25 - 43717

eog resources

Lea County, NM (NAD 27 NME)

Hearns 34 State Com #705H

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: -0.41°
Magnetic North: 6.56°

Magnetic Field
Strength: 47928.8snT
Dip Angle: 60.01°
Date: 3/24/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.56°
To convert a Magnetic Direction to a True Direction, Add 6.97° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: #705H

Ground Level: 3461.0
KB = 25 @ 3486.0usft

Northing	Easting	Latitude	Longitude
425821.00	737123.00	32° 10' 3.192 N	103° 34' 1.274 W

SECTION DETAILS

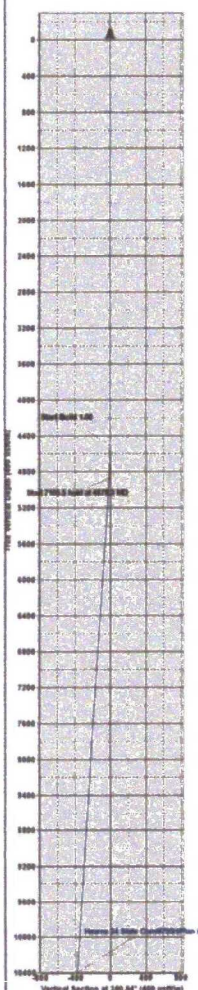
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4878.3	3.78	120.64	4878.0	-6.4	10.7	1.00	120.64	-6.0	
4	11983.8	3.78	120.64	11968.1	-245.3	414.1	0.00	0.00	-230.0	
5	12750.1	90.00	359.58	12461.0	232.1	438.5	12.00	-121.00	248.0	
6	22543.3	90.00	359.58	12461.0	10025.0	367.0	0.00	0.00	10031.7	PBHL (H 34 St Com #705H)

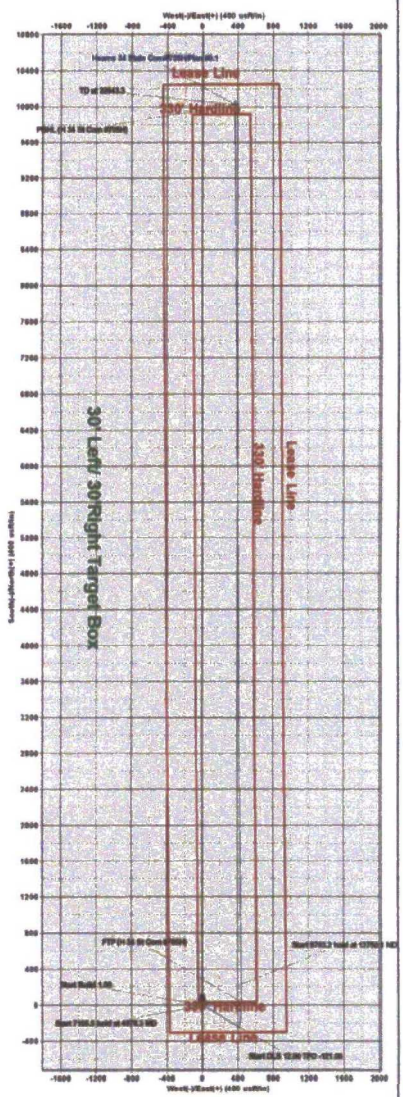
CASING DETAILS

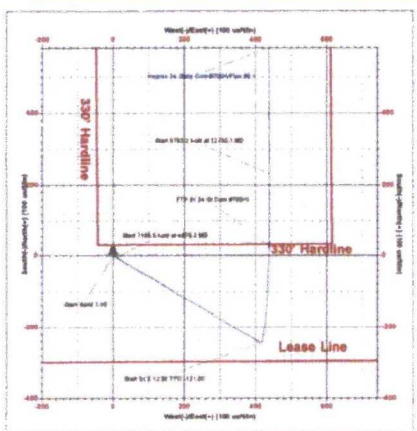
No casing data is available

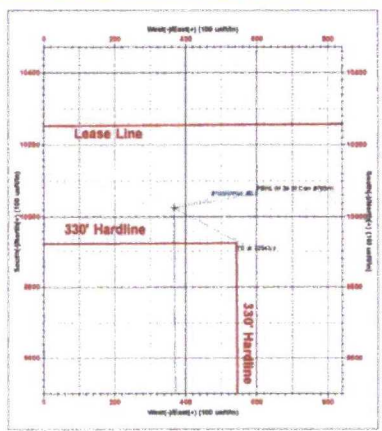
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

