



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Peachtree 24 Fed Com

#707H

OH

Design: OH

Midland PVA

25 June, 2019

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Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #707H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25 @ 3379.0usft
 MD Reference: KB = 25 @ 3379.0usft
 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	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Peachtree 24 Fed Com		
Site Position:		Northing:	372,756.00 usft
From:	Map	Easting:	793,433.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 19.840 N
		Longitude:	103° 31' 11.665 W
		Grid Convergence:	0.43 "

Well	#707H		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 1' 20.673 N
		Longitude:	103° 31' 38.408 W
		Ground Level:	3,354.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	11/7/2017	(°)
			6.88
			59.88
			47,783.14949559

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			357.44

Survey Program	Date 8/25/2019		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
194.0	22,866.0	Prodirectional MWD (OH)	MWD
			OWSG MWD - Standard



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0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
194.0	0.30	74.10	194.0	0.1	0.5	0.15	0.15	0.00	-0.5	0.0
303.0	0.50	77.50	303.0	0.3	1.2	0.18	0.18	3.12	-1.3	0.0
388.0	0.10	78.70	388.0	0.4	1.7	0.47	-0.47	1.41	-1.7	0.1
473.0	0.10	159.60	473.0	0.4	1.8	0.15	0.00	95.18	-0.3	1.8
571.0	0.50	151.00	571.0	-0.1	2.0	0.41	0.41	-8.78	-1.1	1.7
665.0	0.20	64.20	665.0	-0.4	2.3	0.56	-0.32	-92.34	-1.9	-1.4
759.0	0.30	62.50	759.0	-0.2	2.7	0.11	0.11	-1.81	-2.3	-1.4
908.0	0.50	89.40	908.0	0.0	3.7	0.18	0.14	18.30	-3.7	-0.1
1,035.0	0.50	98.10	1,035.0	-0.1	4.8	0.06	0.00	6.74	-4.8	0.8
1,129.0	0.80	99.60	1,129.0	-0.2	5.7	0.11	0.11	1.60	-5.7	0.7
1,222.0	0.60	90.10	1,222.0	-0.3	6.7	0.11	0.00	-10.22	-6.7	-0.3
1,315.0	0.50	68.10	1,315.0	-0.2	7.5	0.25	-0.11	-23.68	-6.9	-3.0
1,410.0	0.60	71.90	1,410.0	0.2	8.4	0.11	0.11	4.00	-8.0	-2.5
1,503.0	0.40	44.40	1,503.0	0.5	9.1	0.33	-0.22	-29.57	-6.7	-6.1
1,597.0	0.70	39.90	1,597.0	1.2	9.7	0.32	0.32	-4.79	-7.1	-6.7
1,691.0	0.10	12.50	1,691.0	1.7	10.1	0.65	-0.64	-28.15	-3.9	-9.5
1,785.0	0.10	244.70	1,785.0	1.8	10.0	0.19	0.00	-135.96	9.8	2.7
1,879.0	0.40	255.70	1,879.0	1.7	9.6	0.32	0.32	11.70	9.7	0.8
1,972.0	0.40	255.70	1,972.0	1.5	9.0	0.00	0.00	0.00	9.1	0.8
2,065.0	3.20	238.90	2,064.9	0.1	6.5	3.03	3.01	-18.06	6.3	3.3
2,160.0	5.80	238.40	2,159.6	-3.8	0.1	2.74	2.74	-0.53	2.5	3.4
2,254.0	6.20	238.20	2,253.1	-9.0	-8.3	0.43	0.43	-0.21	-0.6	3.6
2,348.0	6.20	238.20	2,346.5	-14.3	-16.9	0.00	0.00	0.00	-2.5	3.9
2,442.0	6.20	237.60	2,440.0	-18.7	-25.5	0.07	0.00	-0.64	-4.5	4.1
2,535.0	6.00	237.70	2,532.5	-25.0	-33.8	0.22	-0.22	0.11	-6.3	4.4
2,630.0	6.20	238.20	2,626.9	-30.4	-42.4	0.22	0.21	0.53	-8.1	4.8



