



Lea County, NM (NAD 83 NME)

Osprey 10 #603H

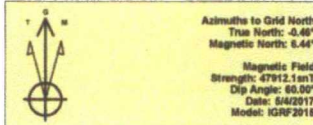
Plan #0.1

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: #603H

Ground Level: 3336.90
KB = 25' @ 3360.00sf
Northing: 418279.00 Easting: 811318.00 Latitude: 32.13867840 Longitude: -103.46110401



To convert a Magnetic Direction to a Grid Direction, Add 0.46°
To convert a Magnetic Direction to a True Direction, Add 0.91° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

SECTION DETAILS

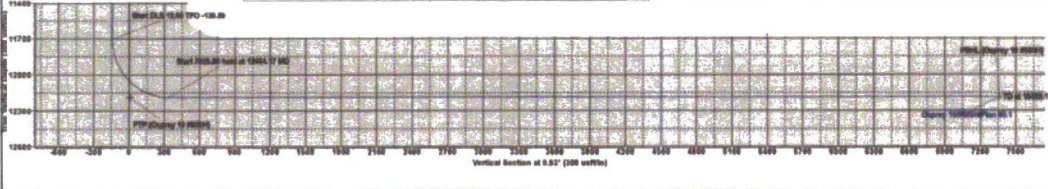
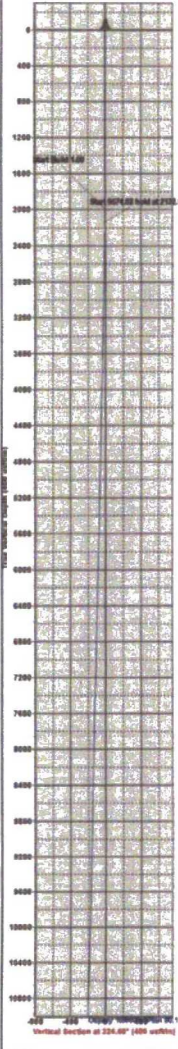
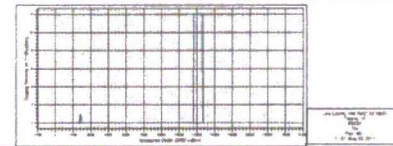
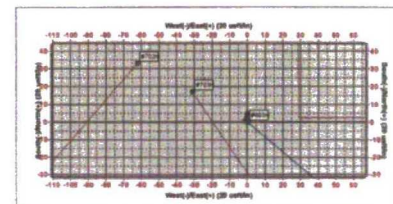
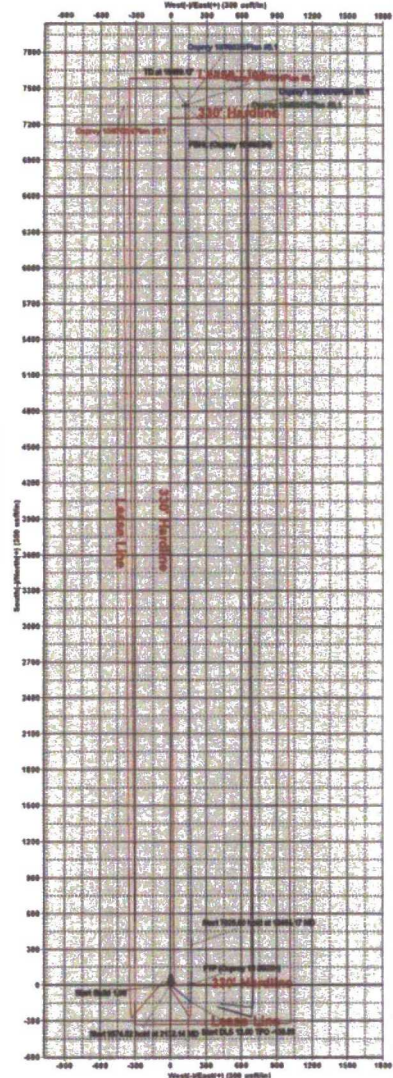
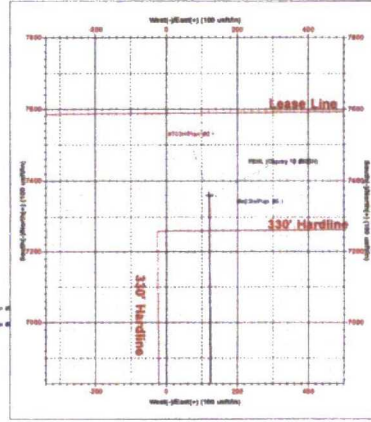
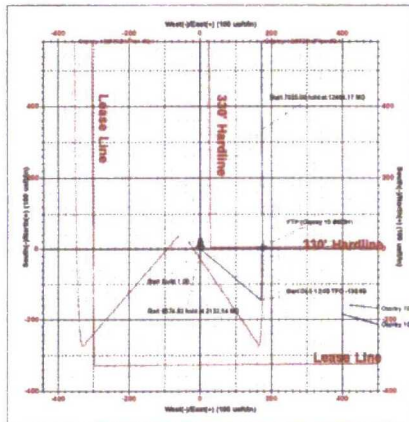
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
3	2132.14	1.32	130.46	2132.12	-0.99	1.16	1.00	130.46	-0.97	
4	11706.96	1.32	130.46	11704.40	-144.25	169.16	0.00	0.00	-141.48	
5	12464.17	90.00	359.56	12189.00	333.21	173.95	12.00	-130.89	336.00	
6	19489.17	90.00	359.56	12189.00	7358.00	120.00	0.00	0.00	7358.98	PBHL (Osprey 10 #603H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Osprey 10 #603H)	12189.00	4.00	176.00	418283.00	811491.00
PBHL (Osprey 10 #603H)	12189.00	7368.00	120.00	422637.00	811435.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Osprey 10

