



Lea County, NM (NAD 83 NME)

Python 36 State Com #704H

Plan #0.1



Adjustments to Grid North
True North: -0.37°
Magnetic North: 8.42°
Magnetic Field
Strength: 4725.1 nT
Dip Angle: 69.89°
Date: 2/25/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.42°
To convert a Magnetic Direction to a True Direction, Add 0.37° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

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: 8704H

KB = 25' @ 3584.000 3559.0
Northing 426738.00 Easting 758589.00 Latitude 32° 10' 8.341 N Longitude 107° 37' 52.377 W

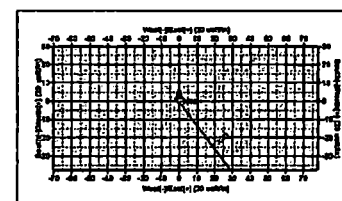
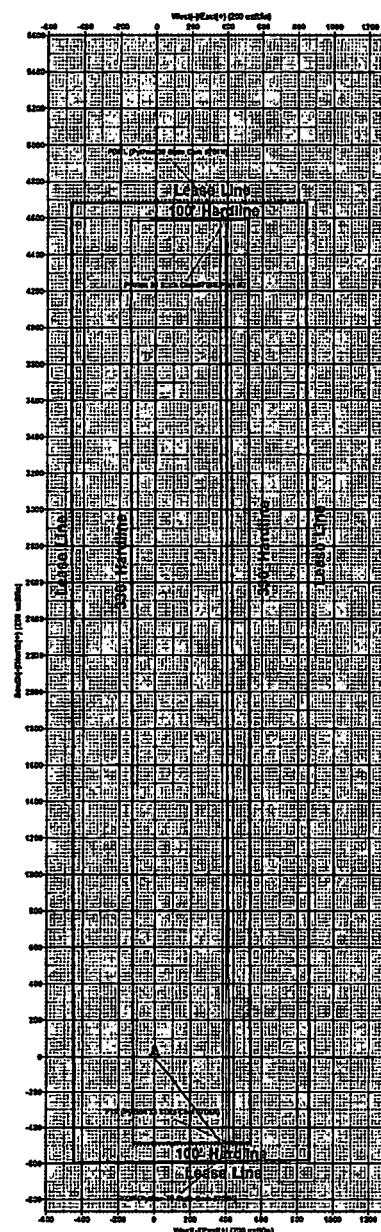
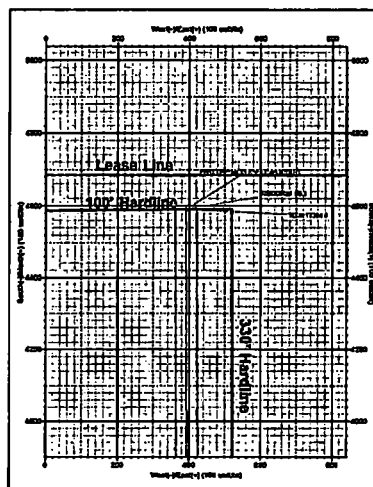
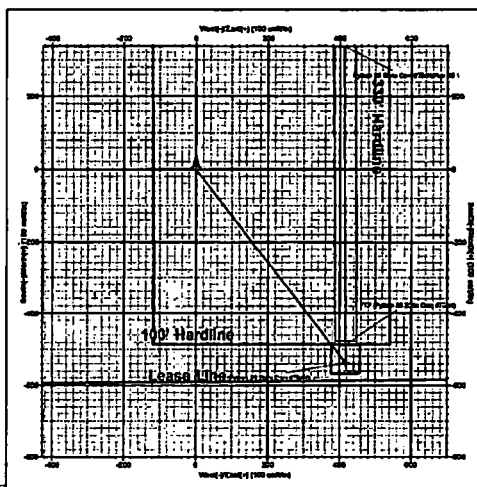
SECTION DETAILS