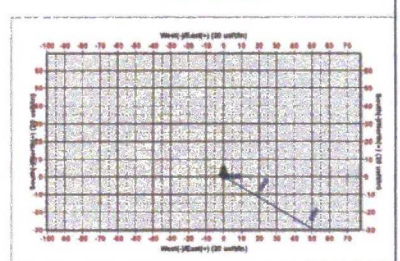
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (H 34 St Com #705H)	12461.0	32.0	440.0	425853.00	737563.00
PBHL (H 34 St Com #705H)	12461.0	10025.0	367.0	435846.00	737490.00

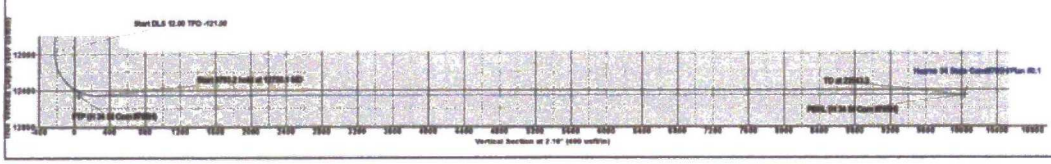


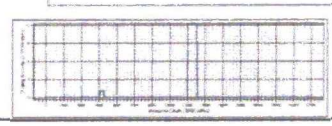












EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Hearns 34 State Com
#705H

OH

Plan: Plan #0.1

Standard Planning Report

24 March, 2017

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3486.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3486.0usft
Site:	Hearns 34 State Com	**North Reference:**	Grid
Well:	#705H	**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	Hearns 34 State Com				
Site Position:		**Northing:**	425,521.00 usft	**Latitude:**	32° 10' 3.192 N
From:	Map	**Easting:**	737,123.00 usft	**Longitude:**	103° 34' 1.274 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.41 °

Well	#705H					
Well Position	**+N/-S**	0.0 usft	**Northing:**	425,521.00 usft	**Latitude:**	32° 10' 3.192 N
	+E/-W	0.0 usft	**Easting:**	737,123.00 usft	**Longitude:**	103° 34' 1.274 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,461.0 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	3/24/2017	6.97	60.01	47,929

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	2.10	

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	
4,878.3	3.78	120.64	4,878.0	-6.4	10.7	1.00	1.00	0.00	120.64	
11,983.8	3.78	120.64	11,968.1	-245.3	414.1	0.00	0.00	0.00	0.00	
12,750.1	90.00	359.58	12,461.0	232.1	438.5	12.00	11.25	-15.80	-121.00	
22,543.3	90.00	359.58	12,461.0	10,025.0	367.0	0.00	0.00	0.00	0.00	PBHL (H 34 St Com #

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3486.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3486.0usft
Site:	Hearns 34 State Com	**North Reference:**	Grid
Well:	#705H	**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	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	120.64	4,600.0	-0.4	0.8	-0.4	1.00	1.00	0.00
4,700.0	2.00	120.64	4,700.0	-1.8	3.0	-1.7	1.00	1.00	0.00
4,800.0	3.00	120.64	4,799.9	-4.0	6.8	-3.8	1.00	1.00	0.00
4,878.3	3.78	120.64	4,878.0	-6.4	10.7	-6.0	1.00	1.00	0.00
4,900.0	3.78	120.64	4,899.7	-7.1	12.0	-6.6	0.00	0.00	0.00
5,000.0	3.78	120.64	4,999.5	-10.5	17.6	-9.8	0.00	0.00	0.00
5,100.0	3.78	120.64	5,099.2	-13.8	23.3	-13.0	0.00	0.00	0.00
5,200.0	3.78	120.64	5,199.0	-17.2	29.0	-16.1	0.00	0.00	0.00