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2,724.0	6.20	237.70	2,720.4	-35.7	-51.0	0.06	0.00	-0.53	-10.1	5.0
2,818.0	6.00	239.50	2,813.8	-41.0	-59.5	0.29	-0.21	1.91	-11.8	5.5
2,913.0	5.80	240.80	2,908.3	-45.8	-68.0	0.25	-0.21	1.37	-13.2	5.8
3,008.0	5.20	238.00	3,002.9	-50.4	-75.8	0.69	-0.63	-2.95	-14.2	5.2
3,102.0	4.70	232.70	3,096.5	-55.0	-82.5	0.72	-0.53	-5.64	-14.6	4.5
3,195.0	4.30	225.00	3,189.3	-59.8	-88.0	0.78	-0.43	-8.28	-14.5	4.1
3,290.0	3.60	212.80	3,284.0	-64.8	-92.1	1.15	-0.74	-12.84	-14.1	3.9
3,384.0	4.80	214.20	3,377.8	-70.6	-98.0	1.28	1.28	1.49	-13.5	7.9
3,572.0	6.50	231.80	3,564.9	-83.7	-108.7	1.28	0.90	9.36	-12.5	16.3
3,666.0	6.80	232.60	3,658.2	-90.3	-117.3	0.33	0.32	0.85	-15.0	17.8
3,759.0	6.00	230.90	3,750.7	-96.7	-125.5	0.88	-0.88	-1.83	-17.9	18.3
3,854.0	4.30	214.30	3,845.3	-102.8	-131.3	2.36	-1.79	-17.47	-23.2	14.6
3,947.0	4.20	235.00	3,938.0	-107.6	-136.1	1.84	-0.11	22.26	-15.2	23.7
4,041.0	3.30	257.00	4,031.8	-110.2	-141.6	1.79	-0.98	23.40	-3.3	26.6
4,136.0	4.00	250.40	4,126.6	-111.9	-147.3	0.86	0.74	-6.95	-4.2	24.2
4,229.0	4.20	246.90	4,219.4	-114.4	-153.5	0.34	0.22	-3.76	-4.2	22.7
4,324.0	3.90	252.80	4,314.2	-116.7	-159.8	0.54	-0.32	6.21	-0.5	21.8
4,418.0	5.00	254.60	4,407.9	-118.7	-166.8	1.18	1.17	1.91	0.8	19.6
4,512.0	7.30	250.50	4,501.3	-121.8	-176.4	2.49	2.45	-4.36	-2.6	17.8
4,606.0	5.50	247.20	4,594.7	-125.5	-186.2	1.95	-1.91	-3.51	-6.0	16.2
4,700.0	4.00	239.20	4,688.4	-129.0	-193.2	1.74	-1.60	-8.51	-7.7	14.7
4,794.0	3.40	242.00	4,782.2	-132.0	-198.4	0.67	-0.64	2.98	-4.9	15.0
4,887.0	3.70	218.50	4,875.0	-135.6	-202.7	1.59	0.32	-25.27	-8.4	13.7
4,981.0	6.30	222.70	4,868.7	-141.8	-208.1	2.79	2.77	4.47	-7.7	16.9
5,074.0	6.40	224.30	5,061.1	-149.2	-215.2	0.22	0.11	1.72	-9.7	19.4
5,168.0	5.80	225.80	5,154.6	-156.3	-222.3	0.68	-0.64	1.60	-11.3	21.8
5,262.0	5.50	235.10	5,248.1	-162.2	-229.4	1.02	-0.32	9.89	-8.7	24.8



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5,358.0	8.50	254.60	5,341.4	-168.8	-239.8	4.03	3.19	20.74	-3.2	25.7
5,450.0	8.70	254.20	5,434.4	-170.4	-253.3	0.22	0.21	-0.43	-9.6	23.6
5,544.0	8.70	254.20	5,527.3	-174.3	-267.0	0.00	0.00	0.00	-15.9	21.6
5,638.0	8.80	252.30	5,620.2	-178.4	-280.7	0.33	0.11	-2.02	-22.9	19.1
5,732.0	7.90	253.30	5,713.2	-182.4	-293.7	0.97	-0.86	1.06	-28.3	17.7
5,827.0	5.50	259.20	5,807.5	-185.1	-304.4	2.82	-2.53	6.21	-29.8	18.4
5,920.0	5.60	258.50	5,900.1	-188.9	-313.3	0.13	0.11	-0.75	-31.1	15.4
6,014.0	5.50	258.00	5,993.7	-188.7	-322.2	0.12	-0.11	-0.53	-32.8	12.8
6,108.0	5.80	258.60	6,087.2	-190.6	-331.1	0.12	0.11	0.64	-33.8	10.4
6,203.0	5.10	255.70	6,181.8	-192.5	-339.7	0.60	-0.53	-3.05	-35.1	8.2
6,297.0	4.80	253.10	6,275.5	-194.7	-347.5	0.40	-0.32	-2.77	-35.5	2.5
6,390.0	3.50	255.40	6,368.2	-196.6	-354.0	1.41	-1.40	2.47	-34.3	1.9
6,484.0	3.10	252.10	6,462.1	-198.1	-359.2	0.47	-0.43	-3.51	-31.7	-1.9
6,578.0	2.90	250.30	6,555.9	-199.6	-363.8	0.24	-0.21	-1.91	-28.5	-4.5
6,672.0	0.70	288.50	6,649.9	-200.3	-366.6	2.54	-2.34	40.64	-22.2	9.4
6,765.0	0.60	30.80	6,742.9	-199.7	-366.9	1.09	-0.11	110.00	6.5	16.3
6,859.0	0.70	16.50	6,836.9	-198.7	-366.5	0.20	0.11	-15.21	-4.7	11.6
6,953.0	0.60	29.40	6,930.9	-197.7	-366.1	0.19	-0.11	13.72	-10.1	8.4
7,048.0	0.50	0.20	7,025.9	-196.9	-365.8	0.31	-0.11	-30.74	-17.9	-5.0
7,141.0	0.60	19.00	7,118.9	-196.0	-365.7	0.22	0.11	20.22	-24.3	-3.1
7,235.0	0.50	8.30	7,212.8	-195.1	-365.5	0.15	-0.11	-11.38	-26.3	-10.3
7,329.0	0.30	15.50	7,306.8	-194.5	-365.3	0.22	-0.21	7.66	-28.5	-7.3
7,422.0	0.20	84.30	7,399.8	-194.2	-365.1	0.32	-0.11	73.98	-17.4	24.2
7,517.0	0.20	154.30	7,494.8	-194.4	-364.9	0.24	0.00	73.68	16.5	24.7
7,704.0	0.50	117.80	7,681.8	-195.0	-364.0	0.19	0.16	-19.52	-2.5	29.5
7,797.0	1.70	195.20	7,774.8	-196.6	-364.0	1.79	1.29	83.23	26.8	9.3
7,891.0	0.30	196.60	7,868.8	-198.1	-364.5	1.49	-1.49	1.49	25.4	8.7



