



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State Com

#715H

OH

HOBBS

JUN 17 2019

RECEIVED

Design: OH

Midland PVA

27 February, 2019



Midland PVA

Company:	EOG Resources - Midland			Local Co-ordinate Reference:	Well #715H
Project:	Lea County, NM (NAD 83 NME)			TVD Reference:	KB = 25' @ 3354.0usft
Site:	Conder 32 State Corn			MD Reference:	KB = 25' @ 3354.0usft
Well:	#715H			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	Conder 32 State Corn				
Site Position:		Northing:	394,016.00 usft	Latitude:	32° 4' 49.616 N
From:	Map	Easting:	801,320.00 usft	Longitude:	103° 29' 38.138 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.45 "

Well	#715H					
Well Position	+N-S	0.0 usft	Northing:	394,134.00 usft	Latitude:	32° 4' 50.889 N
	+E-W	0.0 usft	Easting:	799,953.00 usft	Longitude:	103° 29' 54.015 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,329.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (uT)
	IGRF2015	11/14/2018	6.78	59.92	47,718.46973323

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	357.21	

Survey Program	Date 2/27/2019				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
174.0	20,258.0	Drilltech MWD (OH)	MWD	OWSG MWD - Standard	



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 TVD Reference: KB = 25' @ 3354.0usft
 MD Reference: KB = 25' @ 3354.0usft
 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)		
0.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
174.0	1.00	42.90	174.0	1.1	1.0	0.57	0.57	0.00	0.0	0.0	0.0	0.0
325.0	1.00	49.80	325.0	2.9	2.9	0.08	0.00	4.57	0.0	0.0	0.0	0.0
513.0	0.60	62.50	512.9	4.4	5.1	0.23	-0.21	6.76	0.0	0.0	0.0	0.0
697.0	0.40	60.60	696.9	5.2	6.5	0.11	-0.11	-0.92	0.0	0.0	0.0	0.0
884.0	0.40	51.30	883.9	5.9	7.6	0.04	0.00	-5.08	0.0	0.0	0.0	0.0
899.0	0.40	73.70	898.9	6.0	7.6	1.04	0.00	149.33	0.0	0.0	0.0	0.0
1,058.0	0.40	53.80	1,057.9	6.5	8.6	0.09	0.00	-12.52	0.0	-0.1	0.0	-0.1
1,152.0	1.90	221.40	1,151.9	-5.5	7.9	2.44	1.60	178.30	-1.9	0.0	0.0	0.0
1,339.0	4.30	219.80	1,338.6	-2.2	1.3	1.28	1.28	-0.66	-9.8	-0.4	0.0	-0.4
1,526.0	7.00	220.40	1,524.7	-16.3	-10.5	1.44	1.44	0.32	-14.5	-0.1	0.0	-0.1
1,714.0	7.20	219.10	1,711.3	-34.2	-25.4	0.14	0.11	-0.69	-19.8	0.0	0.0	0.0
1,902.0	7.00	221.20	1,897.8	-51.9	-40.4	0.17	-0.11	1.12	-25.0	1.2	0.0	1.2
2,090.0	7.60	220.80	2,084.3	-70.0	-56.1	0.32	0.32	-0.21	-30.9	1.1	0.0	1.1
2,276.0	6.90	220.10	2,268.8	-87.8	-71.3	0.38	-0.38	-0.38	-36.6	0.9	0.0	0.9
2,462.0	5.80	211.00	2,453.7	-104.4	-83.3	0.80	-0.59	-4.89	-39.2	-3.4	0.0	-3.4
2,649.0	5.30	203.80	2,639.8	-120.4	-81.7	0.46	-0.27	-3.85	-39.4	-4.1	0.0	-4.1
2,835.0	4.70	223.30	2,825.1	-133.8	-100.4	0.96	-0.32	10.46	-36.4	11.5	0.0	11.5
3,022.0	4.30	226.00	3,011.5	-144.3	-110.7	0.24	-0.21	1.44	-32.6	12.1	0.0	12.1
3,210.0	3.60	231.20	3,199.1	-152.9	-120.3	0.42	-0.37	2.77	-26.6	12.6	0.0	12.6
3,396.0	4.90	235.80	3,384.6	-161.0	-131.5	0.72	0.70	2.47	-22.0	10.6	0.0	10.6
3,584.0	4.60	242.50	3,571.9	-169.0	-144.8	0.34	-0.16	3.56	-19.3	7.6	0.0	7.6
3,771.0	6.30	213.00	3,758.1	-181.1	-157.0	1.72	0.91	-15.78	-19.6	-4.0	0.0	-4.0
3,958.0	6.20	239.20	3,944.0	-194.6	-171.3	1.51	-0.05	14.01	-21.6	4.1	0.0	4.1
4,146.0	6.60	235.80	4,130.9	-206.1	-188.8	0.29	0.21	-1.81	-25.3	-2.3	0.0	-2.3
4,333.0	8.10	228.90	4,316.3	-220.6	-207.9	0.80	0.80	-3.16	-31.1	-8.7	0.0	-8.7
4,519.0	5.30	194.50	4,501.1	-237.4	-220.1	2.61	-1.51	-19.03	-23.8	-24.6	0.0	-24.6