#603H

OH

Plan: Plan #0.1

Standard Planning Report

05 May, 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: Osprey 10
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:

TVD Reference: KB = 25' @ 3360.00usft
MD Reference: KB = 25' @ 3360.00usft
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	Osprey 10			
Site Position:		Northing:	415,279.00 usft	Latitude: 32.13867539
From: Map		Easting:	811,315.00 usft	Longitude: -103.46110401
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.46 °

Well	#603H			
Well Position	+N/-S	0.00 usft	Northing: 415,279.00 usft	Latitude: 32.13867539
	+E/-W	0.00 usft	Easting: 811,315.00 usft	Longitude: -103.46110401
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,335.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/4/2017	6.91	60.00	47,912

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	0.93

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	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,132.14	1.32	130.46	2,132.12	-0.99	1.16	1.00	1.00	0.00	130.46	
11,706.96	1.32	130.46	11,704.40	-144.25	169.16	0.00	0.00	0.00	0.00	
12,464.17	90.00	359.56	12,189.00	333.21	173.95	12.00	11.71	-17.29	-130.89	
19,489.17	90.00	359.56	12,189.00	7,358.00	120.00	0.00	0.00	0.00	0.00	PBHL (Osprey 10 #6C)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Osprey 10
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #603H
KB = 25' @ 3360.00usft
KB = 25' @ 3360.00usft
Grid
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	1.00	130.46	2,099.99	-0.57	0.66	-0.56	1.00	1.00	0.00
2,132.14	1.32	130.46	2,132.12	-0.99	1.16	-0.97	1.00	1.00	0.00
2,200.00	1.32	130.46	2,199.97	-2.00	2.35	-1.97	0.00	0.00	0.00
2,300.00	1.32	130.46	2,299.94	-3.50	4.10	-3.43	0.00	0.00	0.00
2,400.00	1.32	130.46	2,399.92	-5.00	5.86	-4.90	0.00	0.00	0.00
2,500.00	1.32	130.46	2,499.89	-6.49	7.61	-6.37	0.00	0.00	0.00
2,600.00	1.32	130.46	2,599.86	-7.99	9.37	-7.84	0.00	0.00	0.00
2,700.00	1.32	130.46	2,699.84	-9.49	11.12	-9.30	0.00	0.00	0.00
2,800.00	1.32	130.46	2,799.81	-10.98	12.88	-10.77	0.00	0.00	0.00
2,900.00	1.32	130.46	2,899.78	-12.48	14.63	-12.24	0.00	0.00	0.00
3,000.00	1.32	130.46	2,999.76	-13.97	16.39	-13.71	0.00	0.00	0.00
3,100.00	1.32	130.46	3,099.73	-15.47	18.14	-15.17	0.00	0.00	0.00
3,200.00	1.32	130.46	3,199.70	-16.97	19.90	-16.64	0.00	0.00	0.00
