



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Braswell 16 State

#707H

OH

Plan: Plan #0.2

Standard Planning Report

24 August, 2016



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Braswell 16 State
Well: #707H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 25' @ 3297.0usft
MD Reference: KB = 25' @ 3297.0usft
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 Braswell 16 State
Site Position: Northing: 378,303.00 usft Latitude: 32° 2' 15.991 N
From: Map Easting: 736,347.00 usft Longitude: 103° 34' 14.187 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.40 °

Well #707H
Well Position +N/-S -301.0 usft Northing: 378,002.00 usft Latitude: 32° 2' 13.298 N
+E/-W -4,122.0 usft Easting: 732,225.00 usft Longitude: 103° 35' 2.096 W
Position Uncertainty 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,272.0 usft

Wellbore OH
Magnetics Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
 IGRF2015 4/11/2016 7.07 59.90 47,948

Design Plan #0.2
Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.0
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 9.00

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	
5,138.8	6.39	110.47	5,137.5	-12.4	33.3	1.00	1.00	0.00	110.47	
11,864.4	6.39	110.47	11,821.3	-274.1	734.4	0.00	0.00	0.00	0.00	
12,633.3	90.00	359.58	12,315.0	203.3	782.5	12.00	10.87	-14.42	-110.77	
17,160.1	90.00	359.58	12,315.0	4,730.0	749.0	0.00	0.00	0.00	0.00	PBHL(Braswell 16 ST



