



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Calm Breeze 2Fed Com

#701H

OH

Plan: Plan #0.1

Standard Planning Report

02 August, 2016

HOBBS OCD
FEB 27 2017
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EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Calm Breeze 2Fed Com
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #701H
KB = 25 @ 3349.0usft
KB = 25 @ 3349.0usft
Grid
Minimum Curvature

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

Site: Calm Breeze 2Fed Com
Site Position: Northing: 390,631.00 usft Latitude: 32° 4' 17.455 N
From: Map Easting: 743,823.00 usft Longitude: 103° 32' 46.296 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.42 °

Well: #701H
Well Position: +N/-S 0.0 usft Northing: 390,631.00 usft Latitude: 32° 4' 17.455 N
+E/-W 0.0 usft Easting: 743,823.00 usft Longitude: 103° 32' 46.296 W
Position Uncertainty: 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,324.0 usft

Wellbore: OH
Magnetics: Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
IGRF2015 8/2/2016 7.03 59.94 47,940

Design: Plan #0.1
Audit Notes:
Version: Phase: PLAN Tie On Depth: 3,349.0
Vertical Section: Depth From (TVD) (usft) +N/-S (usft) +E/-W (usft) Direction (°)
0.0 0.0 0.0 173.66

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	
4,549.0	0.00	0.00	4,549.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,596.3	6.28	70.35	5,594.2	19.3	54.0	0.60	0.60	0.00	70.35	
12,042.5	6.28	70.35	12,001.6	256.6	718.5	0.00	0.00	0.00	0.00	
12,724.4	90.00	179.58	12,439.0	-167.2	767.1	13.50	12.28	16.02	109.12	
19,932.4	90.00	179.58	12,439.0	-7,375.0	820.0	0.00	0.00	0.00	0.00	PBHL(CB 2FC #701H)



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Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25 @ 3349.0usft
 MD Reference: KB = 25 @ 3349.0usft
 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)
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
4,549.0	0.00	0.00	4,549.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.31	70.35	4,600.0	0.0	0.1	0.0	0.60	0.60	0.00
4,700.0	0.91	70.35	4,700.0	0.4	1.1	-0.3	0.60	0.60	0.00
4,800.0	1.51	70.35	4,800.0	1.1	3.1	-0.8	0.60	0.60	0.00
4,900.0	2.11	70.35	4,899.9	2.2	6.1	-1.5	0.60	0.60	0.00
5,000.0	2.71	70.35	4,999.8	3.6	10.0	-2.5	0.60	0.60	0.00
5,100.0	3.31	70.35	5,099.7	5.3	15.0	-3.7	0.60	0.60	0.00
5,200.0	3.91	70.35	5,199.5	7.5	20.9	-5.1	0.60	0.60	0.00



