



Lea County, NM (NAD 83 NME)

Gem 36 State Com #705H

Plan #0.1

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

Ground Level: 3401.00
KB = 25' @ 3426.00usft
Northing 398409.00 Easting 758964.00 Latitude 32.09335648 Longitude -103.63059008



Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.61°
Magnetic Field
Strength: 47668.7anT
Dip Angle: 59.93°
Date: 4/27/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.61°
To convert a Magnetic Direction to a True Direction, Add 6.98° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

SECTION DETAILS

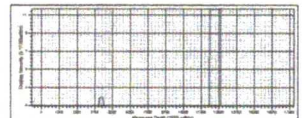
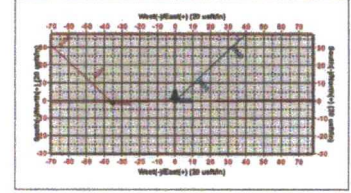
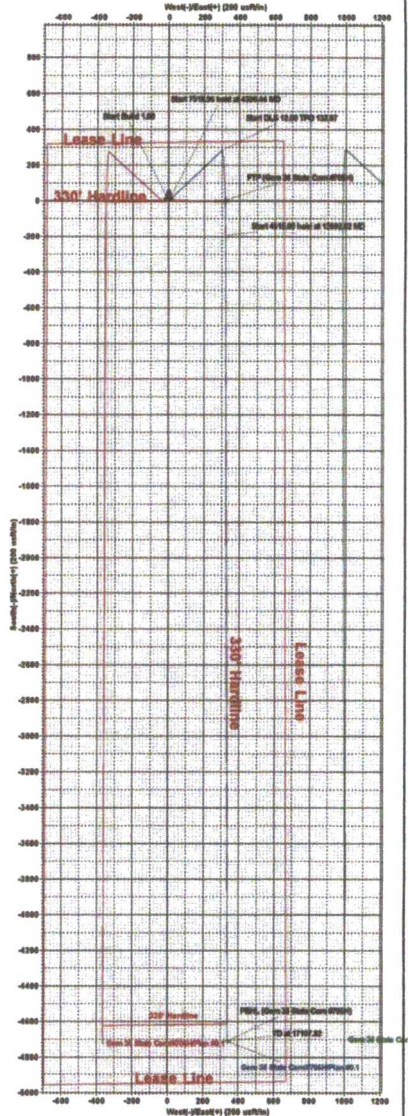
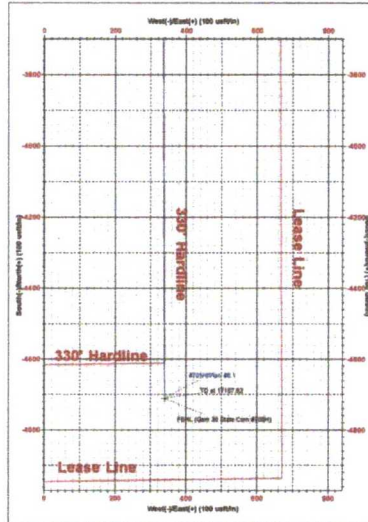
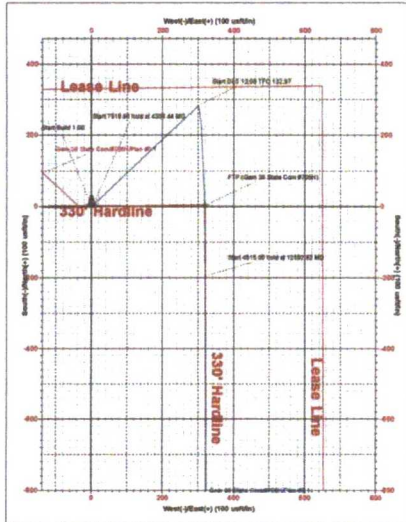
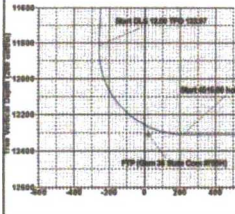
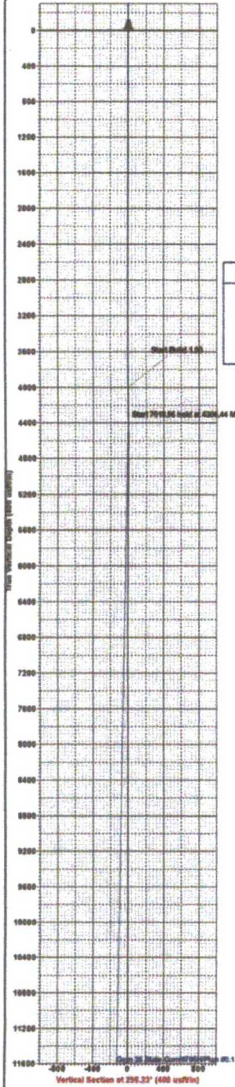
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dlog	TFace	VSecl	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00		
3	4306.44	3.06	46.76	4306.29	6.61	0.97	1.80	46.76	-4.17		
4	11826.40	3.08	46.76	11814.00	281.02	298.73	0.00	0.00	-298.86		
5	12892.82	90.00	179.76	12309.00	-196.04	320.09	12.00	132.97	218.51		
6	17107.82	90.00	179.76	12309.00	-4711.00	320.00	0.00	0.00	4725.19	PBHL (Gem 36 State Com #705H)	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Gem 36 State Com #705H)	12309.00	-4711.00	320.00	398409.00	758964.00
FTP (Gem 36 State Com #705H)	12309.00	4.00	320.00	398413.00	758964.00



