eog resources

Lea County, NM (NAD 27 NME)

Fox 30 Fed Com #701H

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

Azimuths to Grid North
True North: -0.44°
Magnetic North: 6.51°

Magnetic Field
Strength: 47908.7snT
Dip Angle: 59.96°
Date: 2/7/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.51°
To convert a Magnetic Direction to a True Direction, Add 6.95° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

WELL DETAILS: #701H

Ground Level: 3323.0
KB = 25' @ 3348.0usft

Northing	Easting	Latitude	Longitude
401135.00	756049.00	32° 6' 0.493 N	103° 30' 23.282 W

SECTION DETAILS

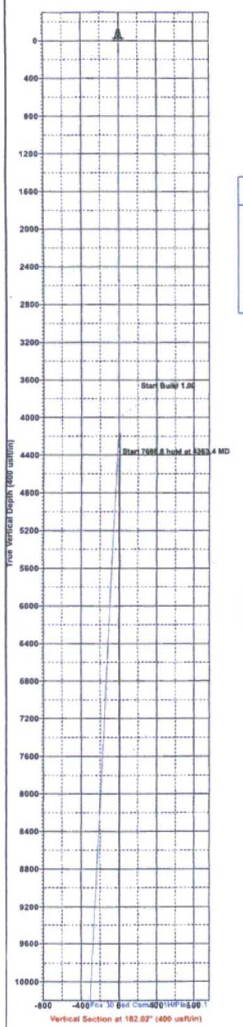
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4363.4	3.63	323.34	4363.1	9.2	-6.9	1.00	323.34	-9.0	
4	12044.2	3.63	323.34	12028.5	399.7	-297.5	0.00	0.00	-389.0	
5	12818.6	90.00	179.54	12530.0	-77.2	-312.5	12.00	-143.74	88.2	
6	19982.6	90.00	179.54	12530.0	-7241.0	-255.0	0.00	0.00	7245.5	PBHL (Fox 30 Fed Com #701H)