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Site:	Hearns 34 State Com	**North Reference:**	Grid
Well:	#705H	**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	3.78	120.64	5,298.8	-20.5	34.7	-19.3	0.00	0.00	0.00
5,400.0	3.78	120.64	5,398.6	-23.9	40.4	-22.4	0.00	0.00	0.00
5,500.0	3.78	120.64	5,498.4	-27.3	46.0	-25.6	0.00	0.00	0.00
5,600.0	3.78	120.64	5,598.2	-30.6	51.7	-28.7	0.00	0.00	0.00
5,700.0	3.78	120.64	5,697.9	-34.0	57.4	-31.9	0.00	0.00	0.00
5,800.0	3.78	120.64	5,797.7	-37.4	63.1	-35.0	0.00	0.00	0.00
5,900.0	3.78	120.64	5,897.5	-40.7	68.7	-38.2	0.00	0.00	0.00
6,000.0	3.78	120.64	5,997.3	-44.1	74.4	-41.3	0.00	0.00	0.00
6,100.0	3.78	120.64	6,097.1	-47.4	80.1	-44.5	0.00	0.00	0.00
6,200.0	3.78	120.64	6,196.8	-50.8	85.8	-47.6	0.00	0.00	0.00
6,300.0	3.78	120.64	6,296.6	-54.2	91.4	-50.8	0.00	0.00	0.00
6,400.0	3.78	120.64	6,396.4	-57.5	97.1	-53.9	0.00	0.00	0.00
6,500.0	3.78	120.64	6,496.2	-60.9	102.8	-57.1	0.00	0.00	0.00
6,600.0	3.78	120.64	6,596.0	-64.3	108.5	-60.2	0.00	0.00	0.00
6,700.0	3.78	120.64	6,695.8	-67.6	114.2	-63.4	0.00	0.00	0.00
6,800.0	3.78	120.64	6,795.5	-71.0	119.8	-66.5	0.00	0.00	0.00
6,900.0	3.78	120.64	6,895.3	-74.3	125.5	-69.7	0.00	0.00	0.00
7,000.0	3.78	120.64	6,995.1	-77.7	131.2	-72.9	0.00	0.00	0.00
7,100.0	3.78	120.64	7,094.9	-81.1	136.9	-76.0	0.00	0.00	0.00
7,200.0	3.78	120.64	7,194.7	-84.4	142.5	-79.2	0.00	0.00	0.00
7,300.0	3.78	120.64	7,294.4	-87.8	148.2	-82.3	0.00	0.00	0.00
7,400.0	3.78	120.64	7,394.2	-91.2	153.9	-85.5	0.00	0.00	0.00
7,500.0	3.78	120.64	7,494.0	-94.5	159.6	-88.6	0.00	0.00	0.00
7,600.0	3.78	120.64	7,593.8	-97.9	165.2	-91.8	0.00	0.00	0.00
7,700.0	3.78	120.64	7,693.6	-101.2	170.9	-94.9	0.00	0.00	0.00
7,800.0	3.78	120.64	7,793.4	-104.6	176.6	-98.1	0.00	0.00	0.00
7,900.0	3.78	120.64	7,893.1	-108.0	182.3	-101.2	0.00	0.00	0.00
8,000.0	3.78	120.64	7,992.9	-111.3	188.0	-104.4	0.00	0.00	0.00
8,100.0	3.78	120.64	8,092.7	-114.7	193.6	-107.5	0.00	0.00	0.00
8,200.0	3.78	120.64	8,192.5	-118.1	199.3	-110.7	0.00	0.00	0.00
8,300.0	3.78	120.64	8,292.3	-121.4	205.0	-113.8	0.00	0.00	0.00
8,400.0	3.78	120.64	8,392.1	-124.8	210.7	-117.0	0.00	0.00	0.00
8,500.0	3.78	120.64	8,491.8	-128.1	216.3	-120.1	0.00	0.00	0.00
8,600.0	3.78	120.64	8,591.6	-131.5	222.0	-123.3	0.00	0.00	0.00
8,700.0	3.78	120.64	8,691.4	-134.9	227.7	-126.4	0.00	0.00	0.00
8,800.0	3.78	120.64	8,791.2	-138.2	233.4	-129.6	0.00	0.00	0.00
8,900.0	3.78	120.64	8,891.0	-141.6	239.0	-132.8	0.00	0.00	0.00
