eog resources

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Python 36 State
#707H
OH

Design: OH

Midland PVA

27 May, 2019

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #707H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25' @ 3546.0usft
Site:	Python 36 State	**MD Reference:**	KB = 25' @ 3546.0usft
Well:	#707H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

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 Python 36 State

Site Position:		**Northing:**	425,475.00 usft	**Latitude:**	32° 10' 3.821 N
From:	Map	**Easting:**	760,394.00 usft	**Longitude:**	103° 37' 31.398 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.38 °

Well #707H

Well Position	+N/-S	0.0 usft	**Northing:**	425,487.00 usft	**Latitude:**	32° 10' 3.857 N
	+E/-W	0.0 usft	**Easting:**	761,664.00 usft	**Longitude:**	103° 37' 16.622 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,521.0 usft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	2/21/2019	6.79	59.98	47,725.94683916

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.0	0.0	0.0	0.99

Survey Program **Date** 5/25/2019

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
184.0	17,364.0	Intrepid MWD (OH)	MWD	OWSG MWD - Standard

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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
184.0	0.66	49.34	184.0	0.8	0.7	0.36	0.36	0.00	-1.1	0.0
300.0	0.92	47.20	300.0	1.9	1.8	0.24	0.22	5.91	-2.6	0.2
476.0	1.10	52.38	476.0	3.9	4.2	0.11	0.10	2.94	-5.7	0.6
565.0	1.19	46.49	564.9	5.1	5.5	0.17	0.10	-6.62	-7.5	-0.1
665.0	1.27	53.17	664.9	6.5	7.2	0.16	0.08	6.68	-9.6	0.9
760.0	1.49	63.63	759.9	7.7	9.1	0.35	0.23	11.01	-11.6	2.8
855.0	1.54	70.31	854.9	8.6	11.4	0.19	0.05	7.03	-13.7	4.3
950.0	1.93	65.30	949.8	9.7	14.1	0.44	0.41	-5.27	-16.9	3.0
1,045.0	1.98	72.16	1,044.8	10.9	17.1	0.25	0.05	7.22	-19.6	5.1
1,113.0	2.37	76.46	1,112.7	11.6	19.6	0.62	0.57	6.32	-21.7	6.7
1,236.0	2.51	90.97	1,235.6	12.1	24.7	0.51	0.11	11.80	-24.5	12.6
1,330.0	3.08	142.21	1,329.5	10.1	28.3	2.63	0.61	54.51	-9.2	28.6
1,425.0	4.35	165.41	1,424.3	4.6	30.8	2.05	1.34	24.42	-0.7	30.5
1,520.0	4.53	172.09	1,519.0	-2.6	32.2	0.58	0.19	7.03	1.0	29.1
1,615.0	4.13	172.79	1,613.7	-9.7	33.2	0.42	-0.42	0.74	1.4	26.8
1,710.0	3.87	174.64	1,708.5	-16.3	33.9	0.31	-0.27	1.95	2.8	24.2
1,804.0	5.27	177.89	1,802.2	-23.8	34.4	1.51	1.49	3.46	3.5	21.3
1,899.0	5.71	179.30	1,896.8	-32.8	34.6	0.48	0.46	1.48	1.9	18.1
1,994.0	6.24	166.46	1,991.3	-42.6	35.9	1.51	0.56	-13.52	-4.5	15.5
2,088.0	7.03	162.95	2,084.6	-53.1	38.7	0.94	0.84	-3.73	-8.9	13.8
2,183.0	6.86	163.21	2,178.9	-64.0	42.1	0.18	-0.18	0.27	-12.8	12.8
2,277.0	6.55	163.56	2,272.3	-74.6	45.2	0.33	-0.33	0.37	-16.3	11.8
2,372.0	6.42	165.85	2,366.7	-84.9	48.1	0.30	-0.14	2.41	-19.1	11.2
2,466.0	6.73	158.03	2,460.1	-95.1	51.4	1.01	0.33	-8.32	-23.7	7.3
2,561.0	7.16	156.45	2,554.4	-105.7	55.8	0.50	0.45	-1.66	-27.8	6.3
2,656.0	7.25	159.52	2,648.6	-116.7	60.3	0.42	0.09	3.23	-31.8	7.5