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 Wellbore: OH
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 MD Reference: KB = 25' @ 3354.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey											
MD (usft)	Inc (")	Asl (azimuth) (")	TVD (usft)	N/S (usft)	EW (usft)	D/Lag ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,707.0	5.40	180.70	4,688.3	-254.7	-222.4	0.68	0.05	-7.34	-20.9	-19.9	
4,885.0	5.50	171.20	4,875.4	-272.4	-221.1	0.48	0.05	-5.05	-23.5	-10.7	
5,082.0	6.00	184.40	5,061.5	-291.0	-220.5	0.75	0.27	7.06	-29.5	7.7	
5,289.0	6.20	236.20	5,247.6	-306.4	-229.6	2.85	0.11	27.70	-11.1	30.9	
5,456.0	5.90	207.20	5,433.6	-320.5	-242.4	1.62	-0.16	-15.51	-25.8	21.2	
5,643.0	2.60	222.90	5,620.1	-332.2	-249.7	1.85	-1.76	8.40	-14.7	29.5	
5,830.0	1.60	314.60	5,807.0	-333.5	-254.5	1.65	-0.53	49.04	26.4	0.1	
6,017.0	1.60	309.30	5,993.9	-330.0	-258.3	0.08	0.00	-2.83	21.7	-15.5	
6,204.0	1.40	299.80	6,180.8	-327.2	-262.3	0.17	-0.11	-5.08	22.1	-26.7	
6,391.0	1.20	298.50	6,367.8	-325.1	-266.0	0.11	-0.11	-0.70	19.2	-29.6	
6,578.0	1.30	298.00	6,554.7	-323.2	-269.6	0.05	0.05	-0.27	15.3	-29.4	
6,764.0	0.30	219.50	6,740.7	-322.6	-271.8	0.69	-0.54	-42.20	31.0	7.1	
6,950.0	0.20	165.50	6,926.7	-323.3	-272.0	0.13	-0.05	-29.03	11.9	28.9	
7,138.0	0.20	203.70	7,114.7	-323.9	-272.1	0.07	0.00	20.32	26.6	15.5	
7,325.0	0.40	137.20	7,301.7	-324.7	-271.8	0.20	0.11	-35.56	-4.4	30.3	
7,510.0	0.50	148.60	7,486.7	-325.6	-270.9	0.07	0.05	6.16	0.2	30.7	
7,698.0	0.50	138.00	7,674.7	-327.1	-269.9	0.05	0.00	-5.64	-7.1	30.1	
7,885.0	0.40	141.60	7,861.7	-328.3	-269.0	0.06	-0.05	1.93	-6.6	30.5	
8,072.0	0.70	184.50	8,048.7	-329.9	-268.7	0.26	0.16	22.94	14.3	27.3	
8,259.0	0.70	189.10	8,235.7	-332.1	-269.1	0.10	0.00	7.81	18.4	23.1	
8,445.0	0.70	191.40	8,421.7	-334.3	-269.7	0.05	0.00	-4.14	12.9	25.2	
8,633.0	0.80	187.70	8,609.6	-336.7	-270.1	0.06	0.05	-1.97	8.8	25.9	
8,821.0	0.60	195.00	8,797.6	-339.0	-270.6	0.12	-0.11	3.88	9.7	24.8	
9,008.0	0.70	211.20	8,984.6	-340.9	-271.4	0.11	0.05	8.66	14.2	21.3	
9,195.0	0.80	250.00	9,171.6	-342.3	-273.2	0.27	0.05	20.75	22.2	8.5	
9,381.0	1.20	249.70	9,357.6	-343.5	-276.3	0.22	0.22	-0.16	18.9	8.6	
9,568.0	1.30	249.10	9,544.5	-344.9	-280.1	0.05	0.05	-0.32	14.8	8.7	



