



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Dragon 36 State

#702H

OH

Plan: Plan #1

Standard Planning Report

08 December, 2014

DEC 11 2014



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Dragon 36 State
Well: #702H
Wellbore: OH
Design: Plan #1

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

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

Well	#702H			
Well Position	+N/-S	4,472.0 usft	Northing:	430,002.00 usft
	+E/-W	-1,388.0 usft	Easting:	750,490.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,507.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF201014	12/1/2014	7.13	60.07	48,247

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	185.01

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,531.6	0.32	270.00	4,531.6	0.0	-0.1	1.00	1.00	-284.98	270.00	
6,330.0	0.32	270.00	6,330.0	0.0	-10.0	0.00	0.00	0.00	0.00	
7,011.8	7.00	324.18	7,010.0	33.7	-36.2	1.00	0.98	7.95	56.33	
12,015.5	7.00	324.18	11,976.4	528.0	-392.9	0.00	0.00	0.00	0.00	
12,813.0	90.00	179.56	12,500.0	52.7	-426.5	12.00	10.41	-18.13	-144.42	
17,338.8	90.00	179.56	12,500.0	-4,473.0	-392.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Stat



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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,531.6	0.32	270.00	4,531.6	0.0	-0.1	0.0	1.00	1.00	0.00
4,600.0	0.32	270.00	4,600.0	0.0	-0.5	0.0	0.00	0.00	0.00
4,700.0	0.32	270.00	4,700.0	0.0	-1.0	0.1	0.00	0.00	0.00
4,800.0	0.32	270.00	4,800.0	0.0	-1.6	0.1	0.00	0.00	0.00
4,900.0	0.32	270.00	4,900.0	0.0	-2.1	0.2	0.00	0.00	0.00
5,000.0	0.32	270.00	5,000.0	0.0	-2.7	0.2	0.00	0.00	0.00
5,100.0	0.32	270.00	5,100.0	0.0	-3.2	0.3	0.00	0.00	0.00
5,200.0	0.32	270.00	5,200.0	0.0	-3.8	0.3	0.00	0.00	0.00