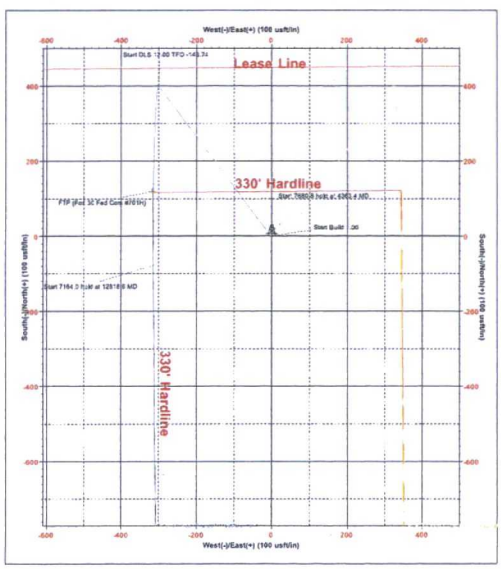
CASING DETAILS

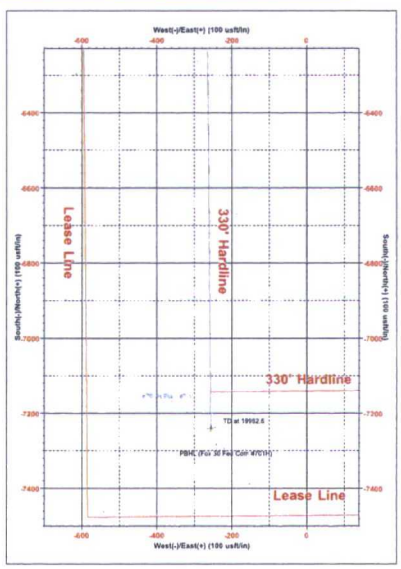
No casing data is available

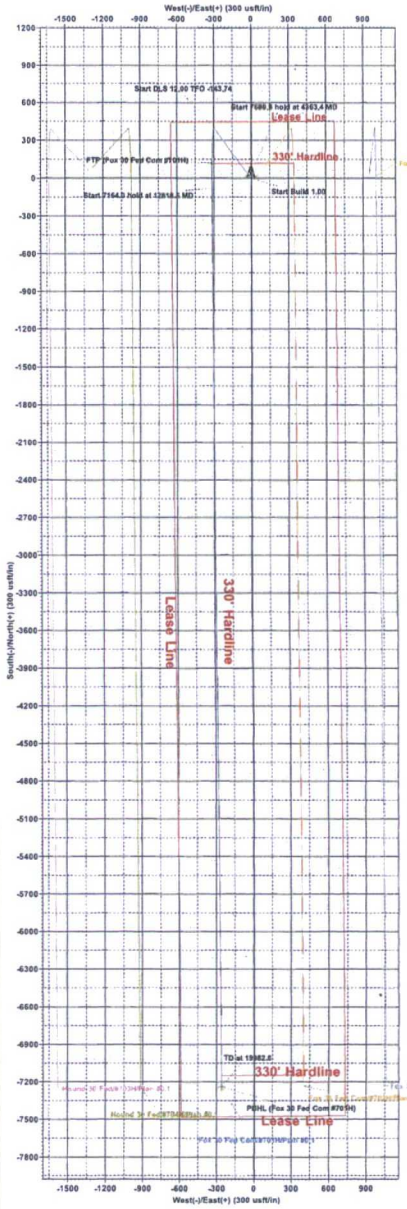
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

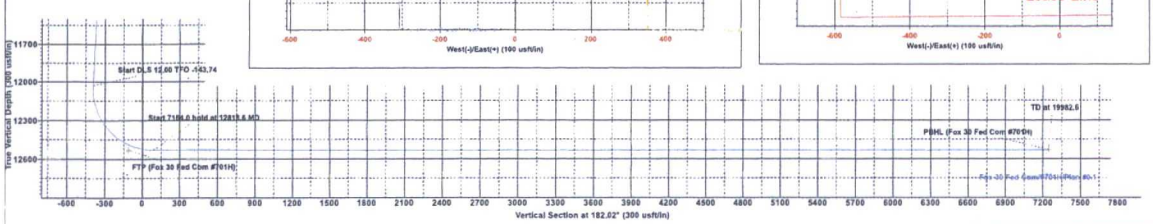
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Fox 30 Fed Com #701H)	12530.0	119.6	-315.0	401254.00	755734.00
PBHL (Fox 30 Fed Com #701H)	12530.0	-7241.0	-255.0	393894.00	755794.00

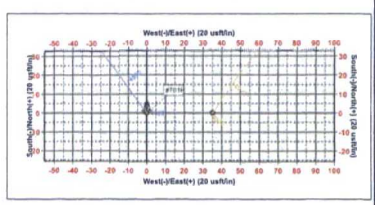


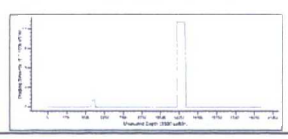












HOBBS OCD

JUN 16 2017

RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Fox 30 Fed Com
#701H

OH

Plan: Plan #0.1

Standard Planning Report

08 February, 2017

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #701H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3348.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25' @ 3348.0usft
Site:	Fox 30 Fed Com	**North Reference:**	Grid
Well:	#701H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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 Fox 30 Fed Com

Site Position:		**Northing:**	401,135.00 usft	**Latitude:**	32° 6' 0.493 N
From:	Map	**Easting:**	756,049.00 usft	**Longitude:**	103° 30' 23.282 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.44 °

Well #701H

Well Position	**+N/-S**	0.0 usft	**Northing:**	401,135.00 usft	**Latitude:**	32° 6' 0.493 N
	+E/-W	0.0 usft	**Easting:**	756,049.00 usft	**Longitude:**	103° 30' 23.282 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,323.0 usft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	2/7/2017	6.95	59.96	47,909