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 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
4,600.0	1.00	110.47	4,600.0	-0.3	0.8	-0.2	1.00	1.00	0.00
4,700.0	2.00	110.47	4,700.0	-1.2	3.3	-0.7	1.00	1.00	0.00
4,800.0	3.00	110.47	4,799.9	-2.7	7.4	-1.6	1.00	1.00	0.00
4,900.0	4.00	110.47	4,899.7	-4.9	13.1	-2.8	1.00	1.00	0.00
5,000.0	5.00	110.47	4,999.4	-7.6	20.4	-4.3	1.00	1.00	0.00
5,100.0	6.00	110.47	5,098.9	-11.0	29.4	-6.2	1.00	1.00	0.00
5,138.8	6.39	110.47	5,137.5	-12.4	33.3	-7.1	1.00	1.00	0.00
5,200.0	6.39	110.47	5,198.3	-14.8	39.7	-8.4	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)
5,300.0	6.39	110.47	5,297.7	-18.7	50.1	-10.6	0.00	0.00	0.00
5,400.0	6.39	110.47	5,397.1	-22.6	60.6	-12.9	0.00	0.00	0.00
5,500.0	6.39	110.47	5,496.4	-26.5	71.0	-15.1	0.00	0.00	0.00
5,600.0	6.39	110.47	5,595.8	-30.4	81.4	-17.3	0.00	0.00	0.00
5,700.0	6.39	110.47	5,695.2	-34.3	91.8	-19.5	0.00	0.00	0.00
5,800.0	6.39	110.47	5,794.6	-38.2	102.3	-21.7	0.00	0.00	0.00
5,900.0	6.39	110.47	5,894.0	-42.1	112.7	-23.9	0.00	0.00	0.00
6,000.0	6.39	110.47	5,993.3	-45.9	123.1	-26.1	0.00	0.00	0.00
6,100.0	6.39	110.47	6,092.7	-49.8	133.5	-28.3	0.00	0.00	0.00
6,200.0	6.39	110.47	6,192.1	-53.7	143.9	-30.6	0.00	0.00	0.00
6,300.0	6.39	110.47	6,291.5	-57.6	154.4	-32.8	0.00	0.00	0.00
6,400.0	6.39	110.47	6,390.8	-61.5	164.8	-35.0	0.00	0.00	0.00
6,500.0	6.39	110.47	6,490.2	-65.4	175.2	-37.2	0.00	0.00	0.00
6,600.0	6.39	110.47	6,589.6	-69.3	185.6	-39.4	0.00	0.00	0.00
6,700.0	6.39	110.47	6,689.0	-73.2	196.1	-41.6	0.00	0.00	0.00
6,800.0	6.39	110.47	6,788.4	-77.1	206.5	-43.8	0.00	0.00	0.00
6,900.0	6.39	110.47	6,887.7	-81.0	216.9	-46.0	0.00	0.00	0.00
7,000.0	6.39	110.47	6,987.1	-84.9	227.3	-48.3	0.00	0.00	0.00
7,100.0	6.39	110.47	7,086.5	-88.8	237.8	-50.5	0.00	0.00	0.00
7,200.0	6.39	110.47	7,185.9	-92.6	248.2	-52.7	0.00	0.00	0.00
7,300.0	6.39	110.47	7,285.3	-96.5	258.6	-54.9	0.00	0.00	0.00
7,400.0	6.39	110.47	7,384.6	-100.4	269.0	-57.1	0.00	0.00	0.00
7,500.0	6.39	110.47	7,484.0	-104.3	279.5	-59.3	0.00	0.00	0.00
7,600.0	6.39	110.47	7,583.4	-108.2	289.9	-61.5	0.00	0.00	0.00
7,700.0	6.39	110.47	7,682.8	-112.1	300.3	-63.7	0.00	0.00	0.00
7,800.0	6.39	110.47	7,782.2	-116.0	310.7	-66.0	0.00	0.00	0.00
7,900.0	6.39	110.47	7,881.5	-119.9	321.2	-68.2	0.00	0.00	0.00
8,000.0	6.39	110.47	7,980.9	-123.8	331.6	-70.4	0.00	0.00	0.00
8,100.0	6.39	110.47	8,080.3	-127.7	342.0	-72.6	0.00	0.00	0.00
8,200.0	6.39	110.47	8,179.7	-131.6	352.4	-74.8	0.00	0.00	0.00
8,300.0	6.39	110.47	8,279.0	-135.4	362.9	-77.0	0.00	0.00	0.00
8,400.0	6.39	110.47	8,378.4	-139.3	373.3	-79.2	0.00	0.00	0.00
8,500.0	6.39	110.47	8,477.8	-143.2	383.7	-81.5	0.00	0.00	0.00
8,600.0	6.39	110.47	8,577.2	-147.1	394.1	-83.7	0.00	0.00	0.00
8,700.0	6.39	110.47	8,676.6	-151.0	404.6	-85.9	0.00	0.00	0.00
8,800.0	6.39	110.47	8,775.9	-154.9	415.0	-88.1	0.00	0.00	0.00
8,900.0	6.39	110.47	8,875.3	-158.8	425.4	-90.3	0.00	0.00	0.00
9,000.0	6.39	110.47	8,974.7	-162.7	435.8	-92.5	0.00	0.00	0.00
9,100.0	6.39	110.47	9,074.1	-166.6	446.3	-94.7	0.00	0.00	0.00
9,200.0	6.39	110.47	9,173.5	-170.5	456.7	-96.9	0.00	0.00	0.00
9,300.0	6.39	110.47	9,272.8	-174.4	467.1	-99.2	0.00	0.00	0.00
9,400.0	6.39	110.47	9,372.2	-178.2	477.5	-101.4	0.00	0.00	0.00
9,500.0	6.39	110.47	9,471.6	-182.1	487.9	-103.6	0.00	0.00	0.00
9,600.0	6.39	110.47	9,571.0	-186.0	498.4	-105.8	0.00	0.00	0.00
9,700.0	6.39	110.47	9,670.4	-189.9	508.8	-108.0	0.00	0.00	0.00
9,800.0	6.39	110.47	9,769.7	-193.8	519.2	-110.2	0.00	0.00	0.00
9,900.0	6.39	110.47	9,869.1	-197.7	529.6	-112.4	0.00	0.00	0.00
10,000.0	6.39	110.47	9,968.5	-201.6	540.1	-114.6	0.00	0.00	0.00
10,100.0	6.39	110.47	10,067.9	-205.5	550.5	-116.9	0.00	0.00	0.00
10,200.0	6.39	110.47	10,167.2	-209.4	560.9	-119.1	0.00	0.00	0.00
10,300.0	6.39	110.47	10,266.6	-213.3	571.3	-121.3	0.00	0.00	0.00
10,400.0	6.39	110.47	10,366.0	-217.2	581.8	-123.5	0.00	0.00	0.00
10,500.0	6.39	110.47	10,465.4	-221.0	592.2	-125.7	0.00	0.00	0.00
10,600.0	6.39	110.47	10,564.8	-224.9	602.6	-127.9	0.00	0.00	0.00