Sec	MD	Inc	Adj	TVD	+W-S	+E-W	Depth	TFace	VFace	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	3005.0	0.00	0.00	3005.0	-0.0	0.0	0.00	0.00	0.0		
3	3223.1	4.48	142.17	2222.9	-4.9	0.3	2.89	142.17	-4.4		
4	11723.7	4.48	142.17	11713.8	-53.0	1.1	0.00	0.00	-53.2		KOP (Python 36 State Com #704H)
6	11923.9	0.00	0.00	11923.9	-53.0	417.0	0.00	160.00	-53.6		PDH (Python 36 State Com #704H)
8	12712.8	80.00	359.72	13414.0	-63.0	414.7	12.00	359.72	-34.1		
7	17384.4	80.00	359.72	13414.0	-532.0	321.0	0.00	0.00	4528.7		

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (NAD 83 COORDINATES)

Name	TVD	+W-S	+E-W	Northing	Easting
KOP (Python 36 State Com #704H)	11923.9	-53.0	417.0	426738.00	758589.00
PDH (Python 36 State Com #704H)	13414.0	-63.0	312.0	430330.00	758581.00
FTP (Python 36 State Com #704H)	13414.0	-537.0	417.0	425251.00	758004.00



Vertical Section at 140°W (200 units)

Vertical Section at 100°W (200 units)

Vertical Section at 100°W (200 units)

Vertical Section at 100°W (200 units)



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Python 36 State Com

#704H

76557

OH

Plan: Plan #0.1

Standard Planning Report

08 April, 2019



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3584.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3584.0usft
Site:	Python 36 State Com	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Python 36 State Com		
Site Position:		Northing:	425,448.00 usft
From:	Map	Easting:	757,528.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 3.739 N
		Longitude:	103° 38' 4.742 W
		Grid Convergence:	0.37 °

Well	#704H		
Well Position	+N-S	290.0 usft	Northing:
	+E-W	1,061.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 10' 6.541 N
		Longitude:	103° 37' 52.377 W
		Ground Level:	3,559.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	2/21/2019	6.79
			Dip Angle
			59.98
			Field Strength
			47,725.07368228

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			4.88

Plan Survey Tool Program	Date 4/8/2019		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	17,364.4 Plan #0.1 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,223.1	4.48	142.17	3,222.9	-8.9	5.3	2.00	2.00	0.00	142.17	
11,739.7	4.48	142.17	11,713.6	-530.1	411.7	0.00	0.00	0.00	0.00	
11,862.8	0.00	0.00	11,836.5	-537.0	417.0	2.00	-2.00	0.00	180.00	KOP (Python 36 State
12,712.8	90.00	359.72	12,414.0	-59.5	414.7	12.00	12.00	-0.04	359.72	
17,364.4	90.00	359.72	12,414.0	4,592.0	392.0	0.00	0.00	0.00	0.00	PBHL (Python 36 State