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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)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
2,751.0	6.02	144.93	2,743.0	-128.4	65.3	2.19	-1.29	-15.36	-35.9	-1.0
2,846.0	5.80	140.01	2,837.5	-134.2	71.2	0.58	-0.23	-5.18	-38.2	-2.5
2,940.0	5.80	148.97	2,931.0	-141.9	76.7	0.98	0.00	9.53	-40.1	4.9
3,035.0	5.71	146.42	3,025.5	-150.0	81.8	0.29	-0.09	-2.68	-42.3	4.0
3,130.0	5.67	146.68	3,120.1	-157.8	87.0	0.05	-0.04	0.27	-44.1	5.3
3,319.0	5.54	143.17	3,308.2	-172.9	97.6	0.19	-0.07	-1.86	-48.0	5.1
3,414.0	5.27	143.87	3,402.7	-180.1	102.9	0.29	-0.28	0.74	-49.5	7.1
3,509.0	4.92	141.67	3,497.4	-186.8	108.0	0.42	-0.37	-2.32	-50.8	6.8
3,603.0	4.88	149.32	3,591.0	-193.4	112.6	0.70	-0.04	8.14	-49.9	14.7
3,698.0	4.79	148.18	3,685.7	-200.3	116.7	0.14	-0.09	-1.20	-50.7	14.5
3,793.0	4.92	132.53	3,780.3	-206.4	121.8	1.40	0.14	-16.47	-53.6	2.2
3,888.0	4.35	134.73	3,875.0	-211.7	127.4	0.63	-0.60	2.32	-54.0	7.0
3,982.0	3.91	138.33	3,968.8	-216.6	132.0	0.54	-0.47	3.83	-53.0	12.7
4,077.0	3.65	148.97	4,063.6	-221.6	135.7	0.79	-0.27	11.20	-48.4	23.6
4,172.0	3.43	143.70	4,158.4	-226.5	139.0	0.41	-0.23	-5.55	-48.8	20.3
4,268.0	4.53	134.03	4,254.2	-231.4	143.4	1.34	1.15	-10.07	-50.9	14.0
4,363.0	3.60	142.46	4,348.9	-236.4	147.9	1.16	-0.98	8.87	-47.6	23.5
4,458.0	1.36	137.45	4,443.8	-239.6	150.5	2.37	-2.36	-5.27	-46.3	21.3
4,553.0	2.64	132.01	4,538.8	-241.9	152.9	1.36	1.35	-5.73	-44.4	19.6
4,648.0	4.44	133.76	4,633.6	-245.9	157.2	1.90	1.89	1.84	-42.6	23.7
4,742.0	3.38	141.94	4,727.4	-250.6	161.5	1.27	-1.13	8.70	-37.8	31.7
4,837.0	0.35	201.35	4,822.3	-253.1	163.1	3.39	-3.19	62.54	11.6	45.6
4,932.0	0.62	287.84	4,917.3	-253.2	162.5	0.73	0.28	91.04	40.8	-13.7
5,027.0	0.70	300.05	5,012.3	-252.7	161.5	0.17	0.08	12.85	32.2	-24.5
5,122.0	0.70	301.81	5,107.3	-252.2	160.6	0.02	0.00	1.85	29.1	-26.1
5,216.0	0.66	290.82	5,201.3	-251.7	159.6	0.14	-0.04	-11.69	32.5	-20.2
5,310.0	0.48	303.39	5,295.3	-251.2	158.7	0.23	-0.19	13.37	26.4	-26.7

