

HOBBS OCD
NOV 29 2018
RECEIVED



Lea County, NM (NAD 83 NME)

Convoy 28 State Com #705H

Plan #0.2

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: #705H

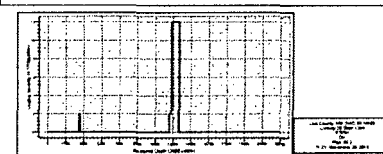
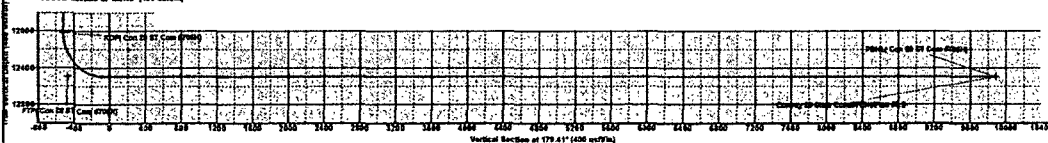
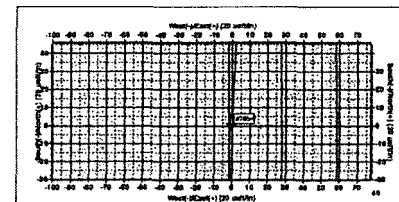
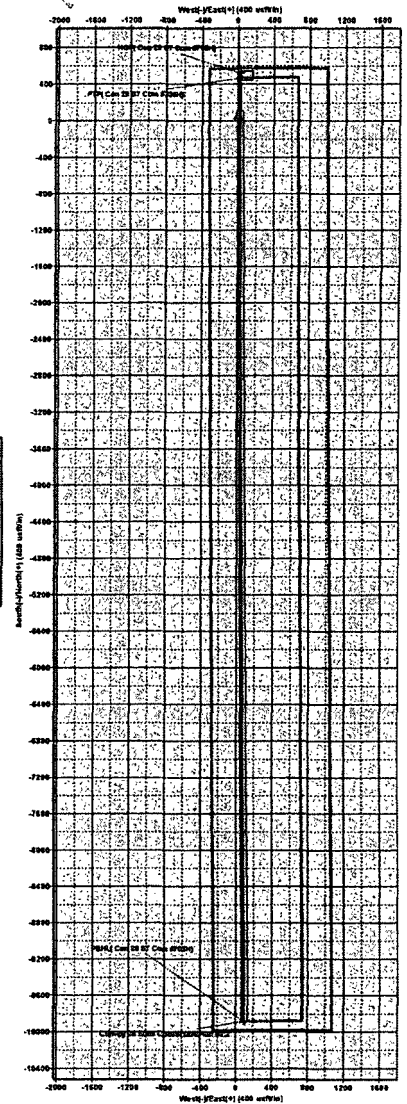
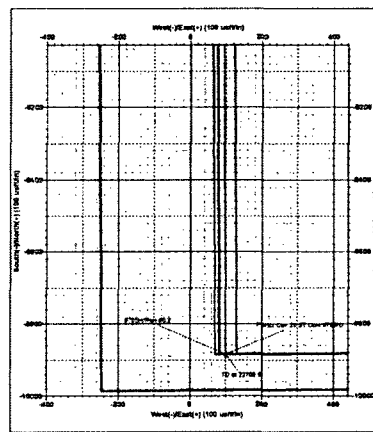
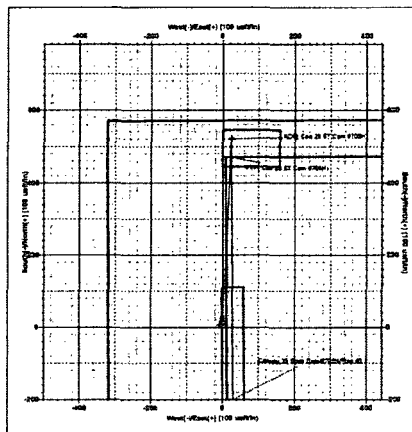
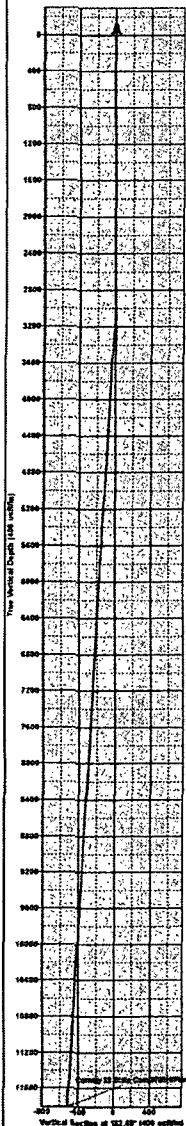
KB = 25 @ 3545.0usft 3520.0
Northing 435247.00 Easting 775540.00 Latitude 32° 11' 39.498 N Longitude 103° 34' 34.395 W