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7,988.0	0.70	184.50	7,983.8	-199.0	-364.6	0.43	0.42	-12.74	22.2	13.7
8,079.0	1.00	188.70	8,056.8	-200.3	-364.7	0.33	0.32	4.52	21.7	12.1
8,172.0	1.00	210.60	8,149.8	-201.8	-365.3	0.41	0.00	23.55	23.1	3.4
8,266.0	1.00	199.00	8,243.8	-203.3	-366.0	0.22	0.00	-12.34	20.3	7.8
8,360.0	1.10	193.20	8,337.8	-205.0	-366.4	0.16	0.11	-8.17	17.7	9.8
8,453.0	1.00	191.40	8,430.7	-206.6	-366.8	0.11	-0.11	-1.94	15.7	10.3
8,548.0	1.20	186.50	8,525.7	-208.4	-367.1	0.23	0.21	-5.16	13.0	11.5
8,642.0	1.20	171.60	8,619.7	-210.4	-367.0	0.33	0.00	-15.85	7.6	14.2
8,736.0	1.20	165.30	8,713.7	-212.3	-368.6	0.14	0.00	-6.70	4.0	14.8
8,831.0	1.30	164.90	8,808.7	-214.3	-366.1	0.11	0.11	-0.42	1.9	14.8
8,925.0	1.40	167.00	8,902.6	-216.5	-365.6	0.12	0.11	2.23	0.2	14.9
9,018.0	1.20	175.10	8,995.6	-218.5	-365.2	0.29	-0.22	8.71	0.2	14.8
9,112.0	1.20	179.80	9,089.6	-220.5	-365.1	0.10	0.00	5.00	-0.6	14.8
9,207.0	1.20	178.10	9,184.6	-222.5	-365.1	0.04	0.00	-1.79	-3.0	14.8
9,301.0	1.10	183.00	9,278.5	-224.4	-365.1	0.15	-0.11	5.21	-3.6	15.1
9,394.0	1.10	190.60	9,371.5	-226.1	-365.3	0.16	0.00	8.17	-3.3	15.5
9,488.0	1.20	200.20	9,465.5	-228.0	-365.8	0.23	0.11	10.21	-2.6	16.0
9,581.0	1.00	214.80	9,558.5	-229.5	-366.6	0.37	-0.22	15.70	-0.2	16.4
9,675.0	1.00	238.00	9,652.5	-230.6	-367.8	0.43	0.00	24.68	4.7	15.5
9,770.0	1.30	235.40	9,747.5	-231.7	-369.4	0.32	0.32	-2.74	2.1	15.7
9,864.0	1.60	225.60	9,841.4	-233.2	-371.2	0.41	0.32	-10.43	-3.0	15.8
9,957.0	1.80	236.50	9,934.4	-234.9	-373.4	0.46	0.22	13.87	-2.1	16.2
10,052.0	1.80	262.80	10,029.3	-235.8	-376.0	0.78	-0.21	25.58	2.0	16.2
10,147.0	1.80	289.50	10,124.3	-235.5	-378.7	0.85	0.21	28.11	6.4	14.2
10,239.0	2.00	284.80	10,216.3	-234.6	-381.6	0.28	0.22	-5.11	2.2	14.5
10,333.0	1.30	295.80	10,310.2	-233.7	-384.2	0.81	-0.74	11.70	2.2	14.2
10,428.0	1.10	286.20	10,405.2	-233.0	-388.0	0.30	-0.21	-10.11	-2.1	14.2



