	49.20	10,834.2	-1,009.7	44.3	2.17	-0.16	-90.64	0.0	0.0	
11,086.0	0.50	107.00	11,022.2	-1,007.9	47.4	0.90	-0.74	30.74	0.0	0.0	
11,275.0	1.20	190.30	11,211.2	-1,010.1	47.8	0.66	0.37	44.07	0.0	0.0	
11,459.0	1.80	191.70	11,395.1	-1,014.8	46.9	0.33	0.33	0.76	0.0	0.0	
11,560.0	2.30	236.00	11,496.0	-1,017.5	44.9	1.60	0.50	43.66	-0.9	-1.1	
11,685.0	2.00	233.80	11,621.0	-1,020.2	41.1	0.25	-0.24	-1.76	-3.9	-3.8	
11,873.0	3.60	222.70	11,808.7	-1,026.5	34.4	0.89	0.85	-5.90	-18.9	-7.3	
12,061.0	1.30	237.50	11,996.5	-1,031.9	28.6	1.26	-1.22	7.87	-46.4	2.5	
12,155.0	4.60	62.90	12,090.5	-1,030.8	31.1	6.27	3.51	-185.74	53.5	-10.0	
12,249.0	8.00	53.40	12,183.9	-1,025.2	39.7	3.77	3.62	-10.11	51.8	-2.7	
12,343.0	7.30	58.50	12,277.0	-1,018.2	50.0	1.04	-0.74	5.43	43.3	-7.7	
12,437.0	6.70	60.70	12,370.3	-1,012.4	59.9	0.70	-0.64	2.34	32.9	-9.5	
12,530.0	8.80	60.80	12,462.5	-1,006.2	70.8	2.26	2.26	0.11	24.5	-15.8	
12,624.0	12.20	61.90	12,554.9	-998.0	85.9	3.62	3.62	1.17	19.3	-34.4	
12,719.0	17.20	59.20	12,646.8	-986.1	106.8	5.31	5.26	-2.84	19.6	-63.3	
12,813.0	20.00	55.10	12,735.8	-969.8	131.9	3.29	2.68	-4.36	27.1	-99.9	
12,844.0	24.40	48.30	12,764.5	-962.5	141.1	16.41	14.19	-21.94	42.9	-108.5	
12,875.0	30.30	42.00	12,792.1	-952.4	151.1	21.18	19.03	-20.32	58.8	-114.6	
12,907.0	36.90	37.70	12,818.7	-938.8	162.4	21.91	20.62	-13.44	70.6	-120.9	
13,000.0	50.60	21.60	12,885.9	-882.9	192.9	18.89	14.73	-17.31	98.5	-129.5	
13,049.0	58.90	14.30	12,914.2	-844.8	205.1	20.84	16.94	-14.90	105.7	-130.7	
13,095.0	65.80	10.80	12,935.6	-805.1	213.9	16.44	15.00	-7.61	104.0	-133.5	



