



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Peachtree 24 Fed Com

#702H

OH

Design: OH

Midland PVA

14 January, 2019

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Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #702H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #702H
 TVD Reference: Kb = 25 @ 3402.0usft
 MD Reference: Kb = 25 @ 3402.0usft
 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 Peachtree 24 Fed Com

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

Well #702H

Well Position	+N-S	0.0 usft	Northing:	372,756.00 usft	Latitude:	32° 1' 19.842 N
	+E-W	0.0 usft	Easting:	793,398.00 usft	Longitude:	103° 31' 12.071 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,377.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/13/2018	6.75	59.87	47,670.94271572

Design OH

Audit Notes:		Phase:	ACTUAL	Tie On Depth:	0.0
Version:	1.0				
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	358.16	

Survey Program Date 1/14/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
140.0	22,831.0	Leam 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
140.0	0.30	317.60	140.0	0.3	-0.2	0.21	0.21	0.00	-0.4	0.0
205.0	0.50	354.60	205.0	0.7	-0.4	0.49	0.31	56.92	-0.7	0.3
266.0	0.40	354.30	266.0	1.2	-0.4	0.16	-0.16	-0.49	-1.2	0.3
383.0	1.00	339.40	383.0	2.5	-0.8	0.53	0.51	-12.74	-2.7	-0.1
554.0	1.40	331.10	553.9	5.7	-2.4	0.25	0.23	-4.85	-6.2	-0.7
679.0	1.20	328.30	678.9	8.2	-3.8	0.17	-0.16	-2.24	-9.0	-1.1
771.0	1.20	335.30	770.9	9.9	-4.7	0.16	0.00	7.81	-10.9	0.1
863.0	1.10	344.30	862.9	11.6	-5.3	0.22	-0.11	9.78	-12.6	2.0
930.0	1.10	355.40	929.9	12.9	-5.6	0.32	0.00	16.57	-13.3	4.5
1,049.0	1.10	19.60	1,048.8	15.1	-5.3	0.39	0.00	20.34	-12.4	10.0
1,235.0	1.10	27.50	1,234.8	18.4	-3.9	0.08	0.00	4.25	-14.5	11.9
1,328.0	1.10	7.00	1,327.8	20.0	-3.3	0.42	0.00	-22.04	-19.5	5.8
1,420.0	0.10	230.20	1,419.9	20.9	-3.3	1.28	-1.09	-148.70	10.8	-18.1
1,513.0	0.70	197.90	1,512.8	20.3	-3.5	0.66	0.65	-34.73	18.2	-9.6
1,607.0	0.80	200.80	1,606.8	19.1	-3.9	0.11	0.11	3.09	16.5	-10.5
1,701.0	0.50	210.50	1,700.8	18.1	-4.4	0.34	-0.32	10.32	13.4	-13.0
1,785.0	0.90	180.60	1,784.8	17.0	-4.6	0.56	0.43	-31.81	17.0	-4.6
1,888.0	1.10	189.10	1,887.8	15.4	-4.7	0.27	0.22	9.14	14.5	-7.1
1,982.0	0.90	217.40	1,981.7	14.0	-5.3	0.56	-0.21	30.11	7.8	-12.7
2,075.0	0.70	226.90	2,074.7	13.0	-6.2	0.26	-0.22	10.22	4.4	-13.7
2,169.0	0.90	222.10	2,168.7	12.0	-7.1	0.22	0.21	-5.11	4.2	-13.3
2,262.0	1.10	199.40	2,261.7	10.7	-7.9	0.47	0.22	-24.41	7.4	-11.0
2,356.0	0.70	207.30	2,355.7	9.3	-8.5	0.44	-0.43	8.40	4.4	-11.8
2,450.0	0.80	208.40	2,449.7	8.2	-9.0	0.11	0.11	1.17	2.9	-11.9
2,543.0	1.00	166.00	2,542.7	6.9	-8.1	0.73	0.22	-45.59	8.9	-7.2
2,637.0	1.00	166.00	2,636.7	5.3	-8.7	0.00	0.00	0.00	7.2	-7.2



