



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Calm Breeze 2Fed Com

#704H

OH

Plan: Plan #0.1

Standard Planning Report

03 August, 2016

HOBBS OCD
FEB 28 2017
RECEIVED

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Calm Breeze 2Fed Com
Well: #704H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3342.0usft
MD Reference: KB = 25 @ 3342.0usft
North Reference: Grid
Survey Calculation Method: 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 #704H

Well Position +N/-S -237.0 usft Northing: 390,394.00 usft Latitude: 32° 4' 15.189 N
 +E/-W -1,094.0 usft Easting: 742,729.00 usft Longitude: 103° 32' 59.029 W
Position Uncertainty 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,317.0 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: 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.55

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,652.9	2.72	346.09	1,652.7	10.4	-2.6	0.60	0.60	0.00	346.09	
11,980.7	2.72	346.09	11,968.9	485.7	-120.3	0.00	0.00	0.00	0.00	
12,642.4	90.00	179.58	12,397.0	76.8	-122.0	14.00	13.19	-25.16	-166.49	
19,870.5	90.00	179.58	12,397.0	-7,151.0	-69.0	0.00	0.00	0.00	0.00	PBHL(CB 2FC #704H)



EOG Resources, Inc.

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 MD Reference: KB = 25 @ 3342.0usft
 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	0.60	346.09	1,300.0	0.5	-0.1	-0.5	0.60	0.60	0.00
1,400.0	1.20	346.09	1,400.0	2.0	-0.5	-2.0	0.60	0.60	0.00
1,500.0	1.80	346.09	1,500.0	4.6	-1.1	-4.6	0.60	0.60	0.00
1,600.0	2.40	346.09	1,599.9	8.1	-2.0	-8.1	0.60	0.60	0.00
1,652.9	2.72	346.09	1,652.7	10.4	-2.6	-10.4	0.60	0.60	0.00
1,700.0	2.72	346.09	1,699.8	12.6	-3.1	-12.6	0.00	0.00	0.00
1,800.0	2.72	346.09	1,799.7	17.2	-4.3	-17.2	0.00	0.00	0.00
1,900.0	2.72	346.09	1,899.6	21.8	-5.4	-21.7	0.00	0.00	0.00
2,000.0	2.72	346.09	1,999.4	26.4	-6.5	-26.3	0.00	0.00	0.00
2,100.0	2.72	346.09	2,099.3	31.0	-7.7	-30.9	0.00	0.00	0.00
2,200.0	2.72	346.09	2,199.2	35.6	-8.8	-35.5	0.00	0.00	0.00
2,300.0	2.72	346.09	2,299.1	40.2	-10.0	-40.1	0.00	0.00	0.00
2,400.0	2.72	346.09	2,399.0	44.8	-11.1	-44.7	0.00	0.00	0.00
2,500.0	2.72	346.09	2,498.9	49.4	-12.2	-49.3	0.00	0.00	0.00
2,600.0	2.72	346.09	2,598.8	54.0	-13.4	-53.9	0.00	0.00	0.00
2,700.0	2.72	346.09	2,698.7	58.6	-14.5	-58.5	0.00	0.00	0.00
2,800.0	2.72	346.09	2,798.5	63.2	-15.7	-63.1	0.00	0.00	0.00
2,900.0	2.72	346.09	2,898.4	67.8	-16.8	-67.6	0.00	0.00	0.00
3,000.0	2.72	346.09	2,998.3	72.4	-17.9	-72.2	0.00	0.00	0.00
