



Lea County, NM (NAD 83 NME)

Osprey 10 #604H

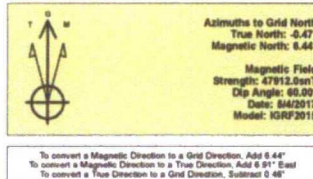
Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1960
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #604H

Ground Level: 3335.00
KB = 25' @ 3360.00ft
Northing: 416120.50 Easting: 811738.50 Latitude: 32.13822894 Longitude: -103.45974171



SECTION DETAILS

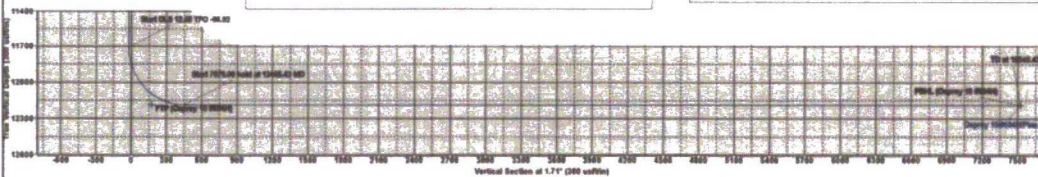
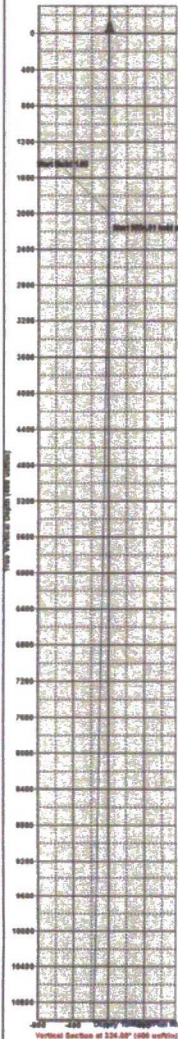
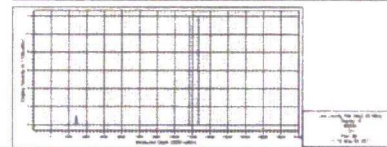
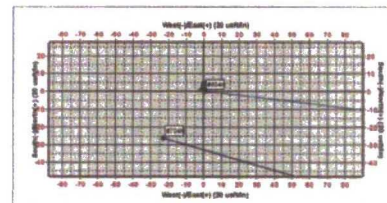
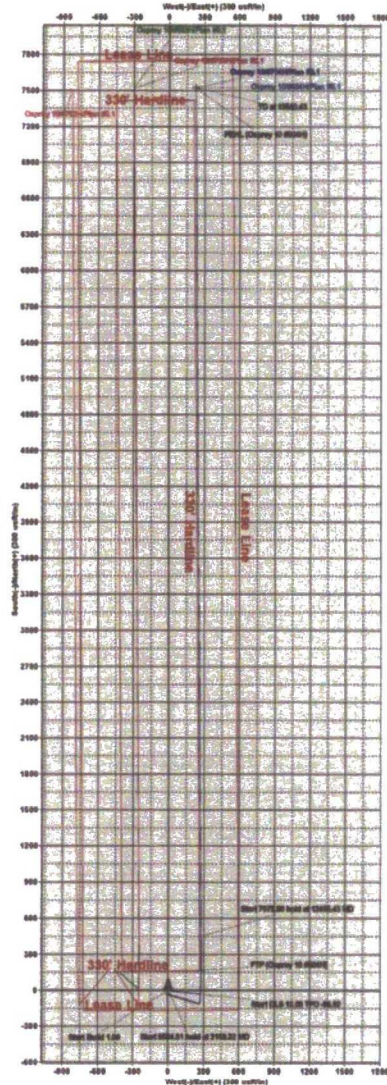
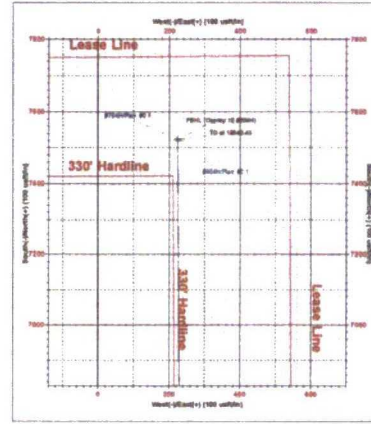
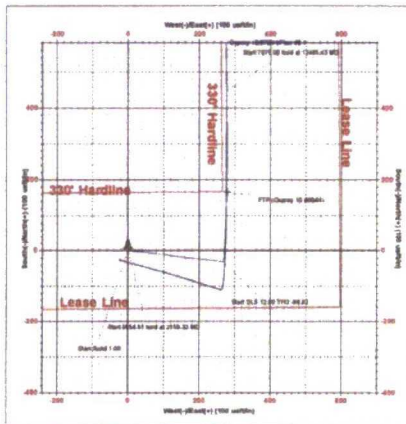
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V/Sect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
3	2159.32	1.59	96.51	2159.30	-0.25	2.20	1.00	96.51	-0.19	
4	11713.83	1.59	96.51	11710.12	-30.36	266.14	0.00	0.00	-22.42	
5	12465.43	90.00	359.58	12189.00	447.19	275.86	12.00	-96.92	455.20	
6	19540.43	90.00	359.58	12189.00	7522.00	224.00	0.00	0.00	7525.33	PBHL (Osprey 10 #604H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Osprey 10 #604H)	12189.00	188.00	275.00	416296.00	8113016.00
PBHL (Osprey 10 #604H)	12189.00	7622.00	224.00	422942.00	811962.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Osprey 10

