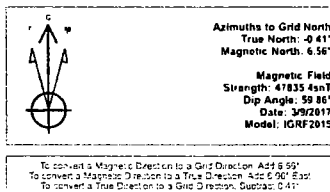




Lea County, NM (NAD 83 NME)

Barlow 34 Fed Com #704H

Plan #0.1



PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

WELL DETAILS: #704H

Ground Level: 3280.00
 KB = 25' @ 3305.00usft
 Northing: 364982.00
 Easting: 779971.00
 Latitude: 32.90108006
 Longitude: -103.56351942

SECTION DETAILS

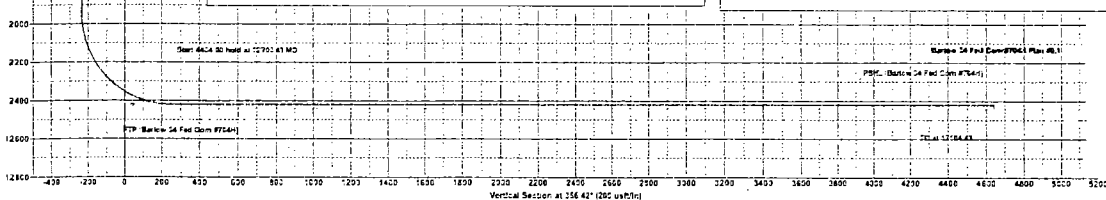
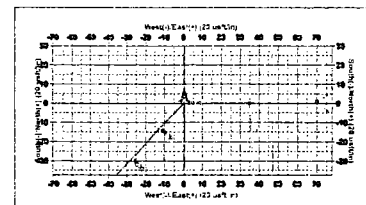
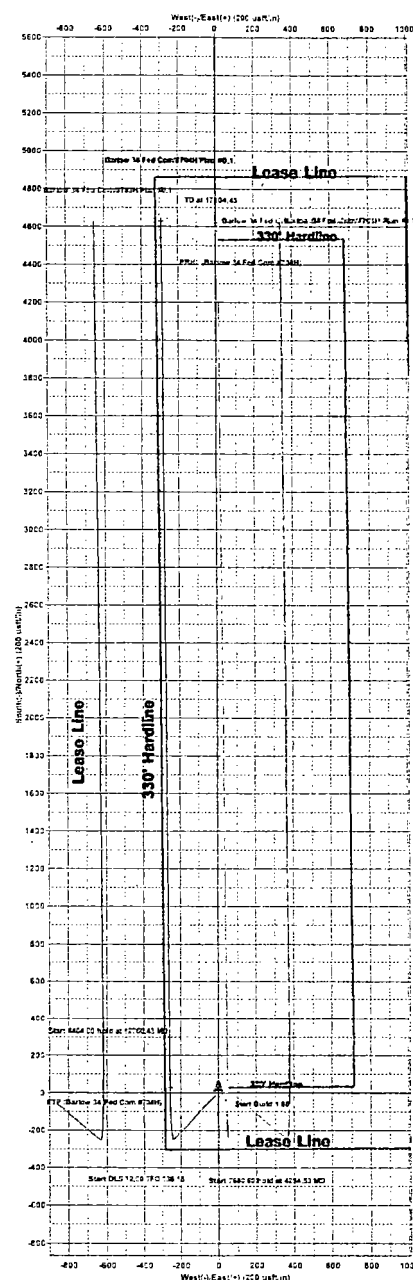
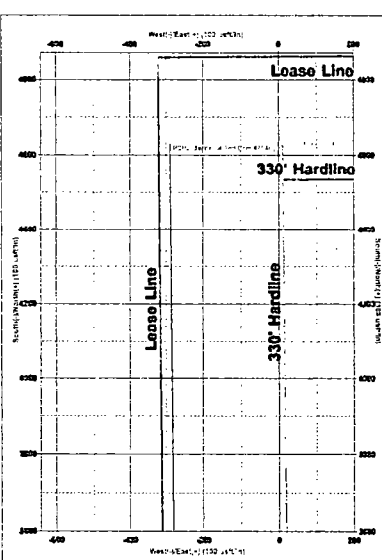
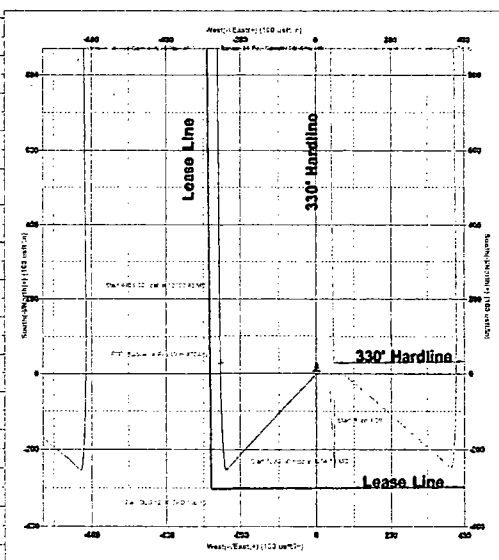
Sec	MO	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	VFace	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	4000.59	0.50	0.50	4000.09	0.00	0.00	0.50	0.00	0.00		
3	4254.53	2.55	223.39	4254.45	-4.11	-3.88	1.00	223.39	-3.85		
4	11935.13	2.55	223.39	11927.47	-251.97	-238.21	0.00	0.00	-238.58		
5	12750.43	90.00	359.57	12420.00	225.12	-256.25	12.00	136.15	240.75		
6	17154.43	90.00	359.57	12420.00	4520.00	-250.00	0.00	0.00	4538.08		PBHL (Barlow 34 Fed Com #704H)