9,000.0	3.78	120.64	8,990.7	-145.0	244.7	-135.9	0.00	0.00	0.00
9,100.0	3.78	120.64	9,090.5	-148.3	250.4	-139.1	0.00	0.00	0.00
9,200.0	3.78	120.64	9,190.3	-151.7	256.1	-142.2	0.00	0.00	0.00
9,300.0	3.78	120.64	9,290.1	-155.0	261.7	-145.4	0.00	0.00	0.00
9,400.0	3.78	120.64	9,389.9	-158.4	267.4	-148.5	0.00	0.00	0.00
9,500.0	3.78	120.64	9,489.7	-161.8	273.1	-151.7	0.00	0.00	0.00
9,600.0	3.78	120.64	9,589.4	-165.1	278.8	-154.8	0.00	0.00	0.00
9,700.0	3.78	120.64	9,689.2	-168.5	284.5	-158.0	0.00	0.00	0.00
9,800.0	3.78	120.64	9,789.0	-171.9	290.1	-161.1	0.00	0.00	0.00
9,900.0	3.78	120.64	9,888.8	-175.2	295.8	-164.3	0.00	0.00	0.00
10,000.0	3.78	120.64	9,988.6	-178.6	301.5	-167.4	0.00	0.00	0.00
10,100.0	3.78	120.64	10,088.3	-181.9	307.2	-170.6	0.00	0.00	0.00
10,200.0	3.78	120.64	10,188.1	-185.3	312.8	-173.7	0.00	0.00	0.00
10,300.0	3.78	120.64	10,287.9	-188.7	318.5	-176.9	0.00	0.00	0.00
10,400.0	3.78	120.64	10,387.7	-192.0	324.2	-180.0	0.00	0.00	0.00
10,500.0	3.78	120.64	10,487.5	-195.4	329.9	-183.2	0.00	0.00	0.00
10,600.0	3.78	120.64	10,587.3	-198.8	335.5	-186.3	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3486.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3486.0usft
Site:	Hearns 34 State Com	**North Reference:**	Grid
Well:	#705H	**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	3.78	120.64	10,687.0	-202.1	341.2	-189.5	0.00	0.00	0.00
10,800.0	3.78	120.64	10,786.8	-205.5	346.9	-192.6	0.00	0.00	0.00
10,900.0	3.78	120.64	10,886.6	-208.8	352.6	-195.8	0.00	0.00	0.00
11,000.0	3.78	120.64	10,986.4	-212.2	358.3	-199.0	0.00	0.00	0.00
11,100.0	3.78	120.64	11,086.2	-215.6	363.9	-202.1	0.00	0.00	0.00
11,200.0	3.78	120.64	11,186.0	-218.9	369.6	-205.3	0.00	0.00	0.00
11,300.0	3.78	120.64	11,285.7	-222.3	375.3	-208.4	0.00	0.00	0.00
11,400.0	3.78	120.64	11,385.5	-225.7	381.0	-211.6	0.00	0.00	0.00
11,500.0	3.78	120.64	11,485.3	-229.0	386.6	-214.7	0.00	0.00	0.00
11,600.0	3.78	120.64	11,585.1	-232.4	392.3	-217.9	0.00	0.00	0.00
11,700.0	3.78	120.64	11,684.9	-235.7	398.0	-221.0	0.00	0.00	0.00
11,800.0	3.78	120.64	11,784.6	-239.1	403.7	-224.2	0.00	0.00	0.00
11,900.0	3.78	120.64	11,884.4	-242.5	409.3	-227.3	0.00	0.00	0.00
11,983.8	3.78	120.64	11,968.1	-245.3	414.1	-230.0	0.00	0.00	0.00
12,000.0	3.24	89.76	11,984.2	-245.6	415.0	-230.2	12.00	-3.35	-190.95
12,025.0	4.41	46.86	12,009.2	-244.9	416.4	-229.5	12.00	4.67	-171.62
12,050.0	6.81	27.91	12,034.0	-242.9	417.8	-227.5	12.00	9.60	-75.81