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Well: #715H		North Reference: Grid	
Wellbore: OH		Survey Calculation Method: Minimum Curvature	
Design: OH		Database: EDM 5000.14	

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9,662.0	1.30	240.10	9,638.5	-345.8	-282.0	0.22	0.00	-8.57	11.1	10.8	
9,649.0	2.40	255.90	9,625.4	-347.8	-287.6	0.64	0.59	8.45	7.7	7.9	
10,036.0	1.30	268.70	10,012.3	-348.8	-293.6	0.62	-0.59	6.84	3.3	6.9	
10,223.0	1.40	234.80	10,199.3	-350.2	-297.5	0.43	0.05	-18.24	-5.2	6.4	
10,409.0	2.60	231.40	10,385.1	-354.1	-302.7	0.65	0.65	-1.72	-12.0	5.9	
10,595.0	1.80	236.30	10,571.0	-358.4	-308.4	0.44	-0.43	2.63	-18.8	7.3	
10,781.0	1.80	140.40	10,756.9	-382.3	-309.0	1.44	0.00	-31.56	-8.0	-22.2	
10,969.0	3.90	109.70	10,944.7	-368.6	-301.1	1.36	1.12	-18.86	-4.0	-24.6	
11,157.0	2.90	104.60	11,132.4	-369.8	-290.4	0.55	-0.53	-2.18	-13.4	-25.3	
11,343.0	2.20	93.10	11,318.2	-371.2	-282.3	0.46	-0.38	-8.18	-16.3	-26.4	
11,530.0	0.80	27.90	11,505.1	-370.3	-278.1	1.07	-0.75	-34.87	16.1	-29.9	
11,718.0	1.50	283.10	11,693.1	-368.1	-279.7	0.94	0.37	-50.43	26.1	17.3	
11,906.0	1.80	288.50	11,881.0	-366.2	-284.8	0.17	0.16	-2.45	19.3	19.1	
11,980.0	1.90	291.90	11,955.0	-365.4	-287.0	0.20	0.14	4.59	18.0	18.0	
12,107.0	1.80	301.10	12,081.9	-363.6	-290.7	0.25	-0.08	7.24	16.5	15.2	
12,232.0	1.10	303.10	12,206.9	-361.9	-293.4	0.56	-0.56	1.60	14.6	15.7	
12,263.0	5.70	328.30	12,237.8	-360.5	-294.4	15.25	14.84	81.29	20.8	9.7	
12,294.0	9.10	355.50	12,268.6	-356.7	-295.4	15.46	10.97	87.74	24.1	0.2	
12,341.0	12.20	359.00	12,314.8	-348.0	-295.8	6.73	6.60	7.45	26.6	-0.9	
12,388.0	17.80	359.10	12,360.1	-335.9	-296.0	11.92	11.91	0.21	30.0	-0.6	
12,481.0	32.10	0.10	12,444.2	-298.7	-296.2	15.38	15.38	1.08	33.2	-1.5	
12,528.0	42.60	359.70	12,481.5	-288.3	-296.3	22.35	22.34	-0.85	31.2	-1.4	
12,575.0	51.80	356.50	12,513.5	-233.8	-297.5	20.20	19.57	-8.81	25.4	0.6	
12,622.0	56.90	355.50	12,540.8	-195.8	-300.1	10.99	10.85	-2.13	18.0	2.8	
12,669.0	62.90	359.70	12,564.4	-155.2	-301.8	14.92	12.77	8.94	10.7	3.3	
12,716.0	67.30	1.60	12,584.2	-112.6	-301.3	10.05	9.36	4.04	3.4	2.4	
12,760.0	71.60	1.70	12,599.6	-71.4	-300.1	9.78	9.77	0.23	-2.6	0.8	