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	182.02

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	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,363.4	3.63	323.34	4,363.1	9.2	-6.9	1.00	1.00	0.00	323.34	
12,044.2	3.63	323.34	12,028.5	399.7	-297.5	0.00	0.00	0.00	0.00	
12,818.6	90.00	179.54	12,530.0	-77.2	-312.5	12.00	11.15	-18.57	-143.74	
19,982.6	90.00	179.54	12,530.0	-7,241.0	-255.0	0.00	0.00	0.00	0.00	PBHL (Fox 30 Fed Cc

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #701H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3348.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25' @ 3348.0usft
Site:	Fox 30 Fed Com	**North Reference:**	Grid
Well:	#701H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	1.00	323.34	4,100.0	0.7	-0.5	-0.7	1.00	1.00	0.00
4,200.0	2.00	323.34	4,200.0	2.8	-2.1	-2.7	1.00	1.00	0.00
4,300.0	3.00	323.34	4,299.9	6.3	-4.7	-6.1	1.00	1.00	0.00
4,363.4	3.63	323.34	4,363.1	9.2	-6.9	-9.0	1.00	1.00	0.00
4,400.0	3.63	323.34	4,399.7	11.1	-8.3	-10.8	0.00	0.00	0.00
4,500.0	3.63	323.34	4,499.5	16.2	-12.0	-15.8	0.00	0.00	0.00
4,600.0	3.63	323.34	4,599.3	21.3	-15.8	-20.7	0.00	0.00	0.00
4,700.0	3.63	323.34	4,699.1	26.4	-19.6	-25.6	0.00	0.00	0.00
4,800.0	3.63	323.34	4,798.9	31.4	-23.4	-30.6	0.00	0.00	0.00
4,900.0	3.63	323.34	4,898.7	36.5	-27.2	-35.5	0.00	0.00	0.00
5,000.0	3.63	323.34	4,998.5	41.6	-31.0	-40.5	0.00	0.00	0.00
5,100.0	3.63	323.34	5,098.3	46.7	-34.8	-45.4	0.00	0.00	0.00
5,200.0	3.63	323.34	5,198.1	51.8	-38.5	-50.4	0.00	0.00	0.00