Planning Report

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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3584.0usft
Site:	Python 38 State Com	North Reference:	Grid
Well:	#704H	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	2.00	142.17	3,100.0	-1.4	1.1	-1.3	2.00	2.00	0.00
3,200.0	4.00	142.17	3,189.8	-5.5	4.3	-5.1	2.00	2.00	0.00
3,223.1	4.46	142.17	3,222.9	-6.9	5.3	-6.4	2.00	2.00	0.00
3,300.0	4.46	142.17	3,299.5	-11.6	9.0	-10.8	0.00	0.00	0.00
3,400.0	4.46	142.17	3,399.2	-17.7	13.8	-16.5	0.00	0.00	0.00
3,500.0	4.46	142.17	3,498.9	-23.9	18.5	-22.2	0.00	0.00	0.00
3,600.0	4.46	142.17	3,598.6	-30.0	23.3	-27.9	0.00	0.00	0.00
3,700.0	4.46	142.17	3,698.3	-36.2	28.1	-33.6	0.00	0.00	0.00
3,800.0	4.46	142.17	3,798.0	-42.3	32.9	-39.4	0.00	0.00	0.00
3,900.0	4.46	142.17	3,897.7	-48.4	37.6	-45.1	0.00	0.00	0.00
4,000.0	4.46	142.17	3,997.4	-54.6	42.4	-50.8	0.00	0.00	0.00
4,100.0	4.46	142.17	4,097.1	-60.7	47.2	-56.5	0.00	0.00	0.00
4,200.0	4.46	142.17	4,196.8	-66.9	51.9	-62.2	0.00	0.00	0.00
4,300.0	4.46	142.17	4,296.5	-73.0	56.7	-67.9	0.00	0.00	0.00
4,400.0	4.46	142.17	4,396.2	-79.2	61.5	-73.7	0.00	0.00	0.00
4,500.0	4.46	142.17	4,495.9	-85.3	66.2	-79.4	0.00	0.00	0.00
4,600.0	4.46	142.17	4,595.6	-91.5	71.0	-85.1	0.00	0.00	0.00
4,700.0	4.46	142.17	4,695.3	-97.6	75.8	-90.8	0.00	0.00	0.00
4,800.0	4.46	142.17	4,795.0	-103.7	80.6	-96.5	0.00	0.00	0.00
4,900.0	4.46	142.17	4,894.7	-109.9	85.3	-102.2	0.00	0.00	0.00
5,000.0	4.46	142.17	4,994.4	-116.0	90.1	-108.0	0.00	0.00	0.00
5,100.0	4.46	142.17	5,094.1	-122.2	94.9	-113.7	0.00	0.00	0.00
5,200.0	4.46	142.17	5,193.8	-128.3	99.6	-119.4	0.00	0.00	0.00