12,075.0	9.55	19.25	12,058.8	-239.7	419.2	-224.2	12.00	10.98	-34.62
12,100.0	12.41	14.49	12,083.3	-235.1	420.6	-219.6	12.00	11.45	-19.04
12,125.0	15.33	11.51	12,107.6	-229.3	421.9	-213.7	12.00	11.66	-11.94
12,150.0	18.27	9.46	12,131.5	-222.2	423.2	-206.5	12.00	11.77	-8.19
12,175.0	21.23	7.97	12,155.1	-213.8	424.5	-198.1	12.00	11.83	-5.98
12,200.0	24.19	6.82	12,178.1	-204.2	425.7	-188.5	12.00	11.87	-4.57
12,225.0	27.17	5.92	12,200.6	-193.5	426.9	-177.7	12.00	11.90	-3.62
12,250.0	30.15	5.18	12,222.6	-181.5	428.1	-165.7	12.00	11.92	-2.96
12,275.0	33.13	4.56	12,243.9	-168.5	429.2	-152.7	12.00	11.93	-2.47
12,300.0	36.12	4.03	12,264.4	-154.3	430.2	-138.5	12.00	11.94	-2.11
12,325.0	39.10	3.58	12,284.2	-139.1	431.2	-123.2	12.00	11.95	-1.82
12,350.0	42.09	3.18	12,303.2	-122.8	432.2	-106.9	12.00	11.95	-1.60
12,375.0	45.08	2.82	12,321.3	-105.6	433.1	-89.7	12.00	11.96	-1.43
12,400.0	48.07	2.50	12,338.5	-87.5	433.9	-71.6	12.00	11.96	-1.29
12,425.0	51.06	2.20	12,354.7	-68.5	434.7	-52.5	12.00	11.97	-1.17
12,450.0	54.06	1.94	12,369.9	-48.7	435.4	-32.7	12.00	11.97	-1.08
12,475.0	57.05	1.69	12,384.0	-28.0	436.1	-12.1	12.00	11.97	-1.00
12,500.0	60.04	1.45	12,397.1	-6.7	436.7	9.2	12.00	11.97	-0.93
12,525.0	63.04	1.23	12,409.0	15.2	437.2	31.2	12.00	11.98	-0.88
12,550.0	66.03	1.02	12,419.8	37.8	437.6	53.8	12.00	11.98	-0.83
12,560.4	67.28	0.94	12,423.9	47.4	437.8	63.4	12.00	11.98	-0.81
FTP (H 34 St Com #705H)									
12,575.0	69.02	0.83	12,429.3	60.9	438.0	76.9	12.00	11.98	-0.79
12,600.0	72.02	0.63	12,437.6	84.5	438.3	100.4	12.00	11.98	-0.76
12,625.0	75.01	0.45	12,444.7	108.4	438.5	124.4	12.00	11.98	-0.74
12,650.0	78.01	0.27	12,450.6	132.7	438.7	148.7	12.00	11.98	-0.72
12,675.0	81.00	0.10	12,455.1	157.3	438.8	173.3	12.00	11.98	-0.70
12,700.0	84.00	359.92	12,458.4	182.1	438.8	198.0	12.00	11.98	-0.69
12,725.0	86.99	359.75	12,460.3	207.0	438.7	222.9	12.00	11.98	-0.68
12,750.1	90.00	359.58	12,461.0	232.1	438.5	248.0	12.00	11.98	-0.68
12,800.0	90.00	359.58	12,461.0	282.0	438.2	297.8	0.00	0.00	0.00
12,900.0	90.00	359.58	12,461.0	382.0	437.4	397.8	0.00	0.00	0.00
13,000.0	90.00	359.58	12,461.0	482.0	436.7	497.7	0.00	0.00	0.00
13,100.0	90.00	359.58	12,461.0	582.0	436.0	597.6	0.00	0.00	0.00
13,200.0	90.00	359.58	12,461.0	682.0	435.3	697.5	0.00	0.00	0.00
13,300.0	90.00	359.58	12,461.0	782.0	434.5	797.4	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3486.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3486.0usft
Site:	Hearns 34 State Com	**North Reference:**	Grid
