



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Dragon 36 State

#702H

OH

Design: OH

EOG PVA

09 March, 2015

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HOBBS OCD

30-025-42317



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Site:	Dragon 36 State	MD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Dragon 36 State		
Site Position:		Northing:	425,530.00 usft
From:	Map	Easting:	751,878.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 2.209 N
		Longitude:	103° 31' 9.625 W
		Grid Convergence:	0.43 °

Well	#702H		
Well Position	+N/-S	0.0 usft	Northing: 430,002.00 usft
	+E/-W	0.0 usft	Easting: 750,490.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation: 0.0 usft
			Latitude: 32° 10' 46.565 N
			Longitude: 103° 31' 25.381 W
			Ground Level: 3,507.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	2/11/2015	7.18
			Dip Angle (°) 60.06
			Field Strength (nT) 48,158

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)
	0.0	0.0	0.0
			Direction (°) 185.01

Survey Program	Date 3/9/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
194.0	17,346.0	MWD Surveys #1 (OH)	MWD
			Description MWD - Standard



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
194.0	0.70	42.80	194.0	0.9	0.8	0.36	0.36	0.00	-1.2	0.0	
283.0	1.00	54.30	283.0	1.7	1.8	0.39	0.34	12.92	-2.5	0.3	
398.0	0.90	61.30	398.0	2.7	3.4	0.13	-0.09	6.09	-4.3	0.8	
517.0	0.90	68.60	517.0	3.5	5.1	0.10	0.00	6.13	-6.0	1.4	
703.0	0.80	44.50	702.9	5.0	7.4	0.20	-0.05	-12.96	-8.7	-1.8	
795.0	0.70	14.70	794.9	6.0	8.0	0.43	-0.11	-32.39	-7.8	-6.2	
985.0	0.50	20.50	984.9	7.9	8.6	0.11	-0.11	3.05	-10.4	-5.2	
1,176.0	1.00	51.00	1,175.9	9.7	10.1	0.33	0.26	15.97	-14.0	1.2	
1,267.0	1.00	51.70	1,266.9	10.7	11.4	0.01	0.00	0.77	-15.6	1.4	
1,362.0	0.90	39.10	1,361.9	11.8	12.5	0.24	-0.11	-13.26	-17.0	-2.3	
1,457.0	0.80	14.50	1,456.9	13.0	13.1	0.39	-0.11	-25.89	-15.9	-9.5	
1,648.0	2.10	337.90	1,647.8	17.6	12.2	0.80	0.68	-19.16	-11.7	-17.9	
1,743.0	1.70	342.30	1,742.7	20.5	11.1	0.45	-0.42	4.63	-16.2	-16.8	
1,837.0	1.60	339.40	1,836.7	23.1	10.2	0.14	-0.11	-3.09	-18.0	-17.7	
1,932.0	1.50	337.00	1,931.7	25.5	9.2	0.13	-0.11	-2.53	-19.8	-18.4	
2,028.0	1.50	336.50	2,027.6	27.8	8.2	0.01	0.00	-0.52	-22.2	-18.6	
2,122.0	1.50	335.80	2,121.6	30.0	7.2	0.02	0.00	-0.74	-24.4	-18.9	
2,217.0	1.50	337.30	2,216.6	32.3	6.3	0.04	0.00	1.58	-27.4	-18.2	
2,312.0	1.70	337.50	2,311.5	34.7	5.2	0.21	0.21	0.21	-30.1	-18.1	
2,408.0	2.00	337.20	2,407.5	37.6	4.0	0.31	0.31	-0.31	-33.1	-18.3	
2,503.0	2.20	333.40	2,502.4	40.8	2.6	0.26	0.21	-4.00	-35.3	-20.6	
2,598.0	2.30	330.90	2,597.4	44.1	0.8	0.15	0.11	-2.63	-38.1	-22.2	
2,694.0	2.10	330.90	2,693.3	47.3	-1.0	0.21	-0.21	0.00	-41.8	-22.2	
2,789.0	2.20	336.30	2,788.2	50.5	-2.5	0.24	0.11	5.68	-47.2	-18.0	
2,884.0	2.10	338.70	2,883.1	53.8	-3.9	0.14	-0.11	2.53	-51.5	-15.9	
2,979.0	2.10	341.40	2,978.1	57.0	-5.1	0.10	0.00	2.84	-55.7	-13.4	



