25-44175

eog resources

Lea County, NM (NAD 83 NME)

Osprey 10 #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

Azimuths to Grid North
True North: -0.46°
Magnetic North: 6.39°

Magnetic Field
Strength: 47858.8nT
Dip Angle: 60.00°
Date: 11/7/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.39°
To convert a Magnetic Direction to a True Direction, Add 6.86° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

WELL DETAILS: #705H

3333.0
KB = 25 @ 3358.0usft

Northing	Easting	Latitude	Longitude
415183.00	809976.00	32° 5' 18.389 N	103° 27' 56.555 W

SECTION DETAILS

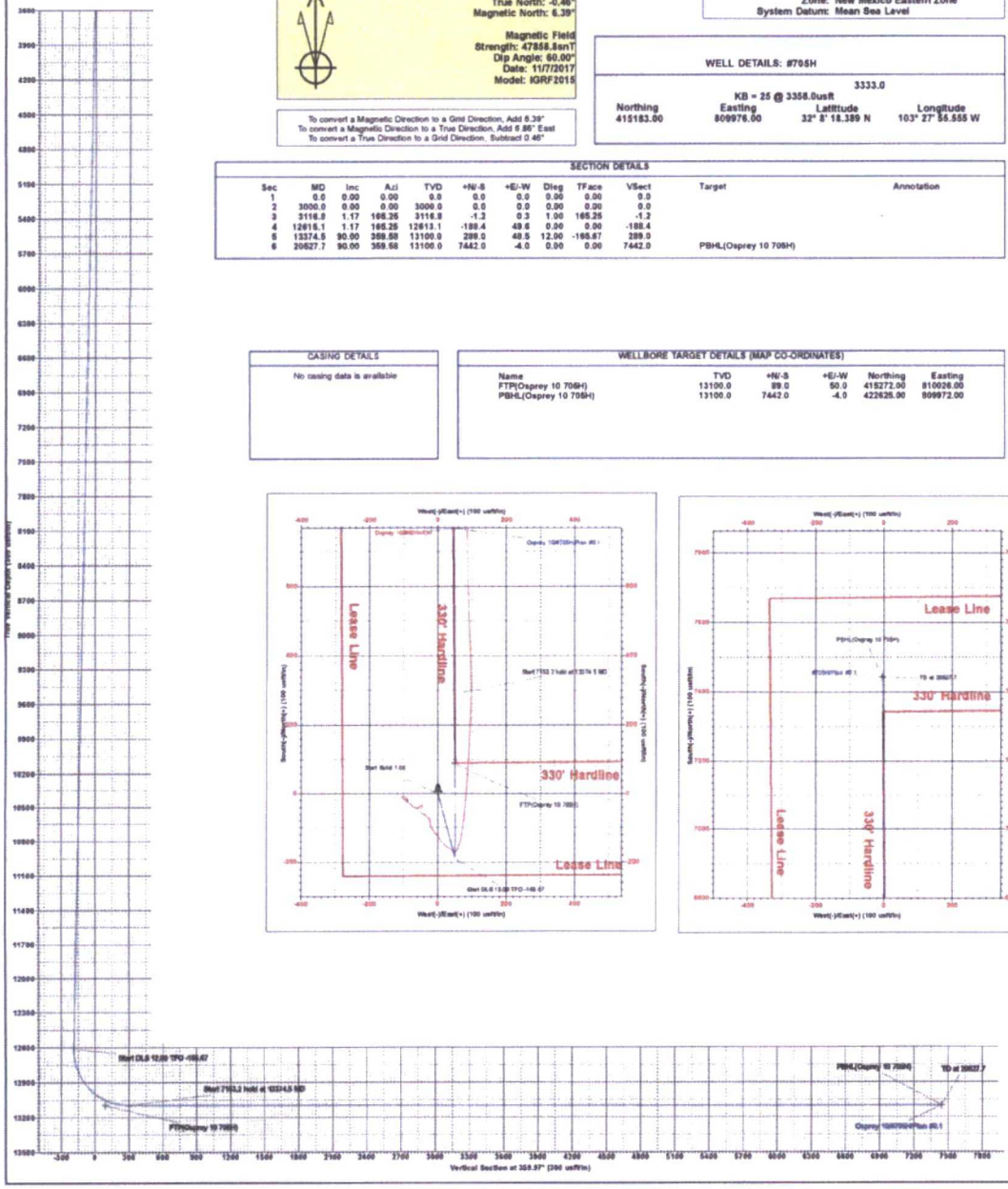
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0		
3	3116.8	1.17	166.25	3116.8	-1.2	0.3	1.00	166.25	-1.2		
4	12615.1	1.17	166.25	12613.1	-188.4	49.6	0.00	0.00	-188.4		
5	13374.5	90.00	359.58	13100.0	298.0	48.5	12.00	-166.57	289.0		
6	20627.7	90.00	359.58	13100.0	7442.0	-4.0	0.00	0.00	7442.0	PBHL(Osprey 10 705H)	