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Site:	Fox 30 Fed Com	**North Reference:**	Grid
Well:	#701H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	3.63	323.34	5,297.9	56.9	-42.3	-55.3	0.00	0.00	0.00
5,400.0	3.63	323.34	5,397.7	61.9	-46.1	-60.3	0.00	0.00	0.00
5,500.0	3.63	323.34	5,497.5	67.0	-49.9	-65.2	0.00	0.00	0.00
5,600.0	3.63	323.34	5,597.3	72.1	-53.7	-70.2	0.00	0.00	0.00
5,700.0	3.63	323.34	5,697.1	77.2	-57.5	-75.1	0.00	0.00	0.00
5,800.0	3.63	323.34	5,796.9	82.3	-61.2	-80.1	0.00	0.00	0.00
5,900.0	3.63	323.34	5,896.7	87.4	-65.0	-85.0	0.00	0.00	0.00
6,000.0	3.63	323.34	5,996.5	92.4	-68.8	-90.0	0.00	0.00	0.00
6,100.0	3.63	323.34	6,096.3	97.5	-72.6	-94.9	0.00	0.00	0.00
6,200.0	3.63	323.34	6,196.1	102.6	-76.4	-99.9	0.00	0.00	0.00
6,300.0	3.63	323.34	6,295.9	107.7	-80.2	-104.8	0.00	0.00	0.00
6,400.0	3.63	323.34	6,395.7	112.8	-83.9	-109.8	0.00	0.00	0.00
6,500.0	3.63	323.34	6,495.5	117.9	-87.7	-114.7	0.00	0.00	0.00
6,600.0	3.63	323.34	6,595.3	123.0	-91.5	-119.7	0.00	0.00	0.00
6,700.0	3.63	323.34	6,695.1	128.0	-95.3	-124.6	0.00	0.00	0.00
6,800.0	3.63	323.34	6,794.9	133.1	-99.1	-129.6	0.00	0.00	0.00
6,900.0	3.63	323.34	6,894.7	138.2	-102.9	-134.5	0.00	0.00	0.00
7,000.0	3.63	323.34	6,994.5	143.3	-106.7	-139.4	0.00	0.00	0.00
7,100.0	3.63	323.34	7,094.3	148.4	-110.4	-144.4	0.00	0.00	0.00
7,200.0	3.63	323.34	7,194.1	153.5	-114.2	-149.3	0.00	0.00	0.00
7,300.0	3.63	323.34	7,293.9	158.5	-118.0	-154.3	0.00	0.00	0.00
7,400.0	3.63	323.34	7,393.7	163.6	-121.8	-159.2	0.00	0.00	0.00
7,500.0	3.63	323.34	7,493.5	168.7	-125.6	-164.2	0.00	0.00	0.00
7,600.0	3.63	323.34	7,593.2	173.8	-129.4	-169.1	0.00	0.00	0.00
7,700.0	3.63	323.34	7,693.0	178.9	-133.1	-174.1	0.00	0.00	0.00
7,800.0	3.63	323.34	7,792.8	184.0	-136.9	-179.0	0.00	0.00	0.00
7,900.0	3.63	323.34	7,892.6	189.0	-140.7	-184.0	0.00	0.00	0.00
8,000.0	3.63	323.34	7,992.4	194.1	-144.5	-188.9	0.00	0.00	0.00
8,100.0	3.63	323.34	8,092.2	199.2	-148.3	-193.9	0.00	0.00	0.00
8,200.0	3.63	323.34	8,192.0	204.3	-152.1	-198.8	0.00	0.00	0.00
8,300.0	3.63	323.34	8,291.8	209.4	-155.8	-203.8	0.00	0.00	0.00
8,400.0	3.63	323.34	8,391.6	214.5	-159.6	-208.7	0.00	0.00	0.00
8,500.0	3.63	323.34	8,491.4	219.6	-163.4	-213.7	0.00	0.00	0.00
8,600.0	3.63	323.34	8,591.2	224.6	-167.2	-218.6	0.00	0.00	0.00
8,700.0	3.63	323.34	8,691.0	229.7	-171.0	-223.6	0.00	0.00	0.00
8,800.0	3.63	323.34	8,790.8	234.8	-174.8	-228.5	0.00	0.00	0.00
8,900.0	3.63	323.34	8,890.6	239.9	-178.6	-233.5	0.00	0.00	0.00
9,000.0	3.63	323.34	8,990.4	245.0	-182.3	-238.4	0.00	0.00	0.00
9,100.0	3.63	323.34	9,090.2	250.1	-186.1	-243.4	0.00	0.00	0.00
9,200.0	3.63	323.34	9,190.0	255.1	-189.9	-248.3	0.00	0.00	0.00