3,300.00	1.32	130.46	3,299.68	-18.46	21.65	-18.11	0.00	0.00	0.00
3,400.00	1.32	130.46	3,399.65	-19.96	23.41	-19.57	0.00	0.00	0.00
3,500.00	1.32	130.46	3,499.62	-21.46	25.16	-21.04	0.00	0.00	0.00
3,600.00	1.32	130.46	3,599.60	-22.95	26.92	-22.51	0.00	0.00	0.00
3,700.00	1.32	130.46	3,699.57	-24.45	28.67	-23.98	0.00	0.00	0.00
3,800.00	1.32	130.46	3,799.54	-25.94	30.42	-25.44	0.00	0.00	0.00
3,900.00	1.32	130.46	3,899.52	-27.44	32.18	-26.91	0.00	0.00	0.00
4,000.00	1.32	130.46	3,999.49	-28.94	33.93	-28.38	0.00	0.00	0.00
4,100.00	1.32	130.46	4,099.47	-30.43	35.69	-29.85	0.00	0.00	0.00
4,200.00	1.32	130.46	4,199.44	-31.93	37.44	-31.31	0.00	0.00	0.00
4,300.00	1.32	130.46	4,299.41	-33.43	39.20	-32.78	0.00	0.00	0.00
4,400.00	1.32	130.46	4,399.39	-34.92	40.95	-34.25	0.00	0.00	0.00
4,500.00	1.32	130.46	4,499.36	-36.42	42.71	-35.72	0.00	0.00	0.00
4,600.00	1.32	130.46	4,599.33	-37.91	44.46	-37.18	0.00	0.00	0.00
4,700.00	1.32	130.46	4,699.31	-39.41	46.22	-38.65	0.00	0.00	0.00
4,800.00	1.32	130.46	4,799.28	-40.91	47.97	-40.12	0.00	0.00	0.00
4,900.00	1.32	130.46	4,899.25	-42.40	49.73	-41.59	0.00	0.00	0.00
5,000.00	1.32	130.46	4,999.23	-43.90	51.48	-43.05	0.00	0.00	0.00
5,100.00	1.32	130.46	5,099.20	-45.40	53.24	-44.52	0.00	0.00	0.00
5,200.00	1.32	130.46	5,199.17	-46.89	54.99	-45.99	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: Osprey 10
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #603H
KB = 25' @ 3360.00usft
KB = 25' @ 3360.00usft
Grid
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	1.32	130.46	5,299.15	-48.39	56.74	-47.46	0.00	0.00	0.00
5,400.00	1.32	130.46	5,399.12	-49.88	58.50	-48.92	0.00	0.00	0.00
5,500.00	1.32	130.46	5,499.09	-51.38	60.25	-50.39	0.00	0.00	0.00
5,600.00	1.32	130.46	5,599.07	-52.88	62.01	-51.86	0.00	0.00	0.00
5,700.00	1.32	130.46	5,699.04	-54.37	63.76	-53.33	0.00	0.00	0.00
5,800.00	1.32	130.46	5,799.01	-55.87	65.52	-54.79	0.00	0.00	0.00
5,900.00	1.32	130.46	5,898.99	-57.37	67.27	-56.26	0.00	0.00	0.00
6,000.00	1.32	130.46	5,998.96	-58.86	69.03	-57.73	0.00	0.00	0.00
6,100.00	1.32	130.46	6,098.93	-60.36	70.78	-59.20	0.00	0.00	0.00
6,200.00	1.32	130.46	6,198.91	-61.85	72.54	-60.66	0.00	0.00	0.00
6,300.00	1.32	130.46	6,298.88	-63.35	74.29	-62.13	0.00	0.00	0.00
6,400.00	1.32	130.46	6,398.85	-64.85	76.05	-63.60	0.00	0.00	0.00
6,500.00	1.32	130.46	6,498.83	-66.34	77.80	-65.07	0.00	0.00	0.00