3,100.0	2.72	346.09	3,098.2	77.0	-19.1	-76.8	0.00	0.00	0.00
3,200.0	2.72	346.09	3,198.1	81.6	-20.2	-81.4	0.00	0.00	0.00
3,300.0	2.72	346.09	3,298.0	86.2	-21.4	-86.0	0.00	0.00	0.00
3,400.0	2.72	346.09	3,397.9	90.8	-22.5	-90.6	0.00	0.00	0.00
3,500.0	2.72	346.09	3,497.8	95.4	-23.6	-95.2	0.00	0.00	0.00
3,600.0	2.72	346.09	3,597.6	100.0	-24.8	-99.8	0.00	0.00	0.00
3,700.0	2.72	346.09	3,697.5	104.6	-25.9	-104.4	0.00	0.00	0.00
3,800.0	2.72	346.09	3,797.4	109.2	-27.1	-109.0	0.00	0.00	0.00
3,900.0	2.72	346.09	3,897.3	113.8	-28.2	-113.6	0.00	0.00	0.00
4,000.0	2.72	346.09	3,997.2	118.4	-29.3	-118.1	0.00	0.00	0.00
4,100.0	2.72	346.09	4,097.1	123.0	-30.5	-122.7	0.00	0.00	0.00
4,200.0	2.72	346.09	4,197.0	127.6	-31.6	-127.3	0.00	0.00	0.00
4,300.0	2.72	346.09	4,296.9	132.2	-32.8	-131.9	0.00	0.00	0.00
4,400.0	2.72	346.09	4,396.7	136.8	-33.9	-136.5	0.00	0.00	0.00
4,500.0	2.72	346.09	4,496.6	141.4	-35.0	-141.1	0.00	0.00	0.00
4,600.0	2.72	346.09	4,596.5	146.0	-36.2	-145.7	0.00	0.00	0.00
4,700.0	2.72	346.09	4,696.4	150.6	-37.3	-150.3	0.00	0.00	0.00
4,800.0	2.72	346.09	4,796.3	155.2	-38.5	-154.9	0.00	0.00	0.00
4,900.0	2.72	346.09	4,896.2	159.8	-39.6	-159.5	0.00	0.00	0.00
5,000.0	2.72	346.09	4,996.1	164.4	-40.7	-164.0	0.00	0.00	0.00
5,100.0	2.72	346.09	5,096.0	169.1	-41.9	-168.6	0.00	0.00	0.00
5,200.0	2.72	346.09	5,195.8	173.7	-43.0	-173.2	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	2.72	346.09	5,295.7	178.3	-44.2	-177.8	0.00	0.00	0.00
5,400.0	2.72	346.09	5,395.6	182.9	-45.3	-182.4	0.00	0.00	0.00
5,500.0	2.72	346.09	5,495.5	187.5	-46.4	-187.0	0.00	0.00	0.00
5,600.0	2.72	346.09	5,595.4	192.1	-47.6	-191.6	0.00	0.00	0.00
5,700.0	2.72	346.09	5,695.3	196.7	-48.7	-196.2	0.00	0.00	0.00
5,800.0	2.72	346.09	5,795.2	201.3	-49.9	-200.8	0.00	0.00	0.00
5,900.0	2.72	346.09	5,895.1	205.9	-51.0	-205.4	0.00	0.00	0.00
6,000.0	2.72	346.09	5,994.9	210.5	-52.1	-210.0	0.00	0.00	0.00
6,100.0	2.72	346.09	6,094.8	215.1	-53.3	-214.5	0.00	0.00	0.00
6,200.0	2.72	346.09	6,194.7	219.7	-54.4	-219.1	0.00	0.00	0.00
6,300.0	2.72	346.09	6,294.6	224.3	-55.6	-223.7	0.00	0.00	0.00
6,400.0	2.72	346.09	6,394.5	228.9	-56.7	-228.3	0.00	0.00	0.00
6,500.0	2.72	346.09	6,494.4	233.5	-57.8	-232.9	0.00	0.00	0.00
6,600.0	2.72	346.09	6,594.3	238.1	-59.0	-237.5	0.00	0.00	0.00
6,700.0	2.72	346.09	6,694.2	242.7	-60.1	-242.1	0.00	0.00	0.00
6,800.0	2.72	346.09	6,794.0	247.3	-61.3	-246.7	0.00	0.00	0.00
6,900.0	2.72	346.09	6,893.9	251.9	-62.4	-251.3	0.00	0.00	0.00