9,300.0	3.63	323.34	9,289.8	260.2	-193.7	-253.2	0.00	0.00	0.00
9,400.0	3.63	323.34	9,389.6	265.3	-197.5	-258.2	0.00	0.00	0.00
9,500.0	3.63	323.34	9,489.4	270.4	-201.3	-263.1	0.00	0.00	0.00
9,600.0	3.63	323.34	9,589.2	275.5	-205.0	-268.1	0.00	0.00	0.00
9,700.0	3.63	323.34	9,689.0	280.6	-208.8	-273.0	0.00	0.00	0.00
9,800.0	3.63	323.34	9,788.8	285.6	-212.6	-278.0	0.00	0.00	0.00
9,900.0	3.63	323.34	9,888.6	290.7	-216.4	-282.9	0.00	0.00	0.00
10,000.0	3.63	323.34	9,988.4	295.8	-220.2	-287.9	0.00	0.00	0.00
10,100.0	3.63	323.34	10,088.2	300.9	-224.0	-292.8	0.00	0.00	0.00
10,200.0	3.63	323.34	10,188.0	306.0	-227.7	-297.8	0.00	0.00	0.00
10,300.0	3.63	323.34	10,287.8	311.1	-231.5	-302.7	0.00	0.00	0.00
10,400.0	3.63	323.34	10,387.6	316.2	-235.3	-307.7	0.00	0.00	0.00
10,500.0	3.63	323.34	10,487.4	321.2	-239.1	-312.6	0.00	0.00	0.00
10,600.0	3.63	323.34	10,587.2	326.3	-242.9	-317.6	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #701H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3348.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25' @ 3348.0usft
Site:	Fox 30 Fed Com	**North Reference:**	Grid
Well:	#701H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	3.63	323.34	10,687.0	331.4	-246.7	-322.5	0.00	0.00	0.00
10,800.0	3.63	323.34	10,786.8	336.5	-250.5	-327.5	0.00	0.00	0.00
10,900.0	3.63	323.34	10,886.6	341.6	-254.2	-332.4	0.00	0.00	0.00
11,000.0	3.63	323.34	10,986.4	346.7	-258.0	-337.4	0.00	0.00	0.00
11,100.0	3.63	323.34	11,086.2	351.7	-261.8	-342.3	0.00	0.00	0.00
11,200.0	3.63	323.34	11,186.0	356.8	-265.6	-347.3	0.00	0.00	0.00
11,300.0	3.63	323.34	11,285.8	361.9	-269.4	-352.2	0.00	0.00	0.00
11,400.0	3.63	323.34	11,385.6	367.0	-273.2	-357.2	0.00	0.00	0.00
11,500.0	3.63	323.34	11,485.4	372.1	-276.9	-362.1	0.00	0.00	0.00
11,600.0	3.63	323.34	11,585.2	377.2	-280.7	-367.0	0.00	0.00	0.00
11,700.0	3.63	323.34	11,685.0	382.2	-284.5	-372.0	0.00	0.00	0.00
11,800.0	3.63	323.34	11,784.8	387.3	-288.3	-376.9	0.00	0.00	0.00
11,900.0	3.63	323.34	11,884.6	392.4	-292.1	-381.9	0.00	0.00	0.00
12,000.0	3.63	323.34	11,984.4	397.5	-295.9	-386.8	0.00	0.00	0.00
12,044.2	3.63	323.34	12,028.5	399.7	-297.5	-389.0	0.00	0.00	0.00
12,050.0	3.10	315.63	12,034.3	400.0	-297.8	-389.3	12.00	-9.20	-131.79
12,075.0	2.28	249.82	12,059.3	400.3	-298.7	-389.6	12.00	-3.26	-263.28
12,100.0	4.34	209.17	12,084.2	399.3	-299.6	-388.5	12.00	8.23	-162.57
12,125.0	7.10	197.06	12,109.1	397.0	-300.5	-386.2	12.00	11.05	-48.44
12,150.0	10.00	191.82	12,133.8	393.4	-301.4	-382.6	12.00	11.60	-20.97
12,175.0	12.95	188.93	12,158.3	388.5	-302.3	-377.6	12.00	11.78	-11.56