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2,731.0	1.10	160.40	2,730.6	3.6	-8.2	0.15	0.11	-5.96	6.2	-6.6
2,825.0	1.30	169.00	2,824.6	1.7	-7.7	0.29	0.21	9.15	3.2	-7.3
2,916.0	1.10	154.80	2,917.6	-0.1	-7.2	0.38	-0.22	-15.27	2.9	-6.5
3,012.0	1.60	132.10	3,011.6	-1.8	-5.8	0.77	0.53	-24.15	3.1	-5.2
3,106.0	1.60	132.10	3,105.5	-3.6	-3.9	0.00	0.00	0.00	0.5	-5.2
3,199.0	1.80	128.50	3,198.5	-5.3	-1.7	0.28	0.22	-6.02	-1.8	-5.3
3,293.0	1.40	121.00	3,292.5	-6.8	0.5	0.46	-0.43	-5.85	-3.9	-5.6
3,386.0	1.40	126.70	3,385.4	-8.0	2.3	0.15	0.00	6.13	-6.7	-5.1
3,480.0	1.20	133.20	3,479.4	-9.4	4.0	0.26	-0.21	6.91	-8.3	-4.1
3,574.0	1.10	140.40	3,573.4	-10.8	5.3	0.19	-0.11	7.66	-11.7	-2.8
3,668.0	1.40	131.60	3,667.4	-12.2	6.7	0.38	0.32	-9.36	-13.1	-4.7
3,762.0	1.10	126.70	3,761.3	-13.5	8.3	0.34	-0.32	-5.21	-14.7	-5.9
3,856.0	1.10	105.40	3,855.3	-14.3	9.9	0.43	0.00	-22.66	-13.3	-11.2
3,949.0	0.90	82.50	3,948.3	-14.5	11.5	0.48	-0.22	-24.62	-9.5	-15.8
4,043.0	1.20	290.50	4,042.3	-14.0	11.3	2.17	0.32	-161.70	15.5	9.2
4,136.0	2.10	302.40	4,135.3	-12.8	8.9	1.03	0.97	12.80	14.4	6.0
4,230.0	2.90	306.30	4,229.2	-10.4	5.6	0.87	0.85	4.15	10.7	5.1
4,324.0	4.00	305.60	4,323.0	-7.1	1.0	1.17	1.17	-0.74	4.9	5.2
4,418.0	3.30	306.00	4,416.8	-3.6	-3.9	0.75	-0.74	0.43	-1.0	5.2
4,512.0	2.50	303.50	4,510.7	-0.9	-7.8	0.86	-0.85	-2.66	-6.0	5.0
4,606.0	2.60	308.60	4,604.6	1.6	-11.2	0.26	0.11	5.43	-9.7	5.7
4,699.0	2.20	299.60	4,697.5	3.6	-14.4	0.59	-0.43	-9.68	-14.3	3.8
4,793.0	2.40	305.10	4,791.4	5.8	-17.5	0.32	0.21	5.85	-17.7	5.4
4,887.0	1.40	307.50	4,885.4	7.6	-20.1	1.07	-1.06	2.55	-20.5	6.2
4,980.0	0.40	326.20	4,978.4	8.6	-21.1	1.11	-1.08	20.11	-18.9	12.8
5,074.0	0.40	42.60	5,072.4	9.1	-21.1	0.53	0.00	81.28	7.6	21.7
5,114.0	0.20	263.20	5,112.4	9.2	-21.1	1.42	-0.50	-348.50	-19.8	-11.6



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5,245.0	0.20	310.50	5,243.4	9.3	-21.5	0.12	0.00	36.11	-22.9	4.6
5,339.0	2.30	221.80	5,337.4	8.0	-22.9	2.45	2.23	-94.36	-1.8	-24.2
5,433.0	3.90	202.80	5,431.2	3.7	-25.4	2.00	1.70	-20.21	9.6	-23.4
5,528.0	5.70	194.20	5,523.9	-3.7	-27.7	2.08	1.94	-9.25	14.7	-19.9
5,620.0	6.30	193.60	5,617.4	-13.3	-30.1	0.64	0.64	-0.64	14.6	-17.3
5,714.0	6.10	192.60	5,710.8	-23.2	-32.4	0.24	-0.21	-1.06	14.3	-14.6
5,807.0	6.00	190.50	5,803.3	-32.8	-34.3	0.26	-0.11	-2.26	14.3	-11.3
5,901.0	7.00	194.00	5,896.7	-43.2	-36.6	1.14	1.06	3.72	12.5	-9.5
5,994.0	7.20	194.50	5,989.0	-54.3	-39.4	0.23	0.22	0.54	10.3	-7.3
6,088.0	7.10	193.60	6,082.3	-65.6	-42.3	0.16	-0.11	-0.96	8.3	-4.8
6,182.0	6.60	192.20	6,175.6	-76.6	-44.8	0.56	-0.53	-1.49	6.6	-2.1
6,276.0	6.40	190.60	6,269.0	-87.0	-46.9	0.29	-0.21	-1.70	5.4	0.6
6,370.0	5.90	191.70	6,362.4	-96.9	-48.6	0.55	-0.53	1.17	4.8	3.6
6,464.0	5.60	208.20	6,456.0	-105.7	-52.0	1.78	-0.32	17.55	6.3	3.4
6,557.0	5.60	211.00	6,548.5	-113.5	-56.5	0.29	0.00	3.01	7.1	2.8
6,651.0	5.20	211.00	6,642.1	-121.1	-61.0	0.43	-0.43	0.00	8.0	2.2
6,744.0	5.20	210.20	6,734.7	-128.4	-65.3	0.08	0.00	-0.66	7.5	1.9
6,838.0	5.20	210.50	6,828.3	-135.7	-69.6	0.03	0.00	0.32	4.0	1.7
6,931.0	3.40	233.70	6,921.1	-141.0	-74.0	2.65	-1.94	24.95	-0.6	0.6
7,025.0	1.50	206.60	7,015.0	-143.7	-76.8	2.31	-2.02	-28.83	-4.6	-0.8
7,118.0	1.40	183.40	7,108.0	-146.0	-77.4	0.64	-0.11	-24.95	-6.2	-3.0
7,211.0	1.10	182.20	7,200.9	-148.0	-77.5	0.32	-0.32	-1.29	-8.1	-3.2
7,305.0	1.30	182.70	7,294.9	-150.0	-77.6	0.21	0.21	0.53	-10.1	-3.1
7,398.0	1.10	182.70	7,387.9	-151.9	-77.7	0.22	-0.22	0.00	-12.1	-3.1
7,492.0	1.30	181.50	7,481.9	-153.9	-77.7	0.21	0.21	-1.28	-14.0	-3.4
7,585.0	1.50	181.70	7,574.9	-156.1	-77.8	0.22	0.22	0.22	-16.3	-3.3
7,680.0	0.70	25.60	7,669.8	-156.9	-77.6	2.27	-0.64	-164.32	16.8	-4.0



