

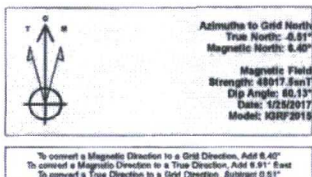


Lea County, NM (NAD 27 NME)

Beowulf 33 State Com #601H

H&P 621

Plan #0.2



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: #601H

Ground Level: 3404.9
KB = 25 @ 3429.0usR (H&P 621)
Northing 487637.00 Easting 796072.90 32° 18' 16.310 N 103° 22' 31.197 W

SECTION DETAILS

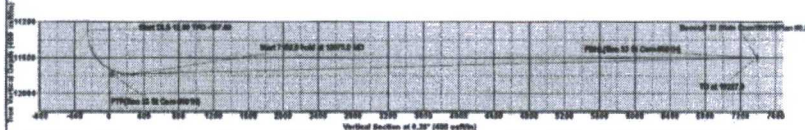
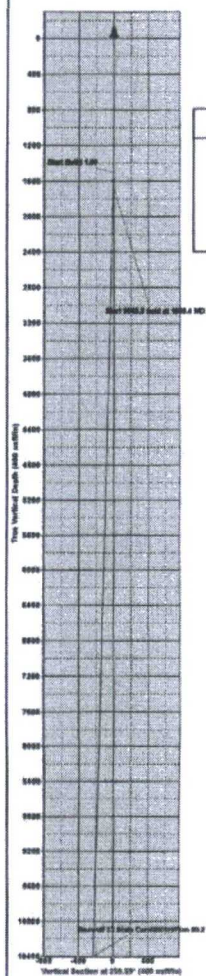
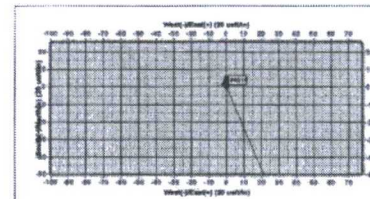
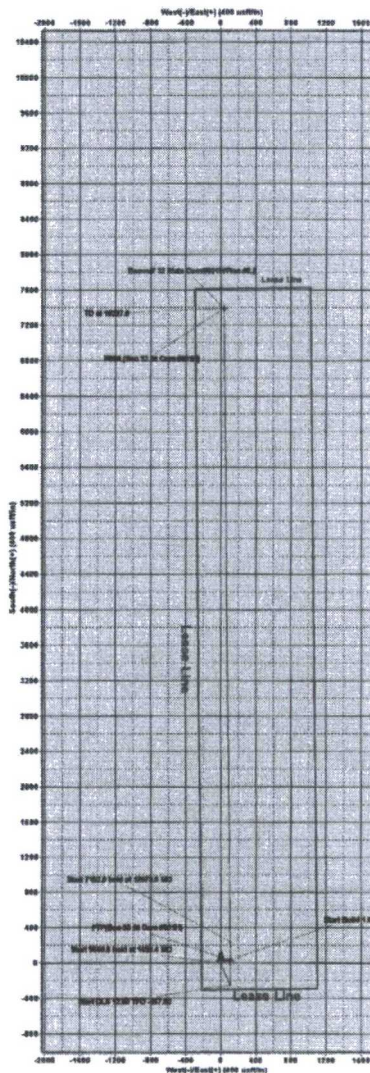
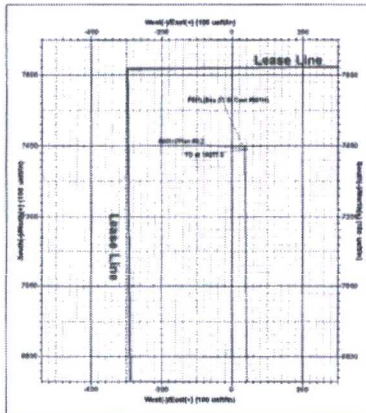
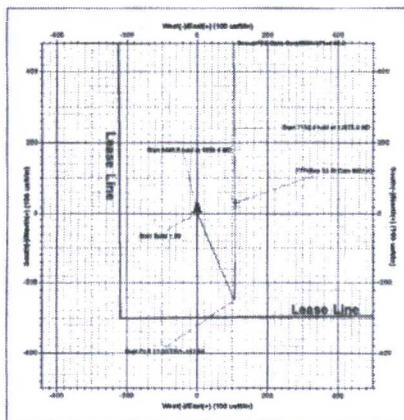
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V8ect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1859.4	1.59	157.06	1859.4	-2.0	0.9	1.00	157.06	-2.0	
4	11300.2	1.59	157.06	11296.5	-249.0	105.4	0.00	0.00	-248.5	
5	12075.0	91.50	359.44	11786.0	240.8	105.9	12.00	-157.60	241.3	
6	19227.0	91.50	359.44	11598.8	7390.0	36.0	0.00	0.00	7390.1	PBHL(Beo 33 St Com #601H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(Beo 33 St Com #601H)	11598.8	7390.0	36.0	487637.00	796108.00
FTP(Beo 33 St Com #601H)	11786.0	31.0	105.0	487699.90	796181.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Beowulf 33 State Com