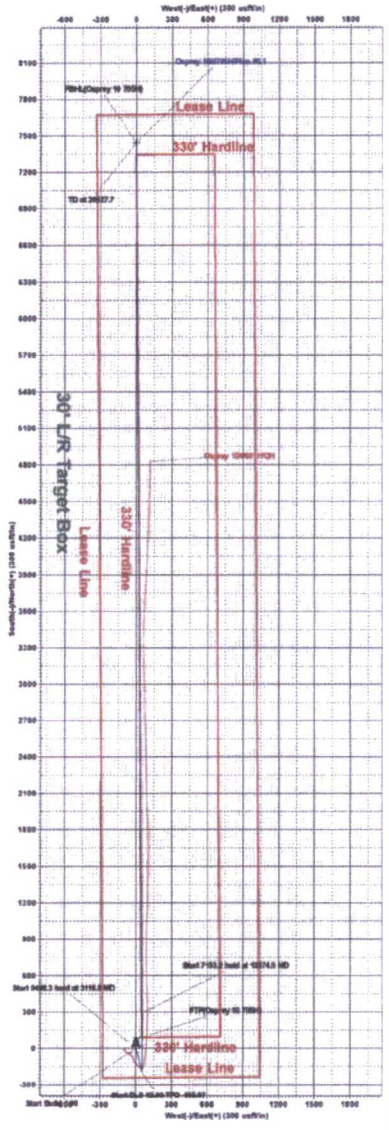
CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Osprey 10 705H)	13100.0	99.0	50.0	415272.00	810026.00
PBHL(Osprey 10 705H)	13100.0	7442.0	-4.0	422625.00	809972.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Osprey 10
#705H

OH

Plan: Plan #0.1

Standard Planning Report

07 November, 2017

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3358.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3358.0usft
Site:	Osprey 10	**North Reference:**	Grid
Well:	#705H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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° 8' 19.231 N
From:	Map	**Easting:**	811,315.00 usft	**Longitude:**	103° 27' 39.974 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.46 °

Well #705H

Well Position	**+N/-S**	-96.0 usft	**Northing:**	415,183.00 usft	**Latitude:**	32° 8' 18.389 N
	+E/-W	-1,339.0 usft	**Easting:**	809,976.00 usft	**Longitude:**	103° 27' 55.555 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,333.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/7/2017	6.86	60.00	47,858.81142485

Design Plan #0.1

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	359.97	

Plan Survey Tool Program **Date** 11/7/2017

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,527.7	Plan #0.1 (OH)	MWD	
				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	
3,116.8	1.17	165.25	3,116.8	-1.2	0.3	1.00	1.00	0.00	165.25	
12,615.1	1.17	165.25	12,613.1	-188.4	49.6	0.00	0.00	0.00	0.00	
13,374.5	90.00	359.58	13,100.0	289.0	48.5	12.00	11.70	-21.82	-165.67	
20,527.7	90.00	359.58	13,100.0	7,442.0	-4.0	0.00	0.00	0.00	0.00	PBHL(Osprey 10 705

