



Lea County, NM (NAD 83 NME)

Dogwood 23 Fed 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: 3365.00
KB = 25' @ 3330.00sf
Northing: 372720.00 Easting: 786021.00 Latitude: 32.02222987 Longitude: -103.54382181

Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.54°

Magnetic Field
Strength: 47855.6nT
Dip Angle: 59.89°
Date: 2/17/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.54°
To convert a Magnetic Direction to a True Direction, Add 6.86° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

SECTION DETAILS

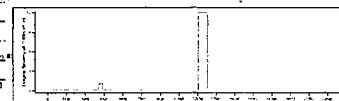
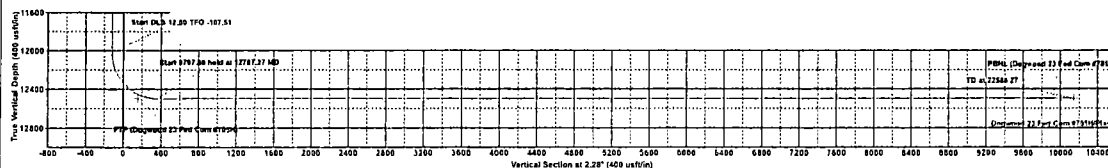
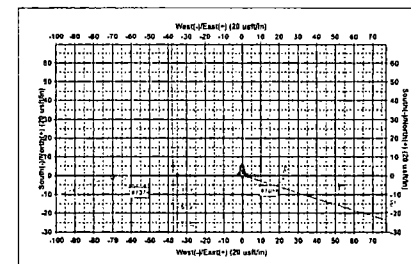
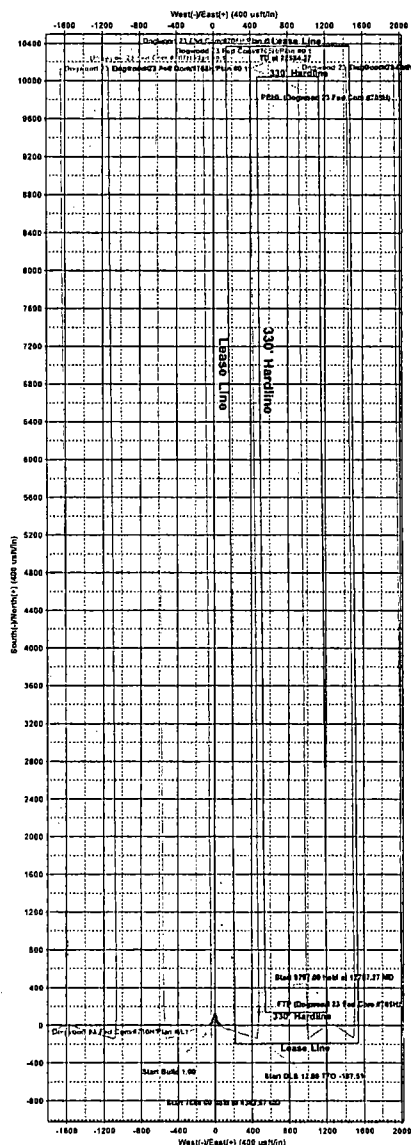
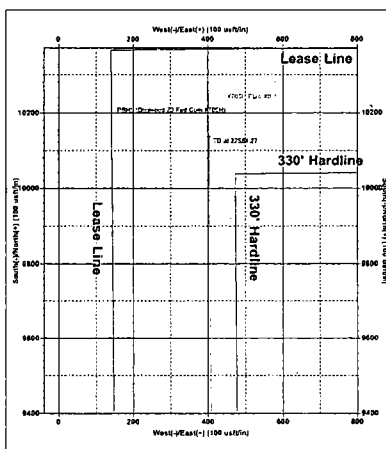
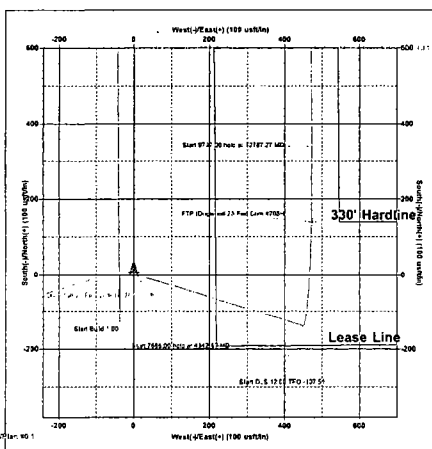
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4342.67	3.43	107.13	4342.46	-3.02	9.79	1.00	107.13	-2.63	
4	12028.67	3.43	107.13	12014.73	-138.32	448.82	0.00	0.00	-120.38	
5	12787.27	90.00	359.59	12500.00	339.25	473.11	12.00	-107.51	357.78	
6	22584.27	90.00	359.59	12500.00	10136.00	403.00	0.00	0.00	10144.01	PBHL (Dogwood 23 Fed Com #705H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
FTP (Dogwood 23 Fed Com #705H)	12500.00	139.00	478.00	372858.00	786497.00
PBHL (Dogwood 23 Fed Com #705H)	12500.00	10136.00	403.00	382858.00	786426.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com