Planning Report

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Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3584.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3584.0usft
Site:	Python 38 State Corn	North Reference:	Grid
Well:	#704H	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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	4.46	142.17	5,293.5	-134.5	104.4	-125.1	0.00	0.00	0.00
5,400.0	4.46	142.17	5,393.2	-140.6	109.2	-130.8	0.00	0.00	0.00
5,500.0	4.46	142.17	5,492.9	-146.8	114.0	-136.5	0.00	0.00	0.00
5,600.0	4.46	142.17	5,592.6	-152.9	118.7	-142.2	0.00	0.00	0.00
5,700.0	4.46	142.17	5,692.3	-159.0	123.5	-148.0	0.00	0.00	0.00
5,800.0	4.46	142.17	5,792.0	-165.2	128.3	-153.7	0.00	0.00	0.00
5,900.0	4.46	142.17	5,891.7	-171.3	133.0	-159.4	0.00	0.00	0.00
6,000.0	4.46	142.17	5,991.4	-177.5	137.8	-165.1	0.00	0.00	0.00
6,100.0	4.46	142.17	6,091.1	-183.6	142.6	-170.8	0.00	0.00	0.00
6,200.0	4.46	142.17	6,190.8	-189.8	147.4	-176.5	0.00	0.00	0.00
6,300.0	4.46	142.17	6,290.4	-195.9	152.1	-182.3	0.00	0.00	0.00
6,400.0	4.46	142.17	6,390.1	-202.1	156.9	-188.0	0.00	0.00	0.00
6,500.0	4.46	142.17	6,489.8	-208.2	161.7	-193.7	0.00	0.00	0.00
6,600.0	4.46	142.17	6,589.5	-214.3	166.4	-199.4	0.00	0.00	0.00
6,700.0	4.46	142.17	6,689.2	-220.5	171.2	-205.1	0.00	0.00	0.00
6,800.0	4.46	142.17	6,788.9	-226.6	176.0	-210.8	0.00	0.00	0.00
6,900.0	4.46	142.17	6,888.6	-232.8	180.8	-216.6	0.00	0.00	0.00
7,000.0	4.46	142.17	6,988.3	-238.9	185.5	-222.3	0.00	0.00	0.00
7,100.0	4.46	142.17	7,088.0	-245.1	190.3	-228.0	0.00	0.00	0.00
7,200.0	4.46	142.17	7,187.7	-251.2	195.1	-233.7	0.00	0.00	0.00
7,300.0	4.46	142.17	7,287.4	-257.4	199.8	-239.4	0.00	0.00	0.00
7,400.0	4.46	142.17	7,387.1	-263.5	204.6	-245.1	0.00	0.00	0.00
7,500.0	4.46	142.17	7,486.8	-269.6	209.4	-250.9	0.00	0.00	0.00
7,600.0	4.46	142.17	7,586.5	-275.8	214.2	-256.6	0.00	0.00	0.00
7,700.0	4.46	142.17	7,686.2	-281.9	218.9	-262.3	0.00	0.00	0.00
7,800.0	4.46	142.17	7,785.9	-288.1	223.7	-268.0	0.00	0.00	0.00
7,900.0	4.46	142.17	7,885.6	-294.2	228.5	-273.7	0.00	0.00	0.00
8,000.0	4.46	142.17	7,985.3	-300.4	233.2	-279.4	0.00	0.00	0.00
8,100.0	4.46	142.17	8,085.0	-306.5	238.0	-285.2	0.00	0.00	0.00
8,200.0	4.46	142.17	8,184.7	-312.7	242.8	-290.9	0.00	0.00	0.00
8,300.0	4.46	142.17	8,284.4	-318.8	247.6	-296.6	0.00	0.00	0.00
8,400.0	4.46	142.17	8,384.1	-324.9	252.3	-302.3	0.00	0.00	0.00
8,500.0	4.46	142.17	8,483.8	-331.1	257.1	-308.0	0.00	0.00	0.00
8,600.0	4.46	142.17	8,583.5	-337.2	261.9	-313.7	0.00	0.00	0.00
8,700.0	4.46	142.17	8,683.2	-343.4	266.6	-319.5	0.00	0.00	0.00
8,800.0	4.46	142.17	8,782.9	-349.5	271.4	-325.2	0.00	0.00	0.00
8,900.0	4.46	142.17	8,882.6	-355.7	276.2	-330.9	0.00	0.00	0.00
9,000.0	4.46	142.17	8,982.3	-361.8	281.0	-336.6	0.00	0.00	0.00
9,100.0	4.46	142.17	9,082.0	-368.0	285.7	-342.3	0.00	0.00	0.00
9,200.0	4.46	142.17	9,181.7	-374.1	290.5	-348.0	0.00	0.00	0.00