#601H

OH

Plan: Plan #0.2

Standard Planning Report

11 January, 2017



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Site:	Beowulf 33 State Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	Beowulf 33 State Com			
Site Position:		Northing:	457,637.00 usft	Latitude: 32° 15' 16.310 N
From:	Map	Easting:	796,072.00 usft	Longitude: 103° 22' 32.197 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.51 °

Well	#601H			
Well Position	+N/-S	0.0 usft	Northing: 457,637.00 usft	Latitude: 32° 15' 16.310 N
	+E/-W	0.0 usft	Easting: 796,072.00 usft	Longitude: 103° 22' 32.197 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,404.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/25/2017	6.91	60.13	48,017

Design	Plan #0.2			
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	0.28

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,659.4	1.59	157.06	1,659.4	-2.0	0.9	1.00	1.00	0.00	157.06	
11,300.2	1.59	157.06	11,296.5	-249.0	105.4	0.00	0.00	0.00	0.00	
12,075.0	91.50	359.44	11,786.0	240.8	105.9	12.00	11.60	-20.34	-157.60	
19,227.0	91.50	359.44	11,598.8	7,390.0	36.0	0.00	0.00	0.00	0.00	PBHL(Beo 33 St Com)



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Site:	Beowulf 33 State Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	1.00	157.06	1,600.0	-0.8	0.3	-0.8	1.00	1.00	0.00
1,659.4	1.59	157.06	1,659.4	-2.0	0.9	-2.0	1.00	1.00	0.00
1,700.0	1.59	157.06	1,700.0	-3.1	1.3	-3.1	0.00	0.00	0.00
1,800.0	1.59	157.06	1,799.9	-5.6	2.4	-5.6	0.00	0.00	0.00
1,900.0	1.59	157.06	1,899.9	-8.2	3.5	-8.2	0.00	0.00	0.00
2,000.0	1.59	157.06	1,999.8	-10.8	4.6	-10.7	0.00	0.00	0.00
2,100.0	1.59	157.06	2,099.8	-13.3	5.6	-13.3	0.00	0.00	0.00
2,200.0	1.59	157.06	2,199.8	-15.9	6.7	-15.9	0.00	0.00	0.00
2,300.0	1.59	157.06	2,299.7	-18.5	7.8	-18.4	0.00	0.00	0.00
2,400.0	1.59	157.06	2,399.7	-21.0	8.9	-21.0	0.00	0.00	0.00
2,500.0	1.59	157.06	2,499.7	-23.6	10.0	-23.5	0.00	0.00	0.00
2,600.0	1.59	157.06	2,599.6	-26.1	11.1	-26.1	0.00	0.00	0.00
2,700.0	1.59	157.06	2,699.6	-28.7	12.1	-28.6	0.00	0.00	0.00
2,800.0	1.59	157.06	2,799.5	-31.3	13.2	-31.2	0.00	0.00	0.00
2,900.0	1.59	157.06	2,899.5	-33.8	14.3	-33.8	0.00	0.00	0.00
3,000.0	1.59	157.06	2,999.5	-36.4	15.4	-36.3	0.00	0.00	0.00