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EOG PVA

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 Project: Lea County, NM (NAD 27 NME)
 Site: Dragon 36 State
 Well: #702H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 21 @ 3528.0usft (Nomac 55)
 MD Reference: KB = 21 @ 3528.0usft (Nomac 55)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
3,074.0	1.90	342.30	3,073.0	60.2	-6.1	0.21	-0.21	0.95	-59.2	-12.5	
3,169.0	1.70	342.50	3,168.0	63.0	-7.0	0.21	-0.21	0.21	-62.2	-12.3	
3,265.0	1.80	344.20	3,263.9	65.8	-7.9	0.12	0.10	1.77	-65.5	-10.4	
3,360.0	1.90	345.70	3,358.9	68.8	-8.7	0.12	0.11	1.58	-68.8	-8.6	
3,455.0	1.80	342.80	3,453.8	71.8	-9.5	0.14	-0.11	-3.05	-71.3	-12.2	
3,550.0	1.50	323.30	3,548.8	74.2	-10.7	0.67	-0.32	-20.53	-65.8	-35.8	
3,645.0	1.50	308.00	3,643.8	75.9	-12.4	0.42	0.00	-16.11	-56.5	-52.2	
3,740.0	1.30	311.40	3,738.7	77.4	-14.2	0.23	-0.21	3.58	-61.8	-48.7	
3,835.0	1.20	302.30	3,833.7	78.7	-15.8	0.23	-0.11	-9.58	-55.4	-58.0	
3,930.0	1.20	303.90	3,928.7	79.7	-17.5	0.04	0.00	1.68	-59.0	-56.4	
4,121.0	1.40	300.70	4,119.6	82.1	-21.2	0.11	0.10	-1.68	-60.1	-59.8	
4,216.0	1.50	304.30	4,214.6	83.3	-23.2	0.14	0.11	3.79	-66.1	-55.8	
4,312.0	1.50	305.60	4,310.6	84.8	-25.2	0.04	0.00	1.35	-69.9	-54.3	
4,407.0	1.50	319.40	4,405.5	86.5	-27.1	0.38	0.00	14.53	-83.3	-35.7	
4,502.0	1.30	355.50	4,500.5	88.5	-28.0	0.93	-0.21	38.00	-90.4	20.9	
4,597.0	1.20	38.10	4,595.5	90.3	-27.4	0.96	-0.11	44.84	-54.1	77.3	
4,692.0	0.90	27.10	4,690.5	91.8	-26.5	0.38	-0.32	-11.58	-69.6	65.4	
4,787.0	1.50	3.80	4,785.5	93.7	-26.1	0.80	0.63	-24.53	-91.7	32.2	
4,882.0	1.60	17.00	4,880.4	96.2	-25.6	0.39	0.11	13.89	-84.5	52.6	
4,977.0	2.00	4.00	4,975.4	99.1	-25.1	0.60	0.42	-13.68	-97.1	32.0	
5,072.0	3.20	331.50	5,070.3	103.1	-26.2	1.95	1.26	-34.21	-103.1	-26.2	
5,167.0	3.10	326.80	5,165.1	107.6	-28.9	0.29	-0.11	-4.95	-105.8	-34.8	
5,262.0	3.30	323.80	5,260.0	111.9	-31.9	0.27	0.21	-3.16	-109.2	-40.4	
5,357.0	4.80	322.50	5,354.8	117.3	-36.0	1.58	1.58	-1.37	-114.9	-43.0	
5,547.0	5.90	320.40	5,543.9	131.1	-47.0	0.59	0.58	-1.11	-130.9	-47.6	
5,642.0	5.60	318.90	5,638.4	138.4	-53.2	0.35	-0.32	-1.58	-139.2	-51.1	
5,728.0	5.40	319.90	5,724.1	144.6	-58.5	0.26	-0.23	1.16	-148.3	-48.6	