6,600.00	1.32	130.46	6,598.80	-67.84	79.56	-66.53	0.00	0.00	0.00
6,700.00	1.32	130.46	6,698.77	-69.34	81.31	-68.00	0.00	0.00	0.00
6,800.00	1.32	130.46	6,798.75	-70.83	83.06	-69.47	0.00	0.00	0.00
6,900.00	1.32	130.46	6,898.72	-72.33	84.82	-70.94	0.00	0.00	0.00
7,000.00	1.32	130.46	6,998.69	-73.83	86.57	-72.40	0.00	0.00	0.00
7,100.00	1.32	130.46	7,098.67	-75.32	88.33	-73.87	0.00	0.00	0.00
7,200.00	1.32	130.46	7,198.64	-76.82	90.08	-75.34	0.00	0.00	0.00
7,300.00	1.32	130.46	7,298.61	-78.31	91.84	-76.81	0.00	0.00	0.00
7,400.00	1.32	130.46	7,398.59	-79.81	93.59	-78.27	0.00	0.00	0.00
7,500.00	1.32	130.46	7,498.56	-81.31	95.35	-79.74	0.00	0.00	0.00
7,600.00	1.32	130.46	7,598.53	-82.80	97.10	-81.21	0.00	0.00	0.00
7,700.00	1.32	130.46	7,698.51	-84.30	98.86	-82.68	0.00	0.00	0.00
7,800.00	1.32	130.46	7,798.48	-85.80	100.61	-84.14	0.00	0.00	0.00
7,900.00	1.32	130.46	7,898.45	-87.29	102.37	-85.61	0.00	0.00	0.00
8,000.00	1.32	130.46	7,998.43	-88.79	104.12	-87.08	0.00	0.00	0.00
8,100.00	1.32	130.46	8,098.40	-90.28	105.87	-88.55	0.00	0.00	0.00
8,200.00	1.32	130.46	8,198.37	-91.78	107.63	-90.01	0.00	0.00	0.00
8,300.00	1.32	130.46	8,298.35	-93.28	109.38	-91.48	0.00	0.00	0.00
8,400.00	1.32	130.46	8,398.32	-94.77	111.14	-92.95	0.00	0.00	0.00
8,500.00	1.32	130.46	8,498.30	-96.27	112.89	-94.42	0.00	0.00	0.00
8,600.00	1.32	130.46	8,598.27	-97.77	114.65	-95.88	0.00	0.00	0.00
8,700.00	1.32	130.46	8,698.24	-99.26	116.40	-97.35	0.00	0.00	0.00
8,800.00	1.32	130.46	8,798.22	-100.76	118.16	-98.82	0.00	0.00	0.00
8,900.00	1.32	130.46	8,898.19	-102.25	119.91	-100.29	0.00	0.00	0.00
9,000.00	1.32	130.46	8,998.16	-103.75	121.67	-101.75	0.00	0.00	0.00
9,100.00	1.32	130.46	9,098.14	-105.25	123.42	-103.22	0.00	0.00	0.00
9,200.00	1.32	130.46	9,198.11	-106.74	125.18	-104.69	0.00	0.00	0.00
9,300.00	1.32	130.46	9,298.08	-108.24	126.93	-106.16	0.00	0.00	0.00
9,400.00	1.32	130.46	9,398.06	-109.74	128.69	-107.62	0.00	0.00	0.00
9,500.00	1.32	130.46	9,498.03	-111.23	130.44	-109.09	0.00	0.00	0.00
9,600.00	1.32	130.46	9,598.00	-112.73	132.19	-110.56	0.00	0.00	0.00
9,700.00	1.32	130.46	9,697.98	-114.22	133.95	-112.03	0.00	0.00	0.00
9,800.00	1.32	130.46	9,797.95	-115.72	135.70	-113.49	0.00	0.00	0.00
9,900.00	1.32	130.46	9,897.92	-117.22	137.46	-114.96	0.00	0.00	0.00