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	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3168.7	3.37	2.64	3168.6	5.0	0.2	2.00	2.64	-5.0	
4	11863.1	3.37	2.64	11847.9	516.0	23.8	0.00	0.00	-515.8	
5	12031.8	0.00	0.00	12016.5	521.0	24.0	2.00	180.00	-520.7	KOP(Con 28 ST Com #705H)
6	12781.8	90.00	179.58	12494.0	43.5	27.5	12.00	179.58	-43.3	
7	22709.6	90.00	179.58	12494.0	-9884.0	101.0	0.00	0.00	9884.5	PBHL(Con 28 ST Com #705H)

WELLDROP TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Con 28 ST Com #705H)	12016.5	521.0	24.0	435247.00	775540.00
PBHL(Con 28 ST Com #705H)	12494.0	43.5	27.5	435247.00	775540.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Convoy 28 State Com

#705H

OH

Plan: Plan #0.2

Standard Planning Report

28 November, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #705H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3545.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3545.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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		Convoy 28 State Com			
Site Position:		Northing:	435,221.00 usft	Latitude:	32° 11' 39.126 N
From:	Map	Easting:	777,172.00 usft	Longitude:	103° 34' 15.406 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41

Well	#705H					
Well Position	+N/-S	26.0 usft	Northing:	435,247.00 usft	Latitude:	32° 11' 39.498 N
	+E/-W	-1,632.0 usft	Easting:	775,540.00 usft	Longitude:	103° 34' 34.395 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,520.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/30/2017	6.90	60.03	47,872.54360257

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	179.41

Plan Survey Tool Program	Date 11/28/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,709.6 Plan #0.2 (OH)	MWD	
			OWSG MWD - Standard	

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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,168.7	3.37	2.64	3,168.6	5.0	0.2	2.00	2.00	0.00	2.64	
11,863.1	3.37	2.64	11,847.9	516.0	23.8	0.00	0.00	0.00	0.00	
12,031.8	0.00	0.00	12,016.5	521.0	24.0	2.00	-2.00	0.00	180.00	KOP(Con 28 ST Con
12,781.8	90.00	179.58	12,494.0	43.5	27.5	12.00	12.00	23.94	179.58	
22,709.6	90.00	179.58	12,494.0	-9,884.0	101.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Co