#604H

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: #604H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #604H
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
From:	Map	Easting:	811,315.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32.13867539
		Longitude:	-103.46110401
		Grid Convergence:	0.46°

Well	#604H		
Well Position	+N/-S	-159.00 usft	Northing: 415,120.00 usft
	+E/-W	423.00 usft	Easting: 811,738.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32.13822894
		Longitude:	-103.45974171
		Ground Level:	3,335.00 usft

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

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			1.71

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	
2,159.32	1.59	96.51	2,159.30	-0.25	2.20	1.00	1.00	0.00	96.51	
11,713.83	1.59	96.51	11,710.12	-30.36	266.14	0.00	0.00	0.00	0.00	
12,465.43	90.00	359.58	12,189.00	447.19	275.86	12.00	11.76	-12.90	-96.92	
19,540.43	90.00	359.58	12,189.00	7,522.00	224.00	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: #604H
Wellbore: OH
Design: Plan #0.1

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

Well #604H
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	96.51	2,099.99	-0.10	0.87	-0.07	1.00	1.00	0.00
2,159.32	1.59	96.51	2,159.30	-0.25	2.20	-0.19	1.00	1.00	0.00
2,200.00	1.59	96.51	2,199.96	-0.38	3.32	-0.28	0.00	0.00	0.00
2,300.00	1.59	96.51	2,299.93	-0.69	6.09	-0.51	0.00	0.00	0.00
2,400.00	1.59	96.51	2,399.89	-1.01	8.85	-0.75	0.00	0.00	0.00
2,500.00	1.59	96.51	2,499.85	-1.32	11.61	-0.98	0.00	0.00	0.00
2,600.00	1.59	96.51	2,599.81	-1.64	14.37	-1.21	0.00	0.00	0.00
2,700.00	1.59	96.51	2,699.77	-1.95	17.14	-1.44	0.00	0.00	0.00
2,800.00	1.59	96.51	2,799.73	-2.27	19.90	-1.68	0.00	0.00	0.00
2,900.00	1.59	96.51	2,899.69	-2.58	22.66	-1.91	0.00	0.00	0.00
3,000.00	1.59	96.51	2,999.65	-2.90	25.42	-2.14	0.00	0.00	0.00
3,100.00	1.59	96.51	3,099.62	-3.21	28.19	-2.37	0.00	0.00	0.00
3,200.00	1.59	96.51	3,199.58	-3.53	30.95	-2.61	0.00	0.00	0.00
3,300.00	1.59	96.51	3,299.54	-3.85	33.71	-2.84	0.00	0.00	0.00
3,400.00	1.59	96.51	3,399.50	-4.16	36.47	-3.07	0.00	0.00	0.00
3,500.00	1.59	96.51	3,499.46	-4.48	39.24	-3.31	0.00	0.00	0.00
3,600.00	1.59	96.51	3,599.42	-4.79	42.00	-3.54	0.00	0.00	0.00
3,700.00	1.59	96.51	3,699.38	-5.11	44.76	-3.77	0.00	0.00	0.00
3,800.00	1.59	96.51	3,799.35	-5.42	47.52	-4.00	0.00	0.00	0.00
3,900.00	1.59	96.51	3,899.31	-5.74	50.29	-4.24	0.00	0.00	0.00
4,000.00	1.59	96.51	3,999.27	-6.05	53.05	-4.47	0.00	0.00	0.00
4,100.00	1.59	96.51	4,099.23	-6.37	55.81	-4.70	0.00	0.00	0.00
4,200.00	1.59	96.51	4,199.19	-6.68	58.57	-4.93	0.00	0.00	0.00
4,300.00	1.59	96.51	4,299.15	-7.00	61.34	-5.17	0.00	0.00	0.00
4,400.00	1.59	96.51	4,399.11	-7.31	64.10	-5.40	0.00	0.00	0.00
4,500.00	1.59	96.51	4,499.07	-7.63	66.86	-5.63	0.00	0.00	0.00
4,600.00	1.59	96.51	4,599.04	-7.94	69.62	-5.87	0.00	0.00	0.00
4,700.00	1.59	96.51	4,699.00	-8.26	72.39	-6.10	0.00	0.00	0.00
4,800.00	1.59	96.51	4,798.96	-8.57	75.15	-6.33	0.00	0.00	0.00
4,900.00	1.59	96.51	4,898.92	-8.89	77.91	-6.56	0.00	0.00	0.00
5,000.00	1.59	96.51	4,998.88	-9.20	80.67	-6.80	0.00	0.00	0.00
5,100.00	1.59	96.51	5,098.84	-9.52	83.44	-7.03	0.00	0.00	0.00
5,200.00	1.59	96.51	5,198.80	-9.83	86.20	-7.26	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: #604H
Wellbore: OH
Design: Plan #0.1