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3358.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3358.0usft
Site:	Osprey 10	**North Reference:**	Grid
Well:	#705H	**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)
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	1.00	165.25	3,100.0	-0.8	0.2	-0.8	1.00	1.00	0.00
3,116.8	1.17	165.25	3,116.8	-1.2	0.3	-1.2	1.00	1.00	0.00
3,200.0	1.17	165.25	3,200.0	-2.8	0.7	-2.8	0.00	0.00	0.00
3,300.0	1.17	165.25	3,300.0	-4.8	1.3	-4.8	0.00	0.00	0.00
3,400.0	1.17	165.25	3,399.9	-6.7	1.8	-6.7	0.00	0.00	0.00
3,500.0	1.17	165.25	3,499.9	-8.7	2.3	-8.7	0.00	0.00	0.00
3,600.0	1.17	165.25	3,599.9	-10.7	2.8	-10.7	0.00	0.00	0.00
3,700.0	1.17	165.25	3,699.9	-12.6	3.3	-12.6	0.00	0.00	0.00
3,800.0	1.17	165.25	3,799.8	-14.6	3.8	-14.6	0.00	0.00	0.00
3,900.0	1.17	165.25	3,899.8	-16.6	4.4	-16.6	0.00	0.00	0.00
4,000.0	1.17	165.25	3,999.8	-18.6	4.9	-18.6	0.00	0.00	0.00
4,100.0	1.17	165.25	4,099.8	-20.5	5.4	-20.5	0.00	0.00	0.00
4,200.0	1.17	165.25	4,199.8	-22.5	5.9	-22.5	0.00	0.00	0.00
4,300.0	1.17	165.25	4,299.7	-24.5	6.4	-24.5	0.00	0.00	0.00
4,400.0	1.17	165.25	4,399.7	-26.4	7.0	-26.4	0.00	0.00	0.00
4,500.0	1.17	165.25	4,499.7	-28.4	7.5	-28.4	0.00	0.00	0.00
4,600.0	1.17	165.25	4,599.7	-30.4	8.0	-30.4	0.00	0.00	0.00
4,700.0	1.17	165.25	4,699.7	-32.4	8.5	-32.4	0.00	0.00	0.00
4,800.0	1.17	165.25	4,799.6	-34.3	9.0	-34.3	0.00	0.00	0.00
4,900.0	1.17	165.25	4,899.6	-36.3	9.6	-36.3	0.00	0.00	0.00
5,000.0	1.17	165.25	4,999.6	-38.3	10.1	-38.3	0.00	0.00	0.00
5,100.0	1.17	165.25	5,099.6	-40.2	10.6	-40.3	0.00	0.00	0.00
5,200.0	1.17	165.25	5,199.6	-42.2	11.1	-42.2	0.00	0.00	0.00