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Convoy 28 State Com
 Well: #705H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #705H
 TVD Reference: KB = 25 @ 3545.0usft
 MD Reference: KB = 25 @ 3545.0usft
 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)
0.0	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	2.64	3,100.0	1.7	0.1	-1.7	2.00	2.00	0.00
3,168.7	3.37	2.64	3,168.6	5.0	0.2	-5.0	2.00	2.00	0.00
3,200.0	3.37	2.64	3,199.8	6.8	0.3	-6.8	0.00	0.00	0.00
3,300.0	3.37	2.64	3,299.7	12.7	0.6	-12.7	0.00	0.00	0.00
3,400.0	3.37	2.64	3,399.5	18.6	0.9	-18.5	0.00	0.00	0.00
3,500.0	3.37	2.64	3,499.3	24.4	1.1	-24.4	0.00	0.00	0.00
3,600.0	3.37	2.64	3,599.2	30.3	1.4	-30.3	0.00	0.00	0.00
3,700.0	3.37	2.64	3,699.0	36.2	1.7	-36.2	0.00	0.00	0.00
3,800.0	3.37	2.64	3,798.8	42.1	1.9	-42.0	0.00	0.00	0.00
3,900.0	3.37	2.64	3,898.6	47.9	2.2	-47.9	0.00	0.00	0.00
4,000.0	3.37	2.64	3,998.5	53.8	2.5	-53.8	0.00	0.00	0.00
4,100.0	3.37	2.64	4,098.3	59.7	2.8	-59.7	0.00	0.00	0.00
4,200.0	3.37	2.64	4,198.1	65.6	3.0	-65.5	0.00	0.00	0.00
4,300.0	3.37	2.64	4,297.9	71.5	3.3	-71.4	0.00	0.00	0.00
4,400.0	3.37	2.64	4,397.8	77.3	3.6	-77.3	0.00	0.00	0.00
4,500.0	3.37	2.64	4,497.6	83.2	3.8	-83.2	0.00	0.00	0.00
4,600.0	3.37	2.64	4,597.4	89.1	4.1	-89.0	0.00	0.00	0.00
4,700.0	3.37	2.64	4,697.2	95.0	4.4	-94.9	0.00	0.00	0.00
4,800.0	3.37	2.64	4,797.1	100.9	4.6	-100.8	0.00	0.00	0.00
4,900.0	3.37	2.64	4,896.9	106.7	4.9	-106.7	0.00	0.00	0.00
5,000.0	3.37	2.64	4,996.7	112.6	5.2	-112.6	0.00	0.00	0.00
5,100.0	3.37	2.64	5,096.6	118.5	5.5	-118.4	0.00	0.00	0.00
5,200.0	3.37	2.64	5,196.4	124.4	5.7	-124.3	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #705H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3545.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3545.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#705H	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)
5,300.0	3.37	2.64	5,296.2	130.2	6.0	-130.2	0.00	0.00	0.00
5,400.0	3.37	2.64	5,396.0	136.1	6.3	-136.1	0.00	0.00	0.00
5,500.0	3.37	2.64	5,495.9	142.0	6.5	-141.9	0.00	0.00	0.00
5,600.0	3.37	2.64	5,595.7	147.9	6.8	-147.8	0.00	0.00	0.00
5,700.0	3.37	2.64	5,695.5	153.8	7.1	-153.7	0.00	0.00	0.00
5,800.0	3.37	2.64	5,795.3	159.6	7.4	-159.6	0.00	0.00	0.00
5,900.0	3.37	2.64	5,895.2	165.5	7.6	-165.4	0.00	0.00	0.00
6,000.0	3.37	2.64	5,995.0	171.4	7.9	-171.3	0.00	0.00	0.00
6,100.0	3.37	2.64	6,094.8	177.3	8.2	-177.2	0.00	0.00	0.00
6,200.0	3.37	2.64	6,194.6	183.1	8.4	-183.1	0.00	0.00	0.00
6,300.0	3.37	2.64	6,294.5	189.0	8.7	-188.9	0.00	0.00	0.00