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

Well #604H
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	1.59	96.51	5,298.77	-10.15	88.96	-7.49	0.00	0.00	0.00
5,400.00	1.59	96.51	5,398.73	-10.46	91.72	-7.73	0.00	0.00	0.00
5,500.00	1.59	96.51	5,498.69	-10.78	94.49	-7.96	0.00	0.00	0.00
5,600.00	1.59	96.51	5,598.65	-11.09	97.25	-8.19	0.00	0.00	0.00
5,700.00	1.59	96.51	5,698.61	-11.41	100.01	-8.43	0.00	0.00	0.00
5,800.00	1.59	96.51	5,798.57	-11.72	102.77	-8.66	0.00	0.00	0.00
5,900.00	1.59	96.51	5,898.53	-12.04	105.54	-8.89	0.00	0.00	0.00
6,000.00	1.59	96.51	5,998.49	-12.35	108.30	-9.12	0.00	0.00	0.00
6,100.00	1.59	96.51	6,098.46	-12.67	111.06	-9.36	0.00	0.00	0.00
6,200.00	1.59	96.51	6,198.42	-12.98	113.82	-9.59	0.00	0.00	0.00
6,300.00	1.59	96.51	6,298.38	-13.30	116.59	-9.82	0.00	0.00	0.00
6,400.00	1.59	96.51	6,398.34	-13.61	119.35	-10.05	0.00	0.00	0.00
6,500.00	1.59	96.51	6,498.30	-13.93	122.11	-10.29	0.00	0.00	0.00
6,600.00	1.59	96.51	6,598.26	-14.24	124.87	-10.52	0.00	0.00	0.00
6,700.00	1.59	96.51	6,698.22	-14.56	127.63	-10.75	0.00	0.00	0.00
6,800.00	1.59	96.51	6,798.19	-14.87	130.40	-10.99	0.00	0.00	0.00
6,900.00	1.59	96.51	6,898.15	-15.19	133.16	-11.22	0.00	0.00	0.00
7,000.00	1.59	96.51	6,998.11	-15.50	135.92	-11.45	0.00	0.00	0.00
7,100.00	1.59	96.51	7,098.07	-15.82	138.68	-11.68	0.00	0.00	0.00
7,200.00	1.59	96.51	7,198.03	-16.13	141.45	-11.92	0.00	0.00	0.00
7,300.00	1.59	96.51	7,297.99	-16.45	144.21	-12.15	0.00	0.00	0.00
7,400.00	1.59	96.51	7,397.95	-16.76	146.97	-12.38	0.00	0.00	0.00
7,500.00	1.59	96.51	7,497.91	-17.08	149.73	-12.61	0.00	0.00	0.00
7,600.00	1.59	96.51	7,597.88	-17.39	152.50	-12.85	0.00	0.00	0.00
7,700.00	1.59	96.51	7,697.84	-17.71	155.26	-13.08	0.00	0.00	0.00
7,800.00	1.59	96.51	7,797.80	-18.02	158.02	-13.31	0.00	0.00	0.00
7,900.00	1.59	96.51	7,897.76	-18.34	160.78	-13.55	0.00	0.00	0.00
8,000.00	1.59	96.51	7,997.72	-18.65	163.55	-13.78	0.00	0.00	0.00
8,100.00	1.59	96.51	8,097.68	-18.97	166.31	-14.01	0.00	0.00	0.00
8,200.00	1.59	96.51	8,197.64	-19.28	169.07	-14.24	0.00	0.00	0.00
8,300.00	1.59	96.51	8,297.61	-19.60	171.83	-14.48	0.00	0.00	0.00
8,400.00	1.59	96.51	8,397.57	-19.91	174.60	-14.71	0.00	0.00	0.00
8,500.00	1.59	96.51	8,497.53	-20.23	177.36	-14.94	0.00	0.00	0.00
8,600.00	1.59	96.51	8,597.49	-20.54	180.12	-15.18	0.00	0.00	0.00