10,000.00	1.32	130.46	9,997.90	-118.71	139.21	-116.43	0.00	0.00	0.00
10,100.00	1.32	130.46	10,097.87	-120.21	140.97	-117.89	0.00	0.00	0.00
10,200.00	1.32	130.46	10,197.84	-121.71	142.72	-119.36	0.00	0.00	0.00
10,300.00	1.32	130.46	10,297.82	-123.20	144.48	-120.83	0.00	0.00	0.00
10,400.00	1.32	130.46	10,397.79	-124.70	146.23	-122.30	0.00	0.00	0.00
10,500.00	1.32	130.46	10,497.76	-126.19	147.99	-123.76	0.00	0.00	0.00
10,600.00	1.32	130.46	10,597.74	-127.69	149.74	-125.23	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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Project: Lea County, NM (NAD 83 NME)
Site: Osprey 10
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25' @ 3360.00usft
MD Reference: KB = 25' @ 3360.00usft
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)	
10,700.00	1.32	130.46	10,697.71	-129.19	151.50	-126.70	0.00	0.00	0.00	
10,800.00	1.32	130.46	10,797.68	-130.68	153.25	-128.17	0.00	0.00	0.00	
10,900.00	1.32	130.46	10,897.66	-132.18	155.01	-129.63	0.00	0.00	0.00	
11,000.00	1.32	130.46	10,997.63	-133.68	156.76	-131.10	0.00	0.00	0.00	
11,100.00	1.32	130.46	11,097.60	-135.17	158.51	-132.57	0.00	0.00	0.00	
11,200.00	1.32	130.46	11,197.58	-136.67	160.27	-134.04	0.00	0.00	0.00	
11,300.00	1.32	130.46	11,297.55	-138.16	162.02	-135.50	0.00	0.00	0.00	
11,400.00	1.32	130.46	11,397.52	-139.66	163.78	-136.97	0.00	0.00	0.00	
11,500.00	1.32	130.46	11,497.50	-141.16	165.53	-138.44	0.00	0.00	0.00	
11,600.00	1.32	130.46	11,597.47	-142.65	167.29	-139.91	0.00	0.00	0.00	
11,706.96	1.32	130.46	11,704.40	-144.25	169.16	-141.48	0.00	0.00	0.00	
11,725.00	1.64	37.09	11,722.44	-144.18	169.48	-141.40	12.00	1.76	-517.49	
11,750.00	4.41	12.61	11,747.40	-142.96	169.90	-140.17	12.00	11.10	-97.92	
11,775.00	7.37	7.31	11,772.27	-140.43	170.32	-137.63	12.00	11.81	-21.22	
11,800.00	10.35	5.04	11,796.97	-136.60	170.72	-133.80	12.00	11.92	-9.08	
11,825.00	13.34	3.78	11,821.43	-131.49	171.11	-128.68	12.00	11.96	-5.05	
11,850.00	16.33	2.97	11,845.60	-125.10	171.48	-122.29	12.00	11.97	-3.22	
11,875.00	19.32	2.41	11,869.39	-117.45	171.84	-114.64	12.00	11.98	-2.25	
11,900.00	22.32	1.99	11,892.76	-108.57	172.17	-105.75	12.00	11.99	-1.66	
11,925.00	25.32	1.67	11,915.63	-98.48	172.50	-95.66	12.00	11.99	-1.29	
11,950.00	28.32	1.41	11,937.93	-87.21	172.80	-84.38	12.00	11.99	-1.03	
11,975.00	31.31	1.20	11,959.62	-74.79	173.08	-71.95	12.00	11.99	-0.85	