6,400.0	3.37	2.64	6,394.3	194.9	9.0	-194.8	0.00	0.00	0.00
6,500.0	3.37	2.64	6,494.1	200.8	9.2	-200.7	0.00	0.00	0.00
6,600.0	3.37	2.64	6,594.0	206.7	9.5	-206.6	0.00	0.00	0.00
6,700.0	3.37	2.64	6,693.8	212.5	9.8	-212.4	0.00	0.00	0.00
6,800.0	3.37	2.64	6,793.6	218.4	10.1	-218.3	0.00	0.00	0.00
6,900.0	3.37	2.64	6,893.4	224.3	10.3	-224.2	0.00	0.00	0.00
7,000.0	3.37	2.64	6,993.3	230.2	10.6	-230.1	0.00	0.00	0.00
7,100.0	3.37	2.64	7,093.1	236.1	10.9	-235.9	0.00	0.00	0.00
7,200.0	3.37	2.64	7,192.9	241.9	11.1	-241.8	0.00	0.00	0.00
7,300.0	3.37	2.64	7,292.7	247.8	11.4	-247.7	0.00	0.00	0.00
7,400.0	3.37	2.64	7,392.6	253.7	11.7	-253.6	0.00	0.00	0.00
7,500.0	3.37	2.64	7,492.4	259.6	12.0	-259.4	0.00	0.00	0.00
7,600.0	3.37	2.64	7,592.2	265.4	12.2	-265.3	0.00	0.00	0.00
7,700.0	3.37	2.64	7,692.1	271.3	12.5	-271.2	0.00	0.00	0.00
7,800.0	3.37	2.64	7,791.9	277.2	12.8	-277.1	0.00	0.00	0.00
7,900.0	3.37	2.64	7,891.7	283.1	13.0	-282.9	0.00	0.00	0.00
8,000.0	3.37	2.64	7,991.5	289.0	13.3	-288.8	0.00	0.00	0.00
8,100.0	3.37	2.64	8,091.4	294.8	13.6	-294.7	0.00	0.00	0.00
8,200.0	3.37	2.64	8,191.2	300.7	13.9	-300.6	0.00	0.00	0.00
8,300.0	3.37	2.64	8,291.0	306.6	14.1	-306.4	0.00	0.00	0.00
8,400.0	3.37	2.64	8,390.8	312.5	14.4	-312.3	0.00	0.00	0.00
8,500.0	3.37	2.64	8,490.7	318.3	14.7	-318.2	0.00	0.00	0.00
8,600.0	3.37	2.64	8,590.5	324.2	14.9	-324.1	0.00	0.00	0.00
8,700.0	3.37	2.64	8,690.3	330.1	15.2	-329.9	0.00	0.00	0.00
8,800.0	3.37	2.64	8,790.1	336.0	15.5	-335.8	0.00	0.00	0.00
8,900.0	3.37	2.64	8,890.0	341.9	15.7	-341.7	0.00	0.00	0.00
9,000.0	3.37	2.64	8,989.8	347.7	16.0	-347.6	0.00	0.00	0.00
9,100.0	3.37	2.64	9,089.6	353.6	16.3	-353.4	0.00	0.00	0.00
9,200.0	3.37	2.64	9,189.5	359.5	16.6	-359.3	0.00	0.00	0.00
9,300.0	3.37	2.64	9,289.3	365.4	16.8	-365.2	0.00	0.00	0.00
9,400.0	3.37	2.64	9,389.1	371.3	17.1	-371.1	0.00	0.00	0.00
9,500.0	3.37	2.64	9,488.9	377.1	17.4	-376.9	0.00	0.00	0.00
9,600.0	3.37	2.64	9,588.8	383.0	17.6	-382.8	0.00	0.00	0.00
9,700.0	3.37	2.64	9,688.6	388.9	17.9	-388.7	0.00	0.00	0.00
9,800.0	3.37	2.64	9,788.4	394.8	18.2	-394.6	0.00	0.00	0.00
9,900.0	3.37	2.64	9,888.2	400.6	18.5	-400.4	0.00	0.00	0.00
10,000.0	3.37	2.64	9,988.1	406.5	18.7	-406.3	0.00	0.00	0.00
10,100.0	3.37	2.64	10,087.9	412.4	19.0	-412.2	0.00	0.00	0.00
10,200.0	3.37	2.64	10,187.7	418.3	19.3	-418.1	0.00	0.00	0.00
10,300.0	3.37	2.64	10,287.5	424.2	19.5	-423.9	0.00	0.00	0.00
10,400.0	3.37	2.64	10,387.4	430.0	19.8	-429.8	0.00	0.00	0.00
10,500.0	3.37	2.64	10,487.2	435.9	20.1	-435.7	0.00	0.00	0.00
10,600.0	3.37	2.64	10,587.0	441.8	20.4	-441.6	0.00	0.00	0.00