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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	0.32	270.00	5,300.0	0.0	-4.3	0.4	0.00	0.00	0.00
5,400.0	0.32	270.00	5,400.0	0.0	-4.9	0.4	0.00	0.00	0.00
5,500.0	0.32	270.00	5,500.0	0.0	-5.4	0.5	0.00	0.00	0.00
5,600.0	0.32	270.00	5,600.0	0.0	-6.0	0.5	0.00	0.00	0.00
5,700.0	0.32	270.00	5,700.0	0.0	-6.5	0.6	0.00	0.00	0.00
5,800.0	0.32	270.00	5,800.0	0.0	-7.1	0.6	0.00	0.00	0.00
5,900.0	0.32	270.00	5,900.0	0.0	-7.6	0.7	0.00	0.00	0.00
6,000.0	0.32	270.00	6,000.0	0.0	-8.2	0.7	0.00	0.00	0.00
6,100.0	0.32	270.00	6,100.0	0.0	-8.7	0.8	0.00	0.00	0.00
6,200.0	0.32	270.00	6,200.0	0.0	-9.3	0.8	0.00	0.00	0.00
6,300.0	0.32	270.00	6,300.0	0.0	-9.8	0.9	0.00	0.00	0.00
6,330.0	0.32	270.00	6,330.0	0.0	-10.0	0.9	0.00	0.00	0.00
6,400.0	0.91	309.60	6,400.0	0.4	-10.6	0.6	1.00	0.85	56.60
6,500.0	1.89	318.35	6,499.9	2.1	-12.3	-1.0	1.00	0.98	8.74
6,600.0	2.89	321.11	6,599.8	5.3	-15.0	-4.0	1.00	0.99	2.76
6,700.0	3.88	322.45	6,699.7	9.9	-18.7	-8.3	1.00	1.00	1.34
6,800.0	4.88	323.25	6,799.4	16.0	-23.3	-13.9	1.00	1.00	0.80
6,900.0	5.88	323.77	6,898.9	23.6	-28.8	-21.0	1.00	1.00	0.53
7,000.0	6.88	324.15	6,998.3	32.6	-35.4	-29.3	1.00	1.00	0.37
7,011.8	7.00	324.18	7,010.0	33.7	-36.2	-30.4	1.00	1.00	0.31
7,100.0	7.00	324.18	7,097.6	42.4	-42.5	-38.6	0.00	0.00	0.00
7,200.0	7.00	324.18	7,196.8	52.3	-49.6	-47.8	0.00	0.00	0.00
7,300.0	7.00	324.18	7,296.1	62.2	-56.8	-57.0	0.00	0.00	0.00
7,400.0	7.00	324.18	7,395.3	72.1	-63.9	-66.2	0.00	0.00	0.00
7,500.0	7.00	324.18	7,494.6	81.9	-71.0	-75.4	0.00	0.00	0.00
7,600.0	7.00	324.18	7,593.8	91.8	-78.1	-84.7	0.00	0.00	0.00
7,700.0	7.00	324.18	7,693.1	101.7	-85.3	-93.9	0.00	0.00	0.00
7,800.0	7.00	324.18	7,792.4	111.6	-92.4	-103.1	0.00	0.00	0.00
7,900.0	7.00	324.18	7,891.6	121.5	-99.5	-112.3	0.00	0.00	0.00
8,000.0	7.00	324.18	7,990.9	131.3	-106.7	-121.5	0.00	0.00	0.00
8,100.0	7.00	324.18	8,090.1	141.2	-113.8	-130.7	0.00	0.00	0.00
8,200.0	7.00	324.18	8,189.4	151.1	-120.9	-140.0	0.00	0.00	0.00
8,300.0	7.00	324.18	8,288.6	161.0	-128.1	-149.2	0.00	0.00	0.00
8,400.0	7.00	324.18	8,387.9	170.9	-135.2	-158.4	0.00	0.00	0.00
8,500.0	7.00	324.18	8,487.1	180.7	-142.3	-167.6	0.00	0.00	0.00
8,600.0	7.00	324.18	8,586.4	190.6	-149.4	-176.8	0.00	0.00	0.00
8,700.0	7.00	324.18	8,685.7	200.5	-156.6	-186.1	0.00	0.00	0.00
8,800.0	7.00	324.18	8,784.9	210.4	-163.7	-195.3	0.00	0.00	0.00
8,900.0	7.00	324.18	8,884.2	220.3	-170.8	-204.5	0.00	0.00	0.00
9,000.0	7.00	324.18	8,983.4	230.1	-178.0	-213.7	0.00	0.00	0.00
9,100.0	7.00	324.18	9,082.7	240.0	-185.1	-222.9	0.00	0.00	0.00
9,200.0	7.00	324.18	9,181.9	249.9	-192.2	-232.2	0.00	0.00	0.00
9,300.0	7.00	324.18	9,281.2	259.8	-199.4	-241.4	0.00	0.00	0.00
9,400.0	7.00	324.18	9,380.4	269.7	-206.5	-250.6	0.00	0.00	0.00
9,500.0	7.00	324.18	9,479.7	279.5	-213.6	-259.8	0.00	0.00	0.00
9,600.0	7.00	324.18	9,579.0	289.4	-220.7	-269.0	0.00	0.00	0.00
9,700.0	7.00	324.18	9,678.2	299.3	-227.9	-278.3	0.00	0.00	0.00
9,800.0	7.00	324.18	9,777.5	309.2	-235.0	-287.5	0.00	0.00	0.00
9,900.0	7.00	324.18	9,876.7	319.0	-242.1	-296.7	0.00	0.00	0.00
10,000.0	7.00	324.18	9,976.0	328.9	-249.3	-305.9	0.00	0.00	0.00
10,100.0	7.00	324.18	10,075.2	338.8	-256.4	-315.1	0.00	0.00	0.00
10,200.0	7.00	324.18	10,174.5	348.7	-263.5	-324.3	0.00	0.00	0.00
10,300.0	7.00	324.18	10,273.7	358.6	-270.6	-333.6	0.00	0.00	0.00
10,400.0	7.00	324.18	10,373.0	368.4	-277.8	-342.8	0.00	0.00	0.00