12,000.00	34.31	1.02	11,980.63	-61.24	173.34	-58.41	12.00	11.99	-0.71	
12,025.00	37.31	0.87	12,000.90	-46.62	173.58	-43.78	12.00	11.99	-0.61	
12,050.00	40.31	0.74	12,020.38	-30.95	173.80	-28.11	12.00	12.00	-0.53	
12,075.00	43.31	0.62	12,039.01	-14.29	174.00	-11.45	12.00	12.00	-0.47	
12,100.00	46.31	0.51	12,056.75	3.33	174.17	6.17	12.00	12.00	-0.42	
12,125.00	49.31	0.42	12,073.54	21.85	174.33	24.69	12.00	12.00	-0.38	
12,150.00	52.31	0.33	12,089.33	41.22	174.45	44.06	12.00	12.00	-0.35	
12,175.00	55.31	0.25	12,104.09	61.39	174.55	64.23	12.00	12.00	-0.32	
FTP (Osprey 10 #603H)										
12,200.00	58.31	0.18	12,117.78	82.31	174.63	85.15	12.00	12.00	-0.30	
12,225.00	61.30	0.11	12,130.35	103.92	174.69	106.75	12.00	12.00	-0.28	
12,250.00	64.30	0.04	12,141.78	126.15	174.71	128.98	12.00	12.00	-0.26	
12,275.00	67.30	359.98	12,152.02	148.95	174.72	151.78	12.00	12.00	-0.25	
12,300.00	70.30	359.92	12,161.06	172.26	174.70	175.08	12.00	12.00	-0.24	
12,325.00	73.30	359.86	12,168.86	196.00	174.65	198.83	12.00	12.00	-0.23	
12,350.00	76.30	359.80	12,175.42	220.13	174.58	222.94	12.00	12.00	-0.22	
12,375.00	79.30	359.75	12,180.70	244.56	174.48	247.37	12.00	12.00	-0.22	
12,400.00	82.30	359.70	12,184.70	269.23	174.36	272.04	12.00	12.00	-0.21	
12,425.00	85.30	359.64	12,187.39	294.09	174.22	296.89	12.00	12.00	-0.21	
12,450.00	88.30	359.59	12,188.79	319.04	174.05	321.84	12.00	12.00	-0.21	
12,464.17	90.00	359.56	12,189.00	333.21	173.95	336.00	12.00	12.00	-0.21	
12,500.00	90.00	359.56	12,189.00	369.04	173.67	371.82	0.00	0.00	0.00	
12,600.00	90.00	359.56	12,189.00	469.04	172.90	471.79	0.00	0.00	0.00	
12,700.00	90.00	359.56	12,189.00	569.03	172.14	571.76	0.00	0.00	0.00	
12,800.00	90.00	359.56	12,189.00	669.03	171.37	671.74	0.00	0.00	0.00	
12,900.00	90.00	359.56	12,189.00	769.03	170.60	771.71	0.00	0.00	0.00	
13,000.00	90.00	359.56	12,189.00	869.02	169.83	871.68	0.00	0.00	0.00	
13,100.00	90.00	359.56	12,189.00	969.02	169.06	971.65	0.00	0.00	0.00	
13,200.00	90.00	359.56	12,189.00	1,069.02	168.30	1,071.62	0.00	0.00	0.00	
13,300.00	90.00	359.56	12,189.00	1,169.02	167.53	1,171.59	0.00	0.00	0.00	
13,400.00	90.00	359.56	12,189.00	1,269.01	166.76	1,271.56	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: Osprey 10
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #603H