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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)
5,300.0	4.51	70.35	5,299.2	9.9	27.8	-6.8	0.60	0.60	0.00
5,400.0	5.11	70.35	5,398.9	12.7	35.7	-8.7	0.60	0.60	0.00
5,500.0	5.71	70.35	5,498.4	15.9	44.6	-10.9	0.60	0.60	0.00
5,596.3	6.28	70.35	5,594.2	19.3	54.0	-13.2	0.60	0.60	0.00
5,600.0	6.28	70.35	5,597.9	19.4	54.4	-13.3	0.00	0.00	0.00
5,700.0	6.28	70.35	5,697.3	23.1	64.7	-15.8	0.00	0.00	0.00
5,800.0	6.28	70.35	5,796.7	26.8	75.0	-18.3	0.00	0.00	0.00
5,900.0	6.28	70.35	5,896.1	30.5	85.3	-20.9	0.00	0.00	0.00
6,000.0	6.28	70.35	5,995.5	34.2	95.6	-23.4	0.00	0.00	0.00
6,100.0	6.28	70.35	6,094.9	37.8	106.0	-25.9	0.00	0.00	0.00
6,200.0	6.28	70.35	6,194.3	41.5	116.3	-28.4	0.00	0.00	0.00
6,300.0	6.28	70.35	6,293.7	45.2	126.6	-30.9	0.00	0.00	0.00
6,400.0	6.28	70.35	6,393.1	48.9	136.9	-33.5	0.00	0.00	0.00
6,500.0	6.28	70.35	6,492.5	52.6	147.2	-36.0	0.00	0.00	0.00
6,600.0	6.28	70.35	6,591.9	56.2	157.5	-38.5	0.00	0.00	0.00
6,700.0	6.28	70.35	6,691.3	59.9	167.8	-41.0	0.00	0.00	0.00
6,800.0	6.28	70.35	6,790.7	63.6	178.1	-43.5	0.00	0.00	0.00
6,900.0	6.28	70.35	6,890.1	67.3	188.4	-46.1	0.00	0.00	0.00
7,000.0	6.28	70.35	6,989.5	71.0	198.7	-48.6	0.00	0.00	0.00
7,100.0	6.28	70.35	7,088.9	74.7	209.0	-51.1	0.00	0.00	0.00
7,200.0	6.28	70.35	7,188.3	78.3	219.3	-53.6	0.00	0.00	0.00
7,300.0	6.28	70.35	7,287.7	82.0	229.7	-56.1	0.00	0.00	0.00
7,400.0	6.28	70.35	7,387.1	85.7	240.0	-58.7	0.00	0.00	0.00
7,500.0	6.28	70.35	7,486.5	89.4	250.3	-61.2	0.00	0.00	0.00
7,600.0	6.28	70.35	7,585.9	93.1	260.6	-63.7	0.00	0.00	0.00
7,700.0	6.28	70.35	7,685.3	96.7	270.9	-66.2	0.00	0.00	0.00
7,800.0	6.28	70.35	7,784.7	100.4	281.2	-68.7	0.00	0.00	0.00
7,900.0	6.28	70.35	7,884.1	104.1	291.5	-71.3	0.00	0.00	0.00
8,000.0	6.28	70.35	7,983.5	107.8	301.8	-73.8	0.00	0.00	0.00
8,100.0	6.28	70.35	8,082.9	111.5	312.1	-76.3	0.00	0.00	0.00
8,200.0	6.28	70.35	8,182.3	115.1	322.4	-78.8	0.00	0.00	0.00
8,300.0	6.28	70.35	8,281.7	118.8	332.7	-81.3	0.00	0.00	0.00
8,400.0	6.28	70.35	8,381.1	122.5	343.0	-83.8	0.00	0.00	0.00
8,500.0	6.28	70.35	8,480.5	126.2	353.4	-86.4	0.00	0.00	0.00
8,600.0	6.28	70.35	8,579.9	129.9	363.7	-88.9	0.00	0.00	0.00
8,700.0	6.28	70.35	8,679.3	133.6	374.0	-91.4	0.00	0.00	0.00
8,800.0	6.28	70.35	8,778.7	137.2	384.3	-93.9	0.00	0.00	0.00
8,900.0	6.28	70.35	8,878.1	140.9	394.6	-96.4	0.00	0.00	0.00
9,000.0	6.28	70.35	8,977.5	144.6	404.9	-99.0	0.00	0.00	0.00
9,100.0	6.28	70.35	9,076.8	148.3	415.2	-101.5	0.00	0.00	0.00
9,200.0	6.28	70.35	9,176.2	152.0	425.5	-104.0	0.00	0.00	0.00
9,300.0	6.28	70.35	9,275.6	155.6	435.8	-106.5	0.00	0.00	0.00
9,400.0	6.28	70.35	9,375.0	159.3	446.1	-109.0	0.00	0.00	0.00
9,500.0	6.28	70.35	9,474.4	163.0	456.4	-111.6	0.00	0.00	0.00
9,600.0	6.28	70.35	9,573.8	166.7	466.7	-114.1	0.00	0.00	0.00
9,700.0	6.28	70.35	9,673.2	170.4	477.0	-116.6	0.00	0.00	0.00
9,800.0	6.28	70.35	9,772.6	174.0	487.4	-119.1	0.00	0.00	0.00
9,900.0	6.28	70.35	9,872.0	177.7	497.7	-121.6	0.00	0.00	0.00
10,000.0	6.28	70.35	9,971.4	181.4	508.0	-124.2	0.00	0.00	0.00
10,100.0	6.28	70.35	10,070.8	185.1	518.3	-126.7	0.00	0.00	0.00
10,200.0	6.28	70.35	10,170.2	188.8	528.6	-129.2	0.00	0.00	0.00
10,300.0	6.28	70.35	10,269.6	192.5	538.9	-131.7	0.00	0.00	0.00
10,400.0	6.28	70.35	10,369.0	196.1	549.2	-134.2	0.00	0.00	0.00
10,500.0	6.28	70.35	10,468.4	199.8	559.5	-136.8	0.00	0.00	0.00