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10,700.0	6.39	110.47	10,664.1	-228.8	613.0	-130.1	0.00	0.00	0.00
10,800.0	6.39	110.47	10,763.5	-232.7	623.5	-132.3	0.00	0.00	0.00
10,900.0	6.39	110.47	10,862.9	-236.6	633.9	-134.6	0.00	0.00	0.00
11,000.0	6.39	110.47	10,962.3	-240.5	644.3	-136.8	0.00	0.00	0.00
11,100.0	6.39	110.47	11,061.7	-244.4	654.7	-139.0	0.00	0.00	0.00
11,200.0	6.39	110.47	11,161.0	-248.3	665.2	-141.2	0.00	0.00	0.00
11,300.0	6.39	110.47	11,260.4	-252.2	675.6	-143.4	0.00	0.00	0.00
11,400.0	6.39	110.47	11,359.8	-256.1	686.0	-145.6	0.00	0.00	0.00
11,500.0	6.39	110.47	11,459.2	-260.0	696.4	-147.8	0.00	0.00	0.00
11,600.0	6.39	110.47	11,558.6	-263.8	706.9	-150.0	0.00	0.00	0.00
11,700.0	6.39	110.47	11,657.9	-267.7	717.3	-152.3	0.00	0.00	0.00
11,800.0	6.39	110.47	11,757.3	-271.6	727.7	-154.5	0.00	0.00	0.00
11,864.4	6.39	110.47	11,821.3	-274.1	734.4	-155.9	0.00	0.00	0.00
11,875.0	6.05	99.08	11,831.9	-274.4	735.5	-156.0	12.00	-3.14	-107.08
11,900.0	6.30	71.01	11,856.7	-274.2	738.1	-155.4	12.00	0.97	-112.31
11,925.0	7.78	49.50	11,881.5	-272.6	740.7	-153.4	12.00	5.95	-86.01
11,950.0	9.97	36.08	11,906.2	-269.8	743.3	-150.2	12.00	8.76	-53.69
11,975.0	12.50	27.73	11,930.8	-265.7	745.8	-145.7	12.00	10.11	-33.41
12,000.0	15.20	22.22	11,955.0	-260.2	748.3	-140.0	12.00	10.79	-22.02
12,025.0	17.99	18.37	11,979.0	-253.5	750.8	-133.0	12.00	11.17	-15.42
12,050.0	20.84	15.53	12,002.6	-245.6	753.2	-124.8	12.00	11.39	-11.36
12,075.0	23.72	13.35	12,025.7	-236.4	755.5	-115.3	12.00	11.54	-8.72
12,100.0	26.63	11.62	12,048.3	-226.0	757.8	-104.7	12.00	11.63	-6.92
12,125.0	29.56	10.20	12,070.4	-214.4	760.0	-92.9	12.00	11.70	-5.64
12,150.0	32.50	9.03	12,091.8	-201.7	762.2	-80.1	12.00	11.75	-4.71
12,175.0	35.44	8.03	12,112.5	-187.9	764.2	-66.1	12.00	11.79	-4.01
12,200.0	38.40	7.16	12,132.5	-173.0	766.2	-51.1	12.00	11.82	-3.46
12,225.0	41.36	6.40	12,151.7	-157.1	768.1	-35.1	12.00	11.84	-3.04
12,250.0	44.32	5.72	12,170.0	-140.2	769.9	-18.1	12.00	11.86	-2.70
12,275.0	47.29	5.12	12,187.4	-122.4	771.6	-0.2	12.00	11.87	-2.43
12,300.0	50.26	4.56	12,203.9	-103.7	773.2	18.6	12.00	11.88	-2.21
12,325.0	53.24	4.06	12,219.4	-84.1	774.7	38.1	12.00	11.89	-2.03
12,350.0	56.21	3.59	12,233.8	-63.7	776.0	58.4	12.00	11.90	-1.87
12,375.0	59.19	3.15	12,247.2	-42.6	777.3	79.5	12.00	11.91	-1.75
12,400.0	62.17	2.74	12,259.4	-20.9	778.4	101.1	12.00	11.91	-1.64
12,425.0	65.15	2.35	12,270.5	1.5	779.4	123.4	12.00	11.92	-1.56
12,446.0	67.65	2.04	12,278.9	20.8	780.1	142.5	12.00	11.92	-1.49
FTP(Braswell 16 ST 707H)									
12,450.0	68.13	1.98	12,280.4	24.5	780.2	146.2	12.00	11.92	-1.45
12,475.0	71.11	1.63	12,289.1	47.9	781.0	169.4	12.00	11.93	-1.42
12,500.0	74.09	1.28	12,296.6	71.7	781.6	193.1	12.00	11.93	-1.37
12,525.0	77.07	0.95	12,302.8	95.9	782.0	217.1	12.00	11.93	-1.33
12,550.0	80.06	0.63	12,307.8	120.4	782.4	241.3	12.00	11.93	-1.30
12,575.0	83.04	0.31	12,311.5	145.1	782.6	265.8	12.00	11.93	-1.28
12,600.0	86.02	359.99	12,313.8	170.0	782.6	290.3	12.00	11.93	-1.26
12,625.0	89.01	359.68	12,314.9	195.0	782.6	315.0	12.00	11.93	-1.25
12,633.3	90.00	359.58	12,315.0	203.3	782.5	323.2	12.00	11.93	-1.25
12,700.0	90.00	359.58	12,315.0	270.0	782.0	389.0	0.00	0.00	0.00
12,800.0	90.00	359.58	12,315.0	370.0	781.3	487.6	0.00	0.00	0.00