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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)
5,405.0	0.31	288.36	5,390.3	-250.9	158.1	0.21	-0.18	-15.82	31.8	-19.0
5,500.0	0.48	254.35	5,485.3	-251.0	157.5	0.30	0.18	-35.80	36.4	1.9
5,594.0	0.66	272.45	5,579.3	-251.1	156.6	0.27	0.19	19.26	34.2	-9.4
5,688.0	0.44	257.60	5,673.3	-251.1	155.7	0.28	-0.23	-15.80	34.6	-0.5
5,783.0	0.70	251.19	5,768.3	-251.4	154.8	0.28	0.27	-6.75	33.5	3.4
5,878.0	0.53	287.22	5,863.3	-251.4	153.8	0.44	-0.18	37.93	28.2	-16.7
5,972.0	0.84	254.88	5,957.3	-251.5	152.8	0.51	0.33	-34.40	31.6	0.8
6,067.0	0.79	262.61	6,052.2	-251.8	151.4	0.13	-0.05	8.14	30.1	-3.4
6,162.0	0.48	269.82	6,147.2	-251.8	150.4	0.34	-0.33	7.59	28.4	-7.1
6,257.0	0.40	267.80	6,242.2	-251.9	149.7	0.09	-0.08	-2.13	27.9	-6.1
6,351.0	0.62	271.84	6,336.2	-251.8	148.8	0.24	0.23	4.30	26.6	-8.0
6,447.0	0.44	309.19	6,432.2	-251.6	148.0	0.40	-0.19	38.91	15.5	-22.2
6,542.0	0.70	316.66	6,527.2	-250.9	147.3	0.28	0.27	7.86	11.5	-24.0
6,636.0	0.70	302.16	6,621.2	-250.2	146.4	0.19	0.00	-15.43	16.0	-20.4
6,731.0	0.70	283.88	6,716.2	-249.8	145.4	0.23	0.00	-19.24	20.5	-14.6
6,826.0	0.70	305.33	6,811.2	-249.3	144.4	0.27	0.00	22.58	12.6	-20.8
6,922.0	0.84	300.05	6,907.2	-248.6	143.3	0.16	0.15	-5.50	13.2	-19.6
7,016.0	0.88	275.36	7,001.2	-248.2	142.0	0.39	0.04	-26.27	18.9	-12.6
7,111.0	0.79	304.71	7,096.2	-247.8	140.7	0.45	-0.09	30.89	9.0	-19.9
7,206.0	0.88	302.95	7,191.2	-247.0	139.5	0.10	0.09	-1.85	8.2	-19.6
7,300.0	1.19	280.63	7,285.2	-246.4	138.0	0.54	0.33	-23.74	13.4	-15.3
7,395.0	1.14	288.54	7,380.1	-245.9	136.1	0.18	-0.05	8.33	9.2	-16.9
7,490.0	0.75	277.11	7,475.1	-245.6	134.6	0.45	-0.41	-12.03	10.8	-14.9
7,585.0	1.10	279.05	7,570.1	-245.3	133.1	0.37	0.37	2.04	8.8	-15.2
7,679.0	0.75	272.89	7,664.1	-245.2	131.6	0.39	-0.37	-6.55	8.9	-14.3
7,774.0	0.31	265.07	7,759.1	-245.1	130.7	0.47	-0.46	-8.23	9.9	-13.1
7,868.0	1.10	259.80	7,853.1	-245.3	129.6	0.84	0.84	-5.61	9.9	-12.1