#705H

OH

Plan: Plan #0.1

Standard Planning Report

27 February, 2017

HOBBS OCD

OCT 03 2017

RECEIVED



Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3330.00usft
MD Reference: KB = 25' @ 3330.00usft
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		Dogwood 23 Fed Com			
Site Position:		Northing:	372,741.00 usft	Latitude:	32.02224139
From:	Map	Easting:	788,311.00 usft	Longitude:	-103.53643286
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#705H					
Well Position	+N/-S	-21.00 usft	Northing:	372,720.00 usft	Latitude:	32.02222988
	+E/-W	-2,290.00 usft	Easting:	786,021.00 usft	Longitude:	-103.54382181
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,305.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/17/2017	6.96	59.89	47,856

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	2.28

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	
4,342.67	3.43	107.13	4,342.46	-3.02	9.79	1.00	1.00	0.00	107.13	
12,028.67	3.43	107.13	12,014.73	-138.32	448.82	0.00	0.00	0.00	0.00	
12,787.27	90.00	359.59	12,500.00	339.25	473.11	12.00	11.41	-14.18	-107.51	
22,584.27	90.00	359.59	12,500.00	10,136.00	403.00	0.00	0.00	0.00	0.00	PBHL (Dogwood 23 F



EOG Resources, Inc.

Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3330.00usft
MD Reference: KB = 25' @ 3330.00usft
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	107.13	4,100.00	-0.26	0.83	-0.22	1.00	1.00	0.00
4,200.00	2.00	107.13	4,199.96	-1.03	3.34	-0.89	1.00	1.00	0.00
4,300.00	3.00	107.13	4,299.86	-2.31	7.50	-2.01	1.00	1.00	0.00
4,342.67	3.43	107.13	4,342.46	-3.02	9.79	-2.63	1.00	1.00	0.00
4,400.00	3.43	107.13	4,399.69	-4.03	13.06	-3.50	0.00	0.00	0.00
4,500.00	3.43	107.13	4,499.51	-5.79	18.78	-5.04	0.00	0.00	0.00
4,600.00	3.43	107.13	4,599.34	-7.55	24.49	-6.57	0.00	0.00	0.00
4,700.00	3.43	107.13	4,699.16	-9.31	30.20	-8.10	0.00	0.00	0.00
4,800.00	3.43	107.13	4,798.98	-11.07	35.91	-9.63	0.00	0.00	0.00
4,900.00	3.43	107.13	4,898.80	-12.83	41.62	-11.16	0.00	0.00	0.00
5,000.00	3.43	107.13	4,998.62	-14.59	47.34	-12.70	0.00	0.00	0.00
5,100.00	3.43	107.13	5,098.44	-16.35	53.05	-14.23	0.00	0.00	0.00
5,200.00	3.43	107.13	5,198.26	-18.11	58.76	-15.76	0.00	0.00	0.00