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Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3358.0usft
Site:	Osprey 10	**North Reference:**	Grid
Well:	#705H	**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)
5,300.0	1.17	165.25	5,299.5	-44.2	11.6	-44.2	0.00	0.00	0.00
5,400.0	1.17	165.25	5,399.5	-46.2	12.1	-46.2	0.00	0.00	0.00
5,500.0	1.17	165.25	5,499.5	-48.1	12.7	-48.1	0.00	0.00	0.00
5,600.0	1.17	165.25	5,599.5	-50.1	13.2	-50.1	0.00	0.00	0.00
5,700.0	1.17	165.25	5,699.5	-52.1	13.7	-52.1	0.00	0.00	0.00
5,800.0	1.17	165.25	5,799.4	-54.0	14.2	-54.1	0.00	0.00	0.00
5,900.0	1.17	165.25	5,899.4	-56.0	14.7	-56.0	0.00	0.00	0.00
6,000.0	1.17	165.25	5,999.4	-58.0	15.3	-58.0	0.00	0.00	0.00
6,100.0	1.17	165.25	6,099.4	-60.0	15.8	-60.0	0.00	0.00	0.00
6,200.0	1.17	165.25	6,199.4	-61.9	16.3	-61.9	0.00	0.00	0.00
6,300.0	1.17	165.25	6,299.3	-63.9	16.8	-63.9	0.00	0.00	0.00
6,400.0	1.17	165.25	6,399.3	-65.9	17.3	-65.9	0.00	0.00	0.00
6,500.0	1.17	165.25	6,499.3	-67.8	17.9	-67.9	0.00	0.00	0.00
6,600.0	1.17	165.25	6,599.3	-69.8	18.4	-69.8	0.00	0.00	0.00
6,700.0	1.17	165.25	6,699.2	-71.8	18.9	-71.8	0.00	0.00	0.00
6,800.0	1.17	165.25	6,799.2	-73.8	19.4	-73.8	0.00	0.00	0.00
6,900.0	1.17	165.25	6,899.2	-75.7	19.9	-75.7	0.00	0.00	0.00
7,000.0	1.17	165.25	6,999.2	-77.7	20.4	-77.7	0.00	0.00	0.00
7,100.0	1.17	165.25	7,099.2	-79.7	21.0	-79.7	0.00	0.00	0.00
7,200.0	1.17	165.25	7,199.1	-81.6	21.5	-81.7	0.00	0.00	0.00
7,300.0	1.17	165.25	7,299.1	-83.6	22.0	-83.6	0.00	0.00	0.00
7,400.0	1.17	165.25	7,399.1	-85.6	22.5	-85.6	0.00	0.00	0.00
7,500.0	1.17	165.25	7,499.1	-87.6	23.0	-87.6	0.00	0.00	0.00
7,600.0	1.17	165.25	7,599.1	-89.5	23.6	-89.5	0.00	0.00	0.00
7,700.0	1.17	165.25	7,699.0	-91.5	24.1	-91.5	0.00	0.00	0.00
7,800.0	1.17	165.25	7,799.0	-93.5	24.6	-93.5	0.00	0.00	0.00
7,900.0	1.17	165.25	7,899.0	-95.4	25.1	-95.5	0.00	0.00	0.00
8,000.0	1.17	165.25	7,999.0	-97.4	25.6	-97.4	0.00	0.00	0.00
8,100.0	1.17	165.25	8,099.0	-99.4	26.2	-99.4	0.00	0.00	0.00
8,200.0	1.17	165.25	8,198.9	-101.4	26.7	-101.4	0.00	0.00	0.00
8,300.0	1.17	165.25	8,298.9	-103.3	27.2	-103.3	0.00	0.00	0.00
8,400.0	1.17	165.25	8,398.9	-105.3	27.7	-105.3	0.00	0.00	0.00
8,500.0	1.17	165.25	8,498.9	-107.3	28.2	-107.3	0.00	0.00	0.00
8,600.0	1.17	165.25	8,598.9	-109.2	28.8	-109.3	0.00	0.00	0.00
8,700.0	1.17	165.25	8,698.8	-111.2	29.3	-111.2	0.00	0.00	0.00
8,800.0	1.17	165.25	8,798.8	-113.2	29.8	-113.2	0.00	0.00	0.00
8,900.0	1.17	165.25	8,898.8	-115.2	30.3	-115.2	0.00	0.00	0.00
9,000.0	1.17	165.25	8,998.8	-117.1	30.8	-117.1	0.00	0.00	0.00
9,100.0	1.17	165.25	9,098.7	-119.1	31.3	-119.1	0.00	0.00	0.00