Lea County, NM (NAD 83 NME)
Gem 36 State Com #705H
Plan #0.1



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Gem 36 State Com

#705H

OH

Plan: Plan #0.1

Standard Planning Report

28 April, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3426.00usft
MD Reference: KB = 25' @ 3426.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	Gem 36 State Com			
Site Position:		Northing:	393,698.00 usft	Latitude: 32.08038582
From: Map		Easting:	760,159.00 usft	Longitude: -103.62682111
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.38 °

Well	#705H			
Well Position	+N/-S	4,711.00 usft	Northing:	398,409.00 usft
	+E/-W	-1,195.00 usft	Easting:	758,964.00 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft
			Ground Level:	3,401.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/27/2017	6.99	59.93	47,869

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	175.88

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,306.44	3.06	46.75	4,306.29	5.61	5.97	1.00	1.00	0.00	46.75	
11,825.40	3.06	46.75	11,814.50	281.02	298.73	0.00	0.00	0.00	0.00	
12,592.82	90.00	179.76	12,309.00	-196.04	320.09	12.00	11.33	17.33	132.97	
17,107.82	90.00	179.76	12,309.00	-4,711.00	339.00	0.00	0.00	0.00	0.00	PBHL (Gem 36 State)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Gem 36 State Com
 Well: #705H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
 TVD Reference: KB = 25' @ 3426.00usft
 MD Reference: KB = 25' @ 3426.00usft
 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	46.75	4,100.00	0.60	0.64	-0.55	1.00	1.00	0.00
4,200.00	2.00	46.75	4,199.96	2.39	2.54	-2.20	1.00	1.00	0.00
4,306.44	3.06	46.75	4,306.29	5.61	5.97	-5.17	1.00	1.00	0.00
4,400.00	3.06	46.75	4,399.72	9.04	9.61	-8.33	0.00	0.00	0.00
4,500.00	3.06	46.75	4,499.58	12.70	13.50	-11.70	0.00	0.00	0.00
4,600.00	3.06	46.75	4,599.43	16.37	17.40	-15.08	0.00	0.00	0.00
4,700.00	3.06	46.75	4,699.29	20.03	21.29	-18.45	0.00	0.00	0.00
4,800.00	3.06	46.75	4,799.15	23.69	25.19	-21.82	0.00	0.00	0.00
4,900.00	3.06	46.75	4,899.01	27.35	29.08	-25.20	0.00	0.00	0.00
5,000.00	3.06	46.75	4,998.86	31.02	32.97	-28.57	0.00	0.00	0.00
5,100.00	3.06	46.75	5,098.72	34.68	36.87	-31.95	0.00	0.00	0.00
5,200.00	3.06	46.75	5,198.58	38.34	40.76	-35.32	0.00	0.00	0.00
5,300.00	3.06	46.75	5,298.43	42.01	44.65	-38.69	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3426.00usft
MD Reference: KB = 25' @ 3426.00usft
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)
5,400.00	3.06	46.75	5,398.29	45.67	48.55	-42.07	0.00	0.00	0.00
5,500.00	3.06	46.75	5,498.15	49.33	52.44	-45.44	0.00	0.00	0.00
5,600.00	3.06	46.75	5,598.00	52.99	56.33	-48.81	0.00	0.00	0.00