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Site: Dogwood 23 Fed Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

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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)
5,300.00	3.43	107.13	5,298.08	-19.87	64.47	-17.29	0.00	0.00	0.00
5,400.00	3.43	107.13	5,397.91	-21.63	70.18	-18.83	0.00	0.00	0.00
5,500.00	3.43	107.13	5,497.73	-23.39	75.90	-20.36	0.00	0.00	0.00
5,600.00	3.43	107.13	5,597.55	-25.15	81.61	-21.89	0.00	0.00	0.00
5,700.00	3.43	107.13	5,697.37	-26.91	87.32	-23.42	0.00	0.00	0.00
5,800.00	3.43	107.13	5,797.19	-28.67	93.03	-24.95	0.00	0.00	0.00
5,900.00	3.43	107.13	5,897.01	-30.43	98.74	-26.49	0.00	0.00	0.00
6,000.00	3.43	107.13	5,996.83	-32.19	104.46	-28.02	0.00	0.00	0.00
6,100.00	3.43	107.13	6,096.65	-33.95	110.17	-29.55	0.00	0.00	0.00
6,200.00	3.43	107.13	6,196.48	-35.71	115.88	-31.08	0.00	0.00	0.00
6,300.00	3.43	107.13	6,296.30	-37.47	121.59	-32.61	0.00	0.00	0.00
6,400.00	3.43	107.13	6,396.12	-39.23	127.30	-34.15	0.00	0.00	0.00
6,500.00	3.43	107.13	6,495.94	-41.00	133.02	-35.68	0.00	0.00	0.00
6,600.00	3.43	107.13	6,595.76	-42.76	138.73	-37.21	0.00	0.00	0.00
6,700.00	3.43	107.13	6,695.58	-44.52	144.44	-38.74	0.00	0.00	0.00
6,800.00	3.43	107.13	6,795.40	-46.28	150.15	-40.27	0.00	0.00	0.00
6,900.00	3.43	107.13	6,895.22	-48.04	155.86	-41.81	0.00	0.00	0.00
7,000.00	3.43	107.13	6,995.04	-49.80	161.58	-43.34	0.00	0.00	0.00
7,100.00	3.43	107.13	7,094.87	-51.56	167.29	-44.87	0.00	0.00	0.00
7,200.00	3.43	107.13	7,194.69	-53.32	173.00	-46.40	0.00	0.00	0.00
7,300.00	3.43	107.13	7,294.51	-55.08	178.71	-47.94	0.00	0.00	0.00
7,400.00	3.43	107.13	7,394.33	-56.84	184.42	-49.47	0.00	0.00	0.00
7,500.00	3.43	107.13	7,494.15	-58.60	190.14	-51.00	0.00	0.00	0.00
7,600.00	3.43	107.13	7,593.97	-60.36	195.85	-52.53	0.00	0.00	0.00
7,700.00	3.43	107.13	7,693.79	-62.12	201.56	-54.06	0.00	0.00	0.00
