

HOBBS OCD
FEB 17 2020
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Peachtree 24 Fed Com

#706H

OH

Design: OH

Midland PVA

16 July, 2019



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #706H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25 @ 3381.0usft
 MD Reference: KB = 25 @ 3381.0usft
 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	#706H		
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' 20.671 N
		Longitude:	103° 31' 38.002 W
		Ground Level:	3,356.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/7/2017	6.88	59.88	47,783.14628221

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	0.12	

Survey Program	Date 7/15/2019				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
194.0	22,805.0	Prodirectional (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	1.20	92.80	194.0	-0.1	2.0	0.62	0.62	0.00	-2.0	0.0
303.0	1.50	88.20	303.0	-0.1	4.6	0.29	0.28	-4.22	-4.6	-0.3
388.0	1.10	75.30	387.9	0.1	6.5	0.58	-0.47	-15.18	-6.3	-1.5
473.0	0.90	65.80	472.9	0.6	7.9	0.30	-0.24	-11.18	-7.5	-2.7
571.0	1.00	70.90	570.9	1.2	9.4	0.13	0.10	5.20	-9.3	-1.9
665.0	0.70	73.70	664.9	1.6	10.7	0.32	-0.32	2.98	-10.8	-1.4
759.0	0.90	97.60	758.9	1.7	12.0	0.41	0.21	25.43	-11.7	3.3
853.0	0.70	68.80	852.9	1.8	13.3	0.47	-0.21	-30.64	-13.0	-3.1
906.0	0.80	85.10	905.9	2.0	14.0	0.44	0.19	30.75	-14.1	0.8
1,038.0	0.90	97.70	1,037.9	1.9	15.9	0.16	0.08	9.55	-15.5	4.0
1,225.0	1.30	73.90	1,224.8	2.3	19.4	0.32	0.21	-12.73	-19.3	-3.2
1,413.0	1.90	164.40	1,412.8	-0.1	22.3	1.23	0.32	48.14	-8.1	21.4
1,507.0	2.40	174.70	1,506.7	-3.6	22.9	0.67	0.53	10.96	-5.7	22.5
1,600.0	2.40	173.60	1,599.6	-7.5	23.3	0.05	0.00	-1.18	-10.0	22.3
1,694.0	2.60	179.30	1,693.5	-11.5	23.5	0.34	0.21	6.06	-11.8	23.4
1,789.0	2.60	175.80	1,788.4	-15.8	23.7	0.17	0.00	-3.68	-17.5	22.5
1,882.0	2.60	175.80	1,881.3	-20.1	24.0	0.00	0.00	0.00	-21.7	22.5
1,975.0	2.70	179.30	1,974.2	-24.3	24.2	0.20	0.11	3.76	-24.6	23.9
2,069.0	2.80	181.30	2,068.1	-28.9	24.2	0.15	0.11	2.13	-28.3	24.8
2,163.0	2.70	179.70	2,162.0	-33.4	24.1	0.13	-0.11	-1.70	-33.5	24.0
2,257.0	2.70	174.30	2,255.9	-37.8	24.4	0.27	0.00	-5.74	-40.0	20.5
2,351.0	2.50	171.20	2,349.8	-42.0	24.9	0.26	-0.21	-3.30	-45.3	18.2
2,445.0	2.70	165.80	2,443.7	-46.2	25.8	0.34	0.21	-5.96	-51.1	13.5
2,539.0	2.80	162.80	2,537.6	-50.6	27.0	0.28	0.21	-2.98	-56.3	10.9
2,633.0	3.30	159.20	2,631.5	-55.4	28.7	0.47	0.43	-3.83	-62.0	7.1
2,727.0	3.30	156.90	2,725.3	-60.4	30.7	0.14	0.00	-2.45	-67.6	4.5