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10,500.0	7.00	324.18	10,472.2	378.3	-284.9	-352.0	0.00	0.00	0.00
10,600.0	7.00	324.18	10,571.5	388.2	-282.0	-361.2	0.00	0.00	0.00
10,700.0	7.00	324.18	10,670.8	398.1	-299.2	-370.4	0.00	0.00	0.00
10,800.0	7.00	324.18	10,770.0	408.0	-306.3	-379.7	0.00	0.00	0.00
10,900.0	7.00	324.18	10,869.3	417.8	-313.4	-388.9	0.00	0.00	0.00
11,000.0	7.00	324.18	10,968.5	427.7	-320.6	-398.1	0.00	0.00	0.00
11,100.0	7.00	324.18	11,067.8	437.6	-327.7	-407.3	0.00	0.00	0.00
11,200.0	7.00	324.18	11,167.0	447.5	-334.8	-416.5	0.00	0.00	0.00
11,300.0	7.00	324.18	11,266.3	457.4	-341.9	-425.8	0.00	0.00	0.00
11,400.0	7.00	324.18	11,365.5	467.2	-349.1	-435.0	0.00	0.00	0.00
11,500.0	7.00	324.18	11,464.8	477.1	-356.2	-444.2	0.00	0.00	0.00
11,600.0	7.00	324.18	11,564.1	487.0	-363.3	-453.4	0.00	0.00	0.00
11,700.0	7.00	324.18	11,663.3	496.9	-370.5	-462.6	0.00	0.00	0.00
11,800.0	7.00	324.18	11,762.6	506.8	-377.6	-471.9	0.00	0.00	0.00
11,900.0	7.00	324.18	11,861.8	516.6	-384.7	-481.1	0.00	0.00	0.00
12,000.0	7.00	324.18	11,961.1	526.5	-391.8	-490.3	0.00	0.00	0.00
12,015.5	7.00	324.18	11,976.4	528.0	-392.9	-491.7	0.00	0.00	0.00
12,025.0	6.10	317.91	11,985.9	528.9	-393.6	-492.5	12.00	-9.38	-65.79
12,050.0	4.35	290.54	12,010.8	530.2	-395.4	-493.7	12.00	-7.01	-109.48
12,075.0	4.31	250.00	12,035.7	530.2	-397.2	-493.5	12.00	-0.16	-162.16
12,100.0	6.02	221.94	12,060.6	528.9	-398.9	-492.1	12.00	6.82	-112.25
12,125.0	8.48	208.05	12,085.4	526.3	-400.7	-489.3	12.00	9.82	-55.56
12,150.0	11.20	200.60	12,110.1	522.4	-402.4	-485.3	12.00	10.89	-29.79
12,175.0	14.03	196.08	12,134.5	517.2	-404.1	-480.0	12.00	11.34	-18.08
12,200.0	16.92	193.07	12,158.5	510.8	-405.8	-473.4	12.00	11.56	-12.05
12,225.0	19.85	190.92	12,182.3	503.1	-407.4	-465.6	12.00	11.69	-8.61
12,250.0	22.79	189.30	12,205.6	494.1	-409.0	-456.5	12.00	11.77	-6.47