Planning Report

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Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3545.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3545.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#705H	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	3.37	2.64	10,686.9	447.7	20.6	-447.4	0.00	0.00	0.00
10,800.0	3.37	2.64	10,786.7	453.5	20.9	-453.3	0.00	0.00	0.00
10,900.0	3.37	2.64	10,886.5	459.4	21.2	-459.2	0.00	0.00	0.00
11,000.0	3.37	2.64	10,986.3	465.3	21.4	-465.1	0.00	0.00	0.00
11,100.0	3.37	2.64	11,086.2	471.2	21.7	-470.9	0.00	0.00	0.00
11,200.0	3.37	2.64	11,186.0	477.1	22.0	-476.8	0.00	0.00	0.00
11,300.0	3.37	2.64	11,285.8	482.9	22.2	-482.7	0.00	0.00	0.00
11,400.0	3.37	2.64	11,385.6	488.8	22.5	-488.6	0.00	0.00	0.00
11,500.0	3.37	2.64	11,485.5	494.7	22.8	-494.4	0.00	0.00	0.00
11,600.0	3.37	2.64	11,585.3	500.6	23.1	-500.3	0.00	0.00	0.00
11,700.0	3.37	2.64	11,685.1	506.5	23.3	-506.2	0.00	0.00	0.00
11,800.0	3.37	2.64	11,784.9	512.3	23.6	-512.1	0.00	0.00	0.00
11,863.1	3.37	2.64	11,847.9	516.0	23.8	-515.8	0.00	0.00	0.00
11,900.0	2.64	2.64	11,884.8	518.0	23.9	-517.7	2.00	-2.00	0.00
12,000.0	0.64	2.64	11,984.7	520.8	24.0	-520.6	2.00	-2.00	0.00
12,031.8	0.00	0.00	12,016.5	521.0	24.0	-520.7	2.00	-2.00	0.00
KOP(Con 28 ST Com #705H)									
12,050.0	2.19	179.58	12,034.7	520.7	24.0	-520.4	12.00	12.00	0.00
12,075.0	5.19	179.58	12,059.7	519.0	24.0	-518.8	12.00	12.00	0.00
12,100.0	8.19	179.58	12,084.5	516.1	24.0	-515.9	12.00	12.00	0.00
12,125.0	11.19	179.58	12,109.1	511.9	24.1	-511.7	12.00	12.00	0.00
12,150.0	14.19	179.58	12,133.5	506.4	24.1	-506.2	12.00	12.00	0.00
12,175.0	17.19	179.58	12,157.6	499.7	24.2	-499.4	12.00	12.00	0.00
12,200.0	20.19	179.58	12,181.3	491.7	24.2	-491.4	12.00	12.00	0.00
12,225.0	23.19	179.58	12,204.5	482.4	24.3	-482.2	12.00	12.00	0.00
12,250.0	26.19	179.58	12,227.2	472.0	24.4	-471.7	12.00	12.00	0.00
12,275.0	29.19	179.58	12,249.4	460.4	24.4	-460.1	12.00	12.00	0.00
12,300.0	32.19	179.58	12,270.8	447.6	24.5	-447.3	12.00	12.00	0.00
12,325.0	35.19	179.58	12,291.6	433.8	24.6	-433.5	12.00	12.00	0.00
12,350.0	38.19	179.58	12,311.7	418.8	24.8	-418.5	12.00	12.00	0.00
12,375.0	41.19	179.58	12,330.9	402.9	24.9	-402.6	12.00	12.00	0.00
12,400.0	44.19	179.58	12,349.3	385.9	25.0	-385.6	12.00	12.00	0.00
12,425.0	47.19	179.58	12,366.8	368.0	25.1	-367.7	12.00	12.00	0.00
12,431.6	47.99	179.58	12,371.2	363.1	25.2	-362.8	12.00	12.00	0.00
FTP(Con 28 ST Com #705H)									
12,450.0	50.19	179.58	12,383.3	349.2	25.3	-349.0	12.00	12.00	0.00
12,475.0	53.19	179.58	12,398.8	329.6	25.4	-329.4	12.00	12.00	0.00
12,500.0	56.19	179.58	12,413.2	309.2	25.6	-309.0	12.00	12.00	0.00
12,525.0	59.19	179.58	12,426.6	288.1	25.7	-287.8	12.00	12.00	0.00
12,550.0	62.19	179.58	12,438.8	266.3	25.9	-266.0	12.00	12.00	0.00
12,575.0	65.19	179.58	12,449.9	243.9	26.1	-243.6	12.00	12.00	0.00
12,600.0	68.19	179.58	12,459.8	220.9	26.2	-220.7	12.00	12.00	0.00
12,625.0	71.19	179.58	12,468.5	197.5	26.4	-197.2	12.00	12.00	0.00