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2,822.0	3.20	158.70	2,820.2	-85.4	32.7	0.15	-0.11	1.89	-72.8	8.8
2,917.0	3.40	156.80	2,915.0	-70.5	34.8	0.25	0.21	-2.21	-78.5	4.0
3,011.0	3.60	151.10	3,008.8	-75.6	37.3	0.42	0.21	-5.85	-84.2	-3.8
3,108.0	4.20	144.30	3,103.6	-81.0	40.8	0.80	0.63	-7.16	-89.8	-14.2
3,199.0	4.80	137.80	3,196.3	-86.7	45.4	0.85	0.65	-6.99	-94.7	-24.7
3,293.0	5.20	134.60	3,290.0	-92.6	51.1	0.52	0.43	-3.40	-101.4	-30.2
3,387.0	5.40	132.90	3,383.6	-98.6	57.4	0.27	0.21	-1.81	-109.1	-33.3
3,481.0	4.70	132.20	3,477.2	-104.2	63.5	0.75	-0.74	-0.74	-117.0	-34.7
3,575.0	4.50	134.40	3,570.9	-109.4	69.0	0.28	-0.21	2.34	-125.8	-30.0
3,669.0	5.80	174.30	3,664.6	-118.7	72.1	3.95	1.38	42.45	-123.1	80.4
3,763.0	6.40	175.30	3,758.0	-126.6	73.0	0.65	0.64	1.06	-132.0	62.7
3,857.0	6.50	167.80	3,851.4	-137.0	74.5	0.90	0.11	-7.98	-149.6	44.1
3,951.0	5.50	154.70	3,944.8	-148.3	77.6	1.80	-1.06	-13.94	-165.4	7.6
4,045.0	4.00	143.10	4,038.6	-153.0	81.5	1.89	-1.60	-12.34	-171.3	-26.8
4,139.0	3.80	135.00	4,132.4	-157.8	85.6	0.62	-0.21	-8.62	-172.1	-51.2
4,233.0	4.40	114.30	4,226.1	-161.5	91.1	1.69	0.64	-22.02	-149.4	-109.9
4,327.0	4.00	113.20	4,319.9	-164.3	97.4	0.43	-0.43	-1.17	-154.1	-112.8
4,421.0	3.60	154.70	4,413.7	-168.2	101.7	2.89	-0.43	44.15	-195.6	20.1
4,516.0	3.50	175.00	4,508.5	-173.8	103.2	1.32	-0.11	21.37	-182.1	87.8
4,609.0	3.40	162.00	4,601.4	-179.3	104.3	0.85	-0.11	-13.98	-202.7	43.9
4,704.0	3.00	140.90	4,696.2	-183.9	106.8	1.30	-0.42	-22.21	-210.0	-33.2
4,797.0	3.40	158.40	4,789.1	-188.3	109.3	1.13	0.43	18.82	-215.4	32.4
4,891.0	4.60	180.80	4,882.8	-194.7	110.3	2.07	1.28	23.83	-193.0	113.3
4,984.0	5.00	185.80	4,975.5	-202.5	109.8	0.62	0.43	5.38	-190.1	130.1
5,078.0	4.50	187.00	5,069.2	-210.2	109.0	0.54	-0.53	1.28	-195.2	134.0
5,171.0	1.00	245.50	5,162.1	-214.2	107.8	4.37	-3.76	62.90	9.2	238.8
5,266.0	1.10	307.80	5,257.1	-213.9	106.3	1.15	0.11	65.58	210.9	101.8