Well:	#705H	**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)
13,400.0	90.00	359.58	12,461.0	882.0	433.8	897.3	0.00	0.00	0.00
13,500.0	90.00	359.58	12,461.0	982.0	433.1	997.2	0.00	0.00	0.00
13,600.0	90.00	359.58	12,461.0	1,082.0	432.3	1,097.1	0.00	0.00	0.00
13,700.0	90.00	359.58	12,461.0	1,182.0	431.6	1,197.0	0.00	0.00	0.00
13,800.0	90.00	359.58	12,461.0	1,282.0	430.9	1,296.9	0.00	0.00	0.00
13,900.0	90.00	359.58	12,461.0	1,382.0	430.1	1,396.8	0.00	0.00	0.00
14,000.0	90.00	359.58	12,461.0	1,482.0	429.4	1,496.7	0.00	0.00	0.00
14,100.0	90.00	359.58	12,461.0	1,582.0	428.7	1,596.6	0.00	0.00	0.00
14,200.0	90.00	359.58	12,461.0	1,682.0	427.9	1,696.5	0.00	0.00	0.00
14,300.0	90.00	359.58	12,461.0	1,782.0	427.2	1,796.4	0.00	0.00	0.00
14,400.0	90.00	359.58	12,461.0	1,882.0	426.5	1,896.3	0.00	0.00	0.00
14,500.0	90.00	359.58	12,461.0	1,982.0	425.8	1,996.2	0.00	0.00	0.00
14,600.0	90.00	359.58	12,461.0	2,082.0	425.0	2,096.1	0.00	0.00	0.00
14,700.0	90.00	359.58	12,461.0	2,182.0	424.3	2,196.0	0.00	0.00	0.00
14,800.0	90.00	359.58	12,461.0	2,282.0	423.6	2,295.9	0.00	0.00	0.00
14,900.0	90.00	359.58	12,461.0	2,382.0	422.8	2,395.8	0.00	0.00	0.00
15,000.0	90.00	359.58	12,461.0	2,481.9	422.1	2,495.7	0.00	0.00	0.00
15,100.0	90.00	359.58	12,461.0	2,581.9	421.4	2,595.6	0.00	0.00	0.00
15,200.0	90.00	359.58	12,461.0	2,681.9	420.6	2,695.5	0.00	0.00	0.00
15,300.0	90.00	359.58	12,461.0	2,781.9	419.9	2,795.4	0.00	0.00	0.00
15,400.0	90.00	359.58	12,461.0	2,881.9	419.2	2,895.3	0.00	0.00	0.00
15,500.0	90.00	359.58	12,461.0	2,981.9	418.5	2,995.2	0.00	0.00	0.00
15,600.0	90.00	359.58	12,461.0	3,081.9	417.7	3,095.2	0.00	0.00	0.00
15,700.0	90.00	359.58	12,461.0	3,181.9	417.0	3,195.1	0.00	0.00	0.00
15,800.0	90.00	359.58	12,461.0	3,281.9	416.3	3,295.0	0.00	0.00	0.00
15,900.0	90.00	359.58	12,461.0	3,381.9	415.5	3,394.9	0.00	0.00	0.00
16,000.0	90.00	359.58	12,461.0	3,481.9	414.8	3,494.8	0.00	0.00	0.00
16,100.0	90.00	359.58	12,461.0	3,581.9	414.1	3,594.7	0.00	0.00	0.00
16,200.0	90.00	359.58	12,461.0	3,681.9	413.3	3,694.6	0.00	0.00	0.00
16,300.0	90.00	359.58	12,461.0	3,781.9	412.6	3,794.5	0.00	0.00	0.00
16,400.0	90.00	359.58	12,461.0	3,881.9	411.9	3,894.4	0.00	0.00	0.00
16,500.0	90.00	359.58	12,461.0	3,981.9	411.1	3,994.3	0.00	0.00	0.00
16,600.0	90.00	359.58	12,461.0	4,081.9	410.4	4,094.2	0.00	0.00	0.00
16,700.0	90.00	359.58	12,461.0	4,181.9	409.7	4,194.1	0.00	0.00	0.00
16,800.0	90.00	359.58	12,461.0	4,281.9	409.0	4,294.0	0.00	0.00	0.00