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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)
10,600.0	6.28	70.35	10,567.8	203.5	569.8	-139.3	0.00	0.00	0.00
10,700.0	6.28	70.35	10,667.2	207.2	580.1	-141.8	0.00	0.00	0.00
10,800.0	6.28	70.35	10,766.6	210.9	590.4	-144.3	0.00	0.00	0.00
10,900.0	6.28	70.35	10,866.0	214.5	600.7	-146.8	0.00	0.00	0.00
11,000.0	6.28	70.35	10,965.4	218.2	611.1	-149.4	0.00	0.00	0.00
11,100.0	6.28	70.35	11,064.8	221.9	621.4	-151.9	0.00	0.00	0.00
11,200.0	6.28	70.35	11,164.2	225.6	631.7	-154.4	0.00	0.00	0.00
11,300.0	6.28	70.35	11,263.6	229.3	642.0	-156.9	0.00	0.00	0.00
11,400.0	6.28	70.35	11,363.0	232.9	652.3	-159.4	0.00	0.00	0.00
11,500.0	6.28	70.35	11,462.4	236.6	662.6	-162.0	0.00	0.00	0.00
11,600.0	6.28	70.35	11,561.8	240.3	672.9	-164.5	0.00	0.00	0.00
11,700.0	6.28	70.35	11,661.2	244.0	683.2	-167.0	0.00	0.00	0.00
11,800.0	6.28	70.35	11,760.6	247.7	693.5	-169.5	0.00	0.00	0.00
11,900.0	6.28	70.35	11,860.0	251.4	703.8	-172.0	0.00	0.00	0.00
12,000.0	6.28	70.35	11,959.4	255.0	714.1	-174.6	0.00	0.00	0.00
12,042.5	6.28	70.35	12,001.6	256.6	718.5	-175.6	0.00	0.00	0.00
12,050.0	6.03	79.53	12,009.1	256.8	719.3	-175.7	13.50	-3.40	121.98
12,075.0	6.37	111.01	12,034.0	256.5	721.9	-175.2	13.50	1.38	125.94
12,100.0	8.22	133.56	12,058.8	254.8	724.5	-173.2	13.50	7.40	90.20
12,125.0	10.83	146.66	12,083.4	251.6	727.1	-169.7	13.50	10.43	52.38
12,150.0	13.77	154.48	12,107.9	247.0	729.6	-164.8	13.50	11.77	31.29
12,175.0	16.87	159.53	12,132.0	240.9	732.2	-158.5	13.50	12.41	20.22
12,200.0	20.06	163.04	12,155.7	233.4	734.7	-150.8	13.50	12.75	14.02
12,225.0	23.30	165.61	12,178.9	224.5	737.2	-141.7	13.50	12.96	10.29
12,250.0	26.57	167.58	12,201.6	214.2	739.6	-131.2	13.50	13.09	7.89
12,275.0	29.87	169.15	12,223.6	202.7	742.0	-119.4	13.50	13.17	6.26
12,300.0	33.18	170.43	12,244.9	189.8	744.3	-106.4	13.50	13.23	5.12
12,325.0	36.49	171.50	12,265.4	175.7	746.5	-92.1	13.50	13.28	4.29
12,350.0	39.82	172.42	12,285.1	160.4	748.7	-76.7	13.50	13.31	3.66
12,375.0	43.16	173.21	12,303.8	144.0	750.8	-60.1	13.50	13.33	3.19
12,400.0	46.49	173.92	12,321.5	126.5	752.7	-42.5	13.50	13.35	2.81
12,425.0	49.84	174.55	12,338.2	107.9	754.6	-23.9	13.50	13.37	2.52
12,450.0	53.18	175.12	12,353.8	88.4	756.4	-4.3	13.50	13.38	2.28
12,475.0	56.53	175.64	12,368.2	68.1	758.0	16.1	13.50	13.39	2.09
12,500.0	59.88	176.12	12,381.3	46.9	759.5	37.3	13.50	13.40	1.93
12,525.0	63.23	176.57	12,393.2	24.9	760.9	59.3	13.50	13.41	1.81
12,550.0	66.58	177.00	12,403.8	2.3	762.2	81.9	13.50	13.41	1.70
12,575.0	69.94	177.40	12,413.1	-20.8	763.3	105.1	13.50	13.42	1.62
12,579.6	70.56	177.48	12,414.7	-25.2	763.5	109.4	13.50	13.42	1.58
FTP(CB 2FC #701H)									
12,600.0	73.29	177.79	12,421.0	-44.5	764.3	128.7	13.50	13.42	1.55
12,625.0	76.65	178.17	12,427.5	-68.7	765.2	152.8	13.50	13.42	1.50
12,650.0	80.00	178.53	12,432.5	-93.1	765.9	177.2	13.50	13.42	1.46
12,675.0	83.36	178.89	12,436.1	-117.9	766.4	201.8	13.50	13.43	1.43
12,700.0	86.72	179.24	12,438.3	-142.8	766.9	226.6	13.50	13.43	1.41