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7,963.0	1.10	248.46	7,948.1	-245.8	127.8	0.23	0.00	-11.94	10.2	-10.1
8,058.0	1.05	240.81	8,043.0	-246.6	126.2	0.16	-0.05	-8.05	9.7	-8.8
8,153.0	1.23	248.99	8,138.0	-247.4	124.5	0.25	0.19	8.61	6.5	-10.0
8,248.0	1.58	237.30	8,233.0	-248.4	122.4	0.47	0.37	-12.31	6.1	-8.6
8,343.0	1.71	235.10	8,328.0	-250.0	120.2	0.15	0.14	-2.32	3.7	-8.5
8,439.0	1.45	237.30	8,423.9	-251.4	118.0	0.28	-0.27	2.29	0.7	-8.5
8,533.0	1.85	230.71	8,517.9	-253.0	115.8	0.47	0.43	-7.01	-1.0	-8.5
8,628.0	1.76	229.54	8,612.8	-255.0	113.5	0.10	-0.09	-1.23	-3.8	-8.6
8,723.0	1.54	231.23	8,707.8	-256.7	111.4	0.24	-0.23	1.78	-6.6	-8.4
8,818.0	1.45	229.92	8,802.8	-258.3	109.5	0.10	-0.09	-1.38	-9.1	-8.6
8,913.0	1.36	223.68	8,897.7	-259.9	107.8	0.19	-0.09	-6.57	-10.4	-9.7
9,007.0	1.45	212.78	8,991.7	-261.7	106.4	0.30	0.10	-11.60	-10.7	-11.7
9,102.0	1.32	204.43	9,086.7	-263.7	105.3	0.25	-0.14	-8.79	-11.2	-13.3
9,197.0	1.10	209.26	9,181.7	-265.5	104.4	0.26	-0.23	5.08	-14.3	-12.2
9,292.0	1.10	352.79	9,276.7	-265.4	103.8	2.20	0.00	151.08	4.0	18.8
9,387.0	2.20	4.21	9,371.6	-262.6	103.8	1.20	1.16	12.02	5.0	17.9
9,482.0	2.07	350.33	9,466.5	-259.1	103.7	0.56	-0.14	-14.61	-2.9	18.1
9,576.0	1.49	333.63	9,560.5	-256.4	102.8	0.82	-0.62	-17.77	-10.9	16.0
9,671.0	1.05	303.66	9,655.5	-254.8	101.6	0.82	-0.46	-31.55	-19.3	7.8
9,766.0	0.53	252.94	9,750.5	-254.4	100.4	0.87	-0.55	-53.39	-19.3	-10.7
9,861.0	0.70	277.90	9,845.5	-254.5	99.4	0.33	0.18	26.27	-23.0	-1.4
9,956.0	0.88	229.74	9,940.5	-254.9	98.3	0.70	0.19	-50.69	-15.4	-18.5
10,051.0	1.23	226.05	10,035.4	-256.0	97.0	0.38	0.37	-3.88	-15.9	-19.5
10,146.0	1.41	221.04	10,130.4	-257.6	95.5	0.22	0.19	-5.27	-16.4	-20.9
10,241.0	0.35	170.33	10,225.4	-258.8	94.8	1.28	-1.12	-53.38	4.8	-26.8
10,335.0	0.53	145.01	10,319.4	-259.4	95.1	0.28	0.19	-26.94	15.1	-22.3
10,431.0	1.05	153.80	10,415.4	-260.6	95.7	0.55	0.54	9.16	10.2	-24.3

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10,526.0	1.45	145.72	10,510.4	-262.4	96.8	0.46	0.42	-8.51	11.4	-22.7
10,621.0	1.23	164.53	10,605.3	-264.3	97.7	0.51	-0.23	19.80	1.3	-24.8
10,716.0	1.19	165.58	10,700.3	-266.3	98.3	0.05	-0.04	1.11	-1.1	-24.8
10,811.0	1.10	161.19	10,795.3	-268.1	98.8	0.13	-0.09	-4.62	-1.1	-24.9
10,906.0	1.27	174.54	10,890.3	-270.0	99.2	0.34	0.18	14.05	-8.8	-23.8
11,001.0	0.92	122.95	10,985.3	-271.5	99.9	1.06	-0.37	-54.31	11.7	-22.5
11,096.0	1.19	120.49	11,080.3	-272.4	101.4	0.29	0.28	-2.59	10.9	-22.0
11,190.0	1.41	99.75	11,174.2	-273.1	103.4	0.55	0.23	-22.06	15.9	-17.0
11,284.0	0.70	118.47	11,268.2	-273.6	105.0	0.83	-0.76	19.91	8.0	-20.9
11,379.0	0.22	210.40	11,363.2	-274.0	105.5	0.78	-0.51	96.77	-21.3	-6.7
11,473.0	1.01	233.87	11,457.2	-274.6	104.7	0.86	0.84	24.97	-23.2	2.4
11,568.0	1.85	231.76	11,552.2	-276.1	102.8	0.89	0.88	-2.22	-25.6	1.5
11,663.0	2.29	241.25	11,647.1	-277.9	100.0	0.59	0.46	9.99	-28.4	6.0
11,680.0	2.29	240.64	11,664.1	-278.3	99.4	0.14	0.00	-3.59	-29.2	5.7
11,759.0	2.24	239.39	11,743.0	-279.8	96.7	0.09	-0.06	-1.58	-32.4	5.0
11,852.0	0.92	50.51	11,836.0	-280.3	95.7	3.39	-1.42	184.00	33.8	0.3
11,900.0	0.31	75.82	11,884.0	-280.0	96.1	1.36	-1.27	52.73	30.3	-14.0
11,947.0	4.40	16.59	11,931.0	-278.2	96.7	9.04	8.70	-126.02	26.3	18.6
11,994.0	11.65	10.08	11,977.5	-271.8	98.1	15.52	15.43	-13.85	21.9	20.4
12,089.0	22.11	11.05	12,068.3	-244.8	103.2	11.01	11.01	1.02	16.6	15.9
12,184.0	29.58	11.93	12,153.7	-204.2	111.5	7.87	7.86	0.93	14.3	7.6
12,231.0	34.24	12.89	12,193.6	-180.0	116.8	9.97	9.91	2.04	14.8	1.8
12,278.0	38.20	13.68	12,231.5	-152.9	123.2	8.48	8.43	1.68	16.1	-5.0
12,325.0	42.42	11.05	12,267.3	-123.2	129.7	9.68	8.98	-5.60	18.9	-11.4
12,373.0	45.67	12.81	12,301.8	-90.6	136.8	7.23	6.77	3.67	22.6	-19.3
12,420.0	52.22	9.29	12,332.7	-55.8	143.3	15.03	13.94	-7.49	28.0	-25.6
12,467.0	56.53	8.15	12,360.1	-18.1	149.1	9.38	9.17	-2.43	32.8	-31.4