12,900.0	90.00	359.58	12,315.0	470.0	780.5	586.3	0.00	0.00	0.00
13,000.0	90.00	359.58	12,315.0	570.0	779.8	684.9	0.00	0.00	0.00
13,100.0	90.00	359.58	12,315.0	670.0	779.1	783.6	0.00	0.00	0.00
13,200.0	90.00	359.58	12,315.0	770.0	778.3	882.2	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: Braswell 16 State
Well: #707H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 25' @ 3297.0usft
MD Reference: KB = 25' @ 3297.0usft
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)
13,300.0	90.00	359.58	12,315.0	870.0	777.6	980.9	0.00	0.00	0.00
13,400.0	90.00	359.58	12,315.0	970.0	776.8	1,079.5	0.00	0.00	0.00
13,500.0	90.00	359.58	12,315.0	1,070.0	776.1	1,178.2	0.00	0.00	0.00
13,600.0	90.00	359.58	12,315.0	1,170.0	775.4	1,276.8	0.00	0.00	0.00
13,700.0	90.00	359.58	12,315.0	1,270.0	774.6	1,375.5	0.00	0.00	0.00
13,800.0	90.00	359.58	12,315.0	1,370.0	773.9	1,474.2	0.00	0.00	0.00
13,900.0	90.00	359.58	12,315.0	1,470.0	773.1	1,572.8	0.00	0.00	0.00
14,000.0	90.00	359.58	12,315.0	1,570.0	772.4	1,671.5	0.00	0.00	0.00
14,100.0	90.00	359.58	12,315.0	1,670.0	771.7	1,770.1	0.00	0.00	0.00
14,200.0	90.00	359.58	12,315.0	1,770.0	770.9	1,868.8	0.00	0.00	0.00
14,300.0	90.00	359.58	12,315.0	1,870.0	770.2	1,967.4	0.00	0.00	0.00
14,400.0	90.00	359.58	12,315.0	1,970.0	769.4	2,066.1	0.00	0.00	0.00
14,500.0	90.00	359.58	12,315.0	2,070.0	768.7	2,164.7	0.00	0.00	0.00
14,600.0	90.00	359.58	12,315.0	2,170.0	768.0	2,263.4	0.00	0.00	0.00
14,700.0	90.00	359.58	12,315.0	2,269.9	767.2	2,362.0	0.00	0.00	0.00
14,800.0	90.00	359.58	12,315.0	2,369.9	766.5	2,460.7	0.00	0.00	0.00
14,900.0	90.00	359.58	12,315.0	2,469.9	765.7	2,559.3	0.00	0.00	0.00
15,000.0	90.00	359.58	12,315.0	2,569.9	765.0	2,658.0	0.00	0.00	0.00
15,100.0	90.00	359.58	12,315.0	2,669.9	764.3	2,756.6	0.00	0.00	0.00
15,200.0	90.00	359.58	12,315.0	2,769.9	763.5	2,855.3	0.00	0.00	0.00
15,300.0	90.00	359.58	12,315.0	2,869.9	762.8	2,953.9	0.00	0.00	0.00
15,400.0	90.00	359.58	12,315.0	2,969.9	762.0	3,052.6	0.00	0.00	0.00
15,500.0	90.00	359.58	12,315.0	3,069.9	761.3	3,151.2	0.00	0.00	0.00
15,600.0	90.00	359.58	12,315.0	3,169.9	760.6	3,249.9	0.00	0.00	0.00
15,700.0	90.00	359.58	12,315.0	3,269.9	759.8	3,348.5	0.00	0.00	0.00
15,800.0	90.00	359.58	12,315.0	3,369.9	759.1	3,447.2	0.00	0.00	0.00
15,900.0	90.00	359.58	12,315.0	3,469.9	758.3	3,545.8	0.00	0.00	0.00
16,000.0	90.00	359.58	12,315.0	3,569.9	757.6	3,644.5	0.00	0.00	0.00
16,100.0	90.00	359.58	12,315.0	3,669.9	756.9	3,743.1	0.00	0.00	0.00
16,200.0	90.00	359.58	12,315.0	3,769.9	756.1	3,841.8	0.00	0.00	0.00
16,300.0	90.00	359.58	12,315.0	3,869.9	755.4	3,940.4	0.00	0.00	0.00
16,400.0	90.00	359.58	12,315.0	3,969.9	754.6	4,039.1	0.00	0.00	0.00
16,500.0	90.00	359.58	12,315.0	4,069.9	753.9	4,137.7	0.00	0.00	0.00
16,600.0	90.00	359.58	12,315.0	4,169.9	753.1	4,236.4	0.00	0.00	0.00
16,700.0	90.00	359.58	12,315.0	4,269.9	752.4	4,335.0	0.00	0.00	0.00
16,800.0	90.00	359.58	12,315.0	4,369.9	751.7	4,433.7	0.00	0.00	0.00
16,900.0	90.00	359.58	12,315.0	4,469.9	750.9	4,532.3	0.00	0.00	0.00
17,000.0	90.00	359.58	12,315.0	4,569.9	750.2	4,631.0	0.00	0.00	0.00
17,100.0	90.00	359.58	12,315.0	4,669.9	749.4	4,729.6	0.00	0.00	0.00
17,160.1	90.00	359.58	12,315.0	4,730.0	749.0	4,788.9	0.00	0.00	0.00