7,000.0	2.72	346.09	6,993.8	256.5	-63.5	-255.9	0.00	0.00	0.00
7,100.0	2.72	346.09	7,093.7	261.1	-64.7	-260.5	0.00	0.00	0.00
7,200.0	2.72	346.09	7,193.6	265.7	-65.8	-265.0	0.00	0.00	0.00
7,300.0	2.72	346.09	7,293.5	270.3	-67.0	-269.6	0.00	0.00	0.00
7,400.0	2.72	346.09	7,393.4	274.9	-68.1	-274.2	0.00	0.00	0.00
7,500.0	2.72	346.09	7,493.3	279.5	-69.2	-278.8	0.00	0.00	0.00
7,600.0	2.72	346.09	7,593.1	284.1	-70.4	-283.4	0.00	0.00	0.00
7,700.0	2.72	346.09	7,693.0	288.7	-71.5	-288.0	0.00	0.00	0.00
7,800.0	2.72	346.09	7,792.9	293.3	-72.7	-292.6	0.00	0.00	0.00
7,900.0	2.72	346.09	7,892.8	297.9	-73.8	-297.2	0.00	0.00	0.00
8,000.0	2.72	346.09	7,992.7	302.5	-74.9	-301.8	0.00	0.00	0.00
8,100.0	2.72	346.09	8,092.6	307.1	-76.1	-306.4	0.00	0.00	0.00
8,200.0	2.72	346.09	8,192.5	311.7	-77.2	-310.9	0.00	0.00	0.00
8,300.0	2.72	346.09	8,292.4	316.3	-78.3	-315.5	0.00	0.00	0.00
8,400.0	2.72	346.09	8,392.2	320.9	-79.5	-320.1	0.00	0.00	0.00
8,500.0	2.72	346.09	8,492.1	325.5	-80.6	-324.7	0.00	0.00	0.00
8,600.0	2.72	346.09	8,592.0	330.1	-81.8	-329.3	0.00	0.00	0.00
8,700.0	2.72	346.09	8,691.9	334.7	-82.9	-333.9	0.00	0.00	0.00
8,800.0	2.72	346.09	8,791.8	339.3	-84.0	-338.5	0.00	0.00	0.00
8,900.0	2.72	346.09	8,891.7	343.9	-85.2	-343.1	0.00	0.00	0.00
9,000.0	2.72	346.09	8,991.6	348.5	-86.3	-347.7	0.00	0.00	0.00
9,100.0	2.72	346.09	9,091.5	353.1	-87.5	-352.3	0.00	0.00	0.00
9,200.0	2.72	346.09	9,191.3	357.7	-88.6	-356.9	0.00	0.00	0.00
9,300.0	2.72	346.09	9,291.2	362.3	-89.7	-361.4	0.00	0.00	0.00
9,400.0	2.72	346.09	9,391.1	366.9	-90.9	-366.0	0.00	0.00	0.00
9,500.0	2.72	346.09	9,491.0	371.5	-92.0	-370.6	0.00	0.00	0.00
9,600.0	2.72	346.09	9,590.9	376.1	-93.2	-375.2	0.00	0.00	0.00
9,700.0	2.72	346.09	9,690.8	380.7	-94.3	-379.8	0.00	0.00	0.00
9,800.0	2.72	346.09	9,790.7	385.3	-95.4	-384.4	0.00	0.00	0.00
9,900.0	2.72	346.09	9,890.6	389.9	-96.6	-389.0	0.00	0.00	0.00
10,000.0	2.72	346.09	9,990.4	394.5	-97.7	-393.6	0.00	0.00	0.00
10,100.0	2.72	346.09	10,090.3	399.1	-98.9	-398.2	0.00	0.00	0.00
10,200.0	2.72	346.09	10,190.2	403.7	-100.0	-402.8	0.00	0.00	0.00
10,300.0	2.72	346.09	10,290.1	408.3	-101.1	-407.4	0.00	0.00	0.00
10,400.0	2.72	346.09	10,390.0	412.9	-102.3	-411.9	0.00	0.00	0.00
10,500.0	2.72	346.09	10,489.9	417.5	-103.4	-416.5	0.00	0.00	0.00
10,600.0	2.72	346.09	10,589.8	422.2	-104.6	-421.1	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)
10,700.0	2.72	346.09	10,689.7	426.8	-105.7	-425.7	0.00	0.00	0.00
10,800.0	2.72	346.09	10,789.5	431.4	-106.8	-430.3	0.00	0.00	0.00