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10,522.0	0.30	244.30	10,499.2	-232.9	-387.1	0.96	-0.85	-44.57	-12.0	8.5
10,616.0	0.20	140.60	10,593.2	-233.1	-387.2	0.42	-0.11	-110.32	-5.5	-13.9
10,709.0	0.30	219.00	10,686.2	-233.4	-387.3	0.35	0.11	84.30	-15.0	2.8
10,803.0	1.20	251.60	10,780.2	-233.9	-388.3	1.02	0.96	34.68	-12.3	10.6
10,898.0	1.60	276.80	10,875.2	-234.1	-390.6	0.76	0.42	26.53	-8.9	15.2
10,992.0	1.00	307.10	10,969.1	-233.4	-392.6	0.95	-0.64	32.23	-1.9	18.3
11,086.0	1.10	297.30	11,063.1	-232.5	-394.0	0.22	0.11	-10.43	-6.7	17.5
11,181.0	1.80	282.30	11,158.1	-231.8	-396.3	0.83	0.74	-15.79	-13.4	15.0
11,274.0	2.50	293.40	11,251.0	-230.7	-399.6	0.87	0.75	11.94	-13.7	17.6
11,368.0	3.60	280.80	11,344.9	-229.3	-404.4	1.36	1.17	-13.40	-22.2	13.7
11,462.0	3.00	285.40	11,438.7	-228.1	-409.6	0.70	-0.64	4.89	-26.4	15.7
11,555.0	2.30	281.10	11,531.6	-227.1	-413.8	0.78	-0.75	-4.62	-31.8	13.5
11,650.0	2.20	286.80	11,626.6	-226.2	-417.4	0.26	-0.11	6.00	-34.0	16.7
11,744.0	1.60	275.30	11,720.5	-225.5	-420.5	0.75	-0.64	-12.23	-39.8	9.3
11,815.0	1.60	275.30	11,791.5	-225.4	-422.4	0.00	0.00	0.00	-41.8	9.3
11,882.0	1.40	267.70	11,858.5	-225.3	-424.2	0.42	-0.30	-11.34	-44.4	3.5
11,977.0	0.90	183.60	11,953.4	-226.1	-425.4	1.67	-0.53	-88.53	-8.9	-44.9
12,071.0	1.40	175.80	12,047.4	-228.0	-425.3	0.56	0.53	-8.30	-4.8	-45.8
12,165.0	1.90	225.50	12,141.4	-230.2	-426.4	1.55	0.53	52.87	-40.2	-25.2
12,259.0	4.90	3.30	12,235.3	-227.3	-427.3	6.85	3.19	146.60	18.9	48.2
12,352.0	19.00	3.50	12,326.0	-208.1	-426.1	15.16	15.16	0.22	26.0	44.4
12,447.0	32.00	4.90	12,411.6	-187.4	-423.0	13.70	13.68	1.47	29.0	40.4
12,541.0	45.00	9.30	12,485.0	-109.6	-415.5	14.13	13.83	4.68	29.2	31.3
12,635.0	58.80	5.50	12,542.9	-38.4	-406.2	15.02	14.68	-4.04	21.3	23.7
12,729.0	71.00	3.00	12,582.7	48.3	-400.0	13.20	12.98	-2.66	11.1	17.8
12,823.0	80.00	2.10	12,606.2	139.2	-396.0	9.62	9.57	-0.96	2.1	13.3
12,871.0	84.60	0.50	12,612.6	186.7	-394.9	10.14	9.58	-3.33	-1.0	11.9



Midland, PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #707H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25 @ 3378.0usft
 MD Reference: KB = 25 @ 3379.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 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)
12,917.0	88.30	359.10	12,615.5	232.6	-395.0	8.60	8.04	-3.04	-2.8	11.7
13,011.0	90.20	359.00	12,616.7	326.6	-396.6	2.02	2.02	-0.11	-2.3	12.6
13,104.0	90.60	2.50	12,616.1	419.6	-395.4	3.79	0.43	3.78	-3.1	10.7
13,198.0	87.70	1.70	12,617.5	513.5	-391.9	3.20	-3.09	-0.85	-1.8	6.6
13,291.0	91.80	3.50	12,617.9	606.4	-387.7	4.81	4.41	1.94	-1.5	1.7
13,386.0	88.50	0.90	12,617.6	701.3	-384.1	4.42	-3.47	-2.74	-1.9	-2.7
13,480.0	89.30	1.30	12,619.4	795.2	-382.3	0.95	0.85	0.43	-0.2	-5.1
13,574.0	89.70	359.30	12,620.2	889.2	-381.8	2.17	0.43	-2.13	0.5	-6.3
13,668.0	89.30	357.50	12,621.1	983.2	-384.4	1.96	-0.43	-1.91	1.3	-4.4
13,762.0	90.40	358.00	12,621.3	1,077.1	-388.1	1.29	1.17	0.53	1.4	-1.4
13,855.0	91.70	359.00	12,619.6	1,170.1	-390.5	1.78	1.40	1.08	-0.4	0.4
13,949.0	88.10	357.70	12,619.8	1,264.0	-393.2	4.07	-3.83	-1.38	-0.4	2.4
14,044.0	92.80	359.30	12,619.2	1,358.9	-395.7	5.03	4.74	1.68	-1.1	4.2
14,137.0	90.70	359.30	12,616.5	1,451.9	-396.9	2.04	-2.04	0.00	-3.9	4.6
14,231.0	87.90	358.30	12,617.7	1,545.8	-398.8	3.16	-2.98	-1.06	-2.8	5.9
14,324.0	89.20	358.20	12,620.0	1,638.8	-401.7	1.40	1.40	-0.11	-0.6	8.1
14,419.0	89.20	357.50	12,621.3	1,733.7	-405.2	0.74	0.00	-0.74	0.6	10.9
14,513.0	92.60	357.90	12,619.9	1,827.6	-409.0	3.64	3.62	0.43	-0.9	14.0
14,607.0	88.50	358.10	12,619.0	1,921.5	-412.3	4.37	-4.36	0.21	-2.0	16.6
14,701.0	87.90	358.50	12,621.9	2,015.4	-415.1	0.77	-0.64	0.43	0.8	18.7
14,796.0	91.20	359.00	12,622.7	2,110.4	-417.1	3.51	3.47	0.53	1.4	20.1
14,890.0	88.70	1.40	12,622.7	2,204.4	-416.8	3.69	-2.66	2.55	1.3	19.1
14,983.0	89.80	2.10	12,624.0	2,297.3	-414.0	1.40	1.18	0.75	2.3	15.6
15,077.0	92.20	2.30	12,622.3	2,391.2	-410.4	2.56	2.55	0.21	0.5	11.3
15,171.0	92.00	2.00	12,618.9	2,485.1	-408.8	0.38	-0.21	-0.32	-3.1	7.1
15,265.0	88.90	359.90	12,618.1	2,579.1	-405.3	3.98	-3.30	-2.23	-4.0	4.8
15,359.0	88.00	359.50	12,620.7	2,673.0	-405.8	1.05	-0.96	-0.43	-1.7	4.6