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5,360.0	1.00	287.00	5,351.0	-213.0	104.9	0.24	-0.11	-11.49	180.7	134.9
5,454.0	1.00	296.00	5,445.0	-212.3	103.4	0.02	0.00	-1.06	169.2	131.8
5,548.0	0.90	293.00	5,539.0	-211.6	102.0	0.12	-0.11	-3.19	153.3	133.7
5,642.0	1.00	297.70	5,633.0	-211.0	100.8	0.13	0.11	5.00	154.5	114.7
5,736.0	0.90	299.30	5,727.0	-210.2	99.2	0.11	-0.11	1.70	148.2	104.5
5,830.0	0.80	307.10	5,821.0	-209.5	98.0	0.16	-0.11	8.30	151.0	78.8
5,923.0	0.80	314.60	5,914.0	-208.7	97.2	0.24	-0.22	8.06	149.9	54.9
6,018.0	0.80	316.10	6,009.0	-208.0	96.5	0.02	0.00	1.58	140.9	47.6
6,112.0	0.80	313.90	6,103.0	-207.2	95.6	0.21	0.21	-2.34	128.7	49.3
6,207.0	0.90	311.60	6,198.0	-206.3	94.6	0.11	0.11	-2.42	116.1	50.4
6,300.0	0.90	298.90	6,290.9	-205.4	93.4	0.21	0.00	-13.66	93.0	68.7
6,394.0	1.00	297.40	6,384.9	-204.7	92.1	0.11	0.11	-1.60	81.9	65.0
6,488.0	1.10	294.70	6,478.9	-203.9	90.5	0.12	0.11	-2.87	69.6	62.3
6,582.0	1.10	288.30	6,572.9	-203.3	88.8	0.13	0.00	-6.81	53.8	62.4
6,675.0	1.10	288.30	6,665.9	-202.7	87.1	0.00	0.00	0.00	45.5	55.2
6,769.0	1.20	288.80	6,759.9	-202.1	85.3	0.11	0.11	0.53	37.3	47.8
6,863.0	1.20	318.50	6,853.8	-201.1	83.8	0.65	0.00	31.60	44.8	20.4
6,956.0	0.90	18.60	6,946.8	-199.6	83.3	1.16	-0.32	64.62	31.6	-21.3
7,051.0	1.00	29.60	7,041.8	-198.2	84.0	0.22	0.11	11.58	19.5	-18.8
7,145.0	0.90	23.60	7,135.8	-196.8	84.7	0.15	-0.11	-6.38	13.3	-9.5
7,239.0	0.80	13.20	7,229.8	-195.5	85.1	0.20	-0.11	-11.06	5.6	-1.1
7,332.0	0.70	18.50	7,322.8	-194.3	85.5	0.13	-0.11	5.70	-2.9	5.0
7,426.0	0.40	18.10	7,416.8	-193.5	85.8	0.32	-0.32	-0.43	-10.9	11.4
7,520.0	0.10	342.40	7,510.8	-193.1	85.8	0.34	-0.32	-37.98	-22.8	3.5
7,614.0	0.20	11.20	7,604.8	-192.9	85.8	0.13	0.11	30.64	-21.6	16.3
7,707.0	0.00	304.30	7,697.8	-192.7	85.9	0.22	-0.22	0.00	-25.3	12.1
7,801.0	0.30	219.80	7,791.8	-192.9	85.7	0.32	0.32	0.00	11.4	-25.5



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7,895.0	0.30	198.40	7,885.8	-193.3	85.5	0.12	0.00	-22.77	19.5	-19.7
7,989.0	0.60	199.70	7,979.8	-194.0	85.2	0.32	0.32	1.38	18.3	-20.1
8,083.0	0.70	199.40	8,073.8	-195.0	84.9	0.11	0.11	-0.32	17.3	-20.0
8,178.0	0.90	194.20	8,166.8	-196.3	84.5	0.23	0.22	-5.59	17.8	-18.4
8,269.0	1.00	203.90	8,259.7	-197.7	84.0	0.20	0.11	10.43	12.9	-21.0
8,363.0	1.10	212.00	8,353.7	-199.2	83.2	0.19	0.11	8.62	8.1	-22.5
8,456.0	1.10	213.20	8,446.7	-200.7	82.2	0.02	0.00	1.29	5.8	-22.7
8,551.0	1.20	205.40	8,541.7	-202.4	81.3	0.20	0.11	-8.21	6.9	-21.8
8,644.0	1.30	208.80	8,634.7	-204.2	80.4	0.11	0.11	1.51	4.4	-21.9
8,738.0	1.40	209.90	8,728.6	-206.2	79.4	0.13	0.11	3.30	1.0	-22.1
8,833.0	1.50	213.10	8,823.6	-208.2	78.1	0.14	0.11	3.37	-2.7	-22.0
8,927.0	1.60	201.40	8,917.6	-210.5	76.9	0.35	0.11	-12.45	-0.7	-22.4
9,020.0	1.90	200.80	9,010.5	-213.1	75.9	0.32	0.32	-0.65	-3.3	-22.4
9,115.0	1.80	210.50	9,105.5	-215.9	74.6	0.35	-0.11	10.21	-10.0	-21.2
9,210.0	2.00	214.50	9,200.4	-218.5	72.9	0.25	0.21	4.21	-14.6	-20.4
9,302.0	2.00	215.70	9,292.4	-221.1	71.1	0.05	0.00	1.30	-18.3	-20.0
9,397.0	1.70	214.00	9,387.3	-223.7	69.3	0.32	-0.32	-1.79	-20.7	-20.6
9,492.0	1.60	216.00	9,482.3	-225.9	67.7	0.12	-0.11	2.11	-24.2	-19.8
9,581.0	1.10	233.30	9,571.2	-229.1	64.7	0.34	-0.26	9.15	-33.3	-11.0
9,775.0	1.40	237.60	9,765.2	-230.3	63.0	0.33	0.32	4.57	-36.1	-8.4
9,868.0	1.70	246.10	9,858.2	-231.4	60.8	0.41	0.32	9.14	-39.4	-2.8
9,982.0	1.70	245.90	9,952.1	-232.6	58.3	0.01	0.00	-0.21	-42.2	-2.9
10,056.0	1.60	266.30	10,046.1	-233.2	55.7	0.63	-0.11	21.70	-43.2	12.5
10,150.0	1.60	319.70	10,140.1	-232.3	53.5	1.53	0.00	56.81	-17.8	43.2
10,243.0	1.30	280.00	10,233.0	-231.1	51.7	1.10	-0.32	-42.69	-43.4	21.0
10,338.0	2.00	287.10	10,328.0	-231.0	48.9	0.83	0.74	-13.58	-49.7	10.5
10,432.0	0.90	327.80	10,422.0	-230.5	46.9	1.86	-1.17	64.57	-16.7	49.9