8,700.00	1.59	96.51	8,697.45	-20.86	182.88	-15.41	0.00	0.00	0.00
8,800.00	1.59	96.51	8,797.41	-21.18	185.65	-15.64	0.00	0.00	0.00
8,900.00	1.59	96.51	8,897.37	-21.49	188.41	-15.87	0.00	0.00	0.00
9,000.00	1.59	96.51	8,997.34	-21.81	191.17	-16.11	0.00	0.00	0.00
9,100.00	1.59	96.51	9,097.30	-22.12	193.93	-16.34	0.00	0.00	0.00
9,200.00	1.59	96.51	9,197.26	-22.44	196.70	-16.57	0.00	0.00	0.00
9,300.00	1.59	96.51	9,297.22	-22.75	199.46	-16.80	0.00	0.00	0.00
9,400.00	1.59	96.51	9,397.18	-23.07	202.22	-17.04	0.00	0.00	0.00
9,500.00	1.59	96.51	9,497.14	-23.38	204.98	-17.27	0.00	0.00	0.00
9,600.00	1.59	96.51	9,597.10	-23.70	207.75	-17.50	0.00	0.00	0.00
9,700.00	1.59	96.51	9,697.06	-24.01	210.51	-17.74	0.00	0.00	0.00
9,800.00	1.59	96.51	9,797.03	-24.33	213.27	-17.97	0.00	0.00	0.00
9,900.00	1.59	96.51	9,896.99	-24.64	216.03	-18.20	0.00	0.00	0.00
10,000.00	1.59	96.51	9,996.95	-24.96	218.80	-18.43	0.00	0.00	0.00
10,100.00	1.59	96.51	10,096.91	-25.27	221.56	-18.67	0.00	0.00	0.00
10,200.00	1.59	96.51	10,196.87	-25.59	224.32	-18.90	0.00	0.00	0.00
10,300.00	1.59	96.51	10,296.83	-25.90	227.08	-19.13	0.00	0.00	0.00
10,400.00	1.59	96.51	10,396.79	-26.22	229.85	-19.36	0.00	0.00	0.00
10,500.00	1.59	96.51	10,496.76	-26.53	232.61	-19.60	0.00	0.00	0.00
10,600.00	1.59	96.51	10,596.72	-26.85	235.37	-19.83	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #604H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3380.00usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3380.00usft
Site:	Osprey 10	North Reference:	Grid
Well:	#604H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,700.00	1.59	96.51	10,696.68	-27.16	238.13	-20.06	0.00	0.00	0.00	
10,800.00	1.59	96.51	10,796.64	-27.48	240.90	-20.30	0.00	0.00	0.00	
10,900.00	1.59	96.51	10,896.60	-27.79	243.66	-20.53	0.00	0.00	0.00	
11,000.00	1.59	96.51	10,996.56	-28.11	246.42	-20.76	0.00	0.00	0.00	
11,100.00	1.59	96.51	11,096.52	-28.42	249.18	-20.99	0.00	0.00	0.00	
11,200.00	1.59	96.51	11,196.48	-28.74	251.95	-21.23	0.00	0.00	0.00	
11,300.00	1.59	96.51	11,296.45	-29.05	254.71	-21.46	0.00	0.00	0.00	
11,400.00	1.59	96.51	11,396.41	-29.37	257.47	-21.69	0.00	0.00	0.00	
11,500.00	1.59	96.51	11,496.37	-29.68	260.23	-21.92	0.00	0.00	0.00	
11,600.00	1.59	96.51	11,596.33	-30.00	263.00	-22.16	0.00	0.00	0.00	
11,700.00	1.59	96.51	11,696.29	-30.31	265.76	-22.39	0.00	0.00	0.00	