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7,773.0	1.10	33.50	7,762.8	-155.6	-78.9	0.45	0.43	8.49	14.6	-6.2
7,868.0	1.00	47.80	7,855.8	-154.3	-75.8	0.30	-0.11	15.48	10.9	-8.4
7,960.0	0.40	75.20	7,949.8	-153.7	-74.8	0.71	-0.64	29.04	4.3	-13.0
8,053.0	0.50	166.00	8,042.8	-154.0	-74.4	0.69	0.11	97.63	-13.5	-3.8
8,146.0	0.80	165.30	8,135.8	-155.0	-74.2	0.32	0.32	-0.75	-14.5	-4.0
8,239.0	1.00	178.90	8,228.8	-156.5	-74.0	0.31	0.22	14.62	-16.5	-0.3
8,333.0	1.20	180.30	8,322.8	-158.3	-74.0	0.21	0.21	1.49	-18.3	0.1
8,426.0	1.20	185.70	8,415.8	-160.2	-74.1	0.12	0.00	5.81	-20.1	1.9
8,520.0	1.20	175.00	8,509.7	-162.2	-74.1	0.24	0.00	-11.38	-22.1	-2.0
8,614.0	1.00	311.80	8,603.7	-162.6	-74.6	2.18	-0.21	145.53	14.6	17.3
8,708.0	1.40	325.50	8,697.7	-161.1	-75.9	0.52	0.43	14.57	16.3	13.5
8,801.0	1.10	307.20	8,790.7	-159.6	-77.2	0.53	-0.32	-19.68	9.3	17.6
8,894.0	1.10	283.80	8,883.7	-158.9	-78.8	0.48	0.00	-25.18	-0.2	19.5
8,989.0	0.80	271.70	8,978.7	-158.6	-80.4	0.38	-0.32	-12.74	-5.8	18.8
9,082.0	1.00	240.00	9,071.6	-159.0	-81.7	0.57	0.22	-34.09	-16.2	12.6
9,176.0	1.50	255.00	9,165.6	-159.8	-83.6	0.63	0.53	15.86	-14.4	16.6
9,269.0	1.70	242.10	9,258.6	-160.7	-86.0	0.44	0.22	-13.87	-20.3	12.7
9,362.0	2.00	312.10	9,351.5	-160.3	-88.4	2.30	0.32	75.27	2.9	24.7
9,456.0	1.80	318.40	9,445.5	-158.1	-90.6	0.31	-0.21	6.70	2.5	24.4
9,549.0	1.20	303.80	9,538.5	-156.4	-92.4	0.76	-0.65	-15.70	-6.1	23.9
9,644.0	1.20	281.00	9,633.4	-155.7	-94.2	0.50	0.00	-24.00	-16.6	19.3
9,736.0	1.10	285.20	9,725.4	-155.8	-96.0	0.36	-0.11	-17.17	-23.3	13.7
9,830.0	0.40	271.50	9,819.4	-155.6	-97.3	0.75	-0.74	6.70	-22.8	16.3
9,924.0	0.50	308.20	9,913.4	-155.4	-97.9	0.32	0.11	39.04	-9.3	26.9
10,016.0	0.40	344.60	10,005.4	-154.8	-98.3	0.32	-0.11	39.57	7.8	27.4
10,110.0	0.50	350.40	10,099.4	-154.1	-98.5	0.12	0.11	6.17	9.8	26.5
10,204.0	2.00	257.40	10,193.4	-154.1	-100.1	2.22	1.60	-98.94	-28.6	8.0