10,900.0	2.72	346.09	10,889.4	436.0	-108.0	-434.9	0.00	0.00	0.00
11,000.0	2.72	346.09	10,989.3	440.6	-109.1	-439.5	0.00	0.00	0.00
11,100.0	2.72	346.09	11,089.2	445.2	-110.3	-444.1	0.00	0.00	0.00
11,200.0	2.72	346.09	11,189.1	449.8	-111.4	-448.7	0.00	0.00	0.00
11,300.0	2.72	346.09	11,289.0	454.4	-112.5	-453.3	0.00	0.00	0.00
11,400.0	2.72	346.09	11,388.9	459.0	-113.7	-457.8	0.00	0.00	0.00
11,500.0	2.72	346.09	11,488.8	463.6	-114.8	-462.4	0.00	0.00	0.00
11,600.0	2.72	346.09	11,588.6	468.2	-116.0	-467.0	0.00	0.00	0.00
11,700.0	2.72	346.09	11,688.5	472.8	-117.1	-471.6	0.00	0.00	0.00
11,800.0	2.72	346.09	11,788.4	477.4	-118.2	-476.2	0.00	0.00	0.00
11,900.0	2.72	346.09	11,888.3	482.0	-119.4	-480.8	0.00	0.00	0.00
11,980.7	2.72	346.09	11,968.9	485.7	-120.3	-484.5	0.00	0.00	0.00
12,000.0	0.64	264.03	11,988.2	486.1	-120.5	-484.9	14.00	-10.77	-424.86
12,025.0	3.62	189.67	12,013.2	485.3	-120.8	-484.1	14.00	11.92	-297.47
12,050.0	7.09	184.69	12,038.1	483.0	-121.1	-481.8	14.00	13.89	-19.92
12,075.0	10.58	182.98	12,062.8	479.2	-121.3	-478.0	14.00	13.96	-6.84
12,100.0	14.08	182.11	12,087.2	473.8	-121.5	-472.7	14.00	13.98	-3.47
12,125.0	17.57	181.58	12,111.2	467.0	-121.7	-465.8	14.00	13.99	-2.11
12,150.0	21.07	181.23	12,134.8	458.8	-121.9	-457.6	14.00	13.99	-1.43
12,175.0	24.57	180.97	12,157.9	449.1	-122.1	-447.9	14.00	13.99	-1.04
12,200.0	28.07	180.77	12,180.3	438.0	-122.3	-436.8	14.00	14.00	-0.79
12,225.0	31.57	180.61	12,202.0	425.6	-122.4	-424.4	14.00	14.00	-0.63
12,250.0	35.07	180.48	12,222.9	411.8	-122.6	-410.6	14.00	14.00	-0.52
12,275.0	38.57	180.38	12,242.9	396.9	-122.7	-395.7	14.00	14.00	-0.43
12,300.0	42.07	180.28	12,261.9	380.7	-122.8	-379.5	14.00	14.00	-0.37
12,325.0	45.57	180.20	12,280.0	363.4	-122.9	-362.2	14.00	14.00	-0.32
12,350.0	49.06	180.13	12,296.9	345.0	-122.9	-343.8	14.00	14.00	-0.29
12,375.0	52.56	180.07	12,312.7	325.6	-122.9	-324.4	14.00	14.00	-0.26
12,400.0	56.06	180.01	12,327.3	305.3	-122.9	-304.1	14.00	14.00	-0.24
12,425.0	59.56	179.95	12,340.6	284.2	-122.9	-283.0	14.00	14.00	-0.22
12,450.0	63.06	179.90	12,352.6	262.2	-122.9	-261.0	14.00	14.00	-0.20
12,475.0	66.56	179.85	12,363.2	239.6	-122.9	-238.4	14.00	14.00	-0.19
12,500.0	70.06	179.81	12,372.5	216.4	-122.8	-215.2	14.00	14.00	-0.18
12,516.6	72.39	179.78	12,377.8	200.7	-122.7	-199.5	14.00	14.00	-0.17
FTP(CB 2FC #704H)									
12,525.0	73.56	179.77	12,380.3	192.7	-122.7	-191.5	14.00	14.00	-0.17
12,550.0	77.06	179.73	12,386.6	168.5	-122.6	-167.3	14.00	14.00	-0.17