7,800.00	3.43	107.13	7,793.61	-63.88	207.27	-55.60	0.00	0.00	0.00
7,900.00	3.43	107.13	7,893.44	-65.64	212.98	-57.13	0.00	0.00	0.00
8,000.00	3.43	107.13	7,993.26	-67.40	218.70	-58.66	0.00	0.00	0.00
8,100.00	3.43	107.13	8,093.08	-69.16	224.41	-60.19	0.00	0.00	0.00
8,200.00	3.43	107.13	8,192.90	-70.92	230.12	-61.72	0.00	0.00	0.00
8,300.00	3.43	107.13	8,292.72	-72.68	235.83	-63.26	0.00	0.00	0.00
8,400.00	3.43	107.13	8,392.54	-74.44	241.55	-64.79	0.00	0.00	0.00
8,500.00	3.43	107.13	8,492.36	-76.20	247.26	-66.32	0.00	0.00	0.00
8,600.00	3.43	107.13	8,592.18	-77.96	252.97	-67.85	0.00	0.00	0.00
8,700.00	3.43	107.13	8,692.01	-79.72	258.68	-69.38	0.00	0.00	0.00
8,800.00	3.43	107.13	8,791.83	-81.48	264.39	-70.92	0.00	0.00	0.00
8,900.00	3.43	107.13	8,891.65	-83.24	270.11	-72.45	0.00	0.00	0.00
9,000.00	3.43	107.13	8,991.47	-85.01	275.82	-73.98	0.00	0.00	0.00
9,100.00	3.43	107.13	9,091.29	-86.77	281.53	-75.51	0.00	0.00	0.00
9,200.00	3.43	107.13	9,191.11	-88.53	287.24	-77.04	0.00	0.00	0.00
9,300.00	3.43	107.13	9,290.93	-90.29	292.95	-78.58	0.00	0.00	0.00
9,400.00	3.43	107.13	9,390.75	-92.05	298.67	-80.11	0.00	0.00	0.00
9,500.00	3.43	107.13	9,490.58	-93.81	304.38	-81.64	0.00	0.00	0.00
9,600.00	3.43	107.13	9,590.40	-95.57	310.09	-83.17	0.00	0.00	0.00
9,700.00	3.43	107.13	9,690.22	-97.33	315.80	-84.71	0.00	0.00	0.00
9,800.00	3.43	107.13	9,790.04	-99.09	321.51	-86.24	0.00	0.00	0.00
9,900.00	3.43	107.13	9,889.86	-100.85	327.23	-87.77	0.00	0.00	0.00
10,000.00	3.43	107.13	9,989.68	-102.61	332.94	-89.30	0.00	0.00	0.00
10,100.00	3.43	107.13	10,089.50	-104.37	338.65	-90.83	0.00	0.00	0.00
10,200.00	3.43	107.13	10,189.32	-106.13	344.36	-92.37	0.00	0.00	0.00
10,300.00	3.43	107.13	10,289.14	-107.89	350.07	-93.90	0.00	0.00	0.00
10,400.00	3.43	107.13	10,388.97	-109.65	355.79	-95.43	0.00	0.00	0.00
10,500.00	3.43	107.13	10,488.79	-111.41	361.50	-96.96	0.00	0.00	0.00
10,600.00	3.43	107.13	10,588.61	-113.17	367.21	-98.49	0.00	0.00	0.00