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #707H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25' @ 3546.0usft
Site:	Python 36 State	**MD Reference:**	KB = 25' @ 3546.0usft
Well:	#707H	**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)
12,497.0	58.95	6.30	12,376.1	7.1	152.3	9.60	8.07	-6.17	36.7	-34.3
12,520.0	63.21	3.58	12,387.2	27.1	154.0	21.22	18.52	-11.83	39.9	-35.3
12,540.0	68.53	0.68	12,395.4	45.4	154.7	29.71	26.60	-14.50	41.9	-35.3
12,561.0	73.01	358.48	12,402.3	65.2	154.6	23.51	21.33	-10.48	42.7	-34.7
12,593.0	81.80	356.81	12,409.3	96.3	153.3	27.84	27.47	-5.22	41.2	-33.6
12,624.0	83.56	356.99	12,413.2	127.1	151.6	5.71	5.68	0.58	38.6	-32.2
12,656.0	84.53	357.25	12,416.5	158.8	150.0	3.14	3.03	0.81	37.2	-30.9
12,703.0	85.05	357.43	12,420.8	205.6	147.8	1.17	1.11	0.38	38.0	-29.2
12,751.0	85.71	355.67	12,424.7	253.3	145.0	3.90	1.37	-3.67	41.4	-26.7
12,798.0	87.56	356.55	12,427.4	300.2	141.8	4.36	3.94	1.87	43.7	-23.9
12,845.0	87.78	356.99	12,429.3	347.0	139.1	1.05	0.47	0.94	45.1	-21.6
12,941.0	88.26	356.99	12,432.6	442.9	134.1	0.50	0.50	0.00	47.5	-17.3
13,035.0	90.11	357.25	12,434.0	536.7	129.4	1.99	1.97	0.28	48.0	-13.2
13,130.0	90.95	357.60	12,433.1	631.6	125.1	0.96	0.88	0.37	46.2	-9.7
13,225.0	90.24	359.10	12,432.1	726.6	122.4	1.75	-0.75	1.58	44.3	-7.7
13,320.0	89.49	358.92	12,432.3	821.6	120.7	0.81	-0.79	-0.19	43.6	-6.7
13,414.0	89.80	358.83	12,432.9	915.5	118.9	0.34	0.33	-0.10	43.3	-5.6
13,509.0	89.41	358.66	12,433.6	1,010.5	116.8	0.45	-0.41	-0.18	43.0	-4.2
13,604.0	90.64	359.01	12,433.5	1,105.5	114.9	1.35	1.29	0.37	42.1	-3.0
13,698.0	88.84	358.92	12,434.0	1,199.5	113.2	1.92	-1.91	-0.10	41.6	-2.0
13,793.0	88.84	358.66	12,435.9	1,294.4	111.2	0.27	0.00	-0.27	42.6	-0.7
13,888.0	89.63	358.57	12,437.2	1,389.4	108.9	0.84	0.83	-0.09	43.0	0.9
13,982.0	90.77	357.16	12,436.8	1,483.3	105.4	1.93	1.21	-1.50	41.7	3.7
14,077.0	88.92	356.28	12,437.1	1,578.2	99.9	2.16	-1.95	-0.93	41.1	8.5
14,172.0	89.85	357.95	12,438.1	1,673.0	95.1	2.01	0.98	1.76	41.2	12.5
14,267.0	90.24	358.48	12,438.0	1,768.0	92.2	0.69	0.41	0.56	40.2	14.8
14,361.0	92.18	359.36	12,436.0	1,861.9	90.4	2.27	2.06	0.94	37.3	15.9