12,275.0	25.74	188.04	12,228.3	484.0	-410.5	-446.3	12.00	11.82	-5.05
12,300.0	28.71	187.02	12,250.6	472.6	-412.0	-434.8	12.00	11.85	-4.08
12,325.0	31.68	186.18	12,272.2	460.1	-413.5	-422.3	12.00	11.88	-3.37
12,350.0	34.65	185.46	12,293.1	446.5	-414.8	-408.6	12.00	11.90	-2.85
12,375.0	37.63	184.85	12,313.3	431.8	-416.2	-393.9	12.00	11.91	-2.45
12,400.0	40.61	184.32	12,332.7	416.1	-417.4	-378.1	12.00	11.92	-2.14
12,425.0	43.59	183.84	12,351.2	399.4	-418.6	-361.3	12.00	11.93	-1.89
12,450.0	46.58	183.42	12,368.9	381.7	-419.7	-343.6	12.00	11.94	-1.70
12,475.0	49.57	183.03	12,385.6	363.2	-420.8	-325.1	12.00	11.95	-1.54
12,500.0	52.55	182.68	12,401.3	343.8	-421.7	-305.6	12.00	11.95	-1.41
12,525.0	55.54	182.36	12,416.0	323.5	-422.6	-285.4	12.00	11.95	-1.30
12,550.0	58.53	182.06	12,429.6	302.6	-423.4	-264.5	12.00	11.96	-1.21
12,575.0	61.52	181.77	12,442.1	280.9	-424.2	-242.8	12.00	11.96	-1.13
12,600.0	64.51	181.50	12,453.4	258.7	-424.8	-220.6	12.00	11.96	-1.07
12,625.0	67.50	181.25	12,463.6	235.8	-425.3	-197.8	12.00	11.96	-1.02
12,629.6	68.05	181.20	12,465.3	231.6	-425.4	-193.6	12.00	11.96	-0.99
FTP(Dragon 36 State #702H)									
12,650.0	70.49	181.01	12,472.5	212.5	-425.8	-174.5	12.00	11.97	-0.97
12,675.0	73.49	180.77	12,480.3	188.7	-426.2	-150.8	12.00	11.97	-0.94
12,700.0	76.48	180.54	12,486.7	164.6	-426.4	-126.7	12.00	11.97	-0.91
12,725.0	79.47	180.32	12,491.9	140.1	-426.6	-102.4	12.00	11.97	-0.89
12,750.0	82.46	180.10	12,495.9	115.5	-426.7	-77.8	12.00	11.97	-0.87
12,775.0	85.45	179.89	12,498.5	90.6	-426.7	-53.0	12.00	11.97	-0.86
12,800.0	88.45	179.67	12,499.8	65.6	-426.6	-28.1	12.00	11.97	-0.85
12,813.0	90.00	179.56	12,500.0	52.7	-426.5	-15.2	12.00	11.97	-0.85
12,900.0	90.00	179.56	12,500.0	-34.4	-425.9	71.4	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Dragon 36 State
Well: #702H
Wellbore: OH
Design: Plan #1