KB = 25' @ 3360.00usft
KB = 25' @ 3360.00usft
Grid
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)
13,500.00	90.00	359.56	12,189.00	1,369.01	165.99	1,371.53	0.00	0.00	0.00
13,600.00	90.00	359.56	12,189.00	1,469.01	165.23	1,471.51	0.00	0.00	0.00
13,700.00	90.00	359.56	12,189.00	1,569.00	164.46	1,571.48	0.00	0.00	0.00
13,800.00	90.00	359.56	12,189.00	1,669.00	163.69	1,671.45	0.00	0.00	0.00
13,900.00	90.00	359.56	12,189.00	1,769.00	162.92	1,771.42	0.00	0.00	0.00
14,000.00	90.00	359.56	12,189.00	1,868.99	162.15	1,871.39	0.00	0.00	0.00
14,100.00	90.00	359.56	12,189.00	1,968.99	161.39	1,971.36	0.00	0.00	0.00
14,200.00	90.00	359.56	12,189.00	2,068.99	160.62	2,071.33	0.00	0.00	0.00
14,300.00	90.00	359.56	12,189.00	2,168.99	159.85	2,171.30	0.00	0.00	0.00
14,400.00	90.00	359.56	12,189.00	2,268.98	159.08	2,271.28	0.00	0.00	0.00
14,500.00	90.00	359.56	12,189.00	2,368.98	158.31	2,371.25	0.00	0.00	0.00
14,600.00	90.00	359.56	12,189.00	2,468.98	157.55	2,471.22	0.00	0.00	0.00
14,700.00	90.00	359.56	12,189.00	2,568.97	156.78	2,571.19	0.00	0.00	0.00
14,800.00	90.00	359.56	12,189.00	2,668.97	156.01	2,671.16	0.00	0.00	0.00
14,900.00	90.00	359.56	12,189.00	2,768.97	155.24	2,771.13	0.00	0.00	0.00
15,000.00	90.00	359.56	12,189.00	2,868.97	154.47	2,871.10	0.00	0.00	0.00
15,100.00	90.00	359.56	12,189.00	2,968.96	153.71	2,971.07	0.00	0.00	0.00
15,200.00	90.00	359.56	12,189.00	3,068.96	152.94	3,071.05	0.00	0.00	0.00
15,300.00	90.00	359.56	12,189.00	3,168.96	152.17	3,171.02	0.00	0.00	0.00
15,400.00	90.00	359.56	12,189.00	3,268.95	151.40	3,270.99	0.00	0.00	0.00
15,500.00	90.00	359.56	12,189.00	3,368.95	150.63	3,370.96	0.00	0.00	0.00
15,600.00	90.00	359.56	12,189.00	3,468.95	149.87	3,470.93	0.00	0.00	0.00
15,700.00	90.00	359.56	12,189.00	3,568.94	149.10	3,570.90	0.00	0.00	0.00
15,800.00	90.00	359.56	12,189.00	3,668.94	148.33	3,670.87	0.00	0.00	0.00
15,900.00	90.00	359.56	12,189.00	3,768.94	147.56	3,770.84	0.00	0.00	0.00
16,000.00	90.00	359.56	12,189.00	3,868.94	146.79	3,870.82	0.00	0.00	0.00
16,100.00	90.00	359.56	12,189.00	3,968.93	146.03	3,970.79	0.00	0.00	0.00
16,200.00	90.00	359.56	12,189.00	4,068.93	145.26	4,070.76	0.00	0.00	0.00
16,300.00	90.00	359.56	12,189.00	4,168.93	144.49	4,170.73	0.00	0.00	0.00
16,400.00	90.00	359.56	12,189.00	4,268.92	143.72	4,270.70	0.00	0.00	0.00
16,500.00	90.00	359.56	12,189.00	4,368.92	142.95	4,370.67	0.00	0.00	0.00
16,600.00	90.00	359.56	12,189.00	4,468.92	142.19	4,470.64	0.00	0.00	0.00
16,700.00	90.00	359.56	12,189.00	4,568.92	141.42	4,570.61	0.00	0.00	0.00
16,800.00	90.00	359.56	12,189.00	4,668.91	140.65	4,670.59	0.00	0.00	0.00
16,900.00	90.00	359.56	12,189.00	4,768.91	139.88	4,770.56	0.00	0.00	0.00