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10,297.0	3.50	235.60	10,288.3	-158.0	-104.1	1.94	1.61	-23.44	-33.9	-3.8
10,391.0	3.00	218.70	10,380.1	-159.6	-107.9	1.25	-0.53	-20.11	-38.0	-15.5
10,484.0	2.60	201.20	10,473.0	-163.5	-110.1	0.92	-0.43	-18.67	-35.0	-25.2
10,577.0	1.10	88.90	10,568.0	-165.5	-110.0	3.42	-1.61	-120.75	38.5	-24.8
10,671.0	1.60	85.70	10,660.0	-165.4	-107.8	0.54	0.53	-3.40	35.6	-22.8
10,765.0	0.80	92.90	10,753.9	-165.3	-105.8	0.88	-0.85	7.68	30.5	-28.9
10,859.0	2.20	251.80	10,847.9	-165.9	-106.9	3.15	1.49	169.04	-39.3	14.3
10,952.0	0.40	302.60	10,940.9	-166.3	-108.8	2.12	-1.94	54.62	-15.2	40.9
11,046.0	0.40	74.60	11,034.9	-166.0	-108.8	0.78	0.00	140.43	40.5	-15.8
11,140.0	0.50	169.00	11,128.9	-166.3	-108.4	0.71	0.11	100.43	-19.3	-38.8
11,234.0	1.20	111.40	11,222.9	-167.1	-107.4	1.09	0.74	-61.28	21.2	-37.4
11,328.0	1.80	192.20	11,316.9	-168.9	-106.8	2.12	0.84	85.98	-35.2	-26.0
11,421.0	1.10	233.20	11,409.8	-170.9	-107.8	1.30	-0.75	44.08	-45.6	4.4
11,514.0	0.60	356.80	11,502.8	-170.9	-108.6	1.63	-0.54	132.90	28.9	38.2
11,608.0	1.70	24.20	11,596.8	-169.1	-108.0	1.28	1.17	29.15	40.5	18.1
11,702.0	1.10	328.90	11,690.8	-167.1	-107.9	1.53	-0.64	-60.96	4.2	43.2
11,795.0	1.10	299.50	11,783.8	-165.9	-109.2	0.56	0.00	-29.46	-17.9	39.9
11,889.0	0.50	280.80	11,877.8	-165.4	-110.4	0.69	-0.64	-19.89	-31.0	31.8
11,986.0	0.70	314.40	11,944.8	-165.1	-111.0	0.59	0.30	50.15	-8.9	43.8
12,024.0	1.10	329.90	12,012.7	-164.2	-111.6	0.88	0.59	22.79	2.1	44.7
12,118.0	2.10	339.00	12,106.7	-161.8	-112.7	1.09	1.06	9.68	6.5	43.9
12,120.0	2.42	341.98	12,108.7	-161.7	-112.7	16.85	15.80	149.22	8.7	43.5
KOP 12120.0 MD; 12108.7 TVD; -161.7; -112.7; 2.42										
12,165.0	9.90	356.40	12,153.4	-157.0	-113.2	16.85	16.63	32.03	14.3	40.3
12,212.0	17.40	357.80	12,199.1	-145.9	-113.8	15.97	15.98	2.98	4.2	40.0
12,259.0	22.80	356.90	12,243.2	-129.8	-114.5	11.51	11.49	-1.91	-10.1	40.1
12,306.0	27.30	358.00	12,285.7	-109.9	-115.4	9.63	9.57	2.34	-23.0	41.0



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #702H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 25 @ 3402.0usft
 MD Reference: KB = 25 @ 3402.0usft
 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)
12,347.6	29.86	1.58	12,322.3	-90.0	-115.4	7.40	6.16	8.60	-31.8	42.8
FTP Crossing 12347.6' MD; 12322.3' TVD; -90.0'; -115.4'; 29.86										
12,353.0	30.20	2.00	12,326.9	-87.3	-115.4	7.40	6.28	7.84	-32.9	42.8
12,399.0	35.30	7.00	12,365.6	-62.5	-113.3	12.54	11.09	10.87	-40.5	44.2
12,445.0	39.70	6.10	12,402.1	-34.7	-110.1	9.64	9.57	-1.96	-51.3	41.0
12,492.0	43.30	2.20	12,437.3	-3.7	-107.9	9.43	7.66	-8.30	-62.1	35.5
12,537.0	45.50	359.40	12,469.5	27.8	-107.5	6.55	4.89	-6.22	-68.8	32.2
12,584.0	50.40	357.80	12,500.9	62.7	-108.4	10.73	10.43	-3.40	-72.6	31.4
12,631.0	51.00	359.20	12,530.7	99.0	-109.3	2.63	1.28	2.98	-72.1	33.3
12,678.0	53.60	0.10	12,559.5	138.2	-109.5	5.74	5.53	1.91	-67.6	34.0
12,724.0	59.80	358.50	12,584.7	174.7	-110.0	14.00	13.70	-3.46	-62.3	33.4
12,771.0	64.10	359.90	12,608.7	216.1	-110.6	9.31	8.94	2.98	-55.2	34.4
12,818.0	68.60	0.10	12,625.6	259.2	-110.6	9.58	9.57	0.43	-46.9	34.2
12,865.0	72.60	1.30	12,641.2	303.5	-110.1	8.84	8.51	2.55	-36.9	33.4
12,912.0	74.50	2.00	12,654.5	348.6	-108.8	4.29	4.04	1.49	-24.7	31.8
12,959.0	81.40	1.00	12,664.3	394.5	-107.6	14.83	14.68	-2.13	-15.4	28.7
13,052.0	94.40	3.60	12,667.7	487.1	-103.8	14.25	13.98	2.60	-12.4	25.1
13,145.0	91.60	5.00	12,662.8	579.7	-98.9	3.37	-3.01	1.51	-17.2	17.5
13,239.0	88.20	8.20	12,663.0	673.1	-88.1	4.97	-3.62	3.40	-17.0	6.0
13,265.0	88.10	7.80	12,663.8	698.8	-82.5	1.59	-0.38	-1.54	-16.1	2.2
13,358.0	86.50	2.60	12,666.6	791.4	-74.0	5.61	0.43	-5.59	-13.4	-6.9
13,451.0	90.00	1.20	12,667.8	884.3	-70.9	2.21	1.61	-1.51	-12.2	-10.6
13,545.0	88.80	0.80	12,668.8	978.3	-69.3	1.35	-1.28	-0.43	-11.2	-13.0
13,639.0	88.70	0.30	12,670.8	1,072.2	-68.4	0.54	-0.11	-0.53	-9.1	-14.6
13,732.0	90.50	1.00	12,671.5	1,165.2	-67.3	2.08	1.94	0.75	-8.5	-16.3
13,825.0	88.40	0.60	12,672.4	1,258.2	-66.1	2.30	-2.26	-0.43	-7.6	-18.3
13,919.0	89.60	0.40	12,674.0	1,352.2	-65.2	1.29	1.28	-0.21	-6.0	-19.8