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10,526.0	1.00	77.20	10,516.0	-228.7	47.3	1.65	0.11	116.38	52.0	-0.2
10,620.0	1.10	109.60	10,610.0	-229.8	49.0	0.63	0.11	34.47	42.2	-27.6
10,714.0	1.20	202.20	10,703.9	-231.0	49.4	1.77	0.11	98.51	-30.4	-40.0
10,807.0	2.70	210.80	10,798.9	-233.8	48.0	1.64	1.61	9.25	-39.2	-34.9
10,902.0	1.70	193.30	10,891.8	-237.1	46.5	1.26	-1.05	-18.42	-30.4	-45.7
10,996.0	0.90	118.30	10,885.8	-238.6	46.8	1.81	-0.85	-79.79	35.2	-42.6
11,090.0	1.20	100.00	11,079.8	-239.3	48.4	0.47	0.32	-19.47	45.1	-29.6
11,184.0	0.40	169.20	11,173.8	-239.8	49.5	1.19	-0.85	73.62	-12.3	-51.8
11,278.0	0.60	256.90	11,267.8	-240.2	49.0	0.75	0.21	93.30	-52.7	10.6
11,372.0	1.90	239.90	11,361.7	-241.1	47.2	1.42	1.38	-18.09	-55.5	-5.4
11,466.0	3.20	234.30	11,455.7	-243.5	43.7	1.41	1.38	-5.96	-58.9	-11.0
11,559.0	2.50	226.70	11,548.5	-246.4	40.2	0.85	-0.75	-8.17	-61.5	-19.0
11,648.0	2.30	248.80	11,637.5	-248.3	37.1	1.06	-0.22	24.83	-67.8	6.3
11,792.0	2.20	248.50	11,781.3	-250.4	31.8	0.07	-0.07	-0.21	-73.5	5.9
11,886.0	2.00	271.30	11,875.3	-251.0	28.5	0.91	-0.21	24.28	-68.7	34.6
11,981.0	0.60	275.40	11,970.3	-250.9	28.3	1.48	-1.47	4.32	-68.2	39.5
12,075.0	0.20	12.60	12,064.3	-250.7	25.9	0.70	-0.43	103.40	47.7	63.2
12,168.0	11.60	8.10	12,156.6	-241.3	27.2	12.28	12.28	-4.84	32.5	67.0
12,263.0	29.50	16.00	12,245.2	-209.1	35.1	19.03	18.84	8.32	15.3	60.9
12,356.0	42.20	26.20	12,320.5	-158.8	55.3	15.05	13.66	10.97	-9.4	49.3
12,451.0	44.40	23.30	12,389.7	-69.6	82.5	3.12	2.32	-3.05	-39.8	29.2
12,545.0	52.30	12.80	12,452.2	-32.9	103.9	11.83	8.40	-11.17	-59.1	2.4
12,639.0	60.70	3.30	12,504.1	44.5	114.5	12.27	8.94	-10.11	-65.9	-16.2
12,732.0	64.10	358.20	12,547.2	126.9	115.5	6.08	3.66	-5.48	-60.8	-20.7
12,827.0	72.70	359.30	12,582.1	215.1	113.6	9.12	9.05	1.16	-45.4	-19.1
12,921.0	77.20	359.70	12,606.5	305.8	112.8	4.80	4.79	0.43	-23.2	-18.9
13,015.0	85.60	358.30	12,620.6	398.7	111.2	9.06	8.94	-1.49	-9.4	-17.7