11,713.83	1.59	96.51	11,710.12	-30.36	266.14	-22.42	0.00	0.00	0.00	
11,725.00	1.95	53.60	11,721.28	-30.26	266.45	-22.32	12.00	3.23	-384.20	
11,750.00	4.44	20.42	11,746.24	-29.10	267.13	-21.14	12.00	9.94	-132.72	
11,775.00	7.32	11.99	11,771.11	-26.64	267.80	-18.65	12.00	11.52	-33.69	
11,800.00	10.27	8.35	11,795.81	-22.87	268.45	-14.87	12.00	11.80	-14.58	
11,825.00	13.24	6.32	11,820.28	-17.82	269.09	-9.80	12.00	11.89	-8.11	
11,850.00	16.22	5.03	11,844.46	-11.49	269.71	-3.46	12.00	11.93	-5.17	
11,875.00	19.21	4.12	11,868.27	-3.91	270.31	4.14	12.00	11.95	-3.60	
11,900.00	22.20	3.46	11,891.65	4.91	270.89	12.97	12.00	11.96	-2.66	
11,925.00	25.19	2.94	11,914.54	14.94	271.45	23.01	12.00	11.97	-2.06	
11,950.00	28.19	2.53	11,936.88	26.15	271.99	34.24	12.00	11.98	-1.65	
11,975.00	31.18	2.19	11,958.59	38.52	272.50	46.62	12.00	11.98	-1.35	
12,000.00	34.18	1.91	11,979.63	52.01	272.98	60.11	12.00	11.98	-1.14	
12,025.00	37.18	1.67	11,999.94	66.59	273.43	74.69	12.00	11.99	-0.98	
12,050.00	40.17	1.45	12,019.45	82.20	273.86	90.32	12.00	11.99	-0.85	
12,075.00	43.17	1.27	12,038.13	98.82	274.25	106.93	12.00	11.99	-0.75	
12,100.00	46.17	1.10	12,055.90	116.39	274.61	124.51	12.00	11.99	-0.67	
12,125.00	49.17	0.95	12,072.74	134.86	274.94	142.99	12.00	11.99	-0.61	
12,150.00	52.17	0.81	12,088.58	154.19	275.24	162.32	12.00	11.99	-0.55	
12,175.00	55.16	0.68	12,103.39	174.33	275.50	182.45	12.00	11.99	-0.51	
12,200.00	58.16	0.56	12,117.13	195.21	275.72	203.33	12.00	11.99	-0.47	
12,211.11	59.49	0.51	12,122.88	204.72	275.81	212.84	12.00	11.99	-0.45	
FTP (Osprey 10 #604H)										
12,225.00	61.16	0.45	12,129.76	216.79	275.92	224.90	12.00	11.99	-0.44	
12,250.00	64.16	0.35	12,141.24	238.99	276.07	247.10	12.00	11.99	-0.42	
12,275.00	67.16	0.25	12,151.54	261.76	276.19	269.87	12.00	11.99	-0.40	
12,300.00	70.16	0.15	12,160.64	285.05	276.27	293.14	12.00	11.99	-0.38	
12,325.00	73.15	0.06	12,168.50	308.77	276.31	316.86	12.00	11.99	-0.37	
12,350.00	76.15	359.97	12,175.12	332.88	276.32	340.96	12.00	12.00	-0.36	
12,375.00	79.15	359.88	12,180.47	357.30	276.29	365.36	12.00	12.00	-0.35	
12,400.00	82.15	359.80	12,184.53	381.96	276.22	390.01	12.00	12.00	-0.34	
12,425.00	85.15	359.71	12,187.29	406.81	276.11	414.84	12.00	12.00	-0.34	
12,450.00	88.15	359.63	12,188.75	431.76	275.97	439.78	12.00	12.00	-0.33	
12,465.43	90.00	359.58	12,189.00	447.19	275.86	455.20	12.00	12.00	-0.33	