CASING DETAILS

Nb 35662 SMD G 30-3420W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Barlow 34 Fed Com #704H)	12420.00	4520.00	-250.00	363011.00	779681.00
FTP (Barlow 34 Fed Com #704H)	12420.00	28.00	-253.00	365010.00	779718.00





HOBBS OCD
OCT 30 2017

RECEIVED

EOG resources

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Barlow 34 Fed Com

#704H

OH

Plan: Plan #0.1

Standard Planning Report

09 March, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Barlow 34 Fed Com
 Well: #704H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
 TVD Reference: KB = 25' @ 3305.00usft
 MD Reference: KB = 25' @ 3305.00usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Barlow 34 Fed Com

Site Position: Northing: 364,974.00 usft Latitude: 32.00107741
 From: Map Easting: 778,931.00 usft Longitude: -103.56671303
 Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 " Grid Convergence: 0.41 °

Well #704H

Well Position +N/-S 8.00 usft Northing: 364,982.00 usft Latitude: 32.00108006
 +E/-W 990.00 usft Easting: 779,971.00 usft Longitude: -103.56351942
 Position Uncertainty 0.00 usft Wellhead Elevation: 0.00 usft Ground Level: 3.290.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/9/2017	6.96	59.86	47,835

Design Plan #0.1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	356.42

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,254.53	2.55	223.39	4,254.45	-4.11	-3.88	1.00	1.00	0.00	223.39	
11,935.13	2.55	223.39	11,927.47	-251.97	-238.21	0.00	0.00	0.00	0.00	
12,700.43	90.00	359.57	12,420.00	225.12	-256.95	12.00	11.43	17.79	136.15	
17,104.43	90.00	359.57	12,420.00	4,629.00	-290.00	0.00	0.00	0.00	0.00	PBHL (Barlow 34 Fed)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Barlow 34 Fed Corn
 Well: #704H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
 TVD Reference: KB = 25' @ 3305.00usft
 MD Reference: KB = 25' @ 3305.00usft
 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	223.39	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	223.39	4,100.00	-0.63	-0.60	-0.60	1.00	1.00	0.00
4,200.00	2.00	223.39	4,199.96	-2.54	-2.40	-2.38	1.00	1.00	0.00
4,254.53	2.55	223.39	4,254.45	-4.11	-3.86	-3.86	1.00	1.00	0.00
4,300.00	2.55	223.39	4,299.87	-5.57	-5.27	-5.23	0.00	0.00	0.00