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Mamba 30 State Com
 Well: #743H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #743H
 TVD Reference: KB = 25 @ 3588.0usft
 MD Reference: KB = 25 @ 3588.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	N/S (usft)	EW (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
13,126.0	72.00	9.90		12,948.7	-778.8	219.1	20.18	20.00	-2.90	89.2	-136.2
13,188.0	82.20	5.80		12,960.8	-718.9	227.3	17.87	18.45	-8.61	85.3	-139.4
13,281.0	93.70	358.80		12,963.9	-624.2	231.0	14.47	12.37	-7.53	54.1	-138.4
13,375.0	90.20	358.60		12,960.7	-530.4	227.2	4.40	-3.72	-2.34	30.5	-130.6
13,468.0	89.60	355.09		12,960.8	-437.8	220.5	1.75	-0.85	-1.62	21.1	-121.1
13,561.0	87.50	355.40		12,963.2	-345.0	212.8	2.28	-2.26	0.33	23.0	-112.2
13,656.0	87.50	355.10		12,967.3	-250.4	204.9	0.32	0.00	-0.32	26.7	-104.9
13,749.0	88.10	354.80		12,970.9	-157.8	198.8	0.72	0.85	-0.32	29.8	-97.2
13,843.0	88.20	355.30		12,973.9	-84.2	188.7	0.54	0.11	0.53	32.4	-89.7
13,938.0	88.70	356.60		12,976.5	28.5	182.1	1.50	0.54	1.40	34.3	-83.7
14,030.0	89.30	357.20		12,978.1	122.4	177.0	0.90	0.84	0.84	35.5	-79.2
14,123.0	89.90	358.00		12,978.7	215.3	173.1	1.08	0.65	0.88	35.7	-75.8
14,217.0	90.40	357.80		12,978.5	309.2	169.7	0.57	0.53	-0.21	35.2	-72.9
14,311.0	89.00	357.20		12,979.0	403.1	165.6	1.82	-1.49	-0.84	35.5	-69.3
14,404.0	89.90	357.80		12,979.9	496.0	161.4	1.06	0.97	0.43	36.2	-65.7
14,498.0	90.10	355.20		12,979.9	589.8	155.4	2.56	0.21	-2.55	36.0	-60.3
14,592.0	89.40	354.80		12,980.3	683.5	147.3	0.86	-0.74	-0.43	36.2	-52.6
14,686.0	90.10	355.40		12,980.7	777.1	139.2	0.98	0.74	0.84	36.3	-45.1
14,780.0	91.60	356.50		12,979.3	870.9	132.6	1.98	1.60	1.17	34.6	-39.1
14,873.0	89.70	355.50		12,978.3	963.6	126.1	2.31	-2.04	-1.08	33.4	-33.0
14,967.0	90.90	356.60		12,977.8	1,057.4	119.6	1.73	1.28	1.17	32.7	-27.1
15,061.0	89.10	356.40		12,977.8	1,151.2	113.9	1.93	-1.91	-0.21	32.6	-21.8
15,154.0	88.40	356.00		12,979.8	1,244.0	107.7	0.87	-0.75	-0.43	34.6	-16.3
15,247.0	89.30	355.80		12,981.7	1,338.7	101.1	0.99	0.97	-0.22	36.3	-10.2
15,341.0	88.70	355.60		12,983.3	1,430.5	94.0	0.67	-0.64	-0.21	37.9	-3.7
15,435.0	89.90	356.60		12,984.4	1,524.2	87.6	1.66	1.28	1.06	38.9	2.2
15,528.0	89.00	356.20		12,985.3	1,617.1	81.8	1.06	-0.97	-0.43	39.7	7.5



Midland PVA

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 Well: #743H
 Wellbore: OH
 Design: OH

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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	NS (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,623.0	89.60	356.50	12,986.5	1,711.9	75.8	0.71	0.63	0.32	40.8	13.0
15,717.0	91.40	358.30	12,985.7	1,805.7	71.5	2.71	1.91	1.91	39.9	16.7
15,810.0	92.10	358.30	12,982.8	1,898.7	68.7	0.75	0.75	0.00	37.0	19.0
15,904.0	91.60	359.80	12,979.8	1,992.6	67.2	1.68	-0.53	1.60	33.8	20.0
15,998.0	89.80	1.50	12,978.7	2,086.8	68.2	2.63	-1.91	1.81	32.6	18.4
16,091.0	90.00	2.00	12,978.8	2,179.5	71.1	0.58	0.22	0.54	32.7	15.0
16,185.0	90.40	2.50	12,978.5	2,273.5	74.8	0.68	0.43	0.53	32.3	10.8
16,279.0	90.40	2.00	12,977.8	2,367.4	78.5	0.53	0.00	-0.53	31.5	6.6
16,372.0	91.20	2.50	12,976.5	2,460.3	82.1	1.01	0.88	0.54	30.1	2.4
16,466.0	91.30	359.20	12,974.5	2,554.3	83.5	3.51	0.11	-3.51	28.0	0.5
16,560.0	89.50	356.20	12,973.8	2,648.2	79.7	3.72	-1.91	-3.19	27.2	3.7
16,654.0	89.80	357.30	12,974.4	2,742.0	74.4	1.21	0.32	1.17	27.7	8.5
16,747.0	90.40	357.70	12,974.2	2,834.9	70.3	0.78	0.65	0.43	27.5	12.0
16,841.0	90.10	359.50	12,973.8	2,928.9	68.1	1.94	-0.32	1.91	27.0	13.8
16,935.0	89.40	358.60	12,974.2	3,022.9	66.5	1.21	-0.74	-0.96	27.3	14.8
17,029.0	89.70	358.90	12,975.0	3,116.8	64.4	0.45	0.32	0.32	28.0	16.3
17,122.0	90.20	358.70	12,975.1	3,209.8	62.5	0.58	0.54	-0.22	27.9	17.7
17,216.0	90.30	358.30	12,974.7	3,303.8	60.0	0.44	0.11	-0.43	27.4	19.7
17,309.0	90.10	1.60	12,974.3	3,396.8	60.0	3.55	-0.22	3.55	27.0	19.2
17,403.0	90.50	2.30	12,973.8	3,490.7	63.2	0.86	0.43	0.74	26.5	15.5
17,497.0	90.80	2.50	12,972.8	3,584.6	67.1	0.38	0.32	0.21	25.3	11.0
17,591.0	92.00	3.60	12,970.5	3,678.5	72.1	1.73	1.28	1.17	22.9	5.5
17,685.0	91.80	3.20	12,967.4	3,772.2	77.7	0.48	-0.21	-0.43	19.7	-0.8
17,779.0	92.20	3.40	12,964.1	3,866.0	83.1	0.48	0.43	0.21	16.3	-6.5
17,872.0	89.10	3.20	12,963.0	3,958.9	88.4	3.34	-3.33	-0.22	15.2	-12.4
17,976.0	88.90	3.80	12,964.8	4,062.7	94.8	0.81	-0.19	0.58	16.9	-19.4
18,033.0	88.90	3.80	12,965.9	4,119.5	98.5	0.00	0.00	0.00	17.9	-23.5