12,575.0	80.56	179.68	12,391.5	144.0	-122.5	-142.8	14.00	14.00	-0.16
12,600.0	84.06	179.65	12,394.8	119.2	-122.3	-118.0	14.00	14.00	-0.16
12,625.0	87.56	179.61	12,396.6	94.3	-122.2	-93.1	14.00	14.00	-0.16
12,642.4	90.00	179.58	12,397.0	76.8	-122.0	-75.7	14.00	14.00	-0.16
12,700.0	90.00	179.58	12,397.0	19.3	-121.6	-18.1	0.00	0.00	0.00
12,800.0	90.00	179.58	12,397.0	-80.7	-120.9	81.9	0.00	0.00	0.00
12,900.0	90.00	179.58	12,397.0	-180.7	-120.2	181.9	0.00	0.00	0.00
13,000.0	90.00	179.58	12,397.0	-280.7	-119.4	281.9	0.00	0.00	0.00
13,100.0	90.00	179.58	12,397.0	-380.7	-118.7	381.9	0.00	0.00	0.00
13,200.0	90.00	179.58	12,397.0	-480.7	-118.0	481.8	0.00	0.00	0.00
13,300.0	90.00	179.58	12,397.0	-580.7	-117.2	581.8	0.00	0.00	0.00
13,400.0	90.00	179.58	12,397.0	-680.7	-116.5	681.8	0.00	0.00	0.00
13,500.0	90.00	179.58	12,397.0	-780.7	-115.8	781.8	0.00	0.00	0.00
13,600.0	90.00	179.58	12,397.0	-880.7	-115.0	881.8	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: #704H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25 @ 3342.0usft
MD Reference: KB = 25 @ 3342.0usft
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)
13,700.0	90.00	179.58	12,397.0	-980.7	-114.3	981.8	0.00	0.00	0.00
13,800.0	90.00	179.58	12,397.0	-1,080.7	-113.5	1,081.8	0.00	0.00	0.00
13,900.0	90.00	179.58	12,397.0	-1,180.7	-112.8	1,181.7	0.00	0.00	0.00
14,000.0	90.00	179.58	12,397.0	-1,280.7	-112.1	1,281.7	0.00	0.00	0.00
14,100.0	90.00	179.58	12,397.0	-1,380.7	-111.3	1,381.7	0.00	0.00	0.00
14,200.0	90.00	179.58	12,397.0	-1,480.7	-110.6	1,481.7	0.00	0.00	0.00
14,300.0	90.00	179.58	12,397.0	-1,580.7	-109.9	1,581.7	0.00	0.00	0.00
14,400.0	90.00	179.58	12,397.0	-1,680.7	-109.1	1,681.7	0.00	0.00	0.00
14,500.0	90.00	179.58	12,397.0	-1,780.7	-108.4	1,781.7	0.00	0.00	0.00
14,600.0	90.00	179.58	12,397.0	-1,880.7	-107.7	1,881.6	0.00	0.00	0.00
14,700.0	90.00	179.58	12,397.0	-1,980.7	-106.9	1,981.6	0.00	0.00	0.00
14,800.0	90.00	179.58	12,397.0	-2,080.7	-106.2	2,081.6	0.00	0.00	0.00
14,900.0	90.00	179.58	12,397.0	-2,180.7	-105.5	2,181.6	0.00	0.00	0.00
15,000.0	90.00	179.58	12,397.0	-2,280.7	-104.7	2,281.6	0.00	0.00	0.00
15,100.0	90.00	179.58	12,397.0	-2,380.7	-104.0	2,381.6	0.00	0.00	0.00
15,200.0	90.00	179.58	12,397.0	-2,480.7	-103.3	2,481.6	0.00	0.00	0.00
15,300.0	90.00	179.58	12,397.0	-2,580.7	-102.5	2,581.5	0.00	0.00	0.00
15,400.0	90.00	179.58	12,397.0	-2,680.7	-101.8	2,681.5	0.00	0.00	0.00
15,500.0	90.00	179.58	12,397.0	-2,780.7	-101.1	2,781.5	0.00	0.00	0.00