3,100.0	1.59	157.06	3,099.4	-39.0	16.5	-38.9	0.00	0.00	0.00
3,200.0	1.59	157.06	3,199.4	-41.5	17.6	-41.4	0.00	0.00	0.00
3,300.0	1.59	157.06	3,299.3	-44.1	18.7	-44.0	0.00	0.00	0.00
3,400.0	1.59	157.06	3,399.3	-46.6	19.7	-46.5	0.00	0.00	0.00
3,500.0	1.59	157.06	3,499.3	-49.2	20.8	-49.1	0.00	0.00	0.00
3,600.0	1.59	157.06	3,599.2	-51.8	21.9	-51.7	0.00	0.00	0.00
3,700.0	1.59	157.06	3,699.2	-54.3	23.0	-54.2	0.00	0.00	0.00
3,800.0	1.59	157.06	3,799.2	-56.9	24.1	-56.8	0.00	0.00	0.00
3,900.0	1.59	157.06	3,899.1	-59.4	25.2	-59.3	0.00	0.00	0.00
4,000.0	1.59	157.06	3,999.1	-62.0	26.2	-61.9	0.00	0.00	0.00
4,100.0	1.59	157.06	4,099.0	-64.6	27.3	-64.4	0.00	0.00	0.00
4,200.0	1.59	157.06	4,199.0	-67.1	28.4	-67.0	0.00	0.00	0.00
4,300.0	1.59	157.06	4,299.0	-69.7	29.5	-69.5	0.00	0.00	0.00
4,400.0	1.59	157.06	4,398.9	-72.3	30.6	-72.1	0.00	0.00	0.00
4,500.0	1.59	157.06	4,498.9	-74.8	31.7	-74.7	0.00	0.00	0.00
4,600.0	1.59	157.06	4,598.8	-77.4	32.8	-77.2	0.00	0.00	0.00
4,700.0	1.59	157.06	4,698.8	-79.9	33.8	-79.8	0.00	0.00	0.00
4,800.0	1.59	157.06	4,798.8	-82.5	34.9	-82.3	0.00	0.00	0.00
4,900.0	1.59	157.06	4,898.7	-85.1	36.0	-84.9	0.00	0.00	0.00
5,000.0	1.59	157.06	4,998.7	-87.6	37.1	-87.4	0.00	0.00	0.00
5,100.0	1.59	157.06	5,098.6	-90.2	38.2	-90.0	0.00	0.00	0.00
5,200.0	1.59	157.06	5,198.6	-92.8	39.3	-92.6	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: Beowulf 33 State Com
Well: #601H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #601H
KB = 25 @ 3429.0usft (H&P 621)
KB = 25 @ 3429.0usft (H&P 621)
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)
5,300.0	1.59	157.06	5,298.6	-95.3	40.3	-95.1	0.00	0.00	0.00
5,400.0	1.59	157.06	5,398.5	-97.9	41.4	-97.7	0.00	0.00	0.00
5,500.0	1.59	157.06	5,498.5	-100.4	42.5	-100.2	0.00	0.00	0.00
5,600.0	1.59	157.06	5,598.5	-103.0	43.6	-102.8	0.00	0.00	0.00
5,700.0	1.59	157.06	5,698.4	-105.6	44.7	-105.3	0.00	0.00	0.00
5,800.0	1.59	157.06	5,798.4	-108.1	45.8	-107.9	0.00	0.00	0.00
5,900.0	1.59	157.06	5,898.3	-110.7	46.9	-110.5	0.00	0.00	0.00
6,000.0	1.59	157.06	5,998.3	-113.2	47.9	-113.0	0.00	0.00	0.00
6,100.0	1.59	157.06	6,098.3	-115.8	49.0	-115.6	0.00	0.00	0.00
6,200.0	1.59	157.06	6,198.2	-118.4	50.1	-118.1	0.00	0.00	0.00