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

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.0	90.00	179.56	12,500.0	-134.3	-425.1	170.9	0.00	0.00	0.00
13,100.0	90.00	179.56	12,500.0	-234.3	-424.3	270.5	0.00	0.00	0.00
13,200.0	90.00	179.56	12,500.0	-334.3	-423.6	370.0	0.00	0.00	0.00
13,300.0	90.00	179.56	12,500.0	-434.3	-422.8	469.6	0.00	0.00	0.00
13,400.0	90.00	179.56	12,500.0	-534.3	-422.1	569.1	0.00	0.00	0.00
13,500.0	90.00	179.56	12,500.0	-634.3	-421.3	668.7	0.00	0.00	0.00
13,600.0	90.00	179.56	12,500.0	-734.3	-420.5	768.2	0.00	0.00	0.00
13,700.0	90.00	179.56	12,500.0	-834.3	-419.8	867.8	0.00	0.00	0.00
13,800.0	90.00	179.56	12,500.0	-934.3	-419.0	967.3	0.00	0.00	0.00
13,900.0	90.00	179.56	12,500.0	-1,034.3	-418.2	1,066.9	0.00	0.00	0.00
14,000.0	90.00	179.56	12,500.0	-1,134.3	-417.5	1,166.4	0.00	0.00	0.00
14,100.0	90.00	179.56	12,500.0	-1,234.3	-416.7	1,266.0	0.00	0.00	0.00
14,200.0	90.00	179.56	12,500.0	-1,334.3	-415.9	1,365.5	0.00	0.00	0.00
14,300.0	90.00	179.56	12,500.0	-1,434.3	-415.2	1,465.1	0.00	0.00	0.00
14,400.0	90.00	179.56	12,500.0	-1,534.3	-414.4	1,564.6	0.00	0.00	0.00
14,500.0	90.00	179.56	12,500.0	-1,634.3	-413.7	1,664.2	0.00	0.00	0.00
14,600.0	90.00	179.56	12,500.0	-1,734.3	-412.9	1,763.7	0.00	0.00	0.00
14,700.0	90.00	179.56	12,500.0	-1,834.3	-412.1	1,863.3	0.00	0.00	0.00
14,800.0	90.00	179.56	12,500.0	-1,934.3	-411.4	1,962.8	0.00	0.00	0.00
14,900.0	90.00	179.56	12,500.0	-2,034.3	-410.6	2,062.4	0.00	0.00	0.00
15,000.0	90.00	179.56	12,500.0	-2,134.3	-409.8	2,161.9	0.00	0.00	0.00
15,100.0	90.00	179.56	12,500.0	-2,234.3	-409.1	2,261.5	0.00	0.00	0.00
15,200.0	90.00	179.56	12,500.0	-2,334.3	-408.3	2,361.0	0.00	0.00	0.00
15,300.0	90.00	179.56	12,500.0	-2,434.3	-407.6	2,460.6	0.00	0.00	0.00
15,400.0	90.00	179.56	12,500.0	-2,534.3	-406.8	2,560.1	0.00	0.00	0.00
15,500.0	90.00	179.56	12,500.0	-2,634.3	-406.0	2,659.7	0.00	0.00	0.00
15,600.0	90.00	179.56	12,500.0	-2,734.3	-405.3	2,759.2	0.00	0.00	0.00
15,700.0	90.00	179.56	12,500.0	-2,834.3	-404.5	2,858.8	0.00	0.00	0.00
15,800.0	90.00	179.56	12,500.0	-2,934.3	-403.7	2,958.3	0.00	0.00	0.00
15,900.0	90.00	179.56	12,500.0	-3,034.3	-403.0	3,057.9	0.00	0.00	0.00
16,000.0	90.00	179.56	12,500.0	-3,134.3	-402.2	3,157.4	0.00	0.00	0.00
16,100.0	90.00	179.56	12,500.0	-3,234.3	-401.5	3,257.0	0.00	0.00	0.00
16,200.0	90.00	179.56	12,500.0	-3,334.3	-400.7	3,356.5	0.00	0.00	0.00
16,300.0	90.00	179.56	12,500.0	-3,434.3	-399.9	3,456.1	0.00	0.00	0.00
16,400.0	90.00	179.56	12,500.0	-3,534.3	-399.2	3,555.6	0.00	0.00	0.00
16,500.0	90.00	179.56	12,500.0	-3,634.2	-398.4	3,655.2	0.00	0.00	0.00
16,600.0	90.00	179.56	12,500.0	-3,734.2	-397.6	3,754.7	0.00	0.00	0.00
16,700.0	90.00	179.56	12,500.0	-3,834.2	-396.9	3,854.3	0.00	0.00	0.00
16,800.0	90.00	179.56	12,500.0	-3,934.2	-396.1	3,953.8	0.00	0.00	0.00
16,900.0	90.00	179.56	12,500.0	-4,034.2	-395.3	4,053.3	0.00	0.00	0.00
17,000.0	90.00	179.56	12,500.0	-4,134.2	-394.6	4,152.9	0.00	0.00	0.00
17,100.0	90.00	179.56	12,500.0	-4,234.2	-393.8	4,252.4	0.00	0.00	0.00
17,200.0	90.00	179.56	12,500.0	-4,334.2	-393.1	4,352.0	0.00	0.00	0.00
17,300.0	90.00	179.56	12,500.0	-4,434.2	-392.3	4,451.5	0.00	0.00	0.00
17,338.8	90.00	179.56	12,500.0	-4,473.0	-392.0	4,490.1	0.00	0.00	0.00