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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12,807.0	74.00	3.10	12,813.5	-26.5	-298.2	5.85	5.11	2.98	-7.4	-1.2	
12,853.0	74.40	3.60	12,826.1	17.7	-295.7	1.36	0.87	1.09	-8.6	-4.2	
12,900.0	75.50	3.70	12,838.3	63.0	-292.8	2.35	2.34	0.21	-5.9	-7.5	
12,947.0	80.30	3.20	12,848.1	108.8	-290.0	10.27	10.21	-1.08	-0.9	-10.7	
12,994.0	85.50	2.90	12,853.9	155.4	-287.5	11.08	11.08	-0.64	4.3	-13.6	
13,041.0	89.30	1.80	12,856.0	202.3	-285.6	8.42	8.09	-2.34	6.8	-15.9	
13,134.0	90.30	0.80	12,856.4	295.2	-283.4	1.45	1.08	-0.97	7.8	-18.8	
13,228.0	91.80	2.70	12,854.6	389.2	-280.5	2.49	1.60	1.91	6.8	-22.8	
13,321.0	92.20	359.30	12,851.4	482.1	-278.8	3.68	0.43	-3.66	4.2	-25.0	
13,414.0	91.70	357.70	12,848.2	575.0	-281.3	1.80	-0.54	-1.72	1.7	-23.3	
13,508.0	90.00	358.60	12,848.8	668.9	-284.3	2.05	-1.81	0.96	1.0	-21.0	
13,602.0	89.30	357.90	12,847.4	762.8	-287.2	1.05	-0.74	-0.74	2.2	-18.9	
13,695.0	89.60	357.30	12,848.3	855.6	-291.1	0.72	0.32	-0.65	3.8	-15.8	
13,789.0	90.00	358.20	12,848.6	949.7	-294.8	1.05	0.43	0.96	4.6	-12.9	
13,882.0	89.70	358.70	12,848.9	1,042.7	-297.3	0.63	-0.32	0.54	5.7	-11.2	
13,976.0	89.30	358.20	12,849.7	1,136.7	-299.8	0.68	-0.43	-0.53	7.2	-9.4	
14,070.0	89.90	358.20	12,850.4	1,230.6	-302.8	0.64	0.64	0.00	6.5	-7.2	
14,163.0	91.80	359.50	12,849.0	1,323.6	-304.6	2.48	2.04	1.40	7.8	-6.1	
14,255.0	90.50	359.20	12,847.1	1,415.6	-305.7	1.45	-1.41	-0.33	6.8	-5.8	
14,349.0	90.50	358.90	12,846.3	1,509.5	-307.2	0.32	0.00	-0.32	6.5	-5.0	
14,443.0	90.40	359.70	12,845.6	1,603.5	-309.2	0.24	-0.11	-0.21	6.7	-3.8	
14,536.0	91.00	357.60	12,844.4	1,696.5	-312.2	1.35	0.65	-1.18	6.5	-1.6	
14,630.0	89.70	357.20	12,843.9	1,790.4	-316.5	1.45	-1.38	-0.43	6.9	1.9	
14,723.0	89.90	357.10	12,844.2	1,883.2	-321.1	0.24	0.22	-0.11	6.1	5.7	
14,817.0	90.00	359.50	12,844.3	1,977.2	-323.9	2.56	0.11	2.55	9.2	7.7	
14,910.0	89.90	359.80	12,844.4	2,070.2	-324.6	0.15	-0.11	0.11	10.2	7.7	
15,003.0	90.40	359.90	12,844.1	2,163.2	-325.0	0.63	0.54	0.32	10.9	7.4	