4,400.00	2.55	223.39	4,399.77	-8.80	-8.32	-8.26	0.00	0.00	0.00
4,500.00	2.55	223.39	4,499.67	-12.03	-11.37	-11.29	0.00	0.00	0.00
4,600.00	2.55	223.39	4,599.58	-15.26	-14.42	-14.32	0.00	0.00	0.00
4,700.00	2.55	223.39	4,699.48	-18.48	-17.47	-17.35	0.00	0.00	0.00
4,800.00	2.55	223.39	4,799.38	-21.71	-20.52	-20.38	0.00	0.00	0.00
4,900.00	2.55	223.39	4,899.28	-24.94	-23.58	-23.41	0.00	0.00	0.00
5,000.00	2.55	223.39	4,999.18	-28.16	-26.63	-26.44	0.00	0.00	0.00
5,100.00	2.55	223.39	5,099.08	-31.39	-29.68	-29.47	0.00	0.00	0.00
5,200.00	2.55	223.39	5,198.98	-34.62	-32.73	-32.50	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 83 NME)
 Site: Barlow 34 Fed Com
 Well: #704H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
 TVD Reference: KB = 25' @ 3305.00usft
 MD Reference: KB = 25' @ 3305.00usft
 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)
5,300.00	2.55	223.39	5,298.88	-37.85	-35.78	-35.53	0.00	0.00	0.00
5,400.00	2.55	223.39	5,398.79	-41.07	-38.83	-38.56	0.00	0.00	0.00
5,500.00	2.55	223.39	5,498.69	-44.30	-41.88	-41.59	0.00	0.00	0.00
5,600.00	2.55	223.39	5,598.59	-47.53	-44.93	-44.62	0.00	0.00	0.00
5,700.00	2.55	223.39	5,698.49	-50.75	-47.98	-47.65	0.00	0.00	0.00
5,800.00	2.55	223.39	5,798.39	-53.98	-51.03	-50.68	0.00	0.00	0.00
5,900.00	2.55	223.39	5,898.29	-57.21	-54.08	-53.72	0.00	0.00	0.00
6,000.00	2.55	223.39	5,998.19	-60.44	-57.14	-56.75	0.00	0.00	0.00
6,100.00	2.55	223.39	6,098.10	-63.66	-60.19	-59.78	0.00	0.00	0.00
6,200.00	2.55	223.39	6,198.00	-66.89	-63.24	-62.81	0.00	0.00	0.00
6,300.00	2.55	223.39	6,297.90	-70.12	-66.29	-65.84	0.00	0.00	0.00
6,400.00	2.55	223.39	6,397.80	-73.34	-69.34	-68.87	0.00	0.00	0.00
6,500.00	2.55	223.39	6,497.70	-76.57	-72.39	-71.90	0.00	0.00	0.00
6,600.00	2.55	223.39	6,597.60	-79.80	-75.44	-74.93	0.00	0.00	0.00
6,700.00	2.55	223.39	6,697.50	-83.03	-78.49	-77.96	0.00	0.00	0.00
6,800.00	2.55	223.39	6,797.41	-86.25	-81.54	-80.99	0.00	0.00	0.00
6,900.00	2.55	223.39	6,897.31	-89.48	-84.59	-84.02	0.00	0.00	0.00
7,000.00	2.55	223.39	6,997.21	-92.71	-87.64	-87.05	0.00	0.00	0.00
7,100.00	2.55	223.39	7,097.11	-95.93	-90.69	-90.08	0.00	0.00	0.00
7,200.00	2.55	223.39	7,197.01	-99.16	-93.75	-93.11	0.00	0.00	0.00
7,300.00	2.55	223.39	7,296.91	-102.39	-96.80	-96.14	0.00	0.00	0.00
7,400.00	2.55	223.39	7,396.81	-105.62	-99.85	-99.17	0.00	0.00	0.00