PBHL(Braswell 16 ST 707H)



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Braswell 16 State
Well: #707H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 25' @ 3297.0usft
MD Reference: KB = 25' @ 3297.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
FTP(Braswell 16 ST 707	0.00	0.00	12,315.0	5.0	785.0	378,007.00	733,010.00	32° 2' 13.294 N	103° 34' 52.977 W
- plan misses target center by 39.7usft at 12446.0usft MD (12278.9 TVD, 20.8 N, 780.1 E)									
- Point									
PBHL(Braswell 16 ST 707	0.00	0.00	12,315.0	4,730.0	749.0	382,732.00	732,974.00	32° 3' 0.054 N	103° 34' 53.013 W
- plan hits target center									
- Point									



Lea County, NM (NAD 27 NME)

Orrtanna 20 Fed #703H

Plan #0.1

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

WELL DETAILS: #703H

Ground Level: 3232.0
KB = 25' @ 3257.0usft
Northing: 372600.00 Easting: 728520.00 Latitude: 32° 1' 20.093 N Longitude: 103° 39' 45.565 W

Azimuths to Grid North
True North: -0.39°
Magnetic North: 6.65°

Magnetic Field
Strength: 47900.0snT
Dip Angle: 69.88°
Date: 8/25/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.65°
To convert a Magnetic Direction to a True Direction, Add 7.04° East
To convert a True Direction to a Grid Direction, Subtract 0.39°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VFace	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0		
3	4773.5	2.74	239.82	4773.4	-3.3	-6.9	1.00	239.82	-2.9		
4	11834.8	2.74	239.82	11828.6	-172.7	-296.9	0.00	0.00	-150.5		
5	12897.7	90.20	359.59	12315.0	306.1	-320.7	12.00	119.74	328.7		
6	17112.7	90.20	359.59	12299.2	4821.0	-363.0	0.00	0.00	4933.9		