6,300.0	1.59	157.06	6,298.2	-120.9	51.2	-120.7	0.00	0.00	0.00
6,400.0	1.59	157.06	6,398.1	-123.5	52.3	-123.2	0.00	0.00	0.00
6,500.0	1.59	157.06	6,498.1	-126.1	53.4	-125.8	0.00	0.00	0.00
6,600.0	1.59	157.06	6,598.1	-128.6	54.4	-128.4	0.00	0.00	0.00
6,700.0	1.59	157.06	6,698.0	-131.2	55.5	-130.9	0.00	0.00	0.00
6,800.0	1.59	157.06	6,798.0	-133.7	56.6	-133.5	0.00	0.00	0.00
6,900.0	1.59	157.06	6,898.0	-136.3	57.7	-136.0	0.00	0.00	0.00
7,000.0	1.59	157.06	6,997.9	-138.9	58.8	-138.6	0.00	0.00	0.00
7,100.0	1.59	157.06	7,097.9	-141.4	59.9	-141.1	0.00	0.00	0.00
7,200.0	1.59	157.06	7,197.8	-144.0	60.9	-143.7	0.00	0.00	0.00
7,300.0	1.59	157.06	7,297.8	-146.6	62.0	-146.3	0.00	0.00	0.00
7,400.0	1.59	157.06	7,397.8	-149.1	63.1	-148.8	0.00	0.00	0.00
7,500.0	1.59	157.06	7,497.7	-151.7	64.2	-151.4	0.00	0.00	0.00
7,600.0	1.59	157.06	7,597.7	-154.2	65.3	-153.9	0.00	0.00	0.00
7,700.0	1.59	157.06	7,697.6	-156.8	66.4	-156.5	0.00	0.00	0.00
7,800.0	1.59	157.06	7,797.6	-159.4	67.5	-159.0	0.00	0.00	0.00
7,900.0	1.59	157.06	7,897.6	-161.9	68.5	-161.6	0.00	0.00	0.00
8,000.0	1.59	157.06	7,997.5	-164.5	69.6	-164.1	0.00	0.00	0.00
8,100.0	1.59	157.06	8,097.5	-167.1	70.7	-166.7	0.00	0.00	0.00
8,200.0	1.59	157.06	8,197.4	-169.6	71.8	-169.3	0.00	0.00	0.00
8,300.0	1.59	157.06	8,297.4	-172.2	72.9	-171.8	0.00	0.00	0.00
8,400.0	1.59	157.06	8,397.4	-174.7	74.0	-174.4	0.00	0.00	0.00
8,500.0	1.59	157.06	8,497.3	-177.3	75.0	-176.9	0.00	0.00	0.00
8,600.0	1.59	157.06	8,597.3	-179.9	76.1	-179.5	0.00	0.00	0.00
8,700.0	1.59	157.06	8,697.3	-182.4	77.2	-182.0	0.00	0.00	0.00
8,800.0	1.59	157.06	8,797.2	-185.0	78.3	-184.6	0.00	0.00	0.00
8,900.0	1.59	157.06	8,897.2	-187.5	79.4	-187.2	0.00	0.00	0.00
9,000.0	1.59	157.06	8,997.1	-190.1	80.5	-189.7	0.00	0.00	0.00
9,100.0	1.59	157.06	9,097.1	-192.7	81.6	-192.3	0.00	0.00	0.00
9,200.0	1.59	157.06	9,197.1	-195.2	82.6	-194.8	0.00	0.00	0.00
9,300.0	1.59	157.06	9,297.0	-197.8	83.7	-197.4	0.00	0.00	0.00
9,400.0	1.59	157.06	9,397.0	-200.4	84.8	-199.9	0.00	0.00	0.00
9,500.0	1.59	157.06	9,496.9	-202.9	85.9	-202.5	0.00	0.00	0.00
9,600.0	1.59	157.06	9,596.9	-205.5	87.0	-205.1	0.00	0.00	0.00
9,700.0	1.59	157.06	9,696.9	-208.0	88.1	-207.6	0.00	0.00	0.00