16,900.0	90.00	359.58	12,461.0	4,381.9	408.2	4,393.9	0.00	0.00	0.00
17,000.0	90.00	359.58	12,461.0	4,481.9	407.5	4,493.8	0.00	0.00	0.00
17,100.0	90.00	359.58	12,461.0	4,581.9	406.8	4,593.7	0.00	0.00	0.00
17,200.0	90.00	359.58	12,461.0	4,681.9	406.0	4,693.6	0.00	0.00	0.00
17,300.0	90.00	359.58	12,461.0	4,781.9	405.3	4,793.5	0.00	0.00	0.00
17,400.0	90.00	359.58	12,461.0	4,881.9	404.6	4,893.4	0.00	0.00	0.00
17,500.0	90.00	359.58	12,461.0	4,981.9	403.8	4,993.3	0.00	0.00	0.00
17,600.0	90.00	359.58	12,461.0	5,081.9	403.1	5,093.2	0.00	0.00	0.00
17,700.0	90.00	359.58	12,461.0	5,181.9	402.4	5,193.1	0.00	0.00	0.00
17,800.0	90.00	359.58	12,461.0	5,281.9	401.6	5,293.0	0.00	0.00	0.00
17,900.0	90.00	359.58	12,461.0	5,381.9	400.9	5,392.9	0.00	0.00	0.00
18,000.0	90.00	359.58	12,461.0	5,481.9	400.2	5,492.8	0.00	0.00	0.00
18,100.0	90.00	359.58	12,461.0	5,581.9	399.5	5,592.7	0.00	0.00	0.00
18,200.0	90.00	359.58	12,461.0	5,681.9	398.7	5,692.6	0.00	0.00	0.00
18,300.0	90.00	359.58	12,461.0	5,781.9	398.0	5,792.6	0.00	0.00	0.00
18,400.0	90.00	359.58	12,461.0	5,881.9	397.3	5,892.5	0.00	0.00	0.00
18,500.0	90.00	359.58	12,461.0	5,981.9	396.5	5,992.4	0.00	0.00	0.00
18,600.0	90.00	359.58	12,461.0	6,081.9	395.8	6,092.3	0.00	0.00	0.00
18,700.0	90.00	359.58	12,461.0	6,181.9	395.1	6,192.2	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3486.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3486.0usft
Site:	Hearns 34 State Com	**North Reference:**	Grid
Well:	#705H	**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)
18,800.0	90.00	359.58	12,461.0	6,281.8	394.3	6,292.1	0.00	0.00	0.00
18,900.0	90.00	359.58	12,461.0	6,381.8	393.6	6,392.0	0.00	0.00	0.00
19,000.0	90.00	359.58	12,461.0	6,481.8	392.9	6,491.9	0.00	0.00	0.00
19,100.0	90.00	359.58	12,461.0	6,581.8	392.2	6,591.8	0.00	0.00	0.00
19,200.0	90.00	359.58	12,461.0	6,681.8	391.4	6,691.7	0.00	0.00	0.00
19,300.0	90.00	359.58	12,461.0	6,781.8	390.7	6,791.6	0.00	0.00	0.00
19,400.0	90.00	359.58	12,461.0	6,881.8	390.0	6,891.5	0.00	0.00	0.00
19,500.0	90.00	359.58	12,461.0	6,981.8	389.2	6,991.4	0.00	0.00	0.00
19,600.0	90.00	359.58	12,461.0	7,081.8	388.5	7,091.3	0.00	0.00	0.00
19,700.0	90.00	359.58	12,461.0	7,181.8	387.8	7,191.2	0.00	0.00	0.00
19,800.0	90.00	359.58	12,461.0	7,281.8	387.0	7,291.1	0.00	0.00	0.00
19,900.0	90.00	359.58	12,461.0	7,381.8	386.3	7,391.0	0.00	0.00	0.00
20,000.0	90.00	359.58	12,461.0	7,481.8	385.6	7,490.9	0.00	0.00	0.00