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10,700.00	3.43	107.13	10,688.43	-114.93	372.92	-100.03	0.00	0.00	0.00
10,800.00	3.43	107.13	10,788.25	-116.69	378.63	-101.56	0.00	0.00	0.00
10,900.00	3.43	107.13	10,888.07	-118.45	384.35	-103.09	0.00	0.00	0.00
11,000.00	3.43	107.13	10,987.89	-120.21	390.06	-104.62	0.00	0.00	0.00
11,100.00	3.43	107.13	11,087.71	-121.97	395.77	-106.15	0.00	0.00	0.00
11,200.00	3.43	107.13	11,187.54	-123.73	401.48	-107.69	0.00	0.00	0.00
11,300.00	3.43	107.13	11,287.36	-125.49	407.19	-109.22	0.00	0.00	0.00
11,400.00	3.43	107.13	11,387.18	-127.26	412.91	-110.75	0.00	0.00	0.00
11,500.00	3.43	107.13	11,487.00	-129.02	418.62	-112.28	0.00	0.00	0.00
11,600.00	3.43	107.13	11,586.82	-130.78	424.33	-113.82	0.00	0.00	0.00
11,700.00	3.43	107.13	11,686.64	-132.54	430.04	-115.35	0.00	0.00	0.00
11,800.00	3.43	107.13	11,786.46	-134.30	435.75	-116.88	0.00	0.00	0.00
11,900.00	3.43	107.13	11,886.28	-136.06	441.47	-118.41	0.00	0.00	0.00
12,000.00	3.43	107.13	11,986.11	-137.82	447.18	-119.94	0.00	0.00	0.00
12,028.67	3.43	107.13	12,014.73	-138.32	448.82	-120.38	0.00	0.00	0.00
12,050.00	3.61	64.52	12,036.02	-138.22	450.03	-120.23	12.00	0.84	-199.77
12,075.00	5.58	35.34	12,060.94	-136.89	451.44	-118.85	12.00	7.90	-116.73
12,100.00	8.20	22.92	12,085.76	-134.26	452.84	-116.16	12.00	10.48	-49.66
12,125.00	11.02	16.64	12,110.41	-130.32	454.22	-112.18	12.00	11.26	-25.13
12,150.00	13.91	12.92	12,134.81	-125.11	455.58	-106.91	12.00	11.57	-14.89
12,175.00	16.84	10.46	12,158.92	-118.61	456.91	-100.37	12.00	11.72	-9.82
12,200.00	19.79	8.72	12,182.65	-110.87	458.21	-92.58	12.00	11.80	-6.97
12,225.00	22.75	7.42	12,205.94	-101.89	459.47	-83.56	12.00	11.85	-5.22
12,250.00	25.72	6.40	12,228.74	-91.70	460.70	-73.33	12.00	11.88	-4.07
12,275.00	28.70	5.58	12,250.97	-80.34	461.89	-61.92	12.00	11.91	-3.28
12,300.00	31.68	4.90	12,272.57	-67.82	463.03	-49.37	12.00	11.92	-2.71
12,325.00	34.66	4.33	12,293.50	-54.19	464.13	-35.70	12.00	11.93	-2.29
12,350.00	37.65	3.83	12,313.68	-39.48	465.18	-20.96	12.00	11.94	-1.97
12,375.00	40.64	3.40	12,333.07	-23.73	466.17	-5.19	12.00	11.95	-1.72
12,400.00	43.63	3.02	12,351.61	-6.98	467.11	11.58	12.00	11.96	-1.52
12,425.00	46.62	2.68	12,369.25	10.71	467.99	29.29	12.00	11.96	-1.36
12,450.00	49.61	2.37	12,385.94	29.30	468.81	47.90	12.00	11.96	-1.24
12,475.00	52.60	2.09	12,401.63	48.74	469.57	67.35	12.00	11.97	-1.13
12,500.00	55.59	1.83	12,416.29	68.97	470.26	87.60	12.00	11.97	-1.04
12,525.00	58.58	1.59	12,429.87	89.95	470.89	108.58	12.00	11.97	-0.97
12,550.00	61.58	1.36	12,442.34	111.61	471.44	130.25	12.00	11.97	-0.91
12,575.00	64.57	1.15	12,453.66	133.89	471.93	152.53	12.00	11.98	-0.86