15,600.0	90.00	179.58	12,397.0	-2,880.7	-100.3	2,881.5	0.00	0.00	0.00
15,700.0	90.00	179.58	12,397.0	-2,980.7	-99.6	2,981.5	0.00	0.00	0.00
15,800.0	90.00	179.58	12,397.0	-3,080.7	-98.9	3,081.5	0.00	0.00	0.00
15,900.0	90.00	179.58	12,397.0	-3,180.7	-98.1	3,181.5	0.00	0.00	0.00
16,000.0	90.00	179.58	12,397.0	-3,280.6	-97.4	3,281.4	0.00	0.00	0.00
16,100.0	90.00	179.58	12,397.0	-3,380.6	-96.7	3,381.4	0.00	0.00	0.00
16,200.0	90.00	179.58	12,397.0	-3,480.6	-95.9	3,481.4	0.00	0.00	0.00
16,300.0	90.00	179.58	12,397.0	-3,580.6	-95.2	3,581.4	0.00	0.00	0.00
16,400.0	90.00	179.58	12,397.0	-3,680.6	-94.5	3,681.4	0.00	0.00	0.00
16,500.0	90.00	179.58	12,397.0	-3,780.6	-93.7	3,781.4	0.00	0.00	0.00
16,600.0	90.00	179.58	12,397.0	-3,880.6	-93.0	3,881.4	0.00	0.00	0.00
16,700.0	90.00	179.58	12,397.0	-3,980.6	-92.3	3,981.3	0.00	0.00	0.00
16,800.0	90.00	179.58	12,397.0	-4,080.6	-91.5	4,081.3	0.00	0.00	0.00
16,900.0	90.00	179.58	12,397.0	-4,180.6	-90.8	4,181.3	0.00	0.00	0.00
17,000.0	90.00	179.58	12,397.0	-4,280.6	-90.1	4,281.3	0.00	0.00	0.00
17,100.0	90.00	179.58	12,397.0	-4,380.6	-89.3	4,381.3	0.00	0.00	0.00
17,200.0	90.00	179.58	12,397.0	-4,480.6	-88.6	4,481.3	0.00	0.00	0.00
17,300.0	90.00	179.58	12,397.0	-4,580.6	-87.9	4,581.2	0.00	0.00	0.00
17,400.0	90.00	179.58	12,397.0	-4,680.6	-87.1	4,681.2	0.00	0.00	0.00
17,500.0	90.00	179.58	12,397.0	-4,780.6	-86.4	4,781.2	0.00	0.00	0.00
17,600.0	90.00	179.58	12,397.0	-4,880.6	-85.7	4,881.2	0.00	0.00	0.00
17,700.0	90.00	179.58	12,397.0	-4,980.6	-84.9	4,981.2	0.00	0.00	0.00
17,800.0	90.00	179.58	12,397.0	-5,080.6	-84.2	5,081.2	0.00	0.00	0.00
17,900.0	90.00	179.58	12,397.0	-5,180.6	-83.5	5,181.2	0.00	0.00	0.00
18,000.0	90.00	179.58	12,397.0	-5,280.6	-82.7	5,281.1	0.00	0.00	0.00
18,100.0	90.00	179.58	12,397.0	-5,380.6	-82.0	5,381.1	0.00	0.00	0.00
18,200.0	90.00	179.58	12,397.0	-5,480.6	-81.3	5,481.1	0.00	0.00	0.00
18,300.0	90.00	179.58	12,397.0	-5,580.6	-80.5	5,581.1	0.00	0.00	0.00
18,400.0	90.00	179.58	12,397.0	-5,680.6	-79.8	5,681.1	0.00	0.00	0.00
18,500.0	90.00	179.58	12,397.0	-5,780.6	-79.1	5,781.1	0.00	0.00	0.00
18,600.0	90.00	179.58	12,397.0	-5,880.6	-78.3	5,881.1	0.00	0.00	0.00
18,700.0	90.00	179.58	12,397.0	-5,980.6	-77.6	5,981.0	0.00	0.00	0.00
18,800.0	90.00	179.58	12,397.0	-6,080.6	-76.9	6,081.0	0.00	0.00	0.00
18,900.0	90.00	179.58	12,397.0	-6,180.6	-76.1	6,181.0	0.00	0.00	0.00
19,000.0	90.00	179.58	12,397.0	-6,280.6	-75.4	6,281.0	0.00	0.00	0.00