12,724.4	90.00	179.58	12,439.0	-167.2	767.1	250.9	13.50	13.43	1.40
12,800.0	90.00	179.58	12,439.0	-242.7	767.7	326.1	0.00	0.00	0.00
12,900.0	90.00	179.58	12,439.0	-342.7	768.4	425.6	0.00	0.00	0.00
13,000.0	90.00	179.58	12,439.0	-442.7	769.1	525.0	0.00	0.00	0.00
13,100.0	90.00	179.58	12,439.0	-542.7	769.9	624.5	0.00	0.00	0.00
13,200.0	90.00	179.58	12,439.0	-642.7	770.6	724.0	0.00	0.00	0.00
13,300.0	90.00	179.58	12,439.0	-742.7	771.3	823.4	0.00	0.00	0.00
13,400.0	90.00	179.58	12,439.0	-842.7	772.1	922.9	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: Calm Breeze 2Fed Com
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #701H
KB = 25 @ 3349.0usft
KB = 25 @ 3349.0usft
Grid
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)
13,500.0	90.00	179.58	12,439.0	-942.7	772.8	1,022.4	0.00	0.00	0.00
13,600.0	90.00	179.58	12,439.0	-1,042.7	773.5	1,121.8	0.00	0.00	0.00
13,700.0	90.00	179.58	12,439.0	-1,142.7	774.3	1,221.3	0.00	0.00	0.00
13,800.0	90.00	179.58	12,439.0	-1,242.7	775.0	1,320.8	0.00	0.00	0.00
13,900.0	90.00	179.58	12,439.0	-1,342.7	775.7	1,420.2	0.00	0.00	0.00
14,000.0	90.00	179.58	12,439.0	-1,442.7	776.5	1,519.7	0.00	0.00	0.00
14,100.0	90.00	179.58	12,439.0	-1,542.7	777.2	1,619.2	0.00	0.00	0.00
14,200.0	90.00	179.58	12,439.0	-1,642.7	777.9	1,718.6	0.00	0.00	0.00
14,300.0	90.00	179.58	12,439.0	-1,742.7	778.7	1,818.1	0.00	0.00	0.00
14,400.0	90.00	179.58	12,439.0	-1,842.7	779.4	1,917.5	0.00	0.00	0.00
14,500.0	90.00	179.58	12,439.0	-1,942.7	780.1	2,017.0	0.00	0.00	0.00
14,600.0	90.00	179.58	12,439.0	-2,042.7	780.9	2,116.5	0.00	0.00	0.00
14,700.0	90.00	179.58	12,439.0	-2,142.7	781.6	2,215.9	0.00	0.00	0.00
14,800.0	90.00	179.58	12,439.0	-2,242.7	782.3	2,315.4	0.00	0.00	0.00
14,900.0	90.00	179.58	12,439.0	-2,342.7	783.1	2,414.9	0.00	0.00	0.00
15,000.0	90.00	179.58	12,439.0	-2,442.7	783.8	2,514.3	0.00	0.00	0.00
15,100.0	90.00	179.58	12,439.0	-2,542.7	784.5	2,613.8	0.00	0.00	0.00
15,200.0	90.00	179.58	12,439.0	-2,642.7	785.3	2,713.3	0.00	0.00	0.00
15,300.0	90.00	179.58	12,439.0	-2,742.7	786.0	2,812.7	0.00	0.00	0.00
15,400.0	90.00	179.58	12,439.0	-2,842.7	786.7	2,912.2	0.00	0.00	0.00
15,500.0	90.00	179.58	12,439.0	-2,942.7	787.5	3,011.7	0.00	0.00	0.00
15,600.0	90.00	179.58	12,439.0	-3,042.7	788.2	3,111.1	0.00	0.00	0.00
15,700.0	90.00	179.58	12,439.0	-3,142.7	788.9	3,210.6	0.00	0.00	0.00
15,800.0	90.00	179.58	12,439.0	-3,242.7	789.7	3,310.1	0.00	0.00	0.00
15,900.0	90.00	179.58	12,439.0	-3,342.7	790.4	3,409.5	0.00	0.00	0.00
16,000.0	90.00	179.58	12,439.0	-3,442.7	791.1	3,509.0	0.00	0.00	0.00
16,100.0	90.00	179.58	12,439.0	-3,542.7	791.9	3,608.5	0.00	0.00	0.00
16,200.0	90.00	179.58	12,439.0	-3,642.7	792.6	3,707.9	0.00	0.00	0.00
16,300.0	90.00	179.58	12,439.0	-3,742.7	793.3	3,807.4	0.00	0.00	0.00
16,400.0	90.00	179.58	12,439.0	-3,842.7	794.1	3,906.9	0.00	0.00	0.00
16,500.0	90.00	179.58	12,439.0	-3,942.6	794.8	4,006.3	0.00	0.00	0.00
16,600.0	90.00	179.58	12,439.0	-4,042.6	795.5	4,105.8	0.00	0.00	0.00