12,598.54	67.39	0.95	12,463.24	155.38	472.32	174.02	12.00	11.98	-0.82
FTP (Dogwood 23 Fed Com #705H)									
12,600.00	67.57	0.94	12,463.80	156.73	472.34	175.37	12.00	11.98	-0.80
12,625.00	70.56	0.74	12,472.73	180.08	472.69	198.71	12.00	11.98	-0.78
12,650.00	73.55	0.56	12,480.43	203.86	472.96	222.49	12.00	11.98	-0.76
12,675.00	76.55	0.37	12,486.88	228.01	473.15	246.63	12.00	11.98	-0.73
12,700.00	79.54	0.19	12,492.06	252.46	473.27	271.07	12.00	11.98	-0.71
12,725.00	82.54	0.02	12,495.95	277.16	473.32	295.74	12.00	11.98	-0.70
12,750.00	85.53	359.85	12,498.55	302.02	473.29	320.58	12.00	11.98	-0.69
12,775.00	88.53	359.67	12,499.84	326.98	473.18	345.52	12.00	11.98	-0.69
12,787.27	90.00	359.59	12,500.00	339.25	473.11	357.78	12.00	11.98	-0.68
12,800.00	90.00	359.59	12,500.00	351.98	473.01	370.49	0.00	0.00	0.00
12,900.00	90.00	359.59	12,500.00	451.98	472.30	470.38	0.00	0.00	0.00
13,000.00	90.00	359.59	12,500.00	551.97	471.58	570.27	0.00	0.00	0.00
13,100.00	90.00	359.59	12,500.00	651.97	470.87	670.16	0.00	0.00	0.00
13,200.00	90.00	359.59	12,500.00	751.97	470.15	770.05	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: Dogwood 23 Fed Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3330.00usft
MD Reference: KB = 25' @ 3330.00usft
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)
13,300.00	90.00	359.59	12,500.00	851.97	469.44	869.94	0.00	0.00	0.00
13,400.00	90.00	359.59	12,500.00	951.96	468.72	969.83	0.00	0.00	0.00
13,500.00	90.00	359.59	12,500.00	1,051.96	468.01	1,069.72	0.00	0.00	0.00
13,600.00	90.00	359.59	12,500.00	1,151.96	467.29	1,169.61	0.00	0.00	0.00
13,700.00	90.00	359.59	12,500.00	1,251.96	466.57	1,269.50	0.00	0.00	0.00
13,800.00	90.00	359.59	12,500.00	1,351.95	465.86	1,369.39	0.00	0.00	0.00
13,900.00	90.00	359.59	12,500.00	1,451.95	465.14	1,469.28	0.00	0.00	0.00
14,000.00	90.00	359.59	12,500.00	1,551.95	464.43	1,569.17	0.00	0.00	0.00
14,100.00	90.00	359.59	12,500.00	1,651.95	463.71	1,669.06	0.00	0.00	0.00
14,200.00	90.00	359.59	12,500.00	1,751.94	463.00	1,768.95	0.00	0.00	0.00
14,300.00	90.00	359.59	12,500.00	1,851.94	462.28	1,868.84	0.00	0.00	0.00
14,400.00	90.00	359.59	12,500.00	1,951.94	461.56	1,968.73	0.00	0.00	0.00
14,500.00	90.00	359.59	12,500.00	2,051.93	460.85	2,068.62	0.00	0.00	0.00
14,600.00	90.00	359.59	12,500.00	2,151.93	460.13	2,168.51	0.00	0.00	0.00
14,700.00	90.00	359.59	12,500.00	2,251.93	459.42	2,268.40	0.00	0.00	0.00
14,800.00	90.00	359.59	12,500.00	2,351.93	458.70	2,368.29	0.00	0.00	0.00
14,900.00	90.00	359.59	12,500.00	2,451.92	457.99	2,468.18	0.00	0.00	0.00
15,000.00	90.00	359.59	12,500.00	2,551.92	457.27	2,568.07	0.00	0.00	0.00