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #743H
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:	#743H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
12,460.0	12,393.2	-1,011.0	62.3	KOP, MD:12460.0', TVD:12393.2', N/S:-1011.0', E/W:62.3', INC:7.22
12,908.7	12,820.1	-938.0	163.0	FTP Crossing, MD:12908.7', TVD:12820.1', N/S:-938.0', E/W:163.0', INC:37.13
17,976.0	12,964.8	4,062.7	94.8	Last MWD Survey (MD=17976.0')
18,033.0	12,965.9	4,119.5	98.5	Projection to Bit (MD=18033.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Mamba 30 State Com #743H

Plan #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: #743H

KB = 25 @ 3588.0usft 3583.0
Northing 431512.00 Easting 763927.00 Latitude 32° 11' 3.328 N Longitude 103° 36' 49.826 W

SECTION DETAILS

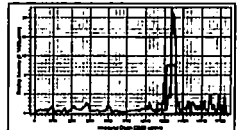
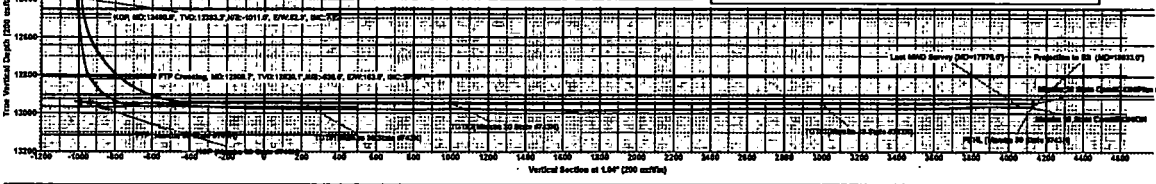
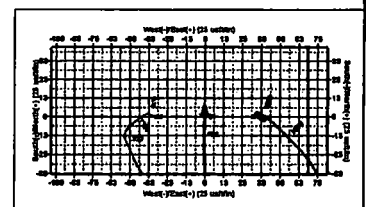
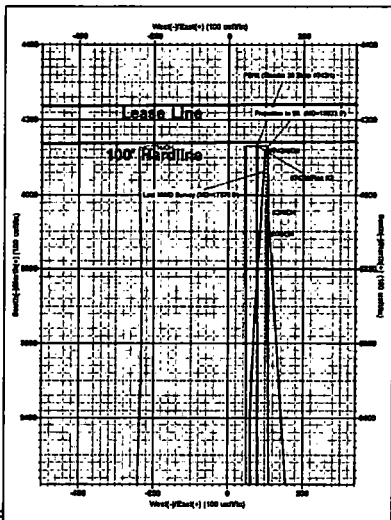
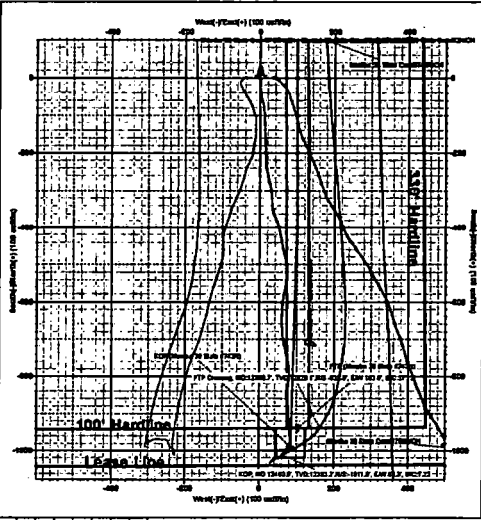
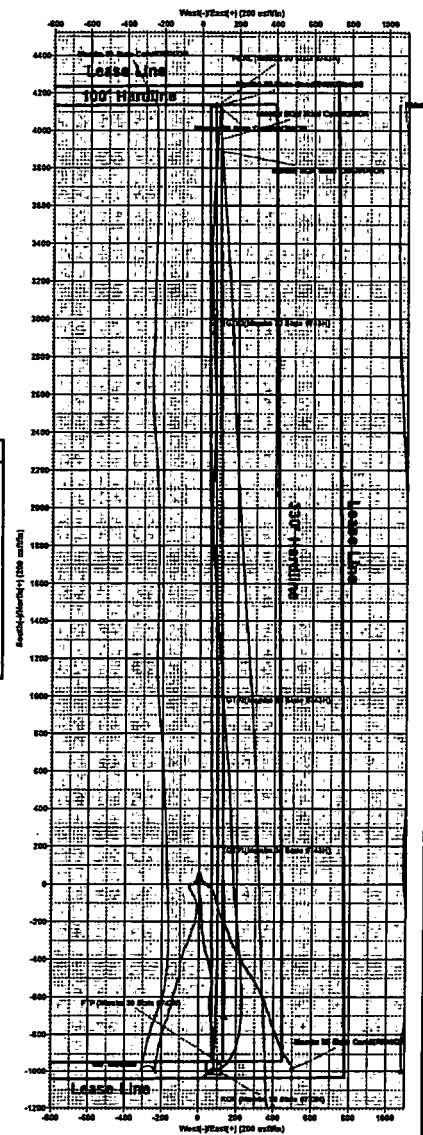
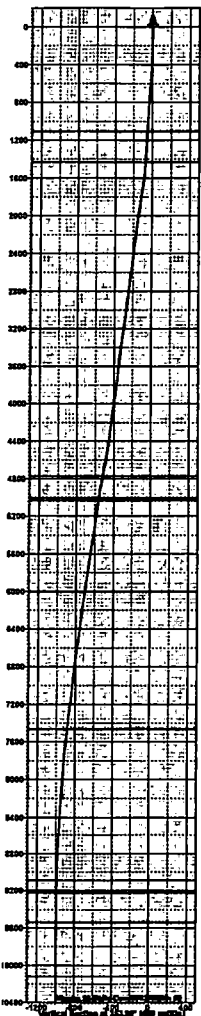
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	11459.0	1.80	191.70	11395.1	-1014.8	46.9	0.00	0.00	-1013.8	
2	11599.0	1.80	191.70	11535.0	-1019.1	46.0	0.00	0.00	-1018.1	