9,300.0	4.46	142.17	9,281.4	-380.2	295.3	-353.7	0.00	0.00	0.00
9,400.0	4.46	142.17	9,381.1	-386.4	300.0	-359.5	0.00	0.00	0.00
9,500.0	4.46	142.17	9,480.8	-392.5	304.8	-365.2	0.00	0.00	0.00
9,600.0	4.46	142.17	9,580.4	-398.7	309.6	-370.9	0.00	0.00	0.00
9,700.0	4.46	142.17	9,680.1	-404.8	314.4	-376.6	0.00	0.00	0.00
9,800.0	4.46	142.17	9,779.8	-411.0	319.1	-382.3	0.00	0.00	0.00
9,900.0	4.46	142.17	9,879.5	-417.1	323.9	-388.0	0.00	0.00	0.00
10,000.0	4.46	142.17	9,979.2	-423.3	328.7	-393.8	0.00	0.00	0.00
10,100.0	4.46	142.17	10,078.9	-429.4	333.4	-399.5	0.00	0.00	0.00
10,200.0	4.46	142.17	10,178.6	-435.5	338.2	-405.2	0.00	0.00	0.00
10,300.0	4.46	142.17	10,278.3	-441.7	343.0	-410.9	0.00	0.00	0.00
10,400.0	4.46	142.17	10,378.0	-447.8	347.8	-416.6	0.00	0.00	0.00
10,500.0	4.46	142.17	10,477.7	-454.0	352.5	-422.3	0.00	0.00	0.00
10,600.0	4.46	142.17	10,577.4	-460.1	357.3	-428.1	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3584.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3584.0usft
Site:	Python 38 State Com	North Reference:	Grid
Well:	#704H	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	4.46	142.17	10,677.1	-466.3	382.1	-433.8	0.00	0.00	0.00
10,800.0	4.46	142.17	10,776.8	-472.4	366.8	-439.5	0.00	0.00	0.00
10,900.0	4.46	142.17	10,876.5	-478.6	371.6	-445.2	0.00	0.00	0.00
11,000.0	4.46	142.17	10,976.2	-484.7	376.4	-450.9	0.00	0.00	0.00
11,100.0	4.46	142.17	11,075.9	-490.8	381.2	-456.6	0.00	0.00	0.00
11,200.0	4.46	142.17	11,175.6	-497.0	385.9	-462.4	0.00	0.00	0.00
11,300.0	4.46	142.17	11,275.3	-503.1	390.7	-468.1	0.00	0.00	0.00
11,400.0	4.46	142.17	11,375.0	-509.3	395.5	-473.8	0.00	0.00	0.00
11,500.0	4.46	142.17	11,474.7	-515.4	400.2	-479.5	0.00	0.00	0.00
11,600.0	4.46	142.17	11,574.4	-521.6	405.0	-485.2	0.00	0.00	0.00
11,700.0	4.46	142.17	11,674.1	-527.7	409.8	-490.9	0.00	0.00	0.00
11,739.7	4.46	142.17	11,713.6	-530.1	411.7	-493.2	0.00	0.00	0.00
11,800.0	3.26	142.17	11,773.8	-533.3	414.2	-496.2	2.00	-2.00	0.00
11,900.0	1.28	142.17	11,873.7	-536.5	416.6	-499.1	2.00	-2.00	0.00
11,982.8	0.00	0.00	11,936.5	-537.0	417.0	-499.8	2.00	-2.00	0.00
11,975.0	1.47	359.72	11,948.7	-536.8	417.0	-499.4	12.00	12.00	0.00
12,000.0	4.47	359.72	11,973.7	-535.5	417.0	-498.1	12.00	12.00	0.00
12,025.0	7.47	359.72	11,998.6	-532.8	417.0	-495.6	12.00	12.00	0.00
12,050.0	10.47	359.72	12,023.3	-529.1	417.0	-491.7	12.00	12.00	0.00
12,075.0	13.47	359.72	12,047.7	-523.9	416.9	-486.5	12.00	12.00	0.00
12,100.0	16.47	359.72	12,071.9	-517.4	416.9	-480.1	12.00	12.00	0.00
12,125.0	19.47	359.72	12,095.6	-509.7	416.9	-472.4	12.00	12.00	0.00
12,150.0	22.47	359.72	12,119.0	-500.8	416.8	-463.5	12.00	12.00	0.00
12,175.0	25.47	359.72	12,141.8	-490.6	416.8	-453.4	12.00	12.00	0.00
12,200.0	28.47	359.72	12,164.1	-479.3	416.7	-442.1	12.00	12.00	0.00
12,225.0	31.47	359.72	12,185.8	-466.8	416.7	-429.6	12.00	12.00	0.00
12,250.0	34.47	359.72	12,208.7	-453.2	416.6	-416.1	12.00	12.00	0.00