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #707H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25 @ 3379.0ush
 MD Reference: KB = 25 @ 3379.0ush
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,453.0	88.80	359.30	12,623.3	2,767.0	-408.8	0.88	0.85	-0.21	0.7	4.9
15,547.0	88.00	358.80	12,625.9	2,880.9	-408.2	0.95	-0.85	-0.43	3.2	5.7
15,641.0	88.40	359.20	12,628.9	2,954.9	-409.8	0.53	0.43	0.32	5.9	6.6
15,735.0	87.90	358.40	12,631.9	3,048.8	-411.8	1.00	-0.53	-0.85	8.8	7.9
15,829.0	89.10	358.70	12,634.4	3,142.7	-414.1	1.32	1.28	0.32	11.1	9.6
15,923.0	92.40	359.60	12,633.2	3,236.7	-415.5	3.64	3.51	0.96	9.6	10.3
16,016.0	92.50	0.20	12,629.2	3,328.6	-415.7	0.65	0.11	0.65	5.5	9.8
16,110.0	89.00	0.10	12,627.9	3,423.6	-415.4	3.72	-3.72	-0.11	4.1	8.8
16,204.0	89.80	0.40	12,628.9	3,517.6	-415.0	0.91	0.85	0.32	4.9	7.7
16,298.0	88.90	1.30	12,630.0	3,611.6	-413.6	1.35	-0.96	0.96	5.7	5.6
16,392.0	89.00	1.30	12,631.7	3,705.5	-411.5	0.11	0.11	0.00	7.3	2.6
16,486.0	88.20	0.50	12,634.0	3,799.5	-410.0	1.20	-0.85	-0.85	9.4	0.7
16,580.0	90.40	1.20	12,635.2	3,893.5	-408.6	2.46	2.34	0.74	10.3	-1.4
16,674.0	90.50	0.70	12,634.4	3,987.5	-407.1	0.54	0.11	-0.53	9.4	-3.7
16,768.0	90.40	0.40	12,633.7	4,081.4	-406.2	0.34	-0.11	-0.32	8.3	-5.3
16,861.0	89.30	359.90	12,633.9	4,174.4	-405.9	1.30	-1.18	-0.54	8.2	-6.2
16,955.0	89.80	359.60	12,634.7	4,268.4	-408.3	0.62	0.53	-0.32	8.6	-6.5
17,048.0	90.60	359.30	12,634.3	4,361.4	-407.2	0.92	0.86	-0.32	7.9	-6.2
17,142.0	90.30	358.70	12,633.6	4,455.4	-408.9	0.71	-0.32	-0.64	6.8	-5.3
17,236.0	89.80	358.10	12,633.5	4,549.4	-411.5	0.83	-0.53	-0.64	6.4	-3.4
17,331.0	90.00	357.80	12,633.7	4,644.3	-414.9	0.38	0.21	-0.32	6.2	-0.6
17,425.0	89.80	357.30	12,633.9	4,738.2	-418.9	0.57	-0.21	-0.53	6.0	2.7
17,519.0	90.70	357.40	12,633.4	4,832.1	-423.3	0.98	0.96	0.11	5.2	6.3
17,613.0	92.00	359.90	12,631.2	4,926.1	-425.5	3.00	1.38	2.66	2.6	7.9
17,707.0	92.40	0.20	12,627.6	5,020.0	-425.4	0.53	0.43	0.32	-1.4	7.1
17,802.0	92.20	0.80	12,623.8	5,114.9	-424.6	0.67	-0.21	0.63	-5.5	5.6
17,896.0	87.80	359.90	12,623.7	5,208.9	-424.0	4.67	-4.57	-0.96	-6.0	4.3