7,500.00	2.55	223.39	7,496.71	-108.84	-102.90	-102.20	0.00	0.00	0.00
7,600.00	2.55	223.39	7,596.62	-112.07	-105.95	-105.23	0.00	0.00	0.00
7,700.00	2.55	223.39	7,696.52	-115.30	-109.00	-108.26	0.00	0.00	0.00
7,800.00	2.55	223.39	7,796.42	-118.52	-112.05	-111.29	0.00	0.00	0.00
7,900.00	2.55	223.39	7,896.32	-121.75	-115.10	-114.32	0.00	0.00	0.00
8,000.00	2.55	223.39	7,996.22	-124.98	-118.15	-117.35	0.00	0.00	0.00
8,100.00	2.55	223.39	8,096.12	-128.20	-121.20	-120.38	0.00	0.00	0.00
8,200.00	2.55	223.39	8,196.02	-131.43	-124.25	-123.41	0.00	0.00	0.00
8,300.00	2.55	223.39	8,295.93	-134.66	-127.30	-126.44	0.00	0.00	0.00
8,400.00	2.55	223.39	8,395.83	-137.89	-130.36	-129.47	0.00	0.00	0.00
8,500.00	2.55	223.39	8,495.73	-141.11	-133.41	-132.50	0.00	0.00	0.00
8,600.00	2.55	223.39	8,595.63	-144.34	-136.46	-135.53	0.00	0.00	0.00
8,700.00	2.55	223.39	8,695.53	-147.57	-139.51	-138.56	0.00	0.00	0.00
8,800.00	2.55	223.39	8,795.43	-150.79	-142.56	-141.59	0.00	0.00	0.00
8,900.00	2.55	223.39	8,895.33	-154.02	-145.61	-144.62	0.00	0.00	0.00
9,000.00	2.55	223.39	8,995.23	-157.25	-148.66	-147.65	0.00	0.00	0.00
9,100.00	2.55	223.39	9,095.14	-160.48	-151.71	-150.68	0.00	0.00	0.00
9,200.00	2.55	223.39	9,195.04	-163.70	-154.76	-153.71	0.00	0.00	0.00
9,300.00	2.55	223.39	9,294.94	-166.93	-157.81	-156.74	0.00	0.00	0.00
9,400.00	2.55	223.39	9,394.84	-170.16	-160.86	-159.77	0.00	0.00	0.00
9,500.00	2.55	223.39	9,494.74	-173.38	-163.92	-162.80	0.00	0.00	0.00
9,600.00	2.55	223.39	9,594.64	-176.61	-166.97	-165.83	0.00	0.00	0.00
9,700.00	2.55	223.39	9,694.54	-179.84	-170.02	-168.85	0.00	0.00	0.00
9,800.00	2.55	223.39	9,794.45	-183.07	-173.07	-171.89	0.00	0.00	0.00
9,900.00	2.55	223.39	9,894.35	-186.29	-176.12	-174.92	0.00	0.00	0.00
10,000.00	2.55	223.39	9,994.25	-189.52	-179.17	-177.95	0.00	0.00	0.00
10,100.00	2.55	223.39	10,094.15	-192.75	-182.22	-180.98	0.00	0.00	0.00
10,200.00	2.55	223.39	10,194.05	-195.97	-185.27	-184.01	0.00	0.00	0.00
10,300.00	2.55	223.39	10,293.95	-199.20	-188.32	-187.04	0.00	0.00	0.00
10,400.00	2.55	223.39	10,393.85	-202.43	-191.37	-190.07	0.00	0.00	0.00
10,500.00	2.55	223.39	10,493.75	-205.66	-194.42	-193.10	0.00	0.00	0.00
10,600.00	2.55	223.39	10,593.66	-208.88	-197.47	-196.13	0.00	0.00	0.00