12,200.0	15.91	187.10	12,182.5	382.4	-303.2	-371.4	12.00	11.86	-7.32
12,225.0	18.89	185.83	12,206.4	374.9	-304.0	-364.0	12.00	11.90	-5.07
12,250.0	21.87	184.90	12,229.8	366.3	-304.8	-355.3	12.00	11.93	-3.73
12,275.0	24.86	184.18	12,252.8	356.4	-305.6	-345.4	12.00	11.95	-2.87
12,300.0	27.85	183.61	12,275.2	345.3	-306.3	-334.3	12.00	11.96	-2.29
12,325.0	30.84	183.14	12,297.0	333.1	-307.1	-322.1	12.00	11.96	-1.88
12,350.0	33.83	182.75	12,318.1	319.7	-307.8	-308.7	12.00	11.97	-1.58
12,375.0	36.82	182.41	12,338.5	305.3	-308.4	-294.2	12.00	11.97	-1.35
12,400.0	39.82	182.12	12,358.1	289.8	-309.0	-278.7	12.00	11.98	-1.17
12,425.0	42.81	181.86	12,376.9	273.3	-309.6	-262.2	12.00	11.98	-1.03
12,450.0	45.81	181.63	12,394.8	255.9	-310.1	-244.8	12.00	11.98	-0.92
12,475.0	48.81	181.42	12,411.7	237.5	-310.6	-226.4	12.00	11.98	-0.83
12,500.0	51.80	181.23	12,427.7	218.3	-311.0	-207.2	12.00	11.99	-0.76
12,525.0	54.80	181.06	12,442.6	198.2	-311.4	-187.1	12.00	11.99	-0.70
12,550.0	57.80	180.89	12,456.5	177.4	-311.8	-166.3	12.00	11.99	-0.65
12,575.0	60.79	180.74	12,469.2	155.9	-312.1	-144.9	12.00	11.99	-0.61
12,600.0	63.79	180.60	12,480.9	133.8	-312.4	-122.7	12.00	11.99	-0.57
12,625.0	66.79	180.46	12,491.3	111.1	-312.6	-100.0	12.00	11.99	-0.55
12,632.0	67.62	180.42	12,494.0	104.7	-312.6	-93.6	12.00	11.99	-0.53
FTP (Fox 30 Fed Com #701H)									
12,650.0	69.78	180.33	12,500.6	87.9	-312.7	-76.8	12.00	11.99	-0.52
12,675.0	72.78	180.21	12,508.6	64.2	-312.8	-53.2	12.00	11.99	-0.50
12,700.0	75.78	180.08	12,515.4	40.1	-312.9	-29.1	12.00	11.99	-0.49
12,725.0	78.78	179.97	12,520.9	15.8	-312.9	-4.7	12.00	11.99	-0.47
12,750.0	81.78	179.85	12,525.1	-8.9	-312.9	19.9	12.00	11.99	-0.46
12,775.0	84.77	179.74	12,528.0	-33.7	-312.8	44.7	12.00	11.99	-0.46
12,800.0	87.77	179.62	12,529.6	-58.7	-312.7	69.6	12.00	11.99	-0.45
12,818.6	90.00	179.54	12,530.0	-77.2	-312.5	88.2	12.00	11.99	-0.45
12,900.0	90.00	179.54	12,530.0	-158.6	-311.9	169.5	0.00	0.00	0.00
13,000.0	90.00	179.54	12,530.0	-258.6	-311.1	269.4	0.00	0.00	0.00
13,100.0	90.00	179.54	12,530.0	-358.6	-310.3	369.3	0.00	0.00	0.00
13,200.0	90.00	179.54	12,530.0	-458.6	-309.5	469.2	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #701H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3348.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25' @ 3348.0usft
Site:	Fox 30 Fed Com	**North Reference:**	Grid
Well:	#701H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	179.54	12,530.0	-558.6	-308.7	569.1	0.00	0.00	0.00
13,400.0	90.00	179.54	12,530.0	-658.6	-307.8	669.1	0.00	0.00	0.00
13,500.0	90.00	179.54	12,530.0	-758.6	-307.0	769.0	0.00	0.00	0.00