Midland PVA

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 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #707H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25 @ 3379.0usft
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 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)
17,989.0	87.60	359.40	12,627.4	5,301.8	-424.6	0.63	-0.32	-0.54	-2.7	4.2
18,082.0	88.70	359.80	12,630.4	5,394.8	-425.2	1.26	1.18	0.43	0.0	4.2
18,178.0	90.00	359.60	12,631.4	5,488.8	-425.7	1.40	1.38	-0.21	0.7	4.0
18,269.0	91.40	0.00	12,630.3	5,581.7	-428.0	1.57	1.51	0.43	-0.8	3.8
18,364.0	91.30	0.50	12,628.1	5,676.7	-425.6	0.54	-0.11	0.53	-3.4	2.5
18,458.0	89.10	359.60	12,627.7	5,770.7	-425.5	2.53	-2.34	-0.96	-4.1	1.8
18,552.0	90.00	359.90	12,628.5	5,864.7	-425.9	1.01	0.96	0.32	-3.7	1.5
18,648.0	89.50	359.60	12,628.9	5,960.7	-426.4	0.81	-0.52	-0.31	-3.7	1.2
18,742.0	90.60	0.10	12,628.8	6,054.7	-426.6	1.29	1.17	0.53	-4.1	0.8
18,836.0	88.50	357.40	12,628.6	6,148.7	-428.7	3.84	-2.23	-2.87	-3.8	2.1
18,929.0	89.80	358.10	12,630.9	6,241.6	-432.3	1.59	1.40	0.75	-2.7	5.1
19,024.0	91.10	358.70	12,630.2	6,336.5	-435.0	1.51	1.37	0.83	-3.8	7.0
19,118.0	90.80	358.40	12,628.6	6,430.5	-437.3	0.45	-0.32	-0.32	-5.8	8.7
19,212.0	90.50	357.80	12,627.6	6,524.4	-440.5	0.71	-0.32	-0.64	-7.2	11.2
19,307.0	90.50	358.80	12,626.7	6,618.4	-443.3	1.05	0.00	1.05	-8.3	13.3
19,401.0	88.70	359.20	12,627.4	6,713.4	-444.9	1.86	-1.91	0.43	-7.9	14.2
19,495.0	88.70	359.90	12,629.5	6,807.3	-445.6	0.74	0.00	0.74	-6.0	14.3
19,588.0	89.30	0.50	12,631.1	6,900.3	-445.3	0.81	0.65	0.65	-4.5	13.3
19,682.0	89.10	0.40	12,632.5	6,994.3	-444.6	0.24	-0.21	-0.11	-3.4	11.9
19,777.0	89.70	0.80	12,633.5	7,089.3	-443.6	0.76	0.63	0.42	-2.7	10.2
19,871.0	90.80	1.30	12,633.0	7,183.3	-441.9	1.29	1.17	0.53	-3.3	7.8
19,965.0	89.70	0.40	12,632.6	7,277.3	-440.5	1.51	-1.17	-0.96	-3.9	5.7
20,058.0	90.10	0.80	12,632.6	7,370.3	-439.7	0.48	0.43	0.22	-3.9	4.2
20,153.0	90.80	1.20	12,632.0	7,465.2	-438.2	1.05	0.84	0.63	-5.0	2.0
20,246.0	90.50	0.80	12,630.8	7,558.2	-436.5	0.61	-0.43	-0.43	-6.3	-0.3
20,340.0	90.80	0.40	12,629.8	7,652.2	-435.6	0.53	0.32	-0.43	-7.6	-2.0
20,434.0	90.50	0.20	12,628.7	7,746.2	-435.1	0.38	-0.32	-0.21	-8.9	-3.1



Midland PVA

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 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #707H
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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)
20,528.0	90.90	0.50	12,627.6	7,840.2	-434.5	0.53	0.43	0.32	-10.2	-4.4
20,622.0	92.00	1.20	12,625.2	7,934.2	-433.1	1.39	1.17	0.74	-12.8	-6.5
20,714.0	89.80	0.80	12,623.7	8,026.1	-431.5	2.43	-2.39	-0.43	-14.5	-8.8
20,808.0	87.90	1.00	12,625.6	8,120.1	-430.0	2.03	-2.02	0.21	-12.8	-10.9
20,902.0	88.00	0.90	12,629.0	8,214.0	-428.5	0.15	0.11	-0.11	-9.6	-13.2
20,997.0	89.50	1.80	12,631.0	8,309.0	-426.2	1.84	1.58	0.85	-7.8	-16.1
21,091.0	91.20	2.90	12,630.5	8,402.9	-422.4	2.15	1.81	1.17	-6.5	-20.6
21,184.0	91.10	3.00	12,628.6	8,495.7	-417.6	0.15	-0.11	0.11	-10.4	-26.1
21,279.0	90.30	2.00	12,627.4	8,590.6	-413.4	1.35	-0.84	-1.05	-11.6	-30.9
21,373.0	89.90	1.70	12,627.3	8,684.6	-410.4	0.53	-0.43	-0.32	-11.7	-34.7
21,466.0	87.90	358.10	12,629.1	8,777.5	-410.6	4.43	-2.15	-3.87	-9.9	-35.2
21,559.0	87.90	357.90	12,632.5	8,870.4	-413.8	0.21	0.00	-0.22	-6.5	-32.6
21,654.0	89.20	358.60	12,634.9	8,965.4	-416.7	1.55	1.37	0.74	-4.1	-30.4
21,748.0	90.00	358.90	12,635.5	9,059.3	-418.8	0.91	0.85	0.32	-3.5	-29.0
21,842.0	89.80	358.60	12,635.7	9,153.3	-420.8	0.38	-0.21	-0.32	-3.3	-27.7
21,936.0	90.20	358.30	12,635.7	9,247.3	-423.4	0.53	0.43	-0.32	-3.3	-25.8
22,028.0	91.70	359.20	12,634.2	9,339.2	-425.4	1.90	1.63	0.88	-4.8	-24.5
22,122.0	88.50	357.10	12,634.0	9,433.2	-428.4	4.07	-3.40	-2.23	-5.0	-22.1
22,216.0	88.90	357.40	12,636.1	9,527.0	-432.9	0.53	0.43	0.32	-2.8	-18.3
22,309.0	90.90	358.20	12,636.3	9,620.0	-436.5	2.32	2.15	0.86	-2.7	-15.4
22,404.0	91.40	358.30	12,634.4	9,714.9	-439.4	0.54	0.53	0.11	-4.6	-13.2
22,497.0	87.60	357.50	12,635.2	9,807.8	-442.8	4.18	-4.09	-0.86	-3.8	-10.5
22,592.0	87.80	357.60	12,639.0	9,902.6	-446.8	0.24	0.21	0.11	0.0	-7.1
22,687.0	88.60	357.30	12,641.2	9,997.5	-451.1	1.82	1.89	-0.32	2.2	-3.6
22,782.0	91.90	358.10	12,639.9	10,092.4	-454.9	2.56	2.42	0.84	0.9	-0.5
22,866.0	91.90	358.10	12,637.2	10,176.3	-457.7	0.00	0.00	0.00	-1.8	1.7