Midland PVA

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 Site: Peachtree 24 Fed Com
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 Wellbore: OH
 Design: OH

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 TVD Reference: Kb = 25 @ 3402.0usft
 MD Reference: Kb = 25 @ 3402.0usft
 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)
14,013.0	91.40	357.50	12,673.2	1,446.2	-67.0	3.63	1.91	-3.09	-6.8	-18.8
14,106.0	90.00	0.40	12,672.1	1,539.1	-68.7	3.46	-1.51	3.12	-7.9	-17.8
14,189.0	89.30	358.70	12,672.6	1,632.1	-69.4	1.98	-0.75	-1.83	-7.3	-17.7
14,263.0	88.90	358.50	12,674.1	1,726.1	-71.7	0.48	-0.43	-0.21	-5.9	-16.1
14,388.0	91.60	0.30	12,673.7	1,818.1	-72.7	3.48	2.90	1.84	-6.3	-15.6
14,454.0	91.30	0.40	12,672.0	1,887.0	-72.2	0.47	-0.44	0.15	-8.0	-16.6
14,548.0	87.60	359.70	12,672.9	1,981.0	-72.2	4.01	-3.94	-0.74	-7.1	-17.5
14,642.0	89.10	0.40	12,675.6	2,075.0	-72.1	1.76	1.60	0.74	-4.4	-16.3
14,736.0	89.70	1.00	12,676.6	2,169.0	-70.9	0.90	0.64	0.64	-3.4	-20.2
14,831.0	90.10	2.20	12,676.7	2,263.9	-68.3	1.33	0.42	1.26	-3.2	-23.5
14,924.0	90.20	359.90	12,676.5	2,356.9	-66.6	2.48	0.11	-2.47	-3.5	-25.9
15,018.0	89.30	358.50	12,676.9	2,450.9	-67.9	1.77	-0.98	-1.49	-3.1	-25.3
15,112.0	90.20	359.00	12,677.3	2,544.9	-69.9	1.10	0.96	0.53	-2.7	-23.9
15,206.0	90.20	359.40	12,677.0	2,638.9	-71.2	0.43	0.00	0.43	-3.0	-23.3
15,299.0	89.40	359.40	12,677.3	2,731.8	-72.2	0.86	-0.86	0.00	-2.7	-23.0
15,393.0	90.00	359.40	12,677.8	2,825.8	-73.2	0.84	0.64	0.00	-2.2	-22.7
15,487.0	91.00	359.70	12,677.0	2,919.8	-73.9	1.11	1.06	0.32	-3.0	-22.7
15,581.0	88.80	359.70	12,677.2	3,013.8	-74.4	2.34	-2.34	0.00	-2.8	-22.9
15,674.0	88.90	359.90	12,679.0	3,106.8	-74.8	0.24	0.11	0.22	-1.0	-23.3
15,767.0	89.40	358.90	12,680.4	3,199.8	-75.7	1.20	0.54	-1.08	0.4	-23.0
15,861.0	91.10	359.20	12,680.0	3,293.8	-77.3	1.84	1.81	0.32	0.0	-22.1
15,955.0	89.30	358.50	12,679.7	3,387.7	-79.2	2.05	-1.91	-0.74	-0.3	-20.9
16,049.0	89.30	358.90	12,680.8	3,481.7	-81.3	0.43	0.00	0.43	0.8	-18.5
16,142.0	89.20	358.00	12,682.0	3,574.7	-83.8	0.97	-0.11	-0.97	2.0	-17.7
16,236.0	89.80	357.80	12,682.9	3,668.6	-87.3	0.67	0.64	-0.21	2.7	-14.9
16,329.0	91.30	358.30	12,682.0	3,761.5	-90.4	1.70	1.61	0.54	1.7	-12.4
16,423.0	91.00	359.70	12,680.1	3,855.5	-92.1	1.52	-0.32	1.49	-0.3	-11.5