EOG Resources, Inc.

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Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25' @ 3305.00usft
MD Reference: KB = 25' @ 3305.00usft
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)
10,700.00	2.55	223.39	10,693.56	-212.11	-200.53	-199.16	0.00	0.00	0.00
10,800.00	2.55	223.39	10,793.46	-215.34	-203.58	-202.19	0.00	0.00	0.00
10,900.00	2.55	223.39	10,893.36	-218.56	-206.63	-205.22	0.00	0.00	0.00
11,000.00	2.55	223.39	10,993.26	-221.79	-209.68	-208.25	0.00	0.00	0.00
11,100.00	2.55	223.39	11,093.16	-225.02	-212.73	-211.28	0.00	0.00	0.00
11,200.00	2.55	223.39	11,193.06	-228.25	-215.78	-214.31	0.00	0.00	0.00
11,300.00	2.55	223.39	11,292.97	-231.47	-218.83	-217.34	0.00	0.00	0.00
11,400.00	2.55	223.39	11,392.87	-234.70	-221.88	-220.37	0.00	0.00	0.00
11,500.00	2.55	223.39	11,492.77	-237.93	-224.93	-223.40	0.00	0.00	0.00
11,600.00	2.55	223.39	11,592.67	-241.15	-227.98	-226.43	0.00	0.00	0.00
11,700.00	2.55	223.39	11,692.57	-244.38	-231.03	-229.46	0.00	0.00	0.00
11,800.00	2.55	223.39	11,792.47	-247.61	-234.08	-232.49	0.00	0.00	0.00
11,900.00	2.55	223.39	11,892.37	-250.83	-237.14	-235.52	0.00	0.00	0.00
11,935.13	2.55	223.39	11,927.47	-251.97	-238.21	-236.58	0.00	0.00	0.00
11,950.00	1.76	267.88	11,942.33	-252.22	-238.66	-236.80	12.00	-5.26	299.23
11,975.00	3.43	328.72	11,967.31	-251.59	-239.44	-236.13	12.00	6.68	243.33
12,000.00	6.20	343.12	11,992.22	-249.66	-240.22	-234.15	12.00	11.07	57.61
12,025.00	9.12	348.51	12,016.99	-246.42	-241.00	-230.87	12.00	11.66	21.58
12,050.00	12.08	351.30	12,041.56	-241.90	-241.79	-226.30	12.00	11.83	11.13
12,075.00	15.05	353.00	12,065.86	-236.09	-242.59	-220.45	12.00	11.90	6.79
12,100.00	18.03	354.14	12,089.83	-229.02	-243.38	-213.35	12.00	11.93	4.59
12,125.00	21.02	354.98	12,113.39	-220.70	-244.16	-205.00	12.00	11.95	3.32
12,150.00	24.01	355.61	12,136.48	-211.16	-244.95	-195.43	12.00	11.96	2.53
12,175.00	27.00	356.11	12,159.04	-200.42	-245.72	-184.67	12.00	11.97	2.00
12,200.00	30.00	356.51	12,181.01	-188.52	-246.49	-172.74	12.00	11.97	1.63
12,225.00	32.99	356.85	12,202.32	-175.49	-247.24	-159.68	12.00	11.98	1.36
12,250.00	35.99	357.14	12,222.93	-161.35	-247.98	-145.53	12.00	11.98	1.15
12,275.00	38.98	357.39	12,242.76	-145.16	-248.71	-130.32	12.00	11.98	1.00
12,300.00	41.98	357.61	12,261.78	-129.94	-249.41	-114.10	12.00	11.99	0.88
12,325.00	44.98	357.80	12,279.91	-112.76	-250.10	-96.90	12.00	11.99	0.78
12,350.00	47.97	357.98	12,297.13	-94.65	-250.77	-78.78	12.00	11.99	0.70