Midland PVA

Company: EOG Resources - Midland
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Site: Peachtree 24 Fed Com
Well: #707H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 25 @ 8379.0usft
MD Reference: KB = 25 @ 3379.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+NLS (usft)	+EAW (usft)	
12,130.0	12,106.4	-229.4	-425.7	KOP, MD:12130.0', TVD:12106.4', N/S:-229.4', E/W:-425.7', INC:1.58
12,442.1	12,407.4	-170.0	-423.2	FTP Crossing, MD:12442.1', TVD:12407.4', N/S:-170.0', E/W:-423.2', INC:31.33
22,782.0	12,639.9	10,092.4	-454.9	Last MWD Survey (MD=22782.0')
22,866.0	12,637.2	10,176.3	-457.7	Projection to Bit (MD=22866.0')

Checked By: _____ Approved By: _____ Date: _____

I certify this survey to be true and correct to the best of my belief and knowledge.

Signed Kay Maddox Date 2/10/2020



Lea County, NM (NAD 83 NME)

Peachtree 24 Fed Com #707H

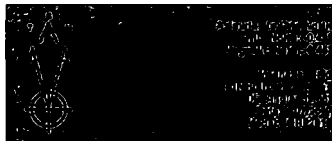
Plan #1

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 @ 3379.0usft 3354.0
Northing 372823.00 Easting 791130.00 Latitude 32° 1' 20.673 N Longitude 103° 31' 38.408 W



To convert a Magnetic Direction to a Grid Direction, Add 6.45°
To convert a Magnetic Direction to a True Direction, Add 6.85° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