12,500.00	90.00	359.58	12,189.00	481.76	275.61	489.75	0.00	0.00	0.00	
12,600.00	90.00	359.58	12,189.00	581.75	274.88	589.68	0.00	0.00	0.00	
12,700.00	90.00	359.58	12,189.00	681.75	274.14	689.61	0.00	0.00	0.00	
12,800.00	90.00	359.58	12,189.00	781.75	273.41	789.54	0.00	0.00	0.00	
12,900.00	90.00	359.58	12,189.00	881.75	272.68	889.47	0.00	0.00	0.00	
13,000.00	90.00	359.58	12,189.00	981.74	271.94	989.40	0.00	0.00	0.00	
13,100.00	90.00	359.58	12,189.00	1,081.74	271.21	1,089.33	0.00	0.00	0.00	
13,200.00	90.00	359.58	12,189.00	1,181.74	270.48	1,189.26	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: #604H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #604H
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)
13,300.00	90.00	359.58	12,189.00	1,281.74	269.74	1,289.20	0.00	0.00	0.00
13,400.00	90.00	359.58	12,189.00	1,381.73	269.01	1,389.13	0.00	0.00	0.00
13,500.00	90.00	359.58	12,189.00	1,481.73	268.28	1,489.06	0.00	0.00	0.00
13,600.00	90.00	359.58	12,189.00	1,581.73	267.55	1,588.99	0.00	0.00	0.00
13,700.00	90.00	359.58	12,189.00	1,681.72	266.81	1,688.92	0.00	0.00	0.00
13,800.00	90.00	359.58	12,189.00	1,781.72	266.08	1,788.85	0.00	0.00	0.00
13,900.00	90.00	359.58	12,189.00	1,881.72	265.35	1,888.78	0.00	0.00	0.00
14,000.00	90.00	359.58	12,189.00	1,981.72	264.61	1,988.71	0.00	0.00	0.00
14,100.00	90.00	359.58	12,189.00	2,081.71	263.88	2,088.65	0.00	0.00	0.00
14,200.00	90.00	359.58	12,189.00	2,181.71	263.15	2,188.58	0.00	0.00	0.00
14,300.00	90.00	359.58	12,189.00	2,281.71	262.41	2,288.51	0.00	0.00	0.00
14,400.00	90.00	359.58	12,189.00	2,381.71	261.68	2,388.44	0.00	0.00	0.00
14,500.00	90.00	359.58	12,189.00	2,481.70	260.95	2,488.37	0.00	0.00	0.00
14,600.00	90.00	359.58	12,189.00	2,581.70	260.21	2,588.30	0.00	0.00	0.00
14,700.00	90.00	359.58	12,189.00	2,681.70	259.48	2,688.23	0.00	0.00	0.00
14,800.00	90.00	359.58	12,189.00	2,781.70	258.75	2,788.16	0.00	0.00	0.00
14,900.00	90.00	359.58	12,189.00	2,881.69	258.02	2,888.10	0.00	0.00	0.00
15,000.00	90.00	359.58	12,189.00	2,981.69	257.28	2,988.03	0.00	0.00	0.00
15,100.00	90.00	359.58	12,189.00	3,081.69	256.55	3,087.96	0.00	0.00	0.00
15,200.00	90.00	359.58	12,189.00	3,181.68	255.82	3,187.89	0.00	0.00	0.00
15,300.00	90.00	359.58	12,189.00	3,281.68	255.08	3,287.82	0.00	0.00	0.00
15,400.00	90.00	359.58	12,189.00	3,381.68	254.35	3,387.75	0.00	0.00	0.00