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Cdm
 Well: #702H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #702H
 TVD Reference: Kb = 25 @ 3402.0usft
 MD Reference: Kb = 25 @ 3402.0usft
 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)
16,516.0	90.00	358.70	12,678.3	3,948.5	-93.4	1.52	-1.08	-1.08	-1.2	-10.9
16,610.0	90.30	357.30	12,679.0	4,042.4	-96.7	1.52	0.32	-1.49	-1.5	-8.3
16,704.0	91.60	358.70	12,677.5	4,136.4	-99.9	2.03	1.38	1.49	-3.2	-5.7
16,798.0	87.80	356.60	12,677.9	4,230.3	-103.8	4.62	-4.04	-2.23	-2.8	-2.6
16,891.0	88.20	356.20	12,681.2	4,323.0	-109.6	0.61	0.43	-0.43	0.4	2.6
16,985.0	90.70	0.60	12,682.1	4,416.9	-112.2	5.38	2.68	4.68	1.2	4.5
17,079.0	91.00	2.20	12,680.7	4,510.9	-109.9	1.73	0.32	1.70	-0.3	1.5
17,173.0	88.30	1.50	12,681.3	4,604.8	-106.9	2.97	-2.87	-0.74	0.2	-2.2
17,266.0	88.50	1.20	12,683.9	4,697.8	-104.7	0.39	0.22	-0.32	2.7	-5.1
17,360.0	90.70	359.90	12,684.5	4,791.8	-103.8	2.72	2.34	-1.38	3.2	-6.7
17,453.0	91.30	359.90	12,682.9	4,884.8	-104.0	0.65	0.65	0.00	1.5	-7.2
17,547.0	92.40	359.90	12,679.9	4,978.7	-104.1	1.17	1.17	0.00	-1.6	-7.7
17,640.0	87.00	1.00	12,680.4	5,071.7	-103.4	5.93	-5.81	1.18	-1.2	-9.2
17,734.0	87.90	0.10	12,684.5	5,165.6	-102.5	1.35	0.96	-0.96	2.9	-10.8
17,828.0	91.50	359.90	12,685.0	5,259.5	-102.5	3.84	3.83	-0.21	3.3	-11.4
17,921.0	87.60	359.60	12,685.8	5,352.5	-102.9	4.21	-4.18	-0.32	3.9	-11.7
18,014.0	92.40	0.60	12,685.8	5,445.5	-102.8	5.27	5.16	1.08	3.8	-12.6
18,108.0	88.70	0.10	12,684.9	5,538.5	-102.2	3.97	-3.94	-0.53	2.8	-13.9
18,202.0	89.50	359.70	12,686.3	5,633.5	-102.4	0.95	0.85	-0.43	4.0	-14.4
18,295.0	94.40	359.20	12,683.2	5,726.4	-103.2	5.30	5.27	-0.54	0.6	-14.2
18,389.0	94.60	359.40	12,675.8	5,820.1	-104.4	0.30	0.21	0.21	-7.0	-13.7
18,483.0	91.20	359.90	12,671.0	5,913.9	-105.0	3.66	-3.62	0.53	-12.0	-13.9
18,577.0	89.20	0.30	12,670.7	6,007.9	-104.8	2.17	-2.13	0.43	-12.6	-14.7
18,671.0	89.80	1.30	12,671.5	6,101.9	-103.5	1.24	0.84	1.06	-12.0	-16.7
18,764.0	88.30	0.60	12,673.1	6,194.9	-101.8	1.70	-1.61	-0.54	-10.7	-19.1
18,858.0	89.00	1.20	12,673.3	6,288.8	-100.1	0.86	0.74	0.43	-8.8	-21.4
18,952.0	89.30	1.90	12,676.7	6,382.8	-97.6	0.81	0.32	0.74	-7.6	-24.7



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Peachtree 24 Fed Com
 Well: #702H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #702H
 TVD Reference: Kb = 25 @ 3402.0usft
 MD Reference: Kb = 25 @ 3402.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Asd (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Buflid (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,046.0	92.50	0.80	12,675.2	6,476.7	-95.4	3.60	3.40	-1.17	-9.3	-27.6
19,140.0	92.40	359.40	12,671.2	6,570.7	-95.2	1.49	-0.11	-1.49	-13.6	-28.5
19,234.0	89.40	0.40	12,669.7	6,664.6	-95.4	3.36	-3.19	1.06	-15.3	-29.0
19,327.0	87.10	359.00	12,672.6	6,757.6	-95.9	2.89	-2.47	-1.51	-12.7	-29.2
19,421.0	86.80	359.00	12,677.6	6,851.4	-97.5	0.32	-0.32	0.00	-7.9	-28.2
19,514.0	89.70	358.30	12,680.4	6,944.4	-99.7	3.21	3.12	-0.75	-5.4	-26.7
19,608.0	89.60	358.00	12,681.0	7,038.3	-102.7	0.34	-0.11	-0.32	-5.0	-24.4
19,701.0	89.20	357.50	12,681.9	7,131.2	-108.4	0.69	-0.43	-0.54	-4.3	-21.4
19,796.0	89.70	357.30	12,682.9	7,226.1	-110.7	0.57	0.53	-0.21	-3.6	-17.8
19,889.0	91.30	358.20	12,682.0	7,319.0	-114.3	1.97	1.72	0.97	-4.7	-14.9
19,983.0	91.00	358.00	12,680.2	7,413.0	-117.5	0.36	-0.32	-0.21	-6.8	-12.4
20,076.0	90.00	357.80	12,679.3	7,505.9	-120.9	1.10	-1.08	-0.22	-7.9	-9.7
20,170.0	88.20	358.00	12,680.8	7,599.8	-124.3	1.93	-1.81	0.21	-6.7	-7.0
20,264.0	90.40	357.80	12,682.0	7,693.8	-127.8	2.35	2.34	-0.21	-5.8	-4.2
20,358.0	92.70	359.70	12,679.4	7,787.7	-129.8	3.17	2.45	2.02	-8.5	-2.9
20,451.0	93.10	0.80	12,674.7	7,880.6	-129.6	1.06	0.43	0.97	-13.4	-3.8
20,545.0	92.40	1.70	12,670.2	7,974.4	-127.7	1.39	-0.74	1.17	-18.1	-6.4
20,639.0	87.80	2.40	12,670.0	8,068.4	-124.3	4.95	-4.89	0.74	-18.5	-10.4
20,733.0	87.80	2.00	12,673.7	8,162.2	-120.7	0.43	0.00	-0.43	-15.1	-14.7
20,827.0	87.70	1.50	12,677.3	8,256.1	-117.8	0.54	-0.11	-0.53	-11.6	-18.3
20,920.0	88.00	1.70	12,680.8	8,349.0	-115.2	0.39	0.32	0.22	-8.3	-21.6
21,013.0	92.20	3.30	12,680.7	8,441.9	-111.2	4.83	4.52	1.72	-8.6	-26.3
21,106.0	88.50	0.60	12,680.1	8,534.8	-108.0	4.92	-3.98	-2.90	-9.4	-30.2
21,199.0	89.90	358.20	12,681.4	8,627.8	-109.0	2.99	1.51	-2.58	-8.3	-29.9
21,293.0	90.00	358.00	12,681.5	8,721.7	-112.1	0.24	0.11	-0.21	-8.4	-27.5
21,387.0	90.20	357.60	12,681.3	8,815.7	-115.7	0.48	0.21	-0.43	-8.7	-24.6
21,481.0	90.00	358.30	12,681.2	8,909.6	-119.1	0.77	-0.21	0.74	-9.1	-21.9