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #706H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25 @ 3381.0usft
 MD Reference: KB = 25 @ 3381.0usft
 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)	DLog ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
13,108.0	90.10	357.90	12,624.1	491.5	108.1	4.86	4.84	-0.43	-6.0	-15.3
13,202.0	90.60	358.80	12,623.5	585.5	105.4	1.10	0.53	0.96	-6.7	-13.3
13,295.0	88.90	358.60	12,623.9	678.5	103.3	1.84	-1.83	-0.22	-6.3	-11.8
13,389.0	90.80	358.40	12,624.1	772.4	100.8	2.03	2.02	-0.21	-6.1	-10.1
13,484.0	87.00	356.10	12,626.0	867.3	96.3	4.08	-4.00	-2.42	-4.3	-6.2
13,578.0	92.40	357.50	12,626.5	961.1	91.0	5.93	5.74	1.49	-3.9	-1.6
13,672.0	85.90	356.50	12,627.9	1,054.9	86.1	7.00	-6.91	-1.06	-2.6	2.6
13,766.0	86.10	356.50	12,634.4	1,148.5	80.4	0.21	0.21	0.00	3.9	7.6
13,859.0	88.40	356.10	12,640.5	1,241.1	74.4	0.54	0.32	-0.43	9.9	13.0
13,954.0	88.70	356.50	12,644.6	1,335.9	69.9	3.50	2.42	2.53	13.9	16.7
14,048.0	90.70	359.40	12,645.1	1,428.9	68.2	2.33	2.13	0.96	14.4	17.7
14,141.0	91.10	359.80	12,643.6	1,522.9	67.6	0.61	0.43	0.43	12.9	17.7
14,235.0	90.20	359.00	12,642.5	1,616.8	66.6	1.28	-0.96	-0.85	11.8	18.0
14,329.0	89.30	358.50	12,642.9	1,710.8	64.5	1.10	-0.96	-0.53	12.1	19.4
14,423.0	89.10	357.30	12,644.2	1,804.7	61.1	1.29	-0.21	-1.26	13.4	22.1
14,517.0	91.40	0.10	12,643.8	1,898.7	59.0	3.85	2.45	2.98	12.9	23.6
14,611.0	91.30	0.00	12,641.6	1,992.7	59.0	0.15	-0.11	-0.11	10.6	22.8
14,705.0	90.40	359.80	12,640.2	2,086.7	58.9	0.98	-0.96	-0.21	9.0	22.3
14,800.0	89.60	0.10	12,640.2	2,181.7	58.8	0.80	-0.84	0.32	8.8	21.7
14,894.0	89.30	359.80	12,641.1	2,275.7	58.7	0.45	-0.32	-0.32	9.5	21.1
14,987.0	89.20	359.10	12,642.3	2,368.7	57.8	0.76	-0.11	-0.75	10.6	21.3
15,082.0	90.30	359.30	12,642.8	2,463.6	56.5	1.18	1.16	0.21	10.8	21.9
15,175.0	91.10	359.60	12,641.6	2,556.6	55.6	0.92	0.86	0.32	9.4	22.1
15,269.0	91.30	0.10	12,639.7	2,650.6	55.3	0.57	0.21	0.53	7.3	21.7
15,363.0	89.70	1.50	12,638.8	2,744.6	56.7	2.26	-1.70	1.49	6.3	19.7
15,457.0	88.80	2.30	12,640.1	2,838.5	59.8	1.28	-0.96	0.85	7.3	15.9
15,552.0	89.00	2.40	12,641.9	2,933.4	63.7	0.24	0.21	0.11	8.9	11.3



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #706H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25 @ 3381.0usft
 MD Reference: KB = 25 @ 3381.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