12,375.00	50.97	358.14	12,313.37	-75.66	-251.41	-59.79	12.00	11.99	0.64
12,400.00	53.97	358.29	12,328.60	-55.84	-252.03	-39.98	12.00	11.99	0.59
12,425.00	56.97	358.42	12,342.77	-35.26	-252.62	-19.40	12.00	11.99	0.54
12,450.00	59.96	358.55	12,355.85	-13.96	-253.18	1.90	12.00	11.99	0.51
12,475.00	62.96	358.67	12,367.79	7.99	-253.71	23.84	12.00	11.99	0.48
12,500.00	65.96	358.78	12,378.56	30.54	-254.21	46.38	12.00	11.99	0.45
12,525.00	68.96	358.89	12,388.15	53.62	-254.68	69.44	12.00	11.99	0.43
12,550.00	71.96	359.00	12,396.51	77.18	-255.12	92.98	12.00	11.99	0.42
12,575.00	74.96	359.10	12,403.63	101.14	-255.51	116.92	12.00	11.99	0.40
12,600.00	77.95	359.19	12,409.48	125.44	-255.88	141.19	12.00	11.99	0.39
12,625.00	80.95	359.29	12,414.06	150.01	-256.20	165.73	12.00	11.99	0.38
12,650.00	83.95	359.38	12,417.34	174.79	-256.49	190.48	12.00	11.99	0.38
12,675.00	86.95	359.48	12,419.32	199.70	-256.74	215.37	12.00	11.99	0.37
12,700.43	90.00	359.57	12,420.00	225.12	-256.95	240.75	12.00	11.99	0.37
12,800.00	90.00	359.57	12,420.00	324.69	-257.70	340.17	0.00	0.00	0.00
12,900.00	90.00	359.57	12,420.00	424.69	-258.45	440.01	0.00	0.00	0.00
13,000.00	90.00	359.57	12,420.00	524.68	-259.20	539.86	0.00	0.00	0.00
13,100.00	90.00	359.57	12,420.00	624.68	-259.95	639.71	0.00	0.00	0.00
13,200.00	90.00	359.57	12,420.00	724.68	-260.70	739.56	0.00	0.00	0.00
13,300.00	90.00	359.57	12,420.00	824.67	-261.45	839.41	0.00	0.00	0.00
13,400.00	90.00	359.57	12,420.00	924.67	-262.20	939.26	0.00	0.00	0.00
13,500.00	90.00	359.57	12,420.00	1,024.67	-262.95	1,039.11	0.00	0.00	0.00
13,600.00	90.00	359.57	12,420.00	1,124.67	-263.70	1,138.95	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 83 NME)
 Site: Barlow 34 Fed Cor
 Well: #704H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
 TVD Reference: KB = 25' @ 3305.00usft
 MD Reference: KB = 25' @ 3305.00usft
 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)
13,700.00	90.00	359.57	12,420.00	1,224.66	-264.45	1,238.80	0.00	0.00	0.00
13,800.00	90.00	359.57	12,420.00	1,324.66	-265.20	1,338.65	0.00	0.00	0.00
13,900.00	90.00	359.57	12,420.00	1,424.66	-265.95	1,438.50	0.00	0.00	0.00
14,000.00	90.00	359.57	12,420.00	1,524.66	-266.70	1,538.35	0.00	0.00	0.00
14,100.00	90.00	359.57	12,420.00	1,624.65	-267.45	1,638.20	0.00	0.00	0.00
14,200.00	90.00	359.57	12,420.00	1,724.65	-268.20	1,738.04	0.00	0.00	0.00
14,300.00	90.00	359.57	12,420.00	1,824.65	-268.95	1,837.89	0.00	0.00	0.00