13,600.0	90.00	179.54	12,530.0	-858.6	-306.2	868.9	0.00	0.00	0.00
13,700.0	90.00	179.54	12,530.0	-958.6	-305.4	968.8	0.00	0.00	0.00
13,800.0	90.00	179.54	12,530.0	-1,058.6	-304.6	1,068.7	0.00	0.00	0.00
13,900.0	90.00	179.54	12,530.0	-1,158.6	-303.8	1,168.6	0.00	0.00	0.00
14,000.0	90.00	179.54	12,530.0	-1,258.6	-303.0	1,268.5	0.00	0.00	0.00
14,100.0	90.00	179.54	12,530.0	-1,358.6	-302.2	1,368.4	0.00	0.00	0.00
14,200.0	90.00	179.54	12,530.0	-1,458.6	-301.4	1,468.3	0.00	0.00	0.00
14,300.0	90.00	179.54	12,530.0	-1,558.6	-300.6	1,568.2	0.00	0.00	0.00
14,400.0	90.00	179.54	12,530.0	-1,658.6	-299.8	1,668.1	0.00	0.00	0.00
14,500.0	90.00	179.54	12,530.0	-1,758.6	-299.0	1,768.0	0.00	0.00	0.00
14,600.0	90.00	179.54	12,530.0	-1,858.6	-298.2	1,867.9	0.00	0.00	0.00
14,700.0	90.00	179.54	12,530.0	-1,958.6	-297.4	1,967.8	0.00	0.00	0.00
14,800.0	90.00	179.54	12,530.0	-2,058.6	-296.6	2,067.7	0.00	0.00	0.00
14,900.0	90.00	179.54	12,530.0	-2,158.6	-295.8	2,167.7	0.00	0.00	0.00
15,000.0	90.00	179.54	12,530.0	-2,258.6	-295.0	2,267.6	0.00	0.00	0.00
15,100.0	90.00	179.54	12,530.0	-2,358.6	-294.2	2,367.5	0.00	0.00	0.00
15,200.0	90.00	179.54	12,530.0	-2,458.6	-293.4	2,467.4	0.00	0.00	0.00
15,300.0	90.00	179.54	12,530.0	-2,558.6	-292.6	2,567.3	0.00	0.00	0.00
15,400.0	90.00	179.54	12,530.0	-2,658.6	-291.8	2,667.2	0.00	0.00	0.00
15,500.0	90.00	179.54	12,530.0	-2,758.6	-291.0	2,767.1	0.00	0.00	0.00
15,600.0	90.00	179.54	12,530.0	-2,858.6	-290.2	2,867.0	0.00	0.00	0.00
15,700.0	90.00	179.54	12,530.0	-2,958.6	-289.4	2,966.9	0.00	0.00	0.00
15,800.0	90.00	179.54	12,530.0	-3,058.6	-288.6	3,066.8	0.00	0.00	0.00
15,900.0	90.00	179.54	12,530.0	-3,158.5	-287.8	3,166.7	0.00	0.00	0.00
16,000.0	90.00	179.54	12,530.0	-3,258.5	-287.0	3,266.6	0.00	0.00	0.00
16,100.0	90.00	179.54	12,530.0	-3,358.5	-286.2	3,366.5	0.00	0.00	0.00
16,200.0	90.00	179.54	12,530.0	-3,458.5	-285.4	3,466.4	0.00	0.00	0.00
16,300.0	90.00	179.54	12,530.0	-3,558.5	-284.6	3,566.3	0.00	0.00	0.00
16,400.0	90.00	179.54	12,530.0	-3,658.5	-283.8	3,666.3	0.00	0.00	0.00
16,500.0	90.00	179.54	12,530.0	-3,758.5	-283.0	3,766.2	0.00	0.00	0.00
16,600.0	90.00	179.54	12,530.0	-3,858.5	-282.2	3,866.1	0.00	0.00	0.00
16,700.0	90.00	179.54	12,530.0	-3,958.5	-281.4	3,966.0	0.00	0.00	0.00
16,800.0	90.00	179.54	12,530.0	-4,058.5	-280.6	4,065.9	0.00	0.00	0.00
16,900.0	90.00	179.54	12,530.0	-4,158.5	-279.7	4,165.8	0.00	0.00	0.00
17,000.0	90.00	179.54	12,530.0	-4,258.5	-278.9	4,265.7	0.00	0.00	0.00
17,100.0	90.00	179.54	12,530.0	-4,358.5	-278.1	4,365.6	0.00	0.00	0.00
17,200.0	90.00	179.54	12,530.0	-4,458.5	-277.3	4,465.5	0.00	0.00	0.00
17,300.0	90.00	179.54	12,530.0	-4,558.5	-276.5	4,565.4	0.00	0.00	0.00