12,650.0	74.19	179.58	12,475.9	173.6	26.6	-173.4	12.00	12.00	0.00
12,675.0	77.19	179.58	12,482.1	149.4	26.7	-149.1	12.00	12.00	0.00
12,700.0	80.19	179.58	12,487.0	124.9	26.9	-124.6	12.00	12.00	0.00
12,725.0	83.19	179.58	12,490.6	100.2	27.1	-99.9	12.00	12.00	0.00
12,750.0	86.19	179.58	12,492.9	75.3	27.3	-75.0	12.00	12.00	0.00
12,775.0	89.19	179.58	12,493.9	50.3	27.5	-50.0	12.00	12.00	0.00
12,781.8	90.00	179.58	12,494.0	43.5	27.5	-43.3	12.00	12.00	0.00
12,800.0	90.00	179.58	12,494.0	25.3	27.7	-25.0	0.00	0.00	0.00
12,900.0	90.00	179.58	12,494.0	-74.7	28.4	75.0	0.00	0.00	0.00
13,000.0	90.00	179.58	12,494.0	-174.7	29.1	175.0	0.00	0.00	0.00
13,100.0	90.00	179.58	12,494.0	-274.7	29.9	275.0	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #705H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3545.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3545.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#705H	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)
13,200.0	90.00	179.58	12,494.0	-374.7	30.6	375.0	0.00	0.00	0.00
13,300.0	90.00	179.58	12,494.0	-474.7	31.4	475.0	0.00	0.00	0.00
13,400.0	90.00	179.58	12,494.0	-574.7	32.1	575.0	0.00	0.00	0.00
13,500.0	90.00	179.58	12,494.0	-674.7	32.8	675.0	0.00	0.00	0.00
13,600.0	90.00	179.58	12,494.0	-774.7	33.6	775.0	0.00	0.00	0.00
13,700.0	90.00	179.58	12,494.0	-874.7	34.3	875.0	0.00	0.00	0.00
13,800.0	90.00	179.58	12,494.0	-974.7	35.1	975.0	0.00	0.00	0.00
13,900.0	90.00	179.58	12,494.0	-1,074.7	35.8	1,075.0	0.00	0.00	0.00
14,000.0	90.00	179.58	12,494.0	-1,174.7	36.5	1,175.0	0.00	0.00	0.00
14,100.0	90.00	179.58	12,494.0	-1,274.7	37.3	1,275.0	0.00	0.00	0.00
14,200.0	90.00	179.58	12,494.0	-1,374.7	38.0	1,375.0	0.00	0.00	0.00
14,300.0	90.00	179.58	12,494.0	-1,474.6	38.8	1,475.0	0.00	0.00	0.00
14,400.0	90.00	179.58	12,494.0	-1,574.6	39.5	1,575.0	0.00	0.00	0.00
14,500.0	90.00	179.58	12,494.0	-1,674.6	40.2	1,675.0	0.00	0.00	0.00
14,600.0	90.00	179.58	12,494.0	-1,774.6	41.0	1,775.0	0.00	0.00	0.00
14,700.0	90.00	179.58	12,494.0	-1,874.6	41.7	1,875.0	0.00	0.00	0.00
14,800.0	90.00	179.58	12,494.0	-1,974.6	42.5	1,975.0	0.00	0.00	0.00
14,900.0	90.00	179.58	12,494.0	-2,074.6	43.2	2,075.0	0.00	0.00	0.00
15,000.0	90.00	179.58	12,494.0	-2,174.6	43.9	2,175.0	0.00	0.00	0.00
15,100.0	90.00	179.58	12,494.0	-2,274.6	44.7	2,275.0	0.00	0.00	0.00
15,200.0	90.00	179.58	12,494.0	-2,374.6	45.4	2,375.0	0.00	0.00	0.00
15,300.0	90.00	179.58	12,494.0	-2,474.6	46.2	2,475.0	0.00	0.00	0.00
15,400.0	90.00	179.58	12,494.0	-2,574.6	46.9	2,575.0	0.00	0.00	0.00
15,500.0	90.00	179.58	12,494.0	-2,674.6	47.6	2,675.0	0.00	0.00	0.00
15,600.0	90.00	179.58	12,494.0	-2,774.6	48.4	2,775.0	0.00	0.00	0.00
15,700.0	90.00	179.58	12,494.0	-2,874.6	49.1	2,875.0	0.00	0.00	0.00
15,800.0	90.00	179.58	12,494.0	-2,974.6	49.9	2,975.0	0.00	0.00	0.00
15,900.0	90.00	179.58	12,494.0	-3,074.6	50.6	3,075.0	0.00	0.00	0.00
16,000.0	90.00	179.58	12,494.0	-3,174.6	51.3	3,175.0	0.00	0.00	0.00