9,800.0	1.59	157.06	9,796.8	-210.6	89.1	-210.2	0.00	0.00	0.00
9,900.0	1.59	157.06	9,896.8	-213.2	90.2	-212.7	0.00	0.00	0.00
10,000.0	1.59	157.06	9,996.8	-215.7	91.3	-215.3	0.00	0.00	0.00
10,100.0	1.59	157.06	10,096.7	-218.3	92.4	-217.8	0.00	0.00	0.00
10,200.0	1.59	157.06	10,196.7	-220.9	93.5	-220.4	0.00	0.00	0.00
10,300.0	1.59	157.06	10,296.6	-223.4	94.6	-223.0	0.00	0.00	0.00
10,400.0	1.59	157.06	10,396.6	-226.0	95.6	-225.5	0.00	0.00	0.00
10,500.0	1.59	157.06	10,496.6	-228.5	96.7	-228.1	0.00	0.00	0.00
10,600.0	1.59	157.06	10,596.5	-231.1	97.8	-230.6	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Site:	Beowulf 33 State Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	1.59	157.06	10,696.5	-233.7	98.9	-233.2	0.00	0.00	0.00
10,800.0	1.59	157.06	10,796.4	-236.2	100.0	-235.7	0.00	0.00	0.00
10,900.0	1.59	157.06	10,896.4	-238.8	101.1	-238.3	0.00	0.00	0.00
11,000.0	1.59	157.06	10,996.4	-241.3	102.2	-240.8	0.00	0.00	0.00
11,100.0	1.59	157.06	11,096.3	-243.9	103.2	-243.4	0.00	0.00	0.00
11,200.0	1.59	157.06	11,196.3	-246.5	104.3	-246.0	0.00	0.00	0.00
11,300.2	1.59	157.06	11,296.5	-249.0	105.4	-248.5	0.00	0.00	0.00
11,325.0	1.62	21.50	11,321.2	-249.0	105.7	-248.5	12.00	0.10	-546.95
11,350.0	4.54	7.13	11,346.2	-247.7	105.9	-247.2	12.00	11.69	-57.47
11,375.0	7.52	4.06	11,371.1	-245.1	106.2	-244.6	12.00	11.93	-12.27
11,400.0	10.52	2.73	11,395.8	-241.2	106.4	-240.7	12.00	11.97	-5.32
11,425.0	13.51	1.98	11,420.2	-236.0	106.6	-235.5	12.00	11.98	-2.98
11,450.0	16.51	1.51	11,444.3	-229.5	106.8	-229.0	12.00	11.99	-1.92
11,475.0	19.51	1.17	11,468.1	-221.8	107.0	-221.3	12.00	11.99	-1.34
11,500.0	22.51	0.92	11,491.5	-212.8	107.1	-212.3	12.00	11.99	-0.99
11,525.0	25.51	0.73	11,514.3	-202.7	107.3	-202.1	12.00	12.00	-0.77
11,550.0	28.51	0.57	11,536.6	-191.3	107.4	-190.8	12.00	12.00	-0.62
11,575.0	31.51	0.45	11,558.2	-178.8	107.5	-178.3	12.00	12.00	-0.51
11,600.0	34.50	0.34	11,579.2	-165.2	107.6	-164.7	12.00	12.00	-0.43
11,625.0	37.50	0.25	11,599.4	-150.5	107.7	-150.0	12.00	12.00	-0.37
11,650.0	40.50	0.17	11,618.8	-134.8	107.7	-134.2	12.00	12.00	-0.32
11,675.0	43.50	0.10	11,637.4	-118.0	107.8	-117.5	12.00	12.00	-0.28
11,700.0	46.50	0.03	11,655.1	-100.4	107.8	-99.8	12.00	12.00	-0.25