15,500.00	90.00	359.58	12,189.00	3,481.68	253.62	3,487.68	0.00	0.00	0.00
15,600.00	90.00	359.58	12,189.00	3,581.67	252.88	3,587.61	0.00	0.00	0.00
15,700.00	90.00	359.58	12,189.00	3,681.67	252.15	3,687.54	0.00	0.00	0.00
15,800.00	90.00	359.58	12,189.00	3,781.67	251.42	3,787.48	0.00	0.00	0.00
15,900.00	90.00	359.58	12,189.00	3,881.67	250.69	3,887.41	0.00	0.00	0.00
16,000.00	90.00	359.58	12,189.00	3,981.66	249.95	3,987.34	0.00	0.00	0.00
16,100.00	90.00	359.58	12,189.00	4,081.66	249.22	4,087.27	0.00	0.00	0.00
16,200.00	90.00	359.58	12,189.00	4,181.66	248.49	4,187.20	0.00	0.00	0.00
16,300.00	90.00	359.58	12,189.00	4,281.66	247.75	4,287.13	0.00	0.00	0.00
16,400.00	90.00	359.58	12,189.00	4,381.65	247.02	4,387.06	0.00	0.00	0.00
16,500.00	90.00	359.58	12,189.00	4,481.65	246.29	4,486.99	0.00	0.00	0.00
16,600.00	90.00	359.58	12,189.00	4,581.65	245.55	4,586.93	0.00	0.00	0.00
16,700.00	90.00	359.58	12,189.00	4,681.64	244.82	4,686.86	0.00	0.00	0.00
16,800.00	90.00	359.58	12,189.00	4,781.64	244.09	4,786.79	0.00	0.00	0.00
16,900.00	90.00	359.58	12,189.00	4,881.64	243.36	4,886.72	0.00	0.00	0.00
17,000.00	90.00	359.58	12,189.00	4,981.64	242.62	4,986.65	0.00	0.00	0.00
17,100.00	90.00	359.58	12,189.00	5,081.63	241.89	5,086.58	0.00	0.00	0.00
17,200.00	90.00	359.58	12,189.00	5,181.63	241.16	5,186.51	0.00	0.00	0.00
17,300.00	90.00	359.58	12,189.00	5,281.63	240.42	5,286.44	0.00	0.00	0.00
17,400.00	90.00	359.58	12,189.00	5,381.63	239.69	5,386.38	0.00	0.00	0.00
17,500.00	90.00	359.58	12,189.00	5,481.62	238.96	5,486.31	0.00	0.00	0.00
17,600.00	90.00	359.58	12,189.00	5,581.62	238.22	5,586.24	0.00	0.00	0.00
17,700.00	90.00	359.58	12,189.00	5,681.62	237.49	5,686.17	0.00	0.00	0.00
17,800.00	90.00	359.58	12,189.00	5,781.61	236.76	5,786.10	0.00	0.00	0.00
17,900.00	90.00	359.58	12,189.00	5,881.61	236.02	5,886.03	0.00	0.00	0.00
18,000.00	90.00	359.58	12,189.00	5,981.61	235.29	5,985.96	0.00	0.00	0.00
18,100.00	90.00	359.58	12,189.00	6,081.61	234.56	6,085.89	0.00	0.00	0.00
18,200.00	90.00	359.58	12,189.00	6,181.60	233.83	6,185.82	0.00	0.00	0.00
18,300.00	90.00	359.58	12,189.00	6,281.60	233.09	6,285.76	0.00	0.00	0.00
18,400.00	90.00	359.58	12,189.00	6,381.60	232.36	6,385.69	0.00	0.00	0.00
18,500.00	90.00	359.58	12,189.00	6,481.60	231.63	6,485.62	0.00	0.00	0.00
18,600.00	90.00	359.58	12,189.00	6,581.59	230.89	6,585.55	0.00	0.00	0.00