16,100.0	90.00	179.58	12,494.0	-3,274.6	52.1	3,275.0	0.00	0.00	0.00
16,200.0	90.00	179.58	12,494.0	-3,374.6	52.8	3,375.0	0.00	0.00	0.00
16,300.0	90.00	179.58	12,494.0	-3,474.6	53.6	3,475.0	0.00	0.00	0.00
16,400.0	90.00	179.58	12,494.0	-3,574.6	54.3	3,575.0	0.00	0.00	0.00
16,500.0	90.00	179.58	12,494.0	-3,674.6	55.0	3,675.0	0.00	0.00	0.00
16,600.0	90.00	179.58	12,494.0	-3,774.6	55.8	3,775.0	0.00	0.00	0.00
16,700.0	90.00	179.58	12,494.0	-3,874.6	56.5	3,875.0	0.00	0.00	0.00
16,800.0	90.00	179.58	12,494.0	-3,974.6	57.3	3,975.0	0.00	0.00	0.00
16,900.0	90.00	179.58	12,494.0	-4,074.6	58.0	4,075.0	0.00	0.00	0.00
17,000.0	90.00	179.58	12,494.0	-4,174.6	58.7	4,175.0	0.00	0.00	0.00
17,100.0	90.00	179.58	12,494.0	-4,274.6	59.5	4,275.0	0.00	0.00	0.00
17,200.0	90.00	179.58	12,494.0	-4,374.6	60.2	4,375.0	0.00	0.00	0.00
17,300.0	90.00	179.58	12,494.0	-4,474.6	61.0	4,475.0	0.00	0.00	0.00
17,400.0	90.00	179.58	12,494.0	-4,574.6	61.7	4,575.0	0.00	0.00	0.00
17,500.0	90.00	179.58	12,494.0	-4,674.6	62.4	4,675.0	0.00	0.00	0.00
17,600.0	90.00	179.58	12,494.0	-4,774.6	63.2	4,775.0	0.00	0.00	0.00
17,700.0	90.00	179.58	12,494.0	-4,874.6	63.9	4,875.0	0.00	0.00	0.00
17,800.0	90.00	179.58	12,494.0	-4,974.6	64.7	4,975.0	0.00	0.00	0.00
17,900.0	90.00	179.58	12,494.0	-5,074.6	65.4	5,075.0	0.00	0.00	0.00
18,000.0	90.00	179.58	12,494.0	-5,174.5	66.1	5,175.0	0.00	0.00	0.00
18,100.0	90.00	179.58	12,494.0	-5,274.5	66.9	5,275.0	0.00	0.00	0.00
18,200.0	90.00	179.58	12,494.0	-5,374.5	67.6	5,375.0	0.00	0.00	0.00
18,300.0	90.00	179.58	12,494.0	-5,474.5	68.4	5,475.0	0.00	0.00	0.00
18,400.0	90.00	179.58	12,494.0	-5,574.5	69.1	5,575.0	0.00	0.00	0.00
18,500.0	90.00	179.58	12,494.0	-5,674.5	69.8	5,675.0	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #705H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3545.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3545.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#705H	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)
18,600.0	90.00	179.58	12,494.0	-5,774.5	70.6	5,775.0	0.00	0.00	0.00
18,700.0	90.00	179.58	12,494.0	-5,874.5	71.3	5,875.0	0.00	0.00	0.00
18,800.0	90.00	179.58	12,494.0	-5,974.5	72.1	5,975.0	0.00	0.00	0.00
18,900.0	90.00	179.58	12,494.0	-6,074.5	72.8	6,074.9	0.00	0.00	0.00
19,000.0	90.00	179.58	12,494.0	-6,174.5	73.5	6,174.9	0.00	0.00	0.00
19,100.0	90.00	179.58	12,494.0	-6,274.5	74.3	6,274.9	0.00	0.00	0.00
19,200.0	90.00	179.58	12,494.0	-6,374.5	75.0	6,374.9	0.00	0.00	0.00
19,300.0	90.00	179.58	12,494.0	-6,474.5	75.8	6,474.9	0.00	0.00	0.00
19,400.0	90.00	179.58	12,494.0	-6,574.5	76.5	6,574.9	0.00	0.00	0.00
19,500.0	90.00	179.58	12,494.0	-6,674.5	77.2	6,674.9	0.00	0.00	0.00
19,600.0	90.00	179.58	12,494.0	-6,774.5	78.0	6,774.9	0.00	0.00	0.00
19,700.0	90.00	179.58	12,494.0	-6,874.5	78.7	6,874.9	0.00	0.00	0.00
19,800.0	90.00	179.58	12,494.0	-6,974.5	79.5	6,974.9	0.00	0.00	0.00
19,900.0	90.00	179.58	12,494.0	-7,074.5	80.2	7,074.9	0.00	0.00	0.00
20,000.0	90.00	179.58	12,494.0	-7,174.5	80.9	7,174.9	0.00	0.00	0.00