11,725.0	49.50	359.97	11,671.8	-81.8	107.8	-81.3	12.00	12.00	-0.23
11,750.0	52.50	359.92	11,687.5	-62.4	107.8	-61.8	12.00	12.00	-0.21
11,775.0	55.50	359.87	11,702.2	-42.1	107.7	-41.6	12.00	12.00	-0.19
11,800.0	58.50	359.83	11,715.8	-21.2	107.7	-20.6	12.00	12.00	-0.18
11,825.0	61.50	359.79	11,728.3	0.5	107.6	1.0	12.00	12.00	-0.17
11,850.0	64.50	359.75	11,739.7	22.7	107.5	23.3	12.00	12.00	-0.16
11,875.0	67.50	359.71	11,749.8	45.6	107.4	46.1	12.00	12.00	-0.15
FTP(Beo 33 St Com #601H)									
11,900.0	70.50	359.67	11,758.8	68.9	107.3	69.4	12.00	12.00	-0.15
11,925.0	73.50	359.64	11,766.5	92.7	107.1	93.2	12.00	12.00	-0.14
11,950.0	76.50	359.60	11,773.0	116.8	107.0	117.4	12.00	12.00	-0.14
11,975.0	79.50	359.57	11,778.2	141.3	106.8	141.8	12.00	12.00	-0.13
12,000.0	82.50	359.54	11,782.1	166.0	106.6	166.5	12.00	12.00	-0.13
12,025.0	85.50	359.50	11,784.7	190.8	106.4	191.4	12.00	12.00	-0.13
12,050.0	88.50	359.47	11,786.0	215.8	106.2	216.3	12.00	12.00	-0.13
12,075.0	91.50	359.44	11,786.0	240.8	105.9	241.3	12.00	12.00	-0.13
12,100.0	91.50	359.44	11,785.4	265.8	105.7	266.3	0.00	0.00	0.00
12,200.0	91.50	359.44	11,782.7	365.7	104.7	366.3	0.00	0.00	0.00
12,300.0	91.50	359.44	11,780.1	465.7	103.7	466.2	0.00	0.00	0.00
12,400.0	91.50	359.44	11,777.5	565.7	102.8	566.2	0.00	0.00	0.00
12,500.0	91.50	359.44	11,774.9	665.6	101.8	666.1	0.00	0.00	0.00
12,600.0	91.50	359.44	11,772.3	765.6	100.8	766.1	0.00	0.00	0.00
12,700.0	91.50	359.44	11,769.7	865.6	99.8	866.0	0.00	0.00	0.00
12,800.0	91.50	359.44	11,767.0	965.5	98.9	966.0	0.00	0.00	0.00
12,900.0	91.50	359.44	11,764.4	1,065.5	97.9	1,065.9	0.00	0.00	0.00
13,000.0	91.50	359.44	11,761.8	1,165.4	96.9	1,165.9	0.00	0.00	0.00
13,100.0	91.50	359.44	11,759.2	1,265.4	95.9	1,265.8	0.00	0.00	0.00
13,200.0	91.50	359.44	11,756.6	1,365.4	94.9	1,365.8	0.00	0.00	0.00
13,300.0	91.50	359.44	11,754.0	1,465.3	94.0	1,465.8	0.00	0.00	0.00
13,400.0	91.50	359.44	11,751.3	1,565.3	93.0	1,565.7	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Site:	Beowulf 33 State Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	91.50	359.44	11,748.7	1,665.2	92.0	1,665.7	0.00	0.00	0.00
13,600.0	91.50	359.44	11,746.1	1,765.2	91.0	1,765.6	0.00	0.00	0.00