PBHL(Dragon 36 State #702H)



EOG Resources, Inc.

Planning Report

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Wellbore: OH
Design: Plan #1

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

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PBHL(Dragon 36 State #	90.00	179.56	12,500.0	-4,473.0	-392.0	425,529.00	750,088.00	32° 10' 2.332 N	103° 31' 30.332 W
- plan hits target center									
- Rectangle (sides W50.0 H0.0 D4,718.1)									
FTP(Dragon 36 State #7	0.00	0.00	12,500.0	245.0	-428.0	430,247.00	750,062.00	32° 10' 49.021 N	103° 31' 30.339 W
- plan misses target center by 37.3usft at 12629.6usft MD (12465.3 TVD, 231.6 N, -425.4 E)									
- Point									

EOG RESOURCES, INC.
DRAGON 36 STATE #702H

Hydrogen Sulfide Plan Summary

- A. All personnel shall receive proper H₂S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:
 - Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator
 - Protective equipment for essential personnel.

Breathing apparatus:

 - a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
 - b. Work/Escape packs — 4 packs shall be stored on the rig floor th sufficient air hose not to restrict work activity.
 - c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

 - a. Stretcher
 - b. Two OSHA full body harness
 - c. 100 ft 5/8 inch OSHA approved rope
 - d. 1-20# class ABC fire extinguisher
 - H₂S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)
 - Visual warning systems.
 - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - c. Two wind socks will be placed in strategic locations, visible from all angles.

EOG RESOURCES, INC.
DRAGON 36 STATE #702H

- **Mud program:**
The mud program has been designed to minimize the volume of H₂S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H₂S bearing zones.
- **Metallurgy:**
All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- **Communication:**
Communication will be via cell phones and land lines where available.

**EOG RESOURCES, INC.
DRAGON 36 STATE #702H**

Emergency Assistance Telephone List

PUBLIC SAFETY: **911 or**

Lea County Sheriff's Department (575) 396-3611

Rod Coffman

Fire Department:

Carlsbad (575) 885-3125

Artesia (575) 746-5050

Hospitals:

Carlsbad (575) 887-4121

Artesia (575) 748-3333

Hobbs (575) 392-1979

Dept. of Public Safety/Carlsbad (575) 748-9718

Highway Department (575) 885-3281

New Mexico Oil Conservation (575) 476-3440

U.S. Dept. of Labor (575) 887-1174

EOG Resources, Inc.

EOG / Midland Office (432) 686-3600

Company Drilling Consultants:

Jett Dueitt Cell (432) 230-4840

Blake Burney

Drilling Engineer

Robert Brosig Office (432) 686-3737

Cell (432) 770-0705

Drilling Manager

Lee Lohoefer Office (432) 686-6716

Cell (817) 374-9686

Drilling Superintendent

Jason Richey Office (432) 686-3665

Cell (817) 879-6521

H&P Drilling

H&P Drilling Office (432) 563-5757

H&P 415 Drilling Rig Rig (432) 230-4840

Tool Pusher:

Johnathan Craig Cell (817) 760-6374

Brad Garrett

Safety

Reggie Phillips (HSE Manager) Office (432) 686-3747

Cell (432) 250-7507