12,275.0	37.47	359.72	12,227.0	-438.5	416.5	-401.5	12.00	12.00	0.00
12,300.0	40.47	359.72	12,246.4	-422.8	416.4	-385.8	12.00	12.00	0.00
12,325.0	43.47	359.72	12,265.0	-408.1	416.4	-369.2	12.00	12.00	0.00
12,350.0	46.47	359.72	12,282.7	-388.4	416.3	-351.6	12.00	12.00	0.00
12,375.0	49.47	359.72	12,299.4	-369.8	416.2	-333.1	12.00	12.00	0.00
12,400.0	52.47	359.72	12,315.1	-350.4	416.1	-313.7	12.00	12.00	0.00
12,425.0	55.47	359.72	12,329.8	-330.2	416.0	-293.6	12.00	12.00	0.00
12,450.0	58.47	359.72	12,343.5	-309.2	415.9	-272.7	12.00	12.00	0.00
12,475.0	61.47	359.72	12,356.0	-287.6	415.8	-251.2	12.00	12.00	0.00
12,500.0	64.47	359.72	12,367.3	-265.3	415.7	-229.0	12.00	12.00	0.00
12,525.0	67.47	359.72	12,377.5	-242.5	415.6	-206.3	12.00	12.00	0.00
12,550.0	70.47	359.72	12,386.5	-219.2	415.5	-183.0	12.00	12.00	0.00
12,575.0	73.47	359.72	12,394.2	-195.4	415.3	-159.4	12.00	12.00	0.00
12,600.0	76.47	359.72	12,400.7	-171.3	415.2	-135.3	12.00	12.00	0.00
12,625.0	79.47	359.72	12,405.9	-146.8	415.1	-111.0	12.00	12.00	0.00
12,650.0	82.47	359.72	12,409.8	-122.1	415.0	-88.4	12.00	12.00	0.00
12,675.0	85.47	359.72	12,412.5	-97.3	414.9	-61.8	12.00	12.00	0.00
12,700.0	88.47	359.72	12,413.8	-72.3	414.7	-36.8	12.00	12.00	0.00
12,712.8	90.00	359.72	12,414.0	-59.5	414.7	-24.1	12.00	12.00	0.00
12,800.0	90.00	359.72	12,414.0	27.7	414.2	62.8	0.00	0.00	0.00
12,900.0	90.00	359.72	12,414.0	127.7	413.8	162.4	0.00	0.00	0.00
13,000.0	90.00	359.72	12,414.0	227.7	413.3	262.0	0.00	0.00	0.00
13,100.0	90.00	359.72	12,414.0	327.7	412.8	361.6	0.00	0.00	0.00
13,200.0	90.00	359.72	12,414.0	427.7	412.3	461.2	0.00	0.00	0.00
13,300.0	90.00	359.72	12,414.0	527.7	411.8	560.8	0.00	0.00	0.00
13,400.0	90.00	359.72	12,414.0	627.7	411.3	660.4	0.00	0.00	0.00
13,500.0	90.00	359.72	12,414.0	727.7	410.8	760.0	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3584.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3584.0usft
Site:	Python 36 State Com	North Reference:	Grid
Well:	#704H	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)
13,600.0	90.00	359.72	12,414.0	827.7	410.3	859.6	0.00	0.00	0.00
13,700.0	90.00	359.72	12,414.0	927.7	409.9	959.2	0.00	0.00	0.00
13,800.0	90.00	359.72	12,414.0	1,027.7	409.4	1,058.8	0.00	0.00	0.00
13,900.0	90.00	359.72	12,414.0	1,127.7	408.9	1,158.4	0.00	0.00	0.00
14,000.0	90.00	359.72	12,414.0	1,227.7	408.4	1,258.0	0.00	0.00	0.00
14,100.0	90.00	359.72	12,414.0	1,327.7	407.9	1,357.6	0.00	0.00	0.00
14,200.0	90.00	359.72	12,414.0	1,427.7	407.4	1,457.2	0.00	0.00	0.00
14,300.0	90.00	359.72	12,414.0	1,527.7	406.9	1,556.8	0.00	0.00	0.00
14,400.0	90.00	359.72	12,414.0	1,627.7	406.4	1,656.4	0.00	0.00	0.00
14,500.0	90.00	359.72	12,414.0	1,727.7	406.0	1,755.9	0.00	0.00	0.00
14,600.0	90.00	359.72	12,414.0	1,827.7	405.5	1,855.5	0.00	0.00	0.00
14,700.0	90.00	359.72	12,414.0	1,827.7	405.0	1,855.1	0.00	0.00	0.00
14,800.0	90.00	359.72	12,414.0	2,027.7	404.5	2,054.7	0.00	0.00	0.00