13,700.0	91.50	359.44	11,743.5	1,865.2	90.1	1,865.6	0.00	0.00	0.00
13,800.0	91.50	359.44	11,740.9	1,965.1	89.1	1,965.5	0.00	0.00	0.00
13,900.0	91.50	359.44	11,738.2	2,065.1	88.1	2,065.5	0.00	0.00	0.00
14,000.0	91.50	359.44	11,735.6	2,165.0	87.1	2,165.4	0.00	0.00	0.00
14,100.0	91.50	359.44	11,733.0	2,265.0	86.1	2,265.4	0.00	0.00	0.00
14,200.0	91.50	359.44	11,730.4	2,365.0	85.2	2,365.4	0.00	0.00	0.00
14,300.0	91.50	359.44	11,727.8	2,464.9	84.2	2,465.3	0.00	0.00	0.00
14,400.0	91.50	359.44	11,725.2	2,564.9	83.2	2,565.3	0.00	0.00	0.00
14,500.0	91.50	359.44	11,722.5	2,664.8	82.2	2,665.2	0.00	0.00	0.00
14,600.0	91.50	359.44	11,719.9	2,764.8	81.3	2,765.2	0.00	0.00	0.00
14,700.0	91.50	359.44	11,717.3	2,864.8	80.3	2,865.1	0.00	0.00	0.00
14,800.0	91.50	359.44	11,714.7	2,964.7	79.3	2,965.1	0.00	0.00	0.00
14,900.0	91.50	359.44	11,712.1	3,064.7	78.3	3,065.0	0.00	0.00	0.00
15,000.0	91.50	359.44	11,709.4	3,164.7	77.3	3,165.0	0.00	0.00	0.00
15,100.0	91.50	359.44	11,706.8	3,264.6	76.4	3,264.9	0.00	0.00	0.00
15,200.0	91.50	359.44	11,704.2	3,364.6	75.4	3,364.9	0.00	0.00	0.00
15,300.0	91.50	359.44	11,701.6	3,464.5	74.4	3,464.9	0.00	0.00	0.00
15,400.0	91.50	359.44	11,699.0	3,564.5	73.4	3,564.8	0.00	0.00	0.00
15,500.0	91.50	359.44	11,696.4	3,664.5	72.5	3,664.8	0.00	0.00	0.00
15,600.0	91.50	359.44	11,693.7	3,764.4	71.5	3,764.7	0.00	0.00	0.00
15,700.0	91.50	359.44	11,691.1	3,864.4	70.5	3,864.7	0.00	0.00	0.00
15,800.0	91.50	359.44	11,688.5	3,964.3	69.5	3,964.6	0.00	0.00	0.00
15,900.0	91.50	359.44	11,685.9	4,064.3	68.5	4,064.6	0.00	0.00	0.00
16,000.0	91.50	359.44	11,683.3	4,164.3	67.6	4,164.5	0.00	0.00	0.00
16,100.0	91.50	359.44	11,680.7	4,264.2	66.6	4,264.5	0.00	0.00	0.00
16,200.0	91.50	359.44	11,678.0	4,364.2	65.6	4,364.5	0.00	0.00	0.00
16,300.0	91.50	359.44	11,675.4	4,464.1	64.6	4,464.4	0.00	0.00	0.00
16,400.0	91.50	359.44	11,672.8	4,564.1	63.6	4,564.4	0.00	0.00	0.00
16,500.0	91.50	359.44	11,670.2	4,664.1	62.7	4,664.3	0.00	0.00	0.00
16,600.0	91.50	359.44	11,667.6	4,764.0	61.7	4,764.3	0.00	0.00	0.00
16,700.0	91.50	359.44	11,664.9	4,864.0	60.7	4,864.2	0.00	0.00	0.00
16,800.0	91.50	359.44	11,662.3	4,963.9	59.7	4,964.2	0.00	0.00	0.00
16,900.0	91.50	359.44	11,659.7	5,063.9	58.8	5,064.1	0.00	0.00	0.00