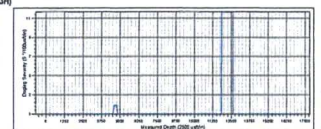
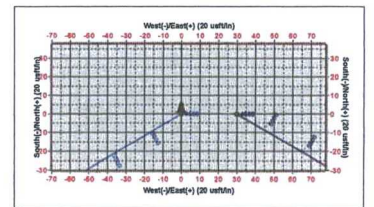
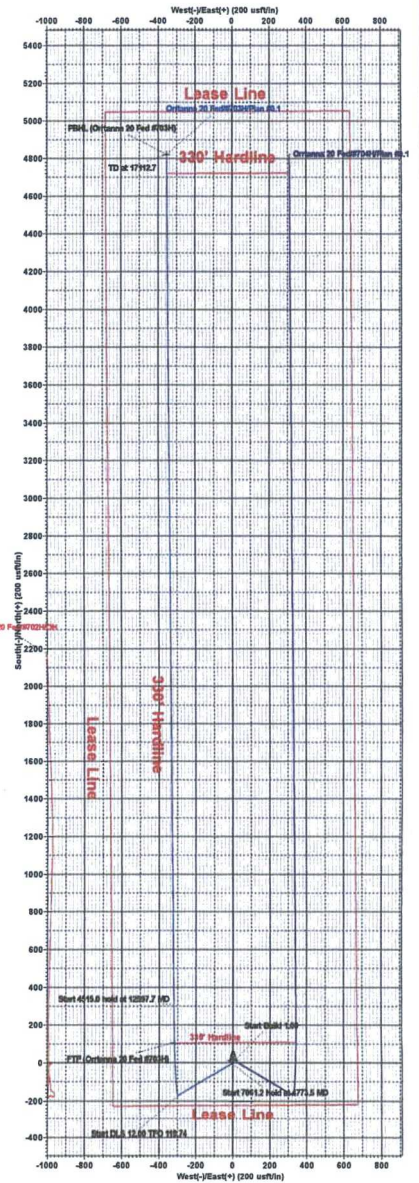
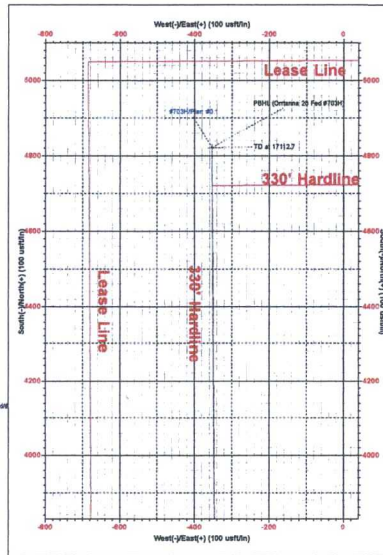
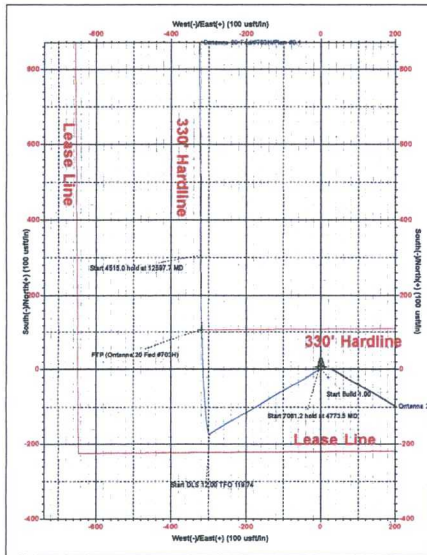
PBHL (Orrtanna 20 Fed #703H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Orrtanna 20 Fed #703H)	12299.2	4821.0	-363.0	377421.00	728167.00
FTP (Orrtanna 20 Fed #703H)	12315.0	106.0	-319.0	372706.00	728201.00



Lea County, NM (NAD 27 NME)
Orrtanna 20 Fed #703H
Plan #0.1
12/16/2016