5,700.00	3.06	46.75	5,697.86	56.66	60.23	-52.19	0.00	0.00	0.00
5,800.00	3.06	46.75	5,797.72	60.32	64.12	-55.56	0.00	0.00	0.00
5,900.00	3.06	46.75	5,897.58	63.98	68.02	-58.94	0.00	0.00	0.00
6,000.00	3.06	46.75	5,997.43	67.65	71.91	-62.31	0.00	0.00	0.00
6,100.00	3.06	46.75	6,097.29	71.31	75.80	-65.68	0.00	0.00	0.00
6,200.00	3.06	46.75	6,197.15	74.97	79.70	-69.06	0.00	0.00	0.00
6,300.00	3.06	46.75	6,297.00	78.63	83.59	-72.43	0.00	0.00	0.00
6,400.00	3.06	46.75	6,396.86	82.30	87.48	-75.81	0.00	0.00	0.00
6,500.00	3.06	46.75	6,496.72	85.96	91.38	-79.18	0.00	0.00	0.00
6,600.00	3.06	46.75	6,596.57	89.62	95.27	-82.55	0.00	0.00	0.00
6,700.00	3.06	46.75	6,696.43	93.29	99.16	-85.93	0.00	0.00	0.00
6,800.00	3.06	46.75	6,796.29	96.95	103.06	-89.30	0.00	0.00	0.00
6,900.00	3.06	46.75	6,896.15	100.61	106.95	-92.68	0.00	0.00	0.00
7,000.00	3.06	46.75	6,996.00	104.27	110.85	-96.05	0.00	0.00	0.00
7,100.00	3.06	46.75	7,095.86	107.94	114.74	-99.42	0.00	0.00	0.00
7,200.00	3.06	46.75	7,195.72	111.60	118.63	-102.80	0.00	0.00	0.00
7,300.00	3.06	46.75	7,295.57	115.26	122.53	-106.17	0.00	0.00	0.00
7,400.00	3.06	46.75	7,395.43	118.93	126.42	-109.55	0.00	0.00	0.00
7,500.00	3.06	46.75	7,495.29	122.59	130.31	-112.92	0.00	0.00	0.00
7,600.00	3.06	46.75	7,595.14	126.25	134.21	-116.29	0.00	0.00	0.00
7,700.00	3.06	46.75	7,695.00	129.91	138.10	-119.67	0.00	0.00	0.00
7,800.00	3.06	46.75	7,794.86	133.58	142.00	-123.04	0.00	0.00	0.00
7,900.00	3.06	46.75	7,894.72	137.24	145.89	-126.42	0.00	0.00	0.00
8,000.00	3.06	46.75	7,994.57	140.90	149.78	-129.79	0.00	0.00	0.00
8,100.00	3.06	46.75	8,094.43	144.57	153.68	-133.16	0.00	0.00	0.00
8,200.00	3.06	46.75	8,194.29	148.23	157.57	-136.54	0.00	0.00	0.00
8,300.00	3.06	46.75	8,294.14	151.89	161.46	-139.91	0.00	0.00	0.00
8,400.00	3.06	46.75	8,394.00	155.55	165.36	-143.29	0.00	0.00	0.00
8,500.00	3.06	46.75	8,493.86	159.22	169.25	-146.66	0.00	0.00	0.00
8,600.00	3.06	46.75	8,593.71	162.88	173.14	-150.03	0.00	0.00	0.00
8,700.00	3.06	46.75	8,693.57	166.54	177.04	-153.41	0.00	0.00	0.00
8,800.00	3.06	46.75	8,793.43	170.21	180.93	-156.78	0.00	0.00	0.00
8,900.00	3.06	46.75	8,893.29	173.87	184.83	-160.16	0.00	0.00	0.00
9,000.00	3.06	46.75	8,993.14	177.53	188.72	-163.53	0.00	0.00	0.00
9,100.00	3.06	46.75	9,093.00	181.19	192.61	-166.90	0.00	0.00	0.00
9,200.00	3.06	46.75	9,192.86	184.86	196.51	-170.28	0.00	0.00	0.00
9,300.00	3.06	46.75	9,292.71	188.52	200.40	-173.65	0.00	0.00	0.00
9,400.00	3.06	46.75	9,392.57	192.18	204.29	-177.02	0.00	0.00	0.00
9,500.00	3.06	46.75	9,492.43	195.85	208.19	-180.40	0.00	0.00	0.00
9,600.00	3.06	46.75	9,592.28	199.51	212.08	-183.77	0.00	0.00	0.00
9,700.00	3.06	46.75	9,692.14	203.17	215.98	-187.15	0.00	0.00	0.00