20,100.0	90.00	359.58	12,461.0	7,581.8	384.8	7,590.8	0.00	0.00	0.00
20,200.0	90.00	359.58	12,461.0	7,681.8	384.1	7,690.7	0.00	0.00	0.00
20,300.0	90.00	359.58	12,461.0	7,781.8	383.4	7,790.6	0.00	0.00	0.00
20,400.0	90.00	359.58	12,461.0	7,881.8	382.7	7,890.5	0.00	0.00	0.00
20,500.0	90.00	359.58	12,461.0	7,981.8	381.9	7,990.4	0.00	0.00	0.00
20,600.0	90.00	359.58	12,461.0	8,081.8	381.2	8,090.3	0.00	0.00	0.00
20,700.0	90.00	359.58	12,461.0	8,181.8	380.5	8,190.2	0.00	0.00	0.00
20,800.0	90.00	359.58	12,461.0	8,281.8	379.7	8,290.1	0.00	0.00	0.00
20,900.0	90.00	359.58	12,461.0	8,381.8	379.0	8,390.0	0.00	0.00	0.00
21,000.0	90.00	359.58	12,461.0	8,481.8	378.3	8,490.0	0.00	0.00	0.00
21,100.0	90.00	359.58	12,461.0	8,581.8	377.5	8,589.9	0.00	0.00	0.00
21,200.0	90.00	359.58	12,461.0	8,681.8	376.8	8,689.8	0.00	0.00	0.00
21,300.0	90.00	359.58	12,461.0	8,781.8	376.1	8,789.7	0.00	0.00	0.00
21,400.0	90.00	359.58	12,461.0	8,881.8	375.4	8,889.6	0.00	0.00	0.00
21,500.0	90.00	359.58	12,461.0	8,981.8	374.6	8,989.5	0.00	0.00	0.00
21,600.0	90.00	359.58	12,461.0	9,081.8	373.9	9,089.4	0.00	0.00	0.00
21,700.0	90.00	359.58	12,461.0	9,181.8	373.2	9,189.3	0.00	0.00	0.00
21,800.0	90.00	359.58	12,461.0	9,281.8	372.4	9,289.2	0.00	0.00	0.00
21,900.0	90.00	359.58	12,461.0	9,381.8	371.7	9,389.1	0.00	0.00	0.00
22,000.0	90.00	359.58	12,461.0	9,481.8	371.0	9,489.0	0.00	0.00	0.00
22,100.0	90.00	359.58	12,461.0	9,581.8	370.2	9,588.9	0.00	0.00	0.00
22,200.0	90.00	359.58	12,461.0	9,681.8	369.5	9,688.8	0.00	0.00	0.00
22,300.0	90.00	359.58	12,461.0	9,781.8	368.8	9,788.7	0.00	0.00	0.00
22,400.0	90.00	359.58	12,461.0	9,881.8	368.0	9,888.6	0.00	0.00	0.00
22,500.0	90.00	359.58	12,461.0	9,981.7	367.3	9,988.5	0.00	0.00	0.00
22,543.3	90.00	359.58	12,461.0	10,025.0	367.0	10,031.7	0.00	0.00	0.00
PBHL (H 34 St Com #705H)									

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3486.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3486.0usft
Site:	Hearns 34 State Com	**North Reference:**	Grid
Well:	#705H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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
FTP (H 34 St Com #705 - plan misses target center by 40.2usft at 12560.4usft MD (12423.9 TVD, 47.4 N, 437.8 E) - Point	0.00	0.00	12,461.0	32.0	440.0	425,553.00	737,563.00	32° 10' 3.477 N	103° 33' 56.152 W
PBHL (H 34 St Com #70 - plan hits target center - Point	0.00	0.00	12,461.0	10,025.0	367.0	435,546.00	737,490.00	32° 11' 42.369 N	103° 33' 56.172 W