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15,098.0	90.70	359.20	12,643.2	2,256.2	-325.7	0.82	0.32	-0.75	10.9	7.3	
15,189.0	90.50	358.80	12,642.2	2,349.2	-327.4	0.48	-0.22	-0.43	10.9	8.2	
15,282.0	90.50	0.10	12,641.4	2,442.1	-328.3	1.40	0.00	1.40	11.0	8.3	
15,375.0	91.00	359.90	12,640.2	2,535.1	-328.3	0.58	0.54	-0.22	10.7	7.5	
15,468.0	91.30	0.20	12,638.3	2,628.1	-328.2	0.48	0.32	0.32	9.7	6.7	
15,562.0	90.60	0.50	12,636.8	2,722.1	-327.6	0.81	-0.74	0.32	9.1	5.3	
15,656.0	90.90	0.10	12,635.6	2,816.1	-327.1	0.53	0.32	-0.43	8.8	4.1	
15,750.0	91.40	0.30	12,633.7	2,910.1	-326.8	0.57	0.53	0.21	7.9	3.0	
15,844.0	90.70	0.90	12,631.9	3,004.1	-325.8	0.98	-0.74	0.64	7.1	1.2	
15,937.0	91.80	1.50	12,629.9	3,097.0	-323.9	1.35	1.18	0.65	6.1	-1.5	
16,031.0	90.70	0.70	12,627.9	3,191.0	-322.1	1.45	-1.17	-0.85	5.1	-4.1	
16,125.0	91.20	0.30	12,626.3	3,285.0	-321.2	0.88	0.53	-0.43	4.6	-5.7	
16,218.0	90.90	0.20	12,624.6	3,377.9	-320.8	0.34	-0.32	-0.11	3.9	-6.8	
16,312.0	91.70	0.10	12,622.5	3,471.9	-320.6	0.86	0.85	-0.11	2.8	-7.9	
16,406.0	91.80	0.80	12,619.6	3,565.9	-319.8	0.75	0.11	0.74	1.0	-9.4	
16,500.0	90.60	0.40	12,617.6	3,659.8	-318.9	1.35	-1.28	-0.43	0.0	-11.2	
16,592.0	89.40	359.70	12,617.6	3,751.8	-318.8	1.51	-1.30	-0.76	1.0	-12.0	
16,686.0	89.80	359.40	12,618.3	3,845.8	-319.5	0.53	0.43	-0.32	2.7	-12.0	
16,780.0	90.70	359.40	12,617.9	3,939.8	-320.5	0.96	0.96	0.00	3.3	-11.8	
16,874.0	90.50	357.90	12,616.9	4,033.8	-322.7	1.81	-0.21	-1.60	3.4	-10.4	
16,967.0	91.30	358.00	12,615.4	4,126.7	-326.0	0.87	0.86	0.11	2.9	-7.8	
17,061.0	89.90	358.70	12,614.5	4,220.7	-328.7	1.67	-1.49	0.74	3.0	-5.9	
17,154.0	89.50	359.20	12,614.9	4,313.6	-330.5	0.69	-0.43	0.54	4.5	-5.0	
17,248.0	90.50	359.00	12,614.9	4,407.6	-331.9	1.08	1.08	-0.21	5.5	-4.3	
17,342.0	88.40	358.90	12,615.6	4,501.6	-333.6	2.24	-2.23	-0.11	7.5	-3.3	
17,460.0	88.10	359.90	12,619.4	4,619.5	-334.9	0.88	-0.25	0.65	12.4	-3.0	
17,553.0	87.50	359.70	12,623.0	4,712.5	-335.2	0.68	-0.65	-0.22	17.0	-3.5	