17,000.00	90.00	359.56	12,189.00	4,868.91	139.12	4,870.53	0.00	0.00	0.00
17,100.00	90.00	359.56	12,189.00	4,968.90	138.35	4,970.50	0.00	0.00	0.00
17,200.00	90.00	359.56	12,189.00	5,068.90	137.58	5,070.47	0.00	0.00	0.00
17,300.00	90.00	359.56	12,189.00	5,168.90	136.81	5,170.44	0.00	0.00	0.00
17,400.00	90.00	359.56	12,189.00	5,268.89	136.04	5,270.41	0.00	0.00	0.00
17,500.00	90.00	359.56	12,189.00	5,368.89	135.28	5,370.38	0.00	0.00	0.00
17,600.00	90.00	359.56	12,189.00	5,468.89	134.51	5,470.36	0.00	0.00	0.00
17,700.00	90.00	359.56	12,189.00	5,568.89	133.74	5,570.33	0.00	0.00	0.00
17,800.00	90.00	359.56	12,189.00	5,668.88	132.97	5,670.30	0.00	0.00	0.00
17,900.00	90.00	359.56	12,189.00	5,768.88	132.20	5,770.27	0.00	0.00	0.00
18,000.00	90.00	359.56	12,189.00	5,868.88	131.44	5,870.24	0.00	0.00	0.00
18,100.00	90.00	359.56	12,189.00	5,968.87	130.67	5,970.21	0.00	0.00	0.00
18,200.00	90.00	359.56	12,189.00	6,068.87	129.90	6,070.18	0.00	0.00	0.00
18,300.00	90.00	359.56	12,189.00	6,168.87	129.13	6,170.15	0.00	0.00	0.00
18,400.00	90.00	359.56	12,189.00	6,268.87	128.36	6,270.12	0.00	0.00	0.00
18,500.00	90.00	359.56	12,189.00	6,368.86	127.60	6,370.10	0.00	0.00	0.00
18,600.00	90.00	359.56	12,189.00	6,468.86	126.83	6,470.07	0.00	0.00	0.00
18,700.00	90.00	359.56	12,189.00	6,568.86	126.06	6,570.04	0.00	0.00	0.00
18,800.00	90.00	359.56	12,189.00	6,668.85	125.29	6,670.01	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #603H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3360.00usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3360.00usft
Site:	Osprey 10	North Reference:	Grid
Well:	#603H	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)
18,900.00	90.00	359.56	12,189.00	6,768.85	124.52	6,769.98	0.00	0.00	0.00
19,000.00	90.00	359.56	12,189.00	6,868.85	123.76	6,869.95	0.00	0.00	0.00
19,100.00	90.00	359.56	12,189.00	6,968.84	122.99	6,969.92	0.00	0.00	0.00
19,200.00	90.00	359.56	12,189.00	7,068.84	122.22	7,069.89	0.00	0.00	0.00
19,300.00	90.00	359.56	12,189.00	7,168.84	121.45	7,169.87	0.00	0.00	0.00
19,400.00	90.00	359.56	12,189.00	7,268.84	120.68	7,269.84	0.00	0.00	0.00
19,489.17	90.00	359.56	12,189.00	7,358.00	120.00	7,358.98	0.00	0.00	0.00
PBHL (Osprey 10 #603H)									

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
PBHL (Osprey 10 #603H) - plan hits target center - Point	0.00	0.00	12,189.00	7,358.00	120.00	422,637.00	811,435.00	32.15889706	-103.46052367
FTP (Osprey 10 #603H) - plan misses target center by 102.50usft at 12175.00usft MD (12104.09 TVD, 61.39 N, 174.55 E) - Point	0.00	0.00	12,189.00	4.00	176.00	415,283.00	811,491.00	32.13868247	-103.46053535