16,700.0	90.00	179.58	12,439.0	-4,142.6	796.3	4,205.3	0.00	0.00	0.00
16,800.0	90.00	179.58	12,439.0	-4,242.6	797.0	4,304.7	0.00	0.00	0.00
16,900.0	90.00	179.58	12,439.0	-4,342.6	797.7	4,404.2	0.00	0.00	0.00
17,000.0	90.00	179.58	12,439.0	-4,442.6	798.5	4,503.7	0.00	0.00	0.00
17,100.0	90.00	179.58	12,439.0	-4,542.6	799.2	4,603.1	0.00	0.00	0.00
17,200.0	90.00	179.58	12,439.0	-4,642.6	799.9	4,702.6	0.00	0.00	0.00
17,300.0	90.00	179.58	12,439.0	-4,742.6	800.7	4,802.1	0.00	0.00	0.00
17,400.0	90.00	179.58	12,439.0	-4,842.6	801.4	4,901.5	0.00	0.00	0.00
17,500.0	90.00	179.58	12,439.0	-4,942.6	802.1	5,001.0	0.00	0.00	0.00
17,600.0	90.00	179.58	12,439.0	-5,042.6	802.9	5,100.5	0.00	0.00	0.00
17,700.0	90.00	179.58	12,439.0	-5,142.6	803.6	5,199.9	0.00	0.00	0.00
17,800.0	90.00	179.58	12,439.0	-5,242.6	804.4	5,299.4	0.00	0.00	0.00
17,900.0	90.00	179.58	12,439.0	-5,342.6	805.1	5,398.9	0.00	0.00	0.00
18,000.0	90.00	179.58	12,439.0	-5,442.6	805.8	5,498.3	0.00	0.00	0.00
18,100.0	90.00	179.58	12,439.0	-5,542.6	806.6	5,597.8	0.00	0.00	0.00
18,200.0	90.00	179.58	12,439.0	-5,642.6	807.3	5,697.3	0.00	0.00	0.00
18,300.0	90.00	179.58	12,439.0	-5,742.6	808.0	5,796.7	0.00	0.00	0.00
18,400.0	90.00	179.58	12,439.0	-5,842.6	808.8	5,896.2	0.00	0.00	0.00
18,500.0	90.00	179.58	12,439.0	-5,942.6	809.5	5,995.7	0.00	0.00	0.00
18,600.0	90.00	179.58	12,439.0	-6,042.6	810.2	6,095.1	0.00	0.00	0.00
18,700.0	90.00	179.58	12,439.0	-6,142.6	811.0	6,194.6	0.00	0.00	0.00
18,800.0	90.00	179.58	12,439.0	-6,242.6	811.7	6,294.1	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: Calm Breeze 2Fed Com
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3349.0usft
MD Reference: KB = 25 @ 3349.0usft
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)
18,900.0	90.00	179.58	12,439.0	-6,342.6	812.4	6,393.5	0.00	0.00	0.00
19,000.0	90.00	179.58	12,439.0	-6,442.6	813.2	6,493.0	0.00	0.00	0.00
19,100.0	90.00	179.58	12,439.0	-6,542.6	813.9	6,592.4	0.00	0.00	0.00
19,200.0	90.00	179.58	12,439.0	-6,642.6	814.6	6,691.9	0.00	0.00	0.00
19,300.0	90.00	179.58	12,439.0	-6,742.6	815.4	6,791.4	0.00	0.00	0.00
19,400.0	90.00	179.58	12,439.0	-6,842.6	816.1	6,890.8	0.00	0.00	0.00
19,500.0	90.00	179.58	12,439.0	-6,942.6	816.8	6,990.3	0.00	0.00	0.00
19,600.0	90.00	179.58	12,439.0	-7,042.6	817.6	7,089.8	0.00	0.00	0.00
19,700.0	90.00	179.58	12,439.0	-7,142.6	818.3	7,189.2	0.00	0.00	0.00
19,800.0	90.00	179.58	12,439.0	-7,242.6	819.0	7,288.7	0.00	0.00	0.00
19,900.0	90.00	179.58	12,439.0	-7,342.6	819.8	7,388.2	0.00	0.00	0.00
19,932.4	90.00	179.58	12,439.0	-7,375.0	820.0	7,420.4	0.00	0.00	0.00
PBHL(CB 2FC #701H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(CB 2FC #701H) - plan misses target center by 25.8usft at 12579.6usft MD (12414.7 TVD, -25.2 N, 763.5 E) - Point	0.00	0.00	12,439.0	-17.0	766.0	390,614.00	744,589.00	32° 4' 17.232 N	103° 32' 37.396 W
PBHL(CB 2FC #701H) - plan hits target center - Point	0.00	0.00	12,439.0	-7,375.0	820.0	383,256.00	744,643.00	32° 3' 4.415 N	103° 32' 37.394 W