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)
15,645.0	90.60	2.30	12,642.2	3,026.3	67.5	1.72	1.72	-0.11	9.0	6.8
15,739.0	91.20	2.60	12,640.7	3,120.2	71.5	0.71	0.64	0.32	7.4	2.1
15,833.0	88.10	0.20	12,641.3	3,214.2	73.8	4.17	-3.30	-2.55	7.7	-0.9
15,927.0	88.50	359.60	12,644.1	3,308.2	73.8	0.77	0.43	-0.64	10.3	-1.4
16,021.0	87.90	359.60	12,647.1	3,402.1	73.1	0.67	-0.64	0.21	13.1	-1.6
16,114.0	94.10	1.30	12,645.4	3,495.0	74.0	6.88	6.67	1.81	11.3	-3.2
16,209.0	92.90	1.10	12,639.6	3,589.8	76.0	1.28	-1.26	-0.21	5.3	-5.8
16,303.0	93.80	1.60	12,634.1	3,683.7	78.2	1.09	0.96	0.53	-0.4	-6.7
16,396.0	91.10	1.30	12,630.2	3,776.5	80.6	2.92	-2.90	-0.32	-4.6	-11.8
16,490.0	87.90	0.00	12,631.0	3,870.5	81.6	3.67	-3.40	-1.38	-4.0	-13.5
16,584.0	90.00	1.20	12,632.7	3,964.5	82.6	2.57	2.23	1.28	-2.5	-15.2
16,678.0	89.20	2.00	12,633.4	4,058.4	85.3	1.20	-0.85	0.85	-2.0	-18.5
16,772.0	89.30	0.60	12,634.6	4,152.4	87.4	1.49	0.11	-1.49	-1.0	-21.3
16,865.0	90.20	359.80	12,635.0	4,245.4	87.7	1.29	0.97	-0.86	-0.8	-22.3
16,959.0	88.40	359.20	12,636.1	4,339.4	86.9	2.02	-1.91	-0.64	0.2	-22.2
17,053.0	88.50	358.80	12,638.7	4,433.3	85.3	0.44	0.11	-0.43	2.5	-21.2
17,147.0	89.30	359.30	12,640.5	4,527.3	83.7	1.00	0.85	0.53	4.1	-20.4
17,240.0	92.10	0.30	12,639.4	4,620.3	83.4	3.20	3.01	1.08	2.8	-20.7
17,335.0	90.00	359.80	12,637.6	4,715.3	83.5	2.27	-2.21	-0.53	0.9	-21.5
17,429.0	89.70	357.90	12,637.9	4,809.2	81.6	2.05	-0.32	-2.02	0.9	-20.3
17,523.0	91.90	358.20	12,636.6	4,903.2	78.4	2.36	2.34	0.32	-0.6	-17.8
17,617.0	89.30	358.10	12,635.6	4,997.1	75.3	2.77	-2.77	-0.11	-1.8	-15.4
17,712.0	88.40	357.90	12,637.5	5,092.0	72.0	0.97	-0.85	-0.21	-0.1	-12.8
17,806.0	88.70	357.80	12,639.9	5,185.9	68.5	0.34	0.32	-0.11	2.1	-10.0
17,900.0	91.90	358.90	12,639.4	5,279.9	65.8	3.60	3.40	1.17	1.4	-8.0
17,993.0	92.40	359.50	12,635.9	5,372.8	64.5	0.84	0.54	0.65	-2.4	-7.3
18,086.0	91.40	359.40	12,632.8	5,465.8	63.6	1.08	-1.08	-0.11	-5.7	-7.1