17,400.0	90.00	179.54	12,530.0	-4,658.5	-275.7	4,665.3	0.00	0.00	0.00
17,500.0	90.00	179.54	12,530.0	-4,758.5	-274.9	4,765.2	0.00	0.00	0.00
17,600.0	90.00	179.54	12,530.0	-4,858.5	-274.1	4,865.1	0.00	0.00	0.00
17,700.0	90.00	179.54	12,530.0	-4,958.5	-273.3	4,965.0	0.00	0.00	0.00
17,800.0	90.00	179.54	12,530.0	-5,058.5	-272.5	5,064.9	0.00	0.00	0.00
17,900.0	90.00	179.54	12,530.0	-5,158.5	-271.7	5,164.9	0.00	0.00	0.00
18,000.0	90.00	179.54	12,530.0	-5,258.5	-270.9	5,264.8	0.00	0.00	0.00
18,100.0	90.00	179.54	12,530.0	-5,358.5	-270.1	5,364.7	0.00	0.00	0.00
18,200.0	90.00	179.54	12,530.0	-5,458.5	-269.3	5,464.6	0.00	0.00	0.00
18,300.0	90.00	179.54	12,530.0	-5,558.5	-268.5	5,564.5	0.00	0.00	0.00
18,400.0	90.00	179.54	12,530.0	-5,658.5	-267.7	5,664.4	0.00	0.00	0.00
18,500.0	90.00	179.54	12,530.0	-5,758.5	-266.9	5,764.3	0.00	0.00	0.00
18,600.0	90.00	179.54	12,530.0	-5,858.5	-266.1	5,864.2	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #701H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3348.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25' @ 3348.0usft
Site:	Fox 30 Fed Com	**North Reference:**	Grid
Well:	#701H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
18,700.0	90.00	179.54	12,530.0	-5,958.5	-265.3	5,964.1	0.00	0.00	0.00
18,800.0	90.00	179.54	12,530.0	-6,058.5	-264.5	6,064.0	0.00	0.00	0.00
18,900.0	90.00	179.54	12,530.0	-6,158.5	-263.7	6,163.9	0.00	0.00	0.00
19,000.0	90.00	179.54	12,530.0	-6,258.4	-262.9	6,263.8	0.00	0.00	0.00
19,100.0	90.00	179.54	12,530.0	-6,358.4	-262.1	6,363.7	0.00	0.00	0.00
19,200.0	90.00	179.54	12,530.0	-6,458.4	-261.3	6,463.6	0.00	0.00	0.00
19,300.0	90.00	179.54	12,530.0	-6,558.4	-260.5	6,563.5	0.00	0.00	0.00
19,400.0	90.00	179.54	12,530.0	-6,658.4	-259.7	6,663.4	0.00	0.00	0.00
19,500.0	90.00	179.54	12,530.0	-6,758.4	-258.9	6,763.4	0.00	0.00	0.00
19,600.0	90.00	179.54	12,530.0	-6,858.4	-258.1	6,863.3	0.00	0.00	0.00
19,700.0	90.00	179.54	12,530.0	-6,958.4	-257.3	6,963.2	0.00	0.00	0.00
19,800.0	90.00	179.54	12,530.0	-7,058.4	-256.5	7,063.1	0.00	0.00	0.00
19,900.0	90.00	179.54	12,530.0	-7,158.4	-255.7	7,163.0	0.00	0.00	0.00
19,982.6	90.00	179.54	12,530.0	-7,241.0	-255.0	7,245.5	0.00	0.00	0.00
PBHL (Fox 30 Fed Com #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
PBHL (Fox 30 Fed Com - plan hits target center - Point	0.00	0.00	12,530.0	-7,241.0	-255.0	393,894.00	755,794.00	32° 4' 48.859 N	103° 30' 26.891 W
FTP (Fox 30 Fed Com # - plan misses target center by 38.8usft at 12632.0usft MD (12494.0 TVD, 104.7 N, -312.6 E) - Point	0.00	0.00	12,530.0	119.0	-315.0	401,254.00	755,734.00	32° 6' 1.695 N	103° 30' 26.934 W