9,800.00	3.06	46.75	9,792.00	206.83	219.87	-190.52	0.00	0.00	0.00
9,900.00	3.06	46.75	9,891.86	210.50	223.76	-193.89	0.00	0.00	0.00
10,000.00	3.06	46.75	9,991.71	214.16	227.66	-197.27	0.00	0.00	0.00
10,100.00	3.06	46.75	10,091.57	217.82	231.55	-200.64	0.00	0.00	0.00
10,200.00	3.06	46.75	10,191.43	221.49	235.44	-204.02	0.00	0.00	0.00
10,300.00	3.06	46.75	10,291.28	225.15	239.34	-207.39	0.00	0.00	0.00
10,400.00	3.06	46.75	10,391.14	228.81	243.23	-210.76	0.00	0.00	0.00
10,500.00	3.06	46.75	10,491.00	232.47	247.12	-214.14	0.00	0.00	0.00
10,600.00	3.06	46.75	10,590.86	236.14	251.02	-217.51	0.00	0.00	0.00
10,700.00	3.06	46.75	10,690.71	239.80	254.91	-220.89	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3426.00usft
MD Reference: KB = 25' @ 3426.00usft
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)
10,800.00	3.06	46.75	10,790.57	243.46	258.81	-224.26	0.00	0.00	0.00
10,900.00	3.06	46.75	10,890.43	247.13	262.70	-227.63	0.00	0.00	0.00
11,000.00	3.06	46.75	10,990.28	250.79	266.59	-231.01	0.00	0.00	0.00
11,100.00	3.06	46.75	11,090.14	254.45	270.49	-234.38	0.00	0.00	0.00
11,200.00	3.06	46.75	11,190.00	258.11	274.38	-237.76	0.00	0.00	0.00
11,300.00	3.06	46.75	11,289.85	261.78	278.27	-241.13	0.00	0.00	0.00
11,400.00	3.06	46.75	11,389.71	265.44	282.17	-244.50	0.00	0.00	0.00
11,500.00	3.06	46.75	11,489.57	269.10	286.06	-247.88	0.00	0.00	0.00
11,600.00	3.06	46.75	11,589.43	272.77	289.96	-251.25	0.00	0.00	0.00
11,700.00	3.06	46.75	11,689.28	276.43	293.85	-254.63	0.00	0.00	0.00
11,800.00	3.06	46.75	11,789.14	280.09	297.74	-258.00	0.00	0.00	0.00
11,825.40	3.06	46.75	11,814.50	281.02	298.73	-258.86	0.00	0.00	0.00
11,850.00	2.40	110.80	11,839.08	281.29	299.69	-259.05	12.00	-2.69	260.39
11,875.00	4.46	149.67	11,864.04	280.26	300.67	-257.96	12.00	8.25	155.47
11,900.00	7.22	161.75	11,888.91	277.93	301.66	-255.56	12.00	11.01	48.33
11,925.00	10.11	167.08	11,913.62	274.30	302.64	-251.87	12.00	11.58	21.30
11,950.00	13.05	170.04	11,938.11	269.38	303.62	-246.89	12.00	11.77	11.84
11,975.00	16.02	171.92	11,962.30	263.18	304.59	-240.64	12.00	11.85	7.53
12,000.00	18.99	173.23	11,986.14	255.73	305.56	-233.14	12.00	11.90	5.23
12,025.00	21.97	174.19	12,009.56	247.03	306.51	-224.40	12.00	11.92	3.85
12,050.00	24.96	174.93	12,032.49	237.13	307.45	-214.45	12.00	11.94	2.97
12,075.00	27.95	175.53	12,054.87	226.03	308.37	-203.31	12.00	11.95	2.37
12,100.00	30.94	176.01	12,076.64	213.78	309.28	-191.03	12.00	11.96	1.95
12,125.00	33.93	176.42	12,097.74	200.40	310.16	-177.62	12.00	11.97	1.64
12,150.00	36.92	176.77	12,118.11	185.94	311.01	-163.13	12.00	11.97	1.40
12,175.00	39.91	177.08	12,137.69	170.43	311.85	-147.60	12.00	11.98	1.22