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #706H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25 @ 3381.0usft
 MD Reference: KB = 25 @ 3381.0usft
 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)
18,180.0	90.20	359.60	12,631.5	5,559.7	62.8	1.29	-1.28	0.21	-7.4	-7.0
18,274.0	88.10	359.60	12,632.9	5,653.7	62.1	2.23	-2.23	0.00	-8.3	-7.0
18,389.0	89.10	0.20	12,635.2	5,748.7	62.0	1.23	1.05	0.63	-4.3	-7.6
18,463.0	87.80	358.30	12,637.7	5,842.8	60.7	2.45	-1.38	-2.02	-2.0	-7.0
18,557.0	89.50	358.30	12,639.9	5,938.6	57.9	1.81	1.81	0.00	-0.1	-4.9
18,652.0	91.80	359.80	12,638.9	6,031.5	56.4	2.89	2.42	1.58	-1.5	-4.0
18,746.0	90.40	359.50	12,637.1	6,125.5	55.8	1.52	-1.49	-0.32	-3.6	-4.1
18,840.0	90.40	0.40	12,636.4	6,219.5	55.7	0.96	0.00	0.98	-4.6	-4.7
18,934.0	87.80	1.00	12,637.9	6,313.5	56.9	2.84	-2.77	0.64	-3.4	-8.6
19,028.0	87.20	1.10	12,642.0	6,407.4	58.6	0.65	-0.64	0.11	0.4	-8.0
19,122.0	88.50	1.90	12,645.5	6,501.3	61.0	1.82	1.38	0.85	3.6	-12.1
19,216.0	89.60	0.40	12,647.1	6,595.2	62.9	1.98	1.17	-1.60	4.9	-14.7
19,311.0	91.60	359.20	12,646.1	6,690.2	62.6	2.46	2.11	-1.26	3.6	-15.1
19,405.0	92.50	359.80	12,642.7	6,784.2	61.8	1.15	0.96	0.64	-0.1	-14.9
19,499.0	91.00	359.40	12,639.8	6,878.1	61.1	1.65	-1.60	-0.43	-3.3	-15.0
19,593.0	89.50	358.70	12,639.4	6,972.1	59.6	1.76	-1.60	-0.74	-4.0	-14.1
19,686.0	89.80	359.40	12,640.0	7,065.1	58.0	0.82	0.32	0.75	-3.7	-13.2
19,781.0	90.70	0.60	12,639.6	7,160.1	58.0	1.58	0.95	1.28	-4.4	-13.9
19,876.0	87.30	359.30	12,641.2	7,255.1	57.9	3.83	-3.58	-1.37	-3.1	-14.5
19,969.0	88.50	359.40	12,644.7	7,348.0	56.9	1.29	1.29	0.11	0.0	-14.2
20,063.0	88.00	358.80	12,647.5	7,441.9	55.4	0.83	-0.53	-0.64	2.6	-13.4
20,155.0	89.70	358.70	12,649.4	7,533.9	53.4	1.85	1.85	-0.11	4.1	-12.0
20,250.0	89.70	358.70	12,649.9	7,628.9	51.2	0.00	0.00	0.00	4.3	-10.6
20,344.0	89.60	358.60	12,650.4	7,722.8	49.0	0.15	-0.11	-0.11	4.6	-9.0
20,438.0	87.50	357.40	12,652.8	7,816.7	45.7	2.57	-2.23	-1.28	6.7	-8.5
20,531.0	90.80	359.20	12,654.2	7,909.7	43.0	4.04	3.55	1.94	7.7	-4.4
20,626.0	91.70	359.00	12,652.1	8,004.6	41.5	0.97	0.95	-0.21	5.3	-3.6



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #706H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25 @ 3381.0usft
 MD Reference: KB = 25 @ 3381.0usft
 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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
20,720.0	89.00	357.20	12,651.6	8,098.6	38.4	3.45	-2.87	-1.91	4.5	-1.1
20,814.0	91.70	356.60	12,651.0	8,192.4	33.3	2.94	2.87	-0.64	3.6	3.2
20,909.0	89.70	355.40	12,649.8	8,287.2	26.7	2.46	-2.11	-1.26	2.1	9.2
21,003.0	88.90	355.80	12,651.0	8,380.9	19.5	0.95	-0.85	0.43	2.9	15.7
21,096.0	92.00	357.90	12,650.2	8,473.7	14.4	4.03	3.33	2.26	2.2	20.1
21,189.0	90.70	357.70	12,648.0	8,566.6	10.8	1.41	-1.40	-0.22	0.0	23.0
21,283.0	91.80	357.90	12,646.0	8,660.5	7.2	1.19	1.17	0.21	-2.0	26.0
21,376.0	93.20	358.10	12,641.9	8,753.4	3.9	1.52	1.51	0.22	-6.0	28.5
21,471.0	94.20	359.30	12,635.8	8,848.2	1.8	1.64	1.05	1.26	-12.2	30.0
21,565.0	95.40	0.40	12,627.9	8,941.8	1.5	1.73	1.28	1.17	-20.0	29.6
21,661.0	93.50	1.60	12,618.9	9,037.5	3.6	1.94	-1.64	1.03	-29.1	26.7
21,774.0	88.40	1.80	12,617.4	9,150.4	6.3	5.49	-5.46	0.22	-30.6	23.2
21,868.0	88.40	1.90	12,620.0	9,244.3	9.3	0.11	0.00	0.11	-28.0	19.5
21,962.0	87.60	2.80	12,623.3	9,336.2	13.2	1.28	-0.85	0.96	-24.7	15.0
22,056.0	89.10	3.20	12,626.0	9,432.0	18.1	1.65	1.60	0.43	-22.0	9.4
22,151.0	87.10	3.70	12,629.2	9,526.8	23.8	2.17	-2.11	0.53	-18.8	3.0
22,244.0	86.90	3.60	12,634.0	9,619.4	29.7	0.24	-0.22	-0.11	-14.0	-3.6
22,337.0	88.40	4.20	12,637.8	9,712.1	36.1	1.74	1.61	0.65	-10.2	-10.6
22,431.0	89.40	3.20	12,639.6	9,805.9	42.1	1.50	1.06	-1.06	-8.4	-17.4
22,525.0	88.30	0.10	12,641.5	9,899.9	44.8	3.50	-1.17	-3.30	-6.5	-20.8
22,619.0	90.90	0.10	12,642.2	9,993.8	45.0	2.77	2.77	0.00	-5.8	-21.6
22,713.0	92.00	0.10	12,639.8	10,087.8	45.2	1.17	1.17	0.00	-8.2	-22.5
22,746.0	92.00	0.10	12,638.7	10,120.6	45.2	0.00	0.00	0.00	-9.3	-22.8
22,805.0	92.00	0.10	12,636.6	10,179.8	45.3	0.00	0.00	0.00	-11.4	-23.3



Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3381.0usft
MD Reference: KB = 25 @ 3381.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Datbase: EDM 5000.14

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
12,104.0	12,093.2	-249.7	26.0	KOP, MD:12104.0', TVD:12093.2', N/S:-249.7', E/W:26.0', INC:3.75
12,340.5	12,308.8	-168.0	50.6	FTP Crossing, MD:12340.5', TVD:12308.8', N/S:-168.0', E/W:50.6', INC:40.03
22,746.0	12,636.7	10,120.8	45.2	Last MWD Survey (MD=22746.0')
22,805.0	12,636.6	10,179.8	45.3	Projection to Bit (MD=22805.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 2/10/2020
Signed Date



Lea County, NM (NAD 83 NME)

Peachtree 24 Fed Com #706H

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: #706H

KB = 25 @ 3381.0usft
Northing 372823.00 Easting 791185.00 Latitude 32° 1' 20.671 N Longitude 103° 31' 38.002 W

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	5100.0	0.00	0.00	5100.0	0.0	0.0	0.00	0.00	0.0	
3	5400.1	6.00	155.79	5399.5	-14.3	6.4	2.00	155.79	-14.3	
4	7385.9	8.00	155.79	7374.5	-203.7	91.6	0.00	0.00	-203.5	
5	7686.0	0.00	0.00	7674.0	-218.0	98.0	2.00	160.00	-217.8	
6	12194.5	0.00	0.00	12152.5	-218.0	98.0	0.00	0.00	-217.8	
7	12914.2	89.97	359.58	12630.0	259.2	94.5	12.00	359.58	259.4	
8	14654.9	89.97	359.58	12631.0	1999.8	81.8	0.00	0.00	2000.0	TGT#1(PT 24 Fed Com #706H)
9	14659.2	89.88	359.58	12631.0	2004.2	81.8	2.00	-180.00	2004.3	
10	17955.1	89.88	359.58	12638.0	5299.9	57.7	0.00	0.00	5300.0	TGT#2(PT 24 Fed Com #706H)
11	17959.3	89.81	359.58	12638.0	5303.1	57.7	2.00	-180.00	5303.2	
12	21035.2	89.81	359.58	12648.0	8379.9	35.2	0.00	0.00	8380.0	TGT#3(PT 24 Fed Com #706H)
13	21044.5	90.00	359.58	12648.0	8389.2	35.1	2.00	0.00	8389.3	
14	22838.3	90.00	359.58	12648.0	10183.0	22.0	0.00	0.00	10183.0	PBHL(PT 24 Fed Com #706H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top(PT 24 Fed Com #706H)	7841.0	-218.0	98.0	372605.00	791283.00
FTP(PT 24 Fed Com #706H)	12830.0	-183.0	98.0	372655.00	791283.00
TGT#1(PT 24 Fed Com #706H)	12831.0	1889.8	81.8	374622.80	791248.79
TGT#2(PT 24 Fed Com #706H)	12838.0	5299.9	57.7	378122.80	791222.68
PBHL(PT 24 Fed Com #706H)	12848.0	10183.0	22.0	385008.00	791187.00
TGT#3(PT 24 Fed Com #706H)	12848.0	8379.9	35.2	391202.80	791200.18