PROJECT DETAILS: Lea County, NM (NAD 27 NME)

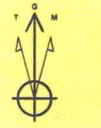
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

Lea County, NM (NAD 27 NME)

Calm Breeze 2Fed Com

#701H

Plan #0.1



Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.61°
Magnetic Field
Strength: 47940.5nT
Dip Angle: 59.94°
Date: 8/2/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.61°
To convert a Magnetic Direction to a True Direction, Add 7.03° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

WELL DETAILS: #701H

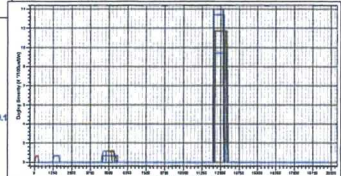
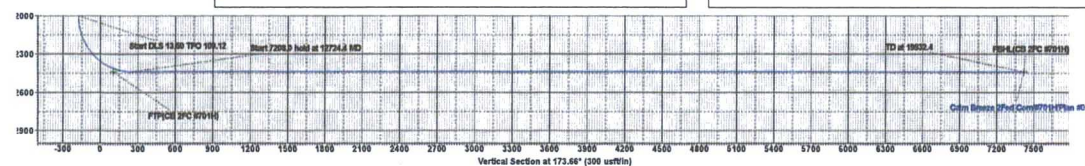
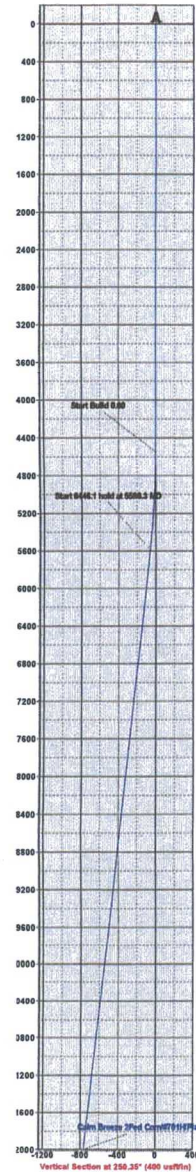
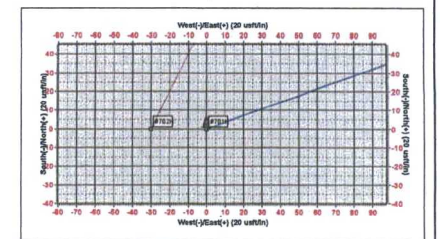
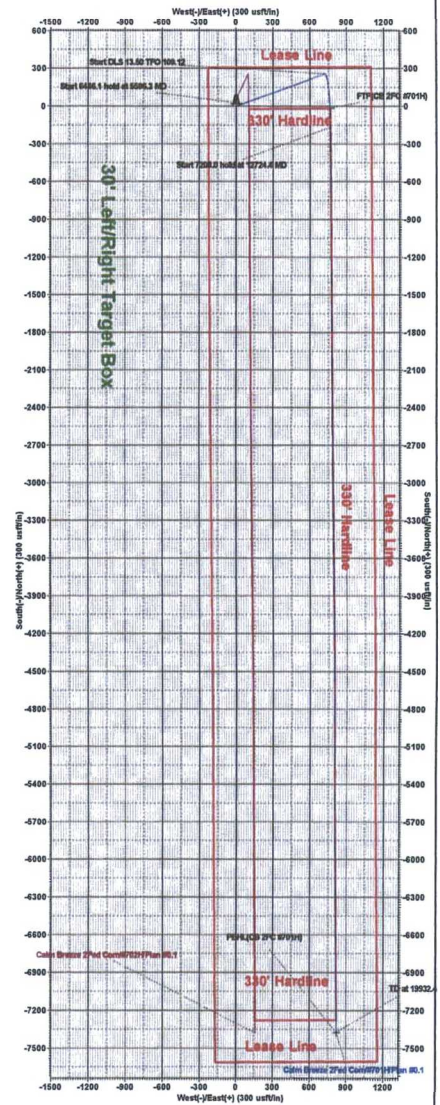
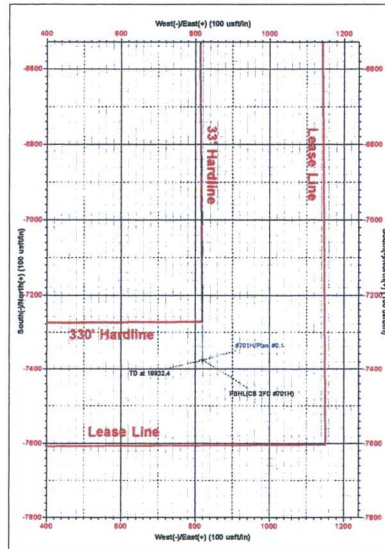
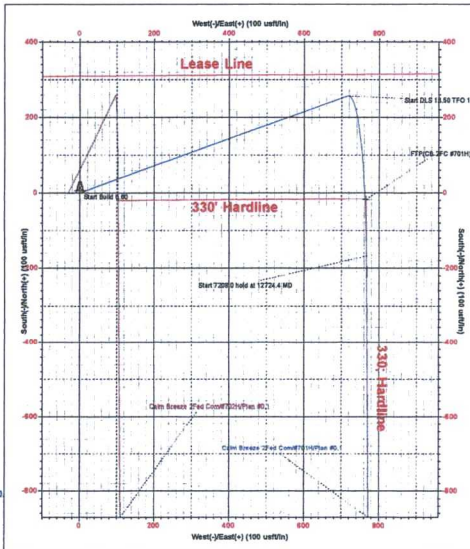
	Ground Level: 3324.0	
	KB = 25 @ 3349.0m	
+N-S	+E-W	Northing
0.0	0.0	390631.00
		Eastings
		Latitude
		Longitude
		Slot
		743823.00 32° 4' 17.455 N 103° 32' 48.296 W

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	4549.0	0.00	0.00	4549.0	0.0	0.0	0.00	0.00	0.0	
3	5596.3	6.28	70.35	5594.2	19.3	54.0	0.60	70.35	-13.2	
4	12042.5	6.28	70.35	12001.6	256.6	718.5	0.00	0.00	-175.6	
5	12724.4	90.00	179.58	12439.0	-167.2	767.1	13.50	109.12	250.9	
6	19932.4	90.00	179.58	12439.0	-7375.0	820.0	0.00	0.00	7420.4	PBHL(CB 2FC #701H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Eastings	Shape
FTPCB 2FC #701H	12439.0	-17.0	768.0	390614.00	744688.00	Point
PBHL(CB 2FC #701H)	12439.0	-7375.0	820.0	393256.00	744643.00	Point



Lea County, NM (NAD 27 NME)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level