12,200.00	42.91	177.35	12,156.44	153.91	312.65	-131.07	12.00	11.98	1.07
12,225.00	45.90	177.59	12,174.30	136.44	313.42	-113.59	12.00	11.98	0.96
12,250.00	48.90	177.80	12,191.22	118.05	314.16	-95.20	12.00	11.98	0.87
12,275.00	51.90	178.00	12,207.15	98.80	314.87	-75.95	12.00	11.98	0.79
12,300.00	54.89	178.18	12,222.06	78.75	315.53	-55.90	12.00	11.99	0.73
12,325.00	57.89	178.35	12,235.89	57.94	316.16	-35.10	12.00	11.99	0.68
12,350.00	60.89	178.51	12,248.62	36.43	316.75	-13.60	12.00	11.99	0.63
12,375.00	63.88	178.66	12,260.21	14.29	317.30	8.52	12.00	11.99	0.60
12,400.00	66.88	178.80	12,270.62	-8.43	317.80	31.22	12.00	11.99	0.57
12,425.00	69.88	178.94	12,279.83	-31.66	318.26	54.43	12.00	11.99	0.54
12,450.00	72.88	179.07	12,287.82	-55.35	318.67	78.08	12.00	11.99	0.52
12,475.00	75.87	179.20	12,294.55	-79.42	319.03	102.11	12.00	11.99	0.51
12,500.00	78.87	179.32	12,300.01	-103.81	319.35	126.46	12.00	11.99	0.49
12,525.00	81.87	179.44	12,304.20	-128.45	319.62	151.06	12.00	11.99	0.48
12,550.00	84.87	179.56	12,307.08	-153.28	319.83	175.84	12.00	11.99	0.48
12,575.00	87.86	179.68	12,308.67	-178.23	320.00	200.74	12.00	11.99	0.47
12,592.82	90.00	179.76	12,309.00	-196.04	320.09	218.51	12.00	11.99	0.47
12,600.00	90.00	179.76	12,309.00	-203.22	320.12	225.68	0.00	0.00	0.00
12,700.00	90.00	179.76	12,309.00	-303.22	320.54	325.45	0.00	0.00	0.00
12,800.00	90.00	179.76	12,309.00	-403.22	320.96	425.22	0.00	0.00	0.00
12,900.00	90.00	179.76	12,309.00	-503.22	321.37	524.99	0.00	0.00	0.00
13,000.00	90.00	179.76	12,309.00	-603.22	321.79	624.76	0.00	0.00	0.00
13,100.00	90.00	179.76	12,309.00	-703.22	322.21	724.53	0.00	0.00	0.00
13,200.00	90.00	179.76	12,309.00	-803.22	322.63	824.30	0.00	0.00	0.00
13,300.00	90.00	179.76	12,309.00	-903.22	323.05	924.08	0.00	0.00	0.00
13,400.00	90.00	179.76	12,309.00	-1,003.22	323.47	1,023.85	0.00	0.00	0.00
13,500.00	90.00	179.76	12,309.00	-1,103.22	323.89	1,123.62	0.00	0.00	0.00
13,600.00	90.00	179.76	12,309.00	-1,203.22	324.31	1,223.39	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Gem 36 State Cor
 Well: #705H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
 TVD Reference: KB = 25' @ 3426.00usft
 MD Reference: KB = 25' @ 3426.00usft
 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)
13,700.00	90.00	179.76	12,309.00	-1,303.21	324.73	1,323.16	0.00	0.00	0.00
13,800.00	90.00	179.76	12,309.00	-1,403.21	325.14	1,422.93	0.00	0.00	0.00
13,900.00	90.00	179.76	12,309.00	-1,503.21	325.56	1,522.70	0.00	0.00	0.00
14,000.00	90.00	179.76	12,309.00	-1,603.21	325.98	1,622.47	0.00	0.00	0.00
14,100.00	90.00	179.76	12,309.00	-1,703.21	326.40	1,722.25	0.00	0.00	0.00