20,100.0	90.00	179.58	12,494.0	-7,274.5	81.7	7,274.9	0.00	0.00	0.00
20,200.0	90.00	179.58	12,494.0	-7,374.5	82.4	7,374.9	0.00	0.00	0.00
20,300.0	90.00	179.58	12,494.0	-7,474.5	83.2	7,474.9	0.00	0.00	0.00
20,400.0	90.00	179.58	12,494.0	-7,574.5	83.9	7,574.9	0.00	0.00	0.00
20,500.0	90.00	179.58	12,494.0	-7,674.5	84.6	7,674.9	0.00	0.00	0.00
20,600.0	90.00	179.58	12,494.0	-7,774.5	85.4	7,774.9	0.00	0.00	0.00
20,700.0	90.00	179.58	12,494.0	-7,874.5	86.1	7,874.9	0.00	0.00	0.00
20,800.0	90.00	179.58	12,494.0	-7,974.5	86.9	7,974.9	0.00	0.00	0.00
20,900.0	90.00	179.58	12,494.0	-8,074.5	87.6	8,074.9	0.00	0.00	0.00
21,000.0	90.00	179.58	12,494.0	-8,174.5	88.3	8,174.9	0.00	0.00	0.00
21,100.0	90.00	179.58	12,494.0	-8,274.5	89.1	8,274.9	0.00	0.00	0.00
21,200.0	90.00	179.58	12,494.0	-8,374.5	89.8	8,374.9	0.00	0.00	0.00
21,300.0	90.00	179.58	12,494.0	-8,474.5	90.6	8,474.9	0.00	0.00	0.00
21,400.0	90.00	179.58	12,494.0	-8,574.5	91.3	8,574.9	0.00	0.00	0.00
21,500.0	90.00	179.58	12,494.0	-8,674.5	92.0	8,674.9	0.00	0.00	0.00
21,600.0	90.00	179.58	12,494.0	-8,774.4	92.8	8,774.9	0.00	0.00	0.00
21,700.0	90.00	179.58	12,494.0	-8,874.4	93.5	8,874.9	0.00	0.00	0.00
21,800.0	90.00	179.58	12,494.0	-8,974.4	94.3	8,974.9	0.00	0.00	0.00
21,900.0	90.00	179.58	12,494.0	-9,074.4	95.0	9,074.9	0.00	0.00	0.00
22,000.0	90.00	179.58	12,494.0	-9,174.4	95.7	9,174.9	0.00	0.00	0.00
22,100.0	90.00	179.58	12,494.0	-9,274.4	96.5	9,274.9	0.00	0.00	0.00
22,200.0	90.00	179.58	12,494.0	-9,374.4	97.2	9,374.9	0.00	0.00	0.00
22,300.0	90.00	179.58	12,494.0	-9,474.4	98.0	9,474.9	0.00	0.00	0.00
22,400.0	90.00	179.58	12,494.0	-9,574.4	98.7	9,574.9	0.00	0.00	0.00
22,500.0	90.00	179.58	12,494.0	-9,674.4	99.4	9,674.9	0.00	0.00	0.00
22,600.0	90.00	179.58	12,494.0	-9,774.4	100.2	9,774.9	0.00	0.00	0.00
22,709.6	90.00	179.58	12,494.0	-9,884.0	101.0	9,884.5	0.00	0.00	0.00
PBHL (Con 28 ST Com #705H)									



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #705H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3545.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3545.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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(Con 28 ST Com #	0.00	0.00	12,016.5	521.0	24.0	435,768.00	775,564.00	32° 11' 44.651 N	103° 34' 34.073 W
- plan hits target center									
- Polygon									
Point 1			12,016.5	25.0	-25.0	435,793.00	775,539.00		
Point 2			12,016.5	25.0	135.0	435,793.00	775,699.00		
Point 3			12,016.5	-75.0	135.0	435,693.00	775,699.00		
Point 4			12,016.5	-75.0	-25.0	435,693.00	775,539.00		
FTP(Con 28 ST Com #	0.00	0.00	12,494.0	471.0	24.0	435,718.00	775,564.00	32° 11' 44.157 N	103° 34' 34.077 W
- plan misses target center by 163.4usft at 12431.6usft MD (12371.2 TVD, 363.1 N, 25.2 E)									
- Point									
PBHL(Con 28 ST Com :	90.00	179.58	12,494.0	-9,884.0	101.0	425,363.00	775,641.00	32° 10' 1.686 N	103° 34' 34.029 W
- plan hits target center									
- Rectangle (sides W60.0 H0.0 D9,995.0)									