17,000.0	91.50	359.44	11,657.1	5,163.9	57.8	5,164.1	0.00	0.00	0.00
17,100.0	91.50	359.44	11,654.5	5,263.8	56.8	5,264.0	0.00	0.00	0.00
17,200.0	91.50	359.44	11,651.9	5,363.8	55.8	5,364.0	0.00	0.00	0.00
17,300.0	91.50	359.44	11,649.2	5,463.8	54.8	5,464.0	0.00	0.00	0.00
17,400.0	91.50	359.44	11,646.6	5,563.7	53.9	5,563.9	0.00	0.00	0.00
17,500.0	91.50	359.44	11,644.0	5,663.7	52.9	5,663.9	0.00	0.00	0.00
17,600.0	91.50	359.44	11,641.4	5,763.6	51.9	5,763.8	0.00	0.00	0.00
17,700.0	91.50	359.44	11,638.8	5,863.6	50.9	5,863.8	0.00	0.00	0.00
17,800.0	91.50	359.44	11,636.2	5,963.6	50.0	5,963.7	0.00	0.00	0.00
17,900.0	91.50	359.44	11,633.5	6,063.5	49.0	6,063.7	0.00	0.00	0.00
18,000.0	91.50	359.44	11,630.9	6,163.5	48.0	6,163.6	0.00	0.00	0.00
18,100.0	91.50	359.44	11,628.3	6,263.4	47.0	6,263.6	0.00	0.00	0.00
18,200.0	91.50	359.44	11,625.7	6,363.4	46.0	6,363.6	0.00	0.00	0.00
18,300.0	91.50	359.44	11,623.1	6,463.4	45.1	6,463.5	0.00	0.00	0.00
18,400.0	91.50	359.44	11,620.4	6,563.3	44.1	6,563.5	0.00	0.00	0.00
18,500.0	91.50	359.44	11,617.8	6,663.3	43.1	6,663.4	0.00	0.00	0.00
18,600.0	91.50	359.44	11,615.2	6,763.2	42.1	6,763.4	0.00	0.00	0.00
18,700.0	91.50	359.44	11,612.6	6,863.2	41.2	6,863.3	0.00	0.00	0.00
18,800.0	91.50	359.44	11,610.0	6,963.2	40.2	6,963.3	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3429.0usft (H&P 621)
Site:	Beowulf 33 State Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	91.50	359.44	11,607.4	7,063.1	39.2	7,063.2	0.00	0.00	0.00
19,000.0	91.50	359.44	11,604.7	7,163.1	38.2	7,163.2	0.00	0.00	0.00
19,100.0	91.50	359.44	11,602.1	7,263.1	37.2	7,263.1	0.00	0.00	0.00
19,200.0	91.50	359.44	11,599.5	7,363.0	36.3	7,363.1	0.00	0.00	0.00
19,227.0	91.50	359.44	11,598.8	7,390.0	36.0	7,390.1	0.00	0.00	0.00
PBHL(Beo 33 St Com #601H)									

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
PBHL(Beo 33 St Com #601H) - plan hits target center - Point	0.00	0.00	11,598.8	7,390.0	36.0	465,027.00	796,108.00	32° 16' 29.430 N	103° 22' 31.009 W
FTP(Beo 33 St Com #601H) - plan misses target center by 39.0usft at 11875.0usft MD (11749.8 TVD, 45.6 N, 107.4 E) - Point	0.00	0.00	11,786.0	31.0	109.0	457,668.00	796,181.00	32° 15' 16.607 N	103° 22' 30.924 W