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Local Co-ordinate Reference: Well #704H
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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)
19,100.0	90.00	179.58	12,397.0	-6,380.6	-74.7	6,381.0	0.00	0.00	0.00
19,200.0	90.00	179.58	12,397.0	-6,480.6	-73.9	6,481.0	0.00	0.00	0.00
19,300.0	90.00	179.58	12,397.0	-6,580.6	-73.2	6,581.0	0.00	0.00	0.00
19,400.0	90.00	179.58	12,397.0	-6,680.6	-72.5	6,680.9	0.00	0.00	0.00
19,500.0	90.00	179.58	12,397.0	-6,780.6	-71.7	6,780.9	0.00	0.00	0.00
19,600.0	90.00	179.58	12,397.0	-6,880.6	-71.0	6,880.9	0.00	0.00	0.00
19,700.0	90.00	179.58	12,397.0	-6,980.6	-70.3	6,980.9	0.00	0.00	0.00
19,800.0	90.00	179.58	12,397.0	-7,080.5	-69.5	7,080.9	0.00	0.00	0.00
19,870.5	90.00	179.58	12,397.0	-7,151.0	-69.0	7,151.3	0.00	0.00	0.00

PBHL(CB 2FC #704H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(CB 2FC #704H)	0.00	0.00	12,397.0	-7,151.0	-69.0	383,243.00	742,660.00	32° 3' 4.429 N	103° 33' 0.434 W
- plan hits target center									
- Point									
FTP(CB 2FC #704H)	0.00	0.00	12,397.0	207.0	-123.0	390,601.00	742,606.00	32° 4' 17.246 N	103° 33' 0.441 W
- plan misses target center by 20.2usft at 12516.6usft MD (12377.8 TVD, 200.7 N, -122.7 E)									
- Point									