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Design:	OH	Database:	EDM 5000.1 Single User Db

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5,760.0	5.60	322.50	5,755.9	147.0	-60.5	1.00	0.62	8.12	-153.4	-41.7	
5,791.0	5.60	323.30	5,786.8	149.4	-62.3	0.25	0.00	2.58	-157.0	-39.5	
5,823.0	5.80	323.10	5,818.6	152.0	-64.2	0.63	0.62	-0.62	-160.0	-40.1	
5,855.0	6.10	324.70	5,850.4	154.7	-66.2	1.07	0.94	5.00	-164.4	-35.6	
5,887.0	6.20	325.30	5,882.2	157.5	-68.1	0.37	0.31	1.87	-168.2	-33.8	
5,918.0	6.60	325.20	5,913.1	160.3	-70.1	1.29	1.29	-0.32	-171.6	-34.2	
5,950.0	6.90	326.00	5,944.8	163.4	-72.2	0.98	0.94	2.50	-175.8	-31.7	
5,981.0	7.30	327.20	5,975.6	166.6	-74.3	1.38	1.29	3.87	-180.3	-28.0	
6,013.0	7.60	327.60	6,007.3	170.1	-76.6	0.95	0.94	1.25	-184.6	-26.7	
6,108.0	8.00	328.20	6,101.4	181.0	-83.4	0.43	0.42	0.63	-197.8	-24.7	
6,203.0	7.50	327.50	6,195.6	191.9	-90.2	0.54	-0.53	-0.74	-210.3	-27.2	
6,298.0	7.80	327.30	6,289.7	202.5	-97.0	0.32	0.32	-0.21	-222.7	-28.0	
6,393.0	8.50	328.30	6,383.8	213.9	-104.2	0.75	0.74	1.05	-235.2	-24.0	
6,488.0	7.80	322.00	6,477.8	225.0	-111.9	1.19	-0.74	-6.63	-241.6	-50.1	
6,583.0	7.10	318.70	6,572.0	234.5	-119.7	0.86	-0.74	-3.47	-246.1	-63.5	
6,679.0	6.20	321.90	6,667.4	243.0	-126.8	1.01	-0.94	3.33	-254.0	-48.6	
6,773.0	6.70	323.30	6,760.8	251.4	-133.2	0.56	0.53	1.49	-257.8	-41.7	
6,868.0	6.60	326.70	6,855.1	260.4	-139.5	0.43	-0.11	3.58	-261.2	-26.0	
6,963.0	7.30	327.10	6,949.4	270.0	-145.8	0.74	0.74	0.42	-261.7	-24.1	
7,058.0	7.50	337.30	7,043.6	280.8	-151.5	1.40	0.21	10.74	-262.6	21.4	
7,154.0	7.40	338.70	7,138.8	292.4	-156.2	0.22	-0.10	1.46	-263.0	25.6	
7,249.0	5.50	333.40	7,233.2	302.1	-160.4	2.09	-2.00	-5.58	-263.4	-0.4	
7,344.0	5.80	331.00	7,327.8	310.4	-164.8	0.40	0.32	-2.53	-260.9	-12.3	
7,439.0	6.70	332.10	7,422.2	319.5	-169.7	0.96	0.95	1.16	-259.9	-8.2	
7,534.0	6.30	329.20	7,516.6	328.9	-175.0	0.54	-0.42	-3.05	-258.4	-21.9	
7,629.0	6.40	328.50	7,611.0	337.9	-180.4	0.13	0.11	-0.74	-257.0	-25.3	
7,724.0	5.70	328.10	7,705.5	346.4	-185.7	0.74	-0.74	-0.42	-255.2	-27.3	