Midland PVA

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21,574.0	89.10	357.10	12,681.9	9,002.5	-122.8	1.81	-0.97	-1.29	-8.5	-18.8
21,688.0	92.20	358.50	12,680.8	9,098.4	-128.4	3.62	3.30	1.49	-9.8	-15.9
21,782.0	88.50	357.60	12,681.9	9,190.3	-129.6	6.14	-6.06	-0.96	-8.9	-13.5
21,855.0	85.70	357.50	12,688.2	9,283.0	-133.6	0.87	-0.86	-0.11	-2.8	-10.2
21,949.0	87.60	358.00	12,693.7	9,376.8	-137.3	2.09	2.02	0.53	2.5	-7.2
22,043.0	90.80	358.90	12,695.0	9,470.7	-139.8	3.54	3.40	0.96	3.6	-5.3
22,137.0	89.40	358.30	12,694.9	9,564.7	-142.1	1.82	-1.49	-0.64	3.3	-3.7
22,230.0	90.10	359.00	12,695.3	9,657.7	-144.3	1.06	0.75	0.75	3.5	-2.2
22,323.0	90.50	359.20	12,694.8	9,750.7	-145.8	0.48	0.43	0.22	2.8	-1.4
22,415.0	92.50	359.60	12,692.4	9,842.6	-148.7	2.22	2.17	0.43	0.2	-1.2
22,509.0	93.30	0.10	12,687.6	9,936.5	-147.0	1.00	0.85	0.53	-4.7	-1.6
22,602.0	91.50	359.80	12,683.7	10,028.4	-147.2	2.01	-1.94	-0.54	-8.8	-2.1
22,696.0	91.80	359.90	12,681.0	10,123.4	-147.6	0.45	0.32	0.32	-11.7	-2.3
22,772.0	93.10	0.10	12,677.8	10,199.3	-147.6	1.73	1.71	0.26	-15.1	-2.9
Last MWD Survey (MD = 22772.0)										
22,831.0	93.10	0.10	12,674.6	10,258.2	-147.5	0.00	0.00	0.00	-18.4	-3.4
Projection to Bit (MD = 22831.0)										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
12,120.0	12,108.7	-161.7	-112.7	KOP 12120.0' MD; 12108.7' TVD; -161.7'; -112.7'; 2.42
12,347.8	12,322.3	-90.0	-115.4	FTP Crossing 12347.8' MD; 12322.3' TVD; -90.0'; -115.4'; 29.88
22,772.0	12,677.8	10,199.3	-147.6	Last MWD Survey (MD = 22772.0)
22,831.0	12,674.6	10,258.2	-147.5	Projection to Bit (MD = 22831.0)

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Peachtree 24 Fed Com #702H

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: #702H

KB = 25 @ 3402.0' 3377.0
Northing 372756.00 Easting 783398.00 Latitude 32° 1' 19.842 N Longitude 103° 31' 12.071 W