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Condor 32 State Com
 Well: #715H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #715H
 TVD Reference: KB = 25' @ 3354.0usft
 MD Reference: KB = 25' @ 3354.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Asi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,646.0	90.40	359.40	12,624.7	4,805.4	-335.9	3.13	3.12	-0.32	19.7	-3.5
17,738.0	90.90	359.50	12,623.7	4,897.4	-336.8	0.55	0.54	0.11	19.7	-3.4
17,832.0	89.90	359.80	12,623.0	4,991.4	-337.4	1.11	-1.06	0.32	20.0	-3.6
17,925.0	89.70	1.40	12,623.3	5,084.4	-336.4	1.73	-0.22	1.72	21.4	-5.3
18,019.0	89.10	1.30	12,624.3	5,178.4	-334.2	0.65	-0.64	-0.11	23.4	-8.3
18,113.0	88.90	1.20	12,627.6	5,272.3	-332.2	2.34	-2.34	-0.11	27.7	-11.2
18,206.0	90.00	359.80	12,630.1	5,365.3	-331.3	3.68	3.33	-1.51	31.3	-12.7
18,299.0	90.40	358.40	12,629.8	5,458.2	-332.8	1.57	0.43	-1.51	31.9	-12.0
18,393.0	90.40	359.20	12,629.1	5,552.2	-334.8	0.85	0.00	0.85	32.3	-10.8
18,487.0	90.40	358.80	12,628.5	5,646.2	-336.4	0.43	0.00	-0.43	32.7	-10.0
18,580.0	90.70	359.00	12,627.6	5,739.2	-338.2	0.39	0.32	0.22	32.8	-9.0
18,673.0	88.90	357.20	12,627.9	5,832.1	-341.3	2.74	-1.94	-1.94	34.2	-6.7
18,766.0	88.30	357.70	12,629.4	5,925.0	-345.4	0.69	0.43	0.54	36.7	-3.3
18,859.0	88.60	358.20	12,630.3	6,018.0	-348.8	0.63	0.32	0.54	38.6	-0.7
18,953.0	91.30	357.70	12,629.5	6,111.9	-352.1	1.89	1.81	-0.53	39.0	1.9
19,046.0	91.60	356.80	12,627.2	6,204.7	-356.6	1.02	0.32	-0.97	37.7	5.5
19,140.0	91.60	359.40	12,624.4	6,298.6	-359.7	2.77	0.21	2.77	36.1	7.9
19,232.0	92.70	358.70	12,620.8	6,390.6	-361.2	1.24	0.98	-0.78	33.5	8.7
19,326.0	90.90	359.40	12,617.8	6,484.5	-362.8	2.05	-1.91	0.74	31.7	9.5
19,419.0	90.70	358.80	12,618.5	6,577.5	-364.2	0.68	-0.22	-0.65	31.5	10.1
19,512.0	88.30	357.30	12,618.5	6,670.4	-367.4	2.21	-1.51	-1.61	32.6	12.5
19,605.0	90.00	358.70	12,617.1	6,763.4	-370.6	1.68	0.75	1.51	34.3	15.0
19,700.0	89.70	1.90	12,617.3	6,856.3	-370.1	3.38	-0.32	3.37	35.7	13.8
19,793.0	89.30	0.90	12,618.2	6,951.3	-367.9	1.16	-0.43	-1.08	37.6	10.7
19,887.0	91.60	1.60	12,617.4	7,045.3	-365.8	2.56	2.45	0.74	38.0	7.9
19,980.0	92.10	1.90	12,614.4	7,138.2	-363.0	0.63	0.54	0.32	36.1	4.3
20,074.0	93.20	0.80	12,610.1	7,232.1	-360.7	1.58	1.17	-1.06	32.9	1.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #715H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3354.0usft
Site:	Condor 32 State Com	MD Reference:	KB = 25' @ 3354.0usft
Well:	#715H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
20,167.0	89.80	0.40	12,807.8	7,325.0	-359.8	3.59	-3.55	-0.54	31.5	-0.6
20,191.0	90.00	1.50	12,807.8	7,349.0	-359.2	4.60	0.42	4.58	31.8	-1.2
20,258.0	90.00	1.50	12,807.8	7,416.0	-357.5	0.00	0.00	0.00	32.6	-3.5