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #707H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25' @ 3546.0usft
Site:	Python 36 State	**MD Reference:**	KB = 25' @ 3546.0usft
Well:	#707H	**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)
14,456.0	91.56	0.33	12,432.9	1,956.9	90.2	1.21	-0.65	1.02	33.3	15.4
14,551.0	89.80	0.59	12,431.8	2,051.9	90.9	1.87	-1.85	0.27	31.4	13.9
14,645.0	85.41	357.51	12,435.7	2,145.7	89.4	5.70	-4.67	-3.28	34.6	14.8
14,740.0	88.44	356.46	12,440.8	2,240.5	84.4	3.37	3.19	-1.11	39.0	19.1
14,835.0	90.95	358.83	12,441.3	2,335.4	80.5	3.63	2.64	2.49	38.8	22.3
14,929.0	92.22	0.41	12,438.7	2,429.3	79.8	2.16	1.35	1.68	35.5	22.2
15,024.0	88.66	1.29	12,439.5	2,524.3	81.3	5.72	-5.64	0.93	35.6	20.1
15,119.0	94.81	5.42	12,438.1	2,619.0	86.8	9.43	8.37	4.35	33.5	13.8
15,214.0	95.34	3.84	12,429.7	2,713.3	94.4	1.75	0.56	-1.66	24.3	5.5
15,308.0	90.24	359.18	12,425.1	2,807.1	96.9	7.34	-5.43	-4.96	19.1	2.3
15,403.0	88.57	359.53	12,426.1	2,902.1	95.8	1.80	-1.76	0.37	19.3	2.7
15,497.0	89.27	1.82	12,427.9	2,996.1	96.9	2.55	0.74	2.44	20.4	0.9
15,592.0	88.66	357.07	12,429.6	3,091.0	98.0	5.04	-0.64	-5.00	21.4	1.1
15,687.0	90.51	356.28	12,430.3	3,185.9	90.5	2.12	1.95	-0.83	21.4	5.9
15,781.0	90.68	356.46	12,429.3	3,279.7	84.6	0.26	0.18	0.19	19.7	11.2
15,876.0	87.03	357.60	12,431.2	3,374.5	79.6	4.03	-3.84	1.20	20.9	15.4
15,971.0	87.34	358.39	12,435.9	3,469.3	76.3	0.89	0.33	0.83	24.8	18.0
16,065.0	86.24	359.01	12,441.2	3,563.2	74.2	1.34	-1.17	0.66	29.4	19.5
16,160.0	90.64	359.62	12,443.7	3,658.1	73.1	4.68	4.63	0.64	31.3	19.9
16,255.0	90.29	0.85	12,443.0	3,753.1	73.5	1.35	-0.37	1.29	29.8	18.8
16,350.0	90.86	0.76	12,442.0	3,848.1	74.8	0.61	0.60	-0.09	28.1	16.7
16,445.0	90.68	358.22	12,440.7	3,943.1	73.9	2.68	-0.19	-2.67	26.2	16.9
16,539.0	93.36	358.30	12,437.4	4,036.9	71.1	2.85	2.85	0.09	22.2	19.0
16,634.0	85.85	357.78	12,438.1	4,131.8	67.8	7.92	-7.91	-0.55	22.3	21.6
16,729.0	85.58	358.30	12,445.2	4,226.5	64.6	0.62	-0.28	0.55	28.8	24.2
16,823.0	88.88	359.45	12,449.7	4,320.4	62.8	3.72	3.51	1.22	32.9	25.3
16,918.0	90.46	359.97	12,450.3	4,415.3	62.3	1.75	1.66	0.55	32.9	25.0