14,200.00	90.00	179.76	12,309.00	-1,803.21	326.82	1,822.02	0.00	0.00	0.00
14,300.00	90.00	179.76	12,309.00	-1,903.21	327.24	1,921.79	0.00	0.00	0.00
14,400.00	90.00	179.76	12,309.00	-2,003.21	327.66	2,021.56	0.00	0.00	0.00
14,500.00	90.00	179.76	12,309.00	-2,103.21	328.08	2,121.33	0.00	0.00	0.00
14,600.00	90.00	179.76	12,309.00	-2,203.21	328.50	2,221.10	0.00	0.00	0.00
14,700.00	90.00	179.76	12,309.00	-2,303.21	328.91	2,320.87	0.00	0.00	0.00
14,800.00	90.00	179.76	12,309.00	-2,403.21	329.33	2,420.64	0.00	0.00	0.00
14,900.00	90.00	179.76	12,309.00	-2,503.20	329.75	2,520.42	0.00	0.00	0.00
15,000.00	90.00	179.76	12,309.00	-2,603.20	330.17	2,620.19	0.00	0.00	0.00
15,100.00	90.00	179.76	12,309.00	-2,703.20	330.59	2,719.96	0.00	0.00	0.00
15,200.00	90.00	179.76	12,309.00	-2,803.20	331.01	2,819.73	0.00	0.00	0.00
15,300.00	90.00	179.76	12,309.00	-2,903.20	331.43	2,919.50	0.00	0.00	0.00
15,400.00	90.00	179.76	12,309.00	-3,003.20	331.85	3,019.27	0.00	0.00	0.00
15,500.00	90.00	179.76	12,309.00	-3,103.20	332.27	3,119.04	0.00	0.00	0.00
15,600.00	90.00	179.76	12,309.00	-3,203.20	332.68	3,218.81	0.00	0.00	0.00
15,700.00	90.00	179.76	12,309.00	-3,303.20	333.10	3,318.59	0.00	0.00	0.00
15,800.00	90.00	179.76	12,309.00	-3,403.20	333.52	3,418.36	0.00	0.00	0.00
15,900.00	90.00	179.76	12,309.00	-3,503.20	333.94	3,518.13	0.00	0.00	0.00
16,000.00	90.00	179.76	12,309.00	-3,603.19	334.36	3,617.90	0.00	0.00	0.00
16,100.00	90.00	179.76	12,309.00	-3,703.19	334.78	3,717.67	0.00	0.00	0.00
16,200.00	90.00	179.76	12,309.00	-3,803.19	335.20	3,817.44	0.00	0.00	0.00
16,300.00	90.00	179.76	12,309.00	-3,903.19	335.62	3,917.21	0.00	0.00	0.00
16,400.00	90.00	179.76	12,309.00	-4,003.19	336.04	4,016.99	0.00	0.00	0.00
16,500.00	90.00	179.76	12,309.00	-4,103.19	336.45	4,116.76	0.00	0.00	0.00
16,600.00	90.00	179.76	12,309.00	-4,203.19	336.87	4,216.53	0.00	0.00	0.00
16,700.00	90.00	179.76	12,309.00	-4,303.19	337.29	4,316.30	0.00	0.00	0.00
16,800.00	90.00	179.76	12,309.00	-4,403.19	337.71	4,416.07	0.00	0.00	0.00
16,900.00	90.00	179.76	12,309.00	-4,503.19	338.13	4,515.84	0.00	0.00	0.00
17,000.00	90.00	179.76	12,309.00	-4,603.19	338.55	4,615.61	0.00	0.00	0.00
17,107.82	90.00	179.76	12,309.00	-4,711.00	339.00	4,723.18	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Gem 36 State Cc	0.00	0.00	12,309.00	-4,711.00	339.00	393,698.00	759,303.00	32.08040100	-103.62958471
- plan hits target center									
- Point									
FTP (Gem 36 State Corr	0.00	0.00	12,309.00	4.00	320.00	398,413.00	759,284.00	32.09336173	-103.62954672
- plan misses target center by 40.25usft at 12402.63usft MD (12271.65 TVD, -10.85 N, 317.85 E)									
- Point									