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Well: #604H
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Design: Plan #0.1

Local Co-ordinate Reference: Well #604H
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)
18,700.00	90.00	359.58	12,189.00	6,681.59	230.16	6,685.48	0.00	0.00	0.00
18,800.00	90.00	359.58	12,189.00	6,781.59	229.43	6,785.41	0.00	0.00	0.00
18,900.00	90.00	359.58	12,189.00	6,881.59	228.69	6,885.34	0.00	0.00	0.00
19,000.00	90.00	359.58	12,189.00	6,981.58	227.96	6,985.27	0.00	0.00	0.00
19,100.00	90.00	359.58	12,189.00	7,081.58	227.23	7,085.21	0.00	0.00	0.00
19,200.00	90.00	359.58	12,189.00	7,181.58	226.50	7,185.14	0.00	0.00	0.00
19,300.00	90.00	359.58	12,189.00	7,281.57	225.76	7,285.07	0.00	0.00	0.00
19,400.00	90.00	359.58	12,189.00	7,381.57	225.03	7,385.00	0.00	0.00	0.00
19,500.00	90.00	359.58	12,189.00	7,481.57	224.30	7,484.93	0.00	0.00	0.00
19,540.43	90.00	359.58	12,189.00	7,522.00	224.00	7,525.33	0.00	0.00	0.00
PBHL (Osprey 10 #604H)									

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
FTP (Osprey 10 #604H) - plan misses target center by 76.65usft at 12211.11usft MD (12122.88 TVD, 204.72 N, 275.81 E) - Point	0.00	0.00	12,189.00	166.00	278.00	415,286.00	812,016.00	32.13867901	-103.45883930
PBHL (Osprey 10 #604H) - plan hits target center - Point	0.00	0.00	12,189.00	7,522.00	224.00	422,642.00	811,962.00	32.15889905	-103.45882073