SECTION DETAILS

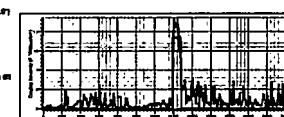
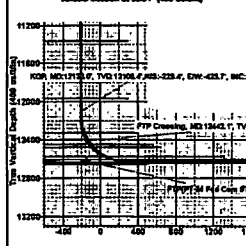
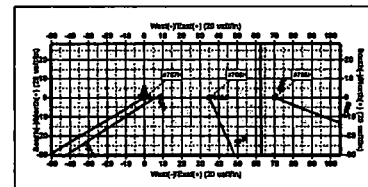
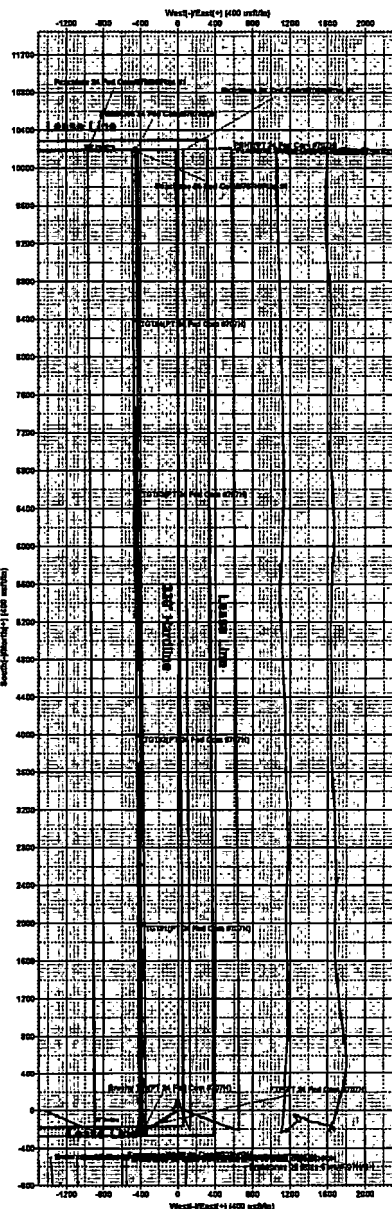
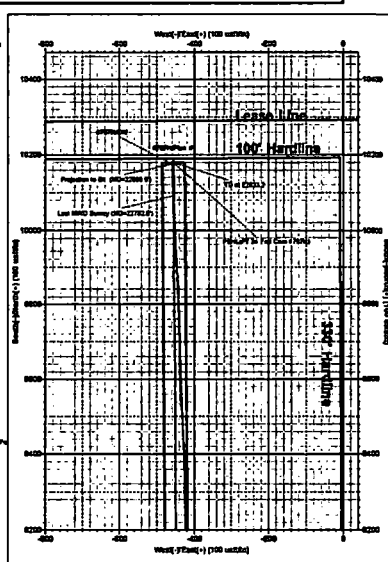
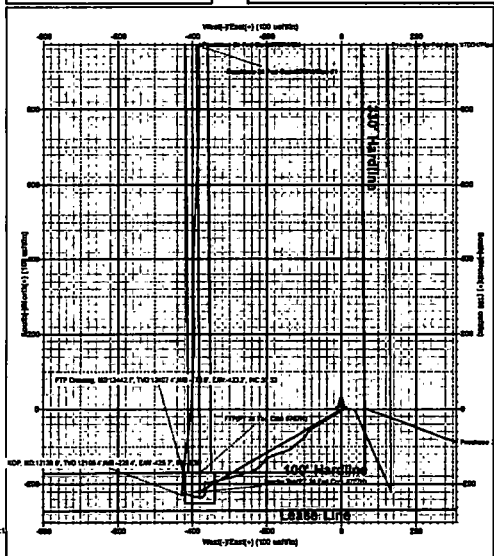
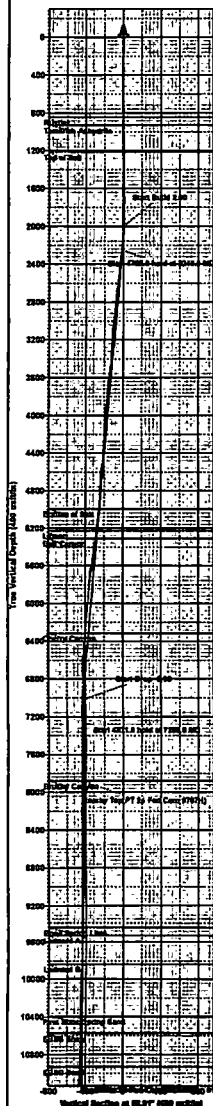
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2249.9	5.00	239.93	2249.9	-5.5	-8.4	2.00	239.93	-5.0	
4	7038.9	5.00	239.93	7020.4	-214.5	-370.6	0.00	0.00	-197.7	
5	7288.9	0.00	0.00	7270.0	-220.0	-380.0	2.00	180.00	-202.8	
6	12150.3	0.00	0.00	12141.5	-220.0	-380.0	0.00	0.00	-202.8	
7	12909.8	89.93	359.58	12819.0	256.9	-383.5	12.00	359.58	273.8	
8	14637.2	89.93	359.58	12821.0	1984.3	-396.1	0.00	0.00	2000.0	TGT#1(PT 24 Fed Com #707H)
9	14639.6	89.89	359.58	12821.0	1986.7	-396.1	2.00	180.00	2002.4	
10	16638.6	89.89	359.58	12825.0	3985.6	-410.7	0.00	0.00	4000.0	TGT#2(PT 24 Fed Com #707H)
11	16643.9	89.78	359.58	12825.0	3990.9	-410.8	2.00	-180.00	4005.3	
12	19240.5	89.78	359.58	12635.0	6587.4	-426.7	0.00	0.00	6600.0	TGT#3(PT 24 Fed Com #707H)
13	19245.2	89.87	359.58	12635.0	6592.1	-426.8	2.00	0.00	6604.7	
14	21041.7	89.87	359.58	12639.0	8388.6	-442.9	0.00	0.00	8400.0	TGT#4(PT 24 Fed Com #707H)
15	21048.1	90.00	359.58	12639.0	8395.0	-443.0	2.00	0.00	8406.4	
16	22833.2	90.00	359.58	12639.0	10180.0	-456.0	0.00	0.00	10190.2	PBHL(PT 24 Fed Com #707H)

CASING DETAILS

No casing data is available

WELLBORE YARDBY DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top(PT 24 Fed Com #707H)	7880.0	-220.0	-380.0	372803.00	790760.00
PT#1(PT 24 Fed Com #707H)	12919.0	-170.0	-380.0	372833.00	790760.00
TGT#1(PT 24 Fed Com #707H)	12621.0	1984.3	-396.1	374807.30	790763.69
TGT#2(PT 24 Fed Com #707H)	12825.0	3985.6	-410.7	378906.60	790719.27
TGT#3(PT 24 Fed Com #707H)	12635.0	6587.4	-426.7	378410.40	790700.28
PBHL(PT 24 Fed Com #707H)	12639.0	10180.0	-456.0	383003.00	790674.00
TGT#4(PT 24 Fed Com #707H)	12639.0	8388.6	-442.9	381211.60	790687.09



1" = 100' Vertical Scale
1" = 100' Horizontal Scale