3	12030.2	7.08	46.18	11965.3	-1007.3	63.9	2.00	-152.26	-1008.0	
4	12079.5	7.08	46.18	12014.2	-1003.1	68.2	0.00	0.00	-1001.7	
5	12433.5	0.00	0.00	12367.3	-988.0	84.0	2.00	180.00	-986.3	
6	13330.9	89.74	1.59	12940.3	-417.9	99.8	10.00	1.59	-416.0	
7	13397.0	89.74	359.67	12940.6	-351.7	100.6	2.81	-89.86	-349.9	
8	13947.1	89.74	359.67	12943.0	198.3	97.4	0.00	0.00	200.0	TGT#1(Mamba 30 State #743H)
9	13949.8	89.66	359.67	12943.0	201.0	97.4	4.15	2.85	202.7	
10	14747.3	89.66	359.67	12945.0	998.5	92.8	0.00	0.00	1000.0	TGT#2(Mamba 30 State #743H)
11	14751.7	89.55	359.67	12945.0	1002.9	92.8	2.00	-0.01	1004.4	
12	17878.8	89.55	359.67	12948.0	4131.0	75.0	0.00	0.00	4131.7	PBHL (Mamba 30 State #743H)

CASINO DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT#1(Mamba 30 State #743H)	12943.0	198.3	97.4	431710.50	764024.37
TGT#2(Mamba 30 State #743H)	12945.0	998.5	92.8	432610.50	764018.82
PBHL (Mamba 30 State #743H)	12948.0	4131.0	75.0	433643.00	764002.00
FTP (Mamba 30 State #743H)	12940.0	-828.0	104.0	433074.30	764031.00
KOP (Mamba 30 State #743H)	12940.0	-888.0	84.0	433024.00	764011.00
TGT#3(Mamba 30 State #743H)	12950.0	2899.0	81.4	434511.00	764008.44



Lea County, NM (NAD 83 NME)
Mamba 30 State Com #743H
Plan #2