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #707H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25' @ 3546.0usft
Site:	Python 36 State	**MD Reference:**	KB = 25' @ 3546.0usft
Well:	#707H	**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)
17,013.0	91.69	0.59	12,448.5	4,510.3	62.7	1.45	1.29	0.65	30.5	23.9
17,108.0	91.38	0.24	12,445.9	4,605.3	63.4	0.49	-0.33	-0.37	27.4	22.5
17,202.0	90.64	0.06	12,444.3	4,698.3	63.7	0.81	-0.79	-0.19	25.2	21.5
17,296.0	91.08	0.33	12,442.9	4,793.3	64.0	0.55	0.47	0.29	23.3	20.5
17,364.0	91.69	0.33	12,441.2	4,861.2	64.4	0.90	0.90	0.00	21.2	19.6

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
11,915.0	11,899.0	-279.8	96.2	KOP, MD:11915.0', TVD:11899.0',N/S:-279.8', E/W:96.2', INC:1.52
12,174.0	12,145.0	-209.0	110.5	FTP Crossing, MD:12174.0', TVD:12145.0',N/S:-209.0', E/W:110.5', INC:28.79
17,296.0	12,442.9	4,793.3	64.0	Last MWD Survey (MD=17296.0')
17,364.0	12,441.2	4,861.2	64.4	Projection to Bit (MD=17364.0')

Checked By: _____ Approved By: _____ Date: _____

eog resources

Lea County, NM (NAD 83 NME)

Python 36 State #707H

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

To convert a Magnetic Direction to a Grid Direction, Add 6.41°
To convert a Magnetic Direction to a True Direction, Add 6.79° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

WELL DETAILS: #707H			
		3521.0	
		KB = 25' @ 3546.0usft	
Northing	Easting	Latitude	Longitude
425487.00	761664.00	32° 10' 3.857 N	103° 37' 16.622 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
1529.2	4.58	154.78	1529.0	-8.3	3.9	2.00	154.78	-8.2	
4882.0	4.58	154.78	4871.0	-250.7	118.1	0.00	0.00	-248.6	
5111.2	0.00	0.00	5100.0	-259.0	122.0	2.00	180.00	-256.9	
11916.7	0.00	0.00	11905.5	-259.0	122.0	0.00	0.00	-256.9	
12662.2	89.45	359.57	12382.9	213.9	118.5	12.00	359.57	215.9	
14446.9	89.45	359.57	12400.0	1998.5	105.2	0.00	0.00	2000.0	TGT#1(Python 36 State Com #707H)
14452.8	89.57	359.57	12400.1	2004.4	105.2	2.00	0.00	2005.9	
16447.5	89.57	359.57	12415.0	3999.0	90.4	0.00	0.00	4000.0	TGT#2(Python 36 State Com #707H)
16452.4	89.67	359.57	12415.0	4003.9	90.4	2.00	0.00	4004.9	
17310.5	89.67	359.57	12420.0	4862.0	84.0	0.00	0.00	4862.7	PBHL (Python 36 State Com #707H)

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top (Python 36 State Com #707H)	7258.0	-253.0	122.0	425228.00	761788.00
FTP (Python 36 State Com #707H)	12391.0	-258.0	122.0	425278.00	761788.00
TGT#1(Python 36 State Com #707H)	12400.0	1988.8	105.2	427485.50	761769.25
TGT#2(Python 36 State Com #707H)	12416.0	3999.0	90.4	429486.00	761754.40
PBHL (Python 36 State Com #707H)	12420.0	4862.0	84.0	430349.00	761748.00