14,900.0	90.00	359.72	12,414.0	2,127.7	404.0	2,154.3	0.00	0.00	0.00
15,000.0	90.00	359.72	12,414.0	2,227.7	403.5	2,253.9	0.00	0.00	0.00
15,100.0	90.00	359.72	12,414.0	2,327.7	403.0	2,353.5	0.00	0.00	0.00
15,200.0	90.00	359.72	12,414.0	2,427.7	402.5	2,453.1	0.00	0.00	0.00
15,300.0	90.00	359.72	12,414.0	2,527.7	402.1	2,552.7	0.00	0.00	0.00
15,400.0	90.00	359.72	12,414.0	2,627.7	401.6	2,652.3	0.00	0.00	0.00
15,500.0	90.00	359.72	12,414.0	2,727.7	401.1	2,751.9	0.00	0.00	0.00
15,600.0	90.00	359.72	12,414.0	2,827.7	400.6	2,851.5	0.00	0.00	0.00
15,700.0	90.00	359.72	12,414.0	2,927.7	400.1	2,951.1	0.00	0.00	0.00
15,800.0	90.00	359.72	12,414.0	3,027.7	399.6	3,050.7	0.00	0.00	0.00
15,900.0	90.00	359.72	12,414.0	3,127.7	399.1	3,150.3	0.00	0.00	0.00
16,000.0	90.00	359.72	12,414.0	3,227.7	398.7	3,249.9	0.00	0.00	0.00
16,100.0	90.00	359.72	12,414.0	3,327.7	398.2	3,349.5	0.00	0.00	0.00
16,200.0	90.00	359.72	12,414.0	3,427.7	397.7	3,449.1	0.00	0.00	0.00
16,300.0	90.00	359.72	12,414.0	3,527.7	397.2	3,548.7	0.00	0.00	0.00
16,400.0	90.00	359.72	12,414.0	3,627.7	396.7	3,648.3	0.00	0.00	0.00
16,500.0	90.00	359.72	12,414.0	3,727.7	396.2	3,747.8	0.00	0.00	0.00
16,600.0	90.00	359.72	12,414.0	3,827.7	395.7	3,847.4	0.00	0.00	0.00
16,700.0	90.00	359.72	12,414.0	3,927.7	395.2	3,947.0	0.00	0.00	0.00
16,800.0	90.00	359.72	12,414.0	4,027.7	394.8	4,046.6	0.00	0.00	0.00
16,900.0	90.00	359.72	12,414.0	4,127.6	394.3	4,146.2	0.00	0.00	0.00
17,000.0	90.00	359.72	12,414.0	4,227.6	393.8	4,245.8	0.00	0.00	0.00
17,100.0	90.00	359.72	12,414.0	4,327.6	393.3	4,345.4	0.00	0.00	0.00
17,200.0	90.00	359.72	12,414.0	4,427.6	392.8	4,445.0	0.00	0.00	0.00
17,300.0	90.00	359.72	12,414.0	4,527.6	392.3	4,544.6	0.00	0.00	0.00
17,364.4	90.00	359.72	12,414.0	4,592.0	392.0	4,608.7	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3584.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3584.0usft
Site:	Python 36 State Com	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/S	+E/W	Northing	Easting	Latitude	Longitude
hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Shape									
KOP (Python 36 State C	0.00	0.01	11,936.5	-537.0	417.0	425,201.00	759,006.00	32° 10' 1.200 N	103° 37' 47.586 W
- plan hits target center									
- Polygon									
Point 1			11,936.5	50.0	-40.0	425,251.00	758,866.00		
Point 2			11,936.5	50.0	40.0	425,251.00	759,046.00		
Point 3			11,936.5	-30.0	40.0	425,171.00	759,045.89		
Point 4			11,936.5	-30.0	-40.0	425,171.00	758,965.89		
PBHL (Python 36 State C	80.00	359.71	12,414.0	4,592.0	392.0	430,330.00	758,981.00	32° 10' 51.955 N	103° 37' 47.467 W
- plan hits target center									
- Rectangle (sides W60.0 H0.0 D5,068.9)									
FTP (Python 36 State C	0.00	0.00	12,414.0	-487.0	417.0	425,251.00	759,006.00	32° 10' 1.695 N	103° 37' 47.563 W
- plan misses target center by 163.4usft at 12364.7usft MD (12292.6 TVD, -377.6 N, 416.2 E)									
- Point									