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7,820.0	5.90	324.40	7,801.0	354.5	-191.0	0.44	0.21	-3.85	-251.0	-43.3	
7,915.0	6.20	325.20	7,895.5	362.6	-196.8	0.33	0.32	0.84	-250.0	-39.3	
8,010.0	6.10	321.80	7,989.9	370.8	-202.9	0.40	-0.11	-3.58	-245.9	-53.1	
8,106.0	6.20	316.50	8,085.4	378.6	-209.6	0.60	0.10	-5.52	-238.7	-73.7	
8,201.0	6.60	313.80	8,179.8	386.1	-217.1	0.53	0.42	-2.84	-234.4	-82.3	
8,296.0	5.90	308.60	8,274.2	392.9	-224.8	0.95	-0.74	-5.47	-225.3	-99.8	
8,389.0	5.30	306.80	8,366.8	398.5	-232.0	0.67	-0.65	-1.94	-220.6	-103.0	
8,485.0	4.50	305.50	8,462.4	403.3	-238.6	0.84	-0.83	-1.35	-215.5	-103.8	
8,580.0	4.00	303.80	8,557.1	407.3	-244.4	0.54	-0.53	-1.79	-208.7	-105.6	
8,675.0	3.60	304.40	8,651.9	410.8	-249.6	0.42	-0.42	0.63	-205.4	-98.9	
8,770.0	3.30	305.90	8,746.8	414.1	-254.3	0.33	-0.32	1.58	-202.8	-89.3	
8,865.0	3.00	306.50	8,841.6	417.2	-258.5	0.32	-0.32	0.63	-198.1	-83.0	
8,960.0	2.80	308.20	8,936.5	420.1	-262.3	0.23	-0.21	1.79	-194.3	-73.3	
9,055.0	2.60	306.60	9,031.4	422.8	-265.9	0.22	-0.21	-1.68	-185.8	-74.7	
9,151.0	2.30	304.10	9,127.3	425.2	-269.2	0.33	-0.31	-2.60	-175.7	-78.2	
9,246.0	2.30	301.90	9,222.2	427.3	-272.4	0.09	0.00	-2.32	-165.9	-79.9	
9,341.0	2.10	299.60	9,317.2	429.2	-275.5	0.23	-0.21	-2.42	-156.0	-81.2	
9,435.0	1.90	296.20	9,411.1	430.7	-278.4	0.25	-0.21	-3.62	-144.3	-84.5	
9,530.0	1.90	291.30	9,506.0	432.0	-281.3	0.17	0.00	-5.16	-130.3	-89.9	
9,625.0	2.00	283.60	9,601.0	432.9	-284.4	0.29	0.11	-8.11	-111.2	-99.7	
9,720.0	2.10	285.00	9,695.9	433.8	-287.7	0.12	0.11	1.47	-107.3	-90.4	
9,814.0	2.00	283.80	9,789.9	434.6	-291.0	0.12	-0.11	-1.28	-99.4	-86.1	
9,910.0	2.10	282.10	9,885.8	435.4	-294.3	0.12	0.10	-1.77	-90.9	-82.0	
10,005.0	1.90	287.10	9,980.8	436.2	-297.5	0.28	-0.21	5.26	-91.1	-67.5	
10,100.0	1.50	296.70	10,075.7	437.2	-300.1	0.52	-0.42	10.11	-93.1	-46.8	
10,194.0	1.40	288.60	10,169.7	438.1	-302.3	0.24	-0.11	-8.62	-78.0	-53.8	
10,289.0	1.20	276.70	10,264.7	438.6	-304.4	0.35	-0.21	-12.53	-58.8	-61.2	