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 #704H
Plan #0.1

Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.61°
Magnetic Field
Strength: 47939.8 nT
Dip Angle: 59.94°
Date: 9/2/2016
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: #704H

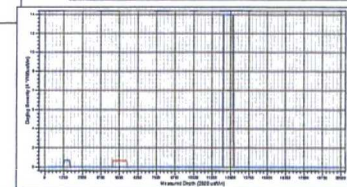
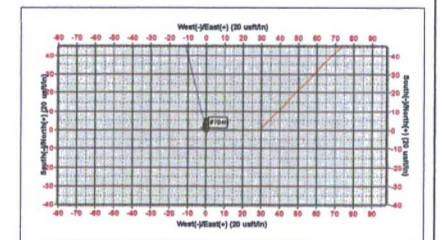
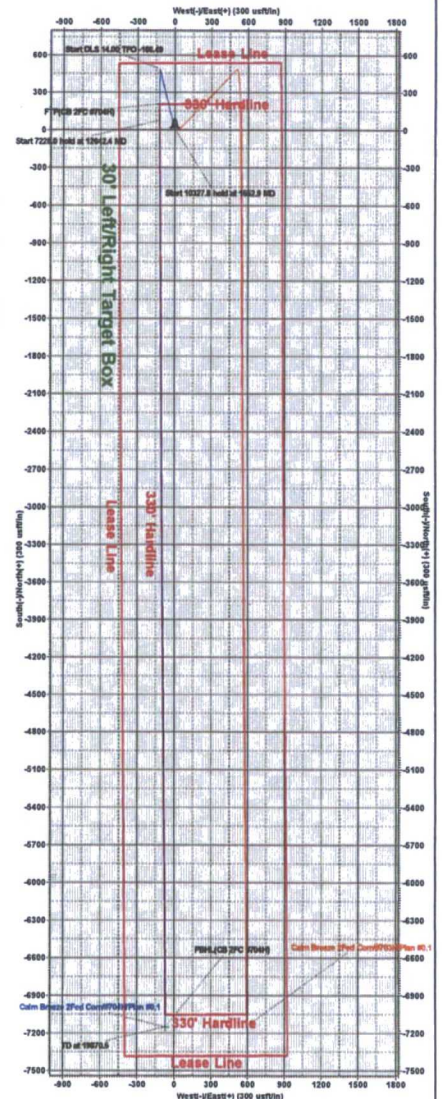
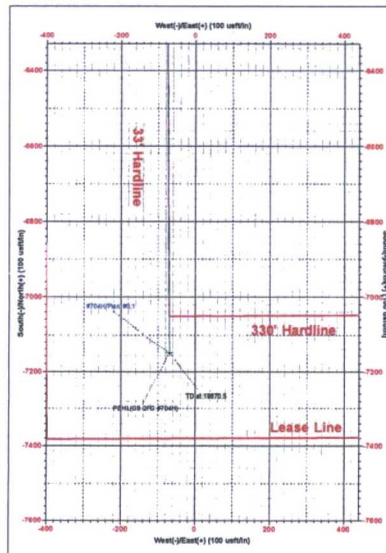
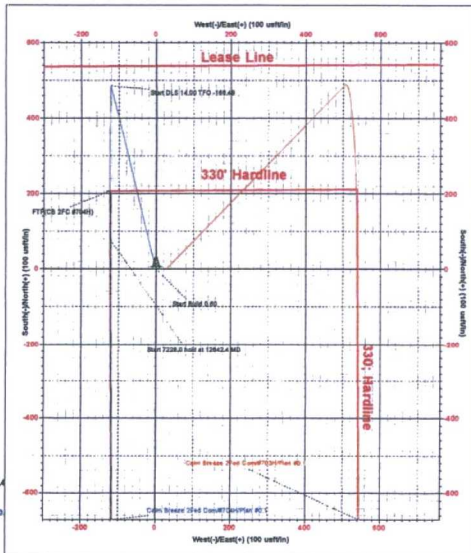
+N-S	+E-W	North	East	Longitude	Lat
0.0	0.0	390394.00	742729.00	32° 4' 15.189 N	103° 32' 59.028 W

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1652.9	2.72	346.09	1652.7	10.4	-2.6	0.60	346.09	-10.4	
4	11980.7	2.72	346.09	11968.9	485.7	-120.3	0.00	0.00	-484.5	
5	12642.4	90.00	179.58	12397.0	76.8	-122.0	14.00	-166.49	-75.7	
6	19870.5	90.00	179.58	12397.0	-7151.0	-69.0	0.00	0.00	7151.3	PBHL(CB 2FC #704H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	North	East	Shape
FTP(CB 2FC #704H)	12397.0	207.0	-123.0	390651.00	742668.00	Point
PBHL(CB 2FC #704H)	12397.0	-7151.0	-69.0	383243.00	742660.00	Point



Lea County, NM (NAD 27 NME)
Calm Breeze 2Fed Com #704H
Plan #0.1
9/2/2016
EAG