14,400.00	90.00	359.57	12,420.00	1,924.64	-269.70	1,937.74	0.00	0.00	0.00
14,500.00	90.00	359.57	12,420.00	2,024.64	-270.45	2,037.59	0.00	0.00	0.00
14,600.00	90.00	359.57	12,420.00	2,124.64	-271.20	2,137.44	0.00	0.00	0.00
14,700.00	90.00	359.57	12,420.00	2,224.64	-271.95	2,237.29	0.00	0.00	0.00
14,800.00	90.00	359.57	12,420.00	2,324.63	-272.71	2,337.14	0.00	0.00	0.00
14,900.00	90.00	359.57	12,420.00	2,424.63	-273.46	2,436.98	0.00	0.00	0.00
15,000.00	90.00	359.57	12,420.00	2,524.63	-274.21	2,536.83	0.00	0.00	0.00
15,100.00	90.00	359.57	12,420.00	2,624.62	-274.96	2,636.68	0.00	0.00	0.00
15,200.00	90.00	359.57	12,420.00	2,724.62	-275.71	2,736.53	0.00	0.00	0.00
15,300.00	90.00	359.57	12,420.00	2,824.62	-276.46	2,836.38	0.00	0.00	0.00
15,400.00	90.00	359.57	12,420.00	2,924.62	-277.21	2,936.23	0.00	0.00	0.00
15,500.00	90.00	359.57	12,420.00	3,024.61	-277.96	3,036.07	0.00	0.00	0.00
15,600.00	90.00	359.57	12,420.00	3,124.61	-278.71	3,135.92	0.00	0.00	0.00
15,700.00	90.00	359.57	12,420.00	3,224.61	-279.46	3,235.77	0.00	0.00	0.00
15,800.00	90.00	359.57	12,420.00	3,324.60	-280.21	3,335.62	0.00	0.00	0.00
15,900.00	90.00	359.57	12,420.00	3,424.60	-280.96	3,435.47	0.00	0.00	0.00
16,000.00	90.00	359.57	12,420.00	3,524.60	-281.71	3,535.32	0.00	0.00	0.00
16,100.00	90.00	359.57	12,420.00	3,624.60	-282.46	3,635.17	0.00	0.00	0.00
16,200.00	90.00	359.57	12,420.00	3,724.59	-283.21	3,735.01	0.00	0.00	0.00
16,300.00	90.00	359.57	12,420.00	3,824.59	-283.96	3,834.86	0.00	0.00	0.00
16,400.00	90.00	359.57	12,420.00	3,924.59	-284.71	3,934.71	0.00	0.00	0.00
16,500.00	90.00	359.57	12,420.00	4,024.58	-285.46	4,034.56	0.00	0.00	0.00
16,600.00	90.00	359.57	12,420.00	4,124.58	-286.21	4,134.41	0.00	0.00	0.00
16,700.00	90.00	359.57	12,420.00	4,224.58	-286.96	4,234.26	0.00	0.00	0.00
16,800.00	90.00	359.57	12,420.00	4,324.58	-287.72	4,334.10	0.00	0.00	0.00
16,900.00	90.00	359.57	12,420.00	4,424.57	-288.47	4,433.95	0.00	0.00	0.00
17,000.00	90.00	359.57	12,420.00	4,524.57	-289.22	4,533.80	0.00	0.00	0.00
17,104.43	90.00	359.57	12,420.00	4,629.00	-290.00	4,638.08	0.00	0.00	0.00

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 (Barlow 34 Fed Cor)	0.00	0.01	12,420.00	4,629.00	-290.00	369,611.00	779,681.00	32.01380971	-103.56434864
- plan hits target center:									
- Point									
FTP (Barlow 34 Fed Cor)	0.00	0.00	12,420.00	28.00	-253.00	365,010.00	779,718.00	32.00116198	-103.56433488
- plan misses target center by 39.11usft at 12513.52usft MD (12363.90 TVD, 42.96 N, -254.47 E)									
- Point									