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10,383.0	1.50	284.10	10,358.6	439.0	-306.6	0.37	0.32	7.87	-59.0	-46.5
10,478.0	1.70	272.30	10,453.6	439.4	-309.2	0.40	0.21	-12.42	-42.9	-49.3
10,654.0	1.40	294.70	10,629.5	440.4	-313.7	0.38	-0.17	12.73	-43.4	-19.5
10,749.0	3.50	315.90	10,724.4	443.0	-316.8	2.37	2.21	22.32	-39.9	-1.5
10,844.0	3.00	311.70	10,819.3	446.7	-320.7	0.58	-0.53	-4.42	-33.6	-3.1
10,939.0	5.20	312.00	10,914.0	451.3	-325.7	2.32	2.32	0.32	-28.9	-1.6
11,034.0	6.80	322.80	11,008.5	458.6	-332.3	2.05	1.68	11.37	-26.9	3.9
11,129.0	6.60	321.20	11,102.9	467.3	-339.2	0.29	-0.21	-1.68	-26.5	2.5
11,224.0	6.50	318.00	11,197.2	475.6	-346.2	0.40	-0.11	-3.37	-25.9	0.9
11,320.0	6.30	316.60	11,292.7	483.5	-353.4	0.26	-0.21	-1.46	-24.9	0.6
11,415.0	5.60	315.30	11,387.1	490.5	-360.3	0.75	-0.74	-1.37	-23.2	0.7
11,510.0	5.30	312.90	11,481.7	496.8	-366.8	0.40	-0.32	-2.53	-20.6	0.8
11,605.0	5.00	310.30	11,576.3	502.5	-373.1	0.40	-0.32	-2.74	-17.7	1.4
11,700.0	4.80	306.10	11,671.0	507.5	-379.5	0.43	-0.21	-4.42	-14.6	2.4
11,796.0	4.10	307.00	11,766.7	511.9	-385.5	0.73	-0.73	0.94	-10.5	5.1
11,891.0	3.60	303.60	11,861.5	515.6	-390.7	0.58	-0.53	-3.58	-5.9	7.3
11,912.0	3.50	302.90	11,882.4	516.3	-391.8	0.52	-0.48	-3.33	-4.9	7.9
11,968.0	3.90	294.90	11,938.3	518.1	-394.9	1.16	0.71	-14.29	-3.3	9.7
12,015.0	9.30	264.70	11,985.0	518.4	-400.2	13.28	11.49	-64.26	-9.4	9.7
12,063.0	14.80	253.60	12,031.9	516.3	-409.9	12.38	11.46	-23.12	-17.1	7.0
12,110.0	16.90	235.90	12,077.2	510.8	-421.3	11.16	4.47	-37.66	-24.8	-3.2
12,158.0	19.60	214.10	12,122.8	500.2	-431.6	15.19	5.62	-45.42	-25.6	-17.8
12,205.0	21.60	199.30	12,166.8	485.5	-438.9	11.83	4.26	-31.49	-21.5	-27.4
12,253.0	24.40	182.80	12,211.1	467.2	-442.3	14.59	5.83	-34.37	-11.8	-32.2
12,300.0	29.40	176.20	12,253.0	446.0	-442.1	12.38	10.64	-14.04	-6.0	-29.7
12,348.0	34.00	175.00	12,293.8	420.9	-440.1	9.67	9.58	-2.50	-2.4	-24.7
12,396.0	38.50	175.10	12,332.5	392.6	-437.7	9.38	9.37	0.21	1.8	-19.4