SECTION DETAILS

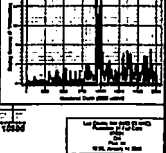
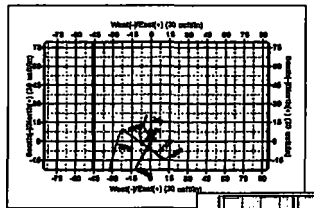
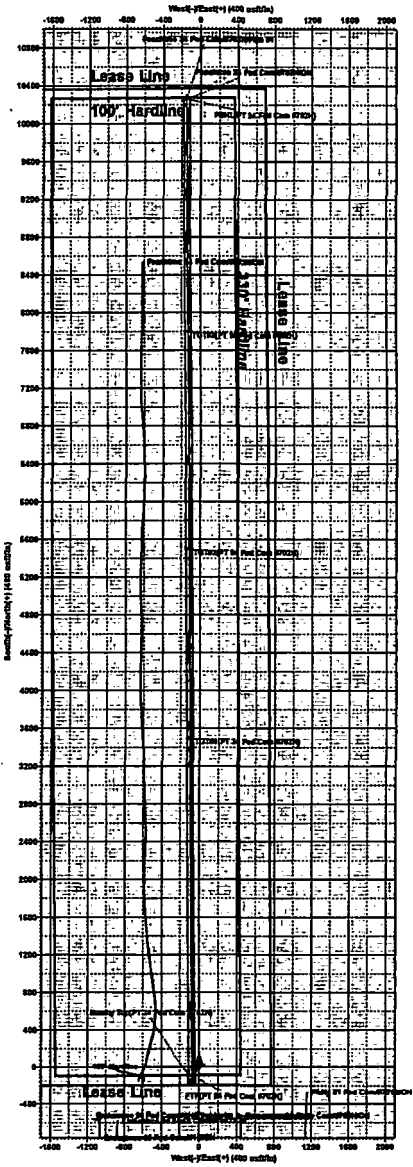
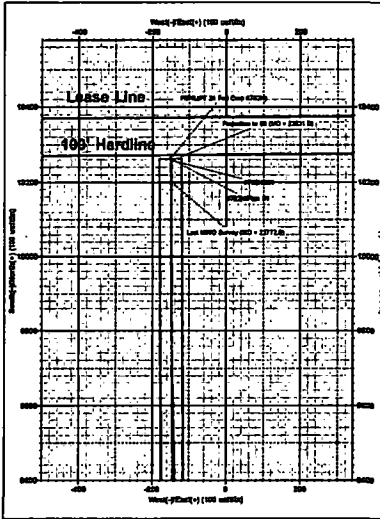
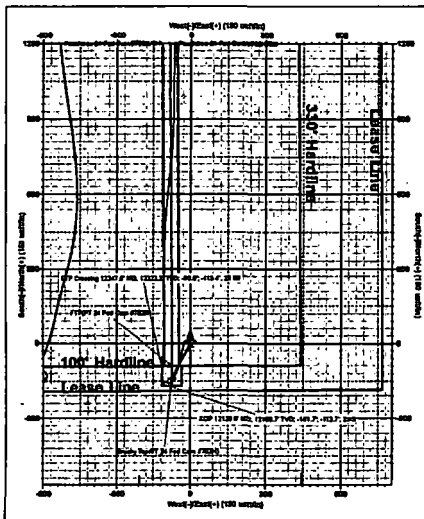
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5127.0	0.00	0.00	5127.0	0.0	0.0	0.00	0.00	0.0	
3	5427.2	6.00	207.86	5426.7	-13.9	-7.3	2.00	207.88	-13.8	
4	6640.6	6.00	207.88	6633.3	-126.1	-66.7	0.00	0.00	-125.1	
5	6940.8	0.00	0.00	6933.0	-140.0	-74.0	2.00	180.00	-138.9	
6	12210.3	0.00	0.00	12202.5	-140.0	-74.0	0.00	0.00	-138.9	
7	12960.2	80.00	359.58	12880.0	337.4	-77.5	12.00	359.58	338.8	TGT#1(PT 24 Fed Com #702H)
8	16121.8	90.00	359.58	12880.0	3498.9	-100.9	0.00	0.00	3500.0	
9	16124.6	89.94	359.58	12880.0	3501.7	-101.0	2.00	-180.00	3502.8	TGT#2(PT 24 Fed Com #702H)
10	18121.8	89.94	359.58	12882.0	6498.9	-116.7	0.00	0.00	6500.0	
1	18126.5	89.85	359.58	12882.0	6503.6	-115.8	2.00	180.00	6504.6	TGT#3(PT 24 Fed Com #702H)
2	20421.9	89.85	359.58	12688.0	7788.9	-132.8	0.00	0.00	7800.0	
3	20423.6	89.88	359.58	12688.0	7800.6	-132.8	2.00	0.00	7801.7	
4	22686.1	89.88	359.58	12693.0	10263.0	-151.0	0.00	0.00	10264.1	PBHL(PT 24 Fed Com #702H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT#1(PT 24 Fed Com #702H)	12880.0	3498.9	-100.9	376254.80	783297.07
TGT#2(PT 24 Fed Com #702H)	12882.0	6498.9	-115.7	376254.80	783297.26
TGT#3(PT 24 Fed Com #702H)	12882.0	7788.9	-122.8	380354.80	783293.24
PBHL(PT 24 Fed Com #702H)	12688.0	10263.0	-151.0	380319.00	783247.00
Brushy Top(PT 24 Fed Com #702H)	7891.0	-142.0	-74.0	372818.00	783324.00
FTP(PT 24 Fed Com #702H)	12680.0	-80.0	-74.0	372868.00	783324.00



Vertical Section at 353.19' (200' units)