15,100.00	90.00	359.59	12,500.00	2,651.92	456.56	2,667.96	0.00	0.00	0.00
15,200.00	90.00	359.59	12,500.00	2,751.92	455.84	2,767.85	0.00	0.00	0.00
15,300.00	90.00	359.59	12,500.00	2,851.91	455.12	2,867.74	0.00	0.00	0.00
15,400.00	90.00	359.59	12,500.00	2,951.91	454.41	2,967.63	0.00	0.00	0.00
15,500.00	90.00	359.59	12,500.00	3,051.91	453.69	3,067.52	0.00	0.00	0.00
15,600.00	90.00	359.59	12,500.00	3,151.91	452.98	3,167.41	0.00	0.00	0.00
15,700.00	90.00	359.59	12,500.00	3,251.90	452.26	3,267.30	0.00	0.00	0.00
15,800.00	90.00	359.59	12,500.00	3,351.90	451.55	3,367.19	0.00	0.00	0.00
15,900.00	90.00	359.59	12,500.00	3,451.90	450.83	3,467.08	0.00	0.00	0.00
16,000.00	90.00	359.59	12,500.00	3,551.90	450.12	3,566.97	0.00	0.00	0.00
16,100.00	90.00	359.59	12,500.00	3,651.89	449.40	3,666.86	0.00	0.00	0.00
16,200.00	90.00	359.59	12,500.00	3,751.89	448.68	3,766.75	0.00	0.00	0.00
16,300.00	90.00	359.59	12,500.00	3,851.89	447.97	3,866.64	0.00	0.00	0.00
16,400.00	90.00	359.59	12,500.00	3,951.89	447.25	3,966.53	0.00	0.00	0.00
16,500.00	90.00	359.59	12,500.00	4,051.88	446.54	4,066.42	0.00	0.00	0.00
16,600.00	90.00	359.59	12,500.00	4,151.88	445.82	4,166.32	0.00	0.00	0.00
16,700.00	90.00	359.59	12,500.00	4,251.88	445.11	4,266.21	0.00	0.00	0.00
16,800.00	90.00	359.59	12,500.00	4,351.88	444.39	4,366.10	0.00	0.00	0.00
16,900.00	90.00	359.59	12,500.00	4,451.87	443.68	4,465.99	0.00	0.00	0.00
17,000.00	90.00	359.59	12,500.00	4,551.87	442.96	4,565.88	0.00	0.00	0.00
17,100.00	90.00	359.59	12,500.00	4,651.87	442.24	4,665.77	0.00	0.00	0.00
17,200.00	90.00	359.59	12,500.00	4,751.87	441.53	4,765.66	0.00	0.00	0.00
17,300.00	90.00	359.59	12,500.00	4,851.86	440.81	4,865.55	0.00	0.00	0.00
17,400.00	90.00	359.59	12,500.00	4,951.86	440.10	4,965.44	0.00	0.00	0.00
17,500.00	90.00	359.59	12,500.00	5,051.86	439.38	5,065.33	0.00	0.00	0.00
17,600.00	90.00	359.59	12,500.00	5,151.86	438.67	5,165.22	0.00	0.00	0.00
17,700.00	90.00	359.59	12,500.00	5,251.85	437.95	5,265.11	0.00	0.00	0.00
17,800.00	90.00	359.59	12,500.00	5,351.85	437.24	5,365.00	0.00	0.00	0.00
17,900.00	90.00	359.59	12,500.00	5,451.85	436.52	5,464.89	0.00	0.00	0.00
18,000.00	90.00	359.59	12,500.00	5,551.85	435.80	5,564.78	0.00	0.00	0.00
18,100.00	90.00	359.59	12,500.00	5,651.84	435.09	5,664.67	0.00	0.00	0.00
18,200.00	90.00	359.59	12,500.00	5,751.84	434.37	5,764.56	0.00	0.00	0.00
18,300.00	90.00	359.59	12,500.00	5,851.84	433.66	5,864.45	0.00	0.00	0.00
18,400.00	90.00	359.59	12,500.00	5,951.84	432.94	5,964.34	0.00	0.00	0.00
18,500.00	90.00	359.59	12,500.00	6,051.83	432.23	6,064.23	0.00	0.00	0.00
18,600.00	90.00	359.59	12,500.00	6,151.83	431.51	6,164.12	0.00	0.00	0.00