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Site:	Dragon 36 State	MD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,443.0	44.80	175.80	12,367.6	361.5	-435.2	13.44	13.40	1.49	5.9	-14.5
12,491.0	50.80	177.20	12,399.8	326.0	-433.0	12.68	12.50	2.92	9.8	-10.4
12,539.0	53.00	178.90	12,429.4	288.2	-431.8	5.36	4.58	3.54	15.1	-7.8
12,585.0	55.60	182.90	12,456.3	250.9	-432.4	9.04	5.65	8.70	22.5	-7.9
12,591.5	56.95	183.13	12,458.9	245.5	-432.7	21.03	20.83	3.48	23.7	-8.1
HL Crossing, MD:12591.5', TVD:12459.9', N/S:245.5', E/W:-432.7', INC:56.95										
12,632.0	65.40	184.40	12,479.4	210.1	-435.0	21.03	20.85	3.15	29.6	-9.8
12,680.0	77.10	184.40	12,494.8	164.9	-438.5	24.37	24.37	0.00	32.4	-12.5
12,751.0	90.60	184.10	12,502.4	94.7	-443.7	19.02	19.01	-0.42	29.2	-17.1
12,782.0	90.40	183.70	12,502.1	63.7	-445.8	1.44	-0.65	-1.29	27.3	-19.2
12,814.0	90.60	183.90	12,501.8	31.8	-447.9	0.88	0.62	0.62	26.5	-21.5
12,877.0	90.90	183.50	12,501.0	-31.1	-452.0	0.79	0.48	-0.63	24.6	-26.0
12,972.0	91.20	181.00	12,499.3	-126.0	-455.7	2.65	0.32	-2.63	21.3	-30.5
13,094.0	89.30	172.80	12,498.7	-247.7	-449.1	6.90	-1.56	-6.72	18.9	-24.7
13,187.0	88.30	176.00	12,500.7	-340.2	-440.1	3.60	-1.08	3.44	19.3	-16.4
13,282.0	90.30	178.10	12,501.9	-435.0	-435.2	3.05	2.11	2.21	18.8	-12.3
13,377.0	89.00	178.70	12,502.4	-530.0	-432.5	1.51	-1.37	0.63	17.8	-10.3
13,472.0	89.00	177.40	12,504.1	-624.9	-429.3	1.37	0.00	-1.37	18.0	-7.8
13,567.0	91.10	180.10	12,504.0	-719.9	-427.2	3.60	2.21	2.84	16.3	-6.5
13,662.0	89.60	179.50	12,503.4	-814.9	-426.9	1.70	-1.58	-0.63	14.2	-6.9
13,756.0	88.70	179.00	12,504.8	-908.9	-425.6	1.10	-0.96	-0.53	14.0	-6.3
13,852.0	89.10	179.30	12,506.7	-1,004.8	-424.2	0.52	0.42	0.31	14.3	-5.6
13,948.0	88.00	177.90	12,509.1	-1,100.8	-421.9	1.85	-1.15	-1.46	15.1	-4.0
14,043.0	88.30	177.90	12,512.2	-1,195.7	-418.4	0.32	0.32	0.00	16.7	-1.2
14,138.0	88.30	178.30	12,515.0	-1,290.6	-415.2	0.42	0.00	0.42	17.9	1.2
14,233.0	91.80	179.20	12,514.9	-1,385.5	-413.2	3.80	3.68	0.95	16.3	2.6
14,328.0	92.30	179.50	12,511.5	-1,480.5	-412.1	0.61	0.53	0.32	11.3	2.9



EOG Resources, Inc.

EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Site:	Dragon 36 State	MD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
14,424.0	88.00	178.80	12,511.2	-1,576.4	-410.7	4.54	-4.48	-0.73	8.8	3.6	
14,519.0	88.10	179.00	12,514.5	-1,671.4	-408.9	0.24	0.11	0.21	9.8	4.7	
14,614.0	89.90	178.90	12,516.1	-1,766.3	-407.1	1.90	1.89	-0.11	9.3	5.7	
14,709.0	89.20	178.90	12,516.9	-1,861.3	-405.3	0.74	-0.74	0.00	7.8	6.8	
14,805.0	88.60	178.60	12,518.7	-1,957.3	-403.2	0.70	-0.62	-0.31	7.4	8.2	
14,900.0	91.40	179.70	12,518.7	-2,052.2	-401.8	3.17	2.95	1.16	5.2	8.8	
14,995.0	91.90	181.70	12,516.0	-2,147.2	-402.9	2.17	0.53	2.11	0.3	6.9	
15,090.0	89.60	181.60	12,514.7	-2,242.1	-405.7	2.42	-2.42	-0.11	-3.2	3.5	
15,185.0	89.30	181.80	12,515.7	-2,337.1	-408.5	0.38	-0.32	0.21	-4.5	-0.1	
15,280.0	87.20	181.20	12,518.6	-2,432.0	-411.0	2.30	-2.21	-0.63	-3.8	-3.3	
15,375.0	88.50	180.30	12,522.1	-2,526.9	-412.2	1.66	1.37	-0.95	-2.4	-5.3	
15,469.0	89.60	179.90	12,523.7	-2,620.9	-412.4	1.25	1.17	-0.43	-3.0	-6.2	
15,565.0	89.20	179.70	12,524.7	-2,716.9	-412.1	0.47	-0.42	-0.21	-4.3	-6.6	
15,660.0	91.10	178.40	12,524.4	-2,811.9	-410.5	2.42	2.00	-1.37	-6.7	-5.7	
15,755.0	91.30	178.30	12,522.4	-2,906.8	-407.7	0.24	0.21	-0.11	-10.9	-3.7	
15,850.0	90.80	177.80	12,520.7	-3,001.8	-404.5	0.74	-0.53	-0.53	-14.8	-1.2	
15,945.0	89.50	178.40	12,520.5	-3,096.7	-401.4	1.51	-1.37	0.63	-16.0	1.2	
16,040.0	88.50	178.10	12,522.1	-3,191.6	-398.5	1.10	-1.05	-0.32	-15.3	3.4	
16,136.0	87.90	177.50	12,525.1	-3,287.5	-394.8	0.88	-0.62	-0.62	-13.2	6.3	
16,230.0	88.40	178.10	12,528.2	-3,381.4	-391.2	0.83	0.53	0.64	-11.1	9.2	
16,325.0	89.80	178.50	12,529.7	-3,476.4	-388.4	1.53	1.47	0.42	-10.5	11.3	
16,420.0	88.40	179.40	12,531.2	-3,571.3	-386.6	1.75	-1.47	0.95	-10.0	12.3	
16,515.0	89.80	181.30	12,532.6	-3,666.3	-387.2	2.48	1.47	2.00	-9.4	11.0	
16,610.0	88.90	180.10	12,533.7	-3,761.3	-388.4	1.58	-0.95	-1.26	-9.3	9.1	
16,706.0	86.10	180.10	12,537.9	-3,857.2	-388.5	2.92	-2.92	0.00	-6.0	8.2	
16,802.0	85.40	179.60	12,545.0	-3,952.9	-388.3	0.90	-0.73	-0.52	0.1	7.7	
16,897.0	89.10	180.80	12,549.6	-4,047.8	-388.6	4.09	3.89	1.26	3.8	6.7	



EOG Resources, Inc.

EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Site:	Dragon 36 State	MD Reference:	KB = 21 @ 3528.0usft (Nomac 55)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
16,992.0	89.00	180.50	12,551.2	-4,142.8	-389.7	0.33	-0.11	-0.32	4.4	4.9	
17,087.0	89.70	182.40	12,552.2	-4,237.7	-392.1	2.13	0.74	2.00	4.6	1.7	
17,182.0	87.40	180.50	12,554.6	-4,332.7	-394.5	3.14	-2.42	-2.00	6.0	-1.4	
Last MWD Survey											
17,222.2	87.40	180.50	12,556.5	-4,372.8	-394.8	0.00	0.00	0.00	7.4	-2.1	
HL Crossing, MD:17222.2', TVD:12556.5', N/S:-4372.8', E/W:-394.8', INC:87.40											
17,346.0	87.40	180.50	12,562.1	-4,496.5	-395.9	0.00	0.00	0.00	25.3	-8.5	
Projection To Bit											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,591.5	12,459.9	245.5	-432.7	HL Crossing, MD:12591.5', TVD:12459.9', N/S:245.5', E/W:-432.7', INC:56.95
17,182.0	12,554.6	-4,332.7	-394.5	Last MWD Survey
17,222.2	12,556.5	-4,372.8	-394.8	HL Crossing, MD:17222.2', TVD:12556.5', N/S:-4372.8', E/W:-394.8', INC:87.40
17,346.0	12,562.1	-4,496.5	-395.9	Projection To Bit

Checked By: _____	Approved By: _____	Date: _____
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