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
12,185.0	12,159.9	-382.5	-292.5	KOP, MD:12185.0', TVD:12159.9', N/S:-382.5', E/W:-292.5', INC:1.36
12,489.7	12,451.5	-292.0	-296.2	FTP Crossing, MD:12489.7', TVD:12451.5', N/S:-292.0', E/W:-296.2', INC:34.04
20,191.0	12,807.8	7,349.0	-359.2	Last MWD Survey (MD=20191.0')
20,258.0	12,807.8	7,416.0	-357.5	Projection to Bit (MD=20258.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Condor 32 State Com #715H

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: #715H

KB = 25' @ 3354.00ft
Northing 394134.00 Easting 799953.00
32° 4' 50.889 N 103° 29' 54.018 W
3329.0

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VFace	Target
1	889.0	0.39	58.72	888.9	5.9	7.6	0.00	0.00	5.6	
2	1200.1	0.39	58.72	1200.0	7.1	9.4	0.00	0.00	6.6	
3	1493.8	8.50	221.31	1493.3	-3.0	1.0	2.00	163.73	-3.0	
4	6067.1	5.50	221.31	6045.5	-332.1	-288.3	0.00	0.00	-317.7	
5	6342.0	0.00	0.00	6320.0	-342.0	-297.0	2.00	180.00	-327.2	
6	12194.2	0.00	0.00	12172.2	-342.0	-297.0	0.00	0.00	-327.2	
7	12947.6	90.41	359.53	12849.7	138.9	-301.0	12.00	359.53	153.3	
8	14295.4	90.41	359.53	12840.0	1488.8	-312.1	0.00	0.00	1500.0	TGT#1(Condor 32 State Com #715H)
9	14303.5	90.57	359.53	12839.9	1484.7	-312.2	2.00	0.00	1508.1	
10	15706.7	90.57	359.53	12825.0	2957.8	-324.5	0.00	0.00	3000.0	TGT#2(Condor 32 State Com #715H)
11	15799.6	90.63	359.53	12825.0	2980.6	-324.5	2.00	0.00	3002.9	
12	18789.3	90.63	359.53	12592.0	5990.1	-349.2	0.00	0.00	6000.0	TGT#4(Condor 32 State Com #715H)
13	18801.9	90.68	359.53	12592.0	5992.7	-349.3	2.00	0.00	6002.6	
14	20226.3	90.68	359.53	12575.0	7417.0	-361.0	0.00	0.00	7425.8	PBHL (Condor 32 State Com #715H)

To convert a Magnetic Direction to a Grid Direction, Add 8.31°
To convert a Magnetic Direction to a True Direction, Add 6.70° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

CASING DETAILS

No casing data is available

WELLBORE YARDSTICK DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top(Condor 32 State Com #715H)	8032.0	-342.0	-297.0	335792.00	799828.00
PBHL (Condor 32 State Com #715H)	12575.0	7417.0	-361.0	401181.00	799832.00
TGT#1(Condor 32 State Com #715H)	12825.0	8390.1	-340.2	401134.10	799823.77
TGT#2(Condor 32 State Com #715H)	12810.0	4428.9	-338.8	388822.30	799816.16
TGT#4(Condor 32 State Com #715H)	12625.0	2987.8	-324.5	337121.80	799828.23
TGT#5(Condor 32 State Com #715H)	12840.0	1428.8	-312.1	335620.50	799843.92
FTP (Condor 32 State Com #715H)	12851.0	-292.0	-297.0	333843.00	799858.00