EOG Resources, Inc.

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Well: #705H
Wellbore: OH
Design: Plan #0.1

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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)
18,700.00	90.00	359.59	12,500.00	6,251.83	430.80	6,264.01	0.00	0.00	0.00
18,800.00	90.00	359.59	12,500.00	6,351.82	430.08	6,363.90	0.00	0.00	0.00
18,900.00	90.00	359.59	12,500.00	6,451.82	429.36	6,463.79	0.00	0.00	0.00
19,000.00	90.00	359.59	12,500.00	6,551.82	428.65	6,563.68	0.00	0.00	0.00
19,100.00	90.00	359.59	12,500.00	6,651.82	427.93	6,663.57	0.00	0.00	0.00
19,200.00	90.00	359.59	12,500.00	6,751.81	427.22	6,763.46	0.00	0.00	0.00
19,300.00	90.00	359.59	12,500.00	6,851.81	426.50	6,863.35	0.00	0.00	0.00
19,400.00	90.00	359.59	12,500.00	6,951.81	425.79	6,963.24	0.00	0.00	0.00
19,500.00	90.00	359.59	12,500.00	7,051.81	425.07	7,063.13	0.00	0.00	0.00
19,600.00	90.00	359.59	12,500.00	7,151.80	424.35	7,163.02	0.00	0.00	0.00
19,700.00	90.00	359.59	12,500.00	7,251.80	423.64	7,262.91	0.00	0.00	0.00
19,800.00	90.00	359.59	12,500.00	7,351.80	422.92	7,362.80	0.00	0.00	0.00
19,900.00	90.00	359.59	12,500.00	7,451.80	422.21	7,462.69	0.00	0.00	0.00
20,000.00	90.00	359.59	12,500.00	7,551.79	421.49	7,562.58	0.00	0.00	0.00
20,100.00	90.00	359.59	12,500.00	7,651.79	420.78	7,662.47	0.00	0.00	0.00
20,200.00	90.00	359.59	12,500.00	7,751.79	420.06	7,762.36	0.00	0.00	0.00
20,300.00	90.00	359.59	12,500.00	7,851.79	419.35	7,862.25	0.00	0.00	0.00
20,400.00	90.00	359.59	12,500.00	7,951.78	418.63	7,962.14	0.00	0.00	0.00
20,500.00	90.00	359.59	12,500.00	8,051.78	417.91	8,062.03	0.00	0.00	0.00
20,600.00	90.00	359.59	12,500.00	8,151.78	417.20	8,161.92	0.00	0.00	0.00
20,700.00	90.00	359.59	12,500.00	8,251.78	416.48	8,261.81	0.00	0.00	0.00
20,800.00	90.00	359.59	12,500.00	8,351.77	415.77	8,361.70	0.00	0.00	0.00
20,900.00	90.00	359.59	12,500.00	8,451.77	415.05	8,461.59	0.00	0.00	0.00
21,000.00	90.00	359.59	12,500.00	8,551.77	414.34	8,561.48	0.00	0.00	0.00
21,100.00	90.00	359.59	12,500.00	8,651.77	413.62	8,661.37	0.00	0.00	0.00
21,200.00	90.00	359.59	12,500.00	8,751.76	412.91	8,761.26	0.00	0.00	0.00
21,300.00	90.00	359.59	12,500.00	8,851.76	412.19	8,861.15	0.00	0.00	0.00
21,400.00	90.00	359.59	12,500.00	8,951.76	411.47	8,961.04	0.00	0.00	0.00
21,500.00	90.00	359.59	12,500.00	9,051.76	410.76	9,060.93	0.00	0.00	0.00
21,600.00	90.00	359.59	12,500.00	9,151.75	410.04	9,160.82	0.00	0.00	0.00
21,700.00	90.00	359.59	12,500.00	9,251.75	409.33	9,260.71	0.00	0.00	0.00
21,800.00	90.00	359.59	12,500.00	9,351.75	408.61	9,360.60	0.00	0.00	0.00
21,900.00	90.00	359.59	12,500.00	9,451.75	407.90	9,460.49	0.00	0.00	0.00
22,000.00	90.00	359.59	12,500.00	9,551.74	407.18	9,560.38	0.00	0.00	0.00
22,100.00	90.00	359.59	12,500.00	9,651.74	406.47	9,660.27	0.00	0.00	0.00
22,200.00	90.00	359.59	12,500.00	9,751.74	405.75	9,760.16	0.00	0.00	0.00
22,300.00	90.00	359.59	12,500.00	9,851.74	405.03	9,860.05	0.00	0.00	0.00
22,400.00	90.00	359.59	12,500.00	9,951.73	404.32	9,959.94	0.00	0.00	0.00
22,500.00	90.00	359.59	12,500.00	10,051.73	403.60	10,059.83	0.00	0.00	0.00
22,584.27	90.00	359.59	12,500.00	10,136.00	403.00	10,144.01	0.00	0.00	0.00

PBHL (Dogwood 23 Fed Com #705H)