9,200.0	1.17	165.25	9,198.7	-121.1	31.9	-121.1	0.00	0.00	0.00
9,300.0	1.17	165.25	9,298.7	-123.0	32.4	-123.1	0.00	0.00	0.00
9,400.0	1.17	165.25	9,398.7	-125.0	32.9	-125.0	0.00	0.00	0.00
9,500.0	1.17	165.25	9,498.7	-127.0	33.4	-127.0	0.00	0.00	0.00
9,600.0	1.17	165.25	9,598.6	-128.9	33.9	-129.0	0.00	0.00	0.00
9,700.0	1.17	165.25	9,698.6	-130.9	34.5	-130.9	0.00	0.00	0.00
9,800.0	1.17	165.25	9,798.6	-132.9	35.0	-132.9	0.00	0.00	0.00
9,900.0	1.17	165.25	9,898.6	-134.9	35.5	-134.9	0.00	0.00	0.00
10,000.0	1.17	165.25	9,998.6	-136.8	36.0	-136.9	0.00	0.00	0.00
10,100.0	1.17	165.25	10,098.5	-138.8	36.5	-138.8	0.00	0.00	0.00
10,200.0	1.17	165.25	10,198.5	-140.8	37.1	-140.8	0.00	0.00	0.00
10,300.0	1.17	165.25	10,298.5	-142.7	37.6	-142.8	0.00	0.00	0.00
10,400.0	1.17	165.25	10,398.5	-144.7	38.1	-144.7	0.00	0.00	0.00
10,500.0	1.17	165.25	10,498.5	-146.7	38.6	-146.7	0.00	0.00	0.00
10,600.0	1.17	165.25	10,598.4	-148.7	39.1	-148.7	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3358.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3358.0usft
Site:	Osprey 10	**North Reference:**	Grid
Well:	#705H	**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)
10,700.0	1.17	165.25	10,698.4	-150.6	39.6	-150.7	0.00	0.00	0.00
10,800.0	1.17	165.25	10,798.4	-152.6	40.2	-152.6	0.00	0.00	0.00
10,900.0	1.17	165.25	10,898.4	-154.6	40.7	-154.6	0.00	0.00	0.00
11,000.0	1.17	165.25	10,998.4	-156.5	41.2	-156.6	0.00	0.00	0.00
11,100.0	1.17	165.25	11,098.3	-158.5	41.7	-158.5	0.00	0.00	0.00
11,200.0	1.17	165.25	11,198.3	-160.5	42.2	-160.5	0.00	0.00	0.00
11,300.0	1.17	165.25	11,298.3	-162.5	42.8	-162.5	0.00	0.00	0.00
11,400.0	1.17	165.25	11,398.3	-164.4	43.3	-164.5	0.00	0.00	0.00
11,500.0	1.17	165.25	11,498.2	-166.4	43.8	-166.4	0.00	0.00	0.00
11,600.0	1.17	165.25	11,598.2	-168.4	44.3	-168.4	0.00	0.00	0.00
11,700.0	1.17	165.25	11,698.2	-170.3	44.8	-170.4	0.00	0.00	0.00
11,800.0	1.17	165.25	11,798.2	-172.3	45.4	-172.3	0.00	0.00	0.00
11,900.0	1.17	165.25	11,898.2	-174.3	45.9	-174.3	0.00	0.00	0.00
12,000.0	1.17	165.25	11,998.1	-176.3	46.4	-176.3	0.00	0.00	0.00
12,100.0	1.17	165.25	12,098.1	-178.2	46.9	-178.3	0.00	0.00	0.00
12,200.0	1.17	165.25	12,198.1	-180.2	47.4	-180.2	0.00	0.00	0.00
12,300.0	1.17	165.25	12,298.1	-182.2	47.9	-182.2	0.00	0.00	0.00
12,400.0	1.17	165.25	12,398.1	-184.1	48.5	-184.2	0.00	0.00	0.00
12,500.0	1.17	165.25	12,498.0	-186.1	49.0	-186.1	0.00	0.00	0.00
12,600.0	1.17	165.25	12,598.0	-188.1	49.5	-188.1	0.00	0.00	0.00
12,615.1	1.17	165.25	12,613.1	-188.4	49.6	-188.4	0.00	0.00	0.00
12,625.0	0.29	78.39	12,623.0	-188.5	49.6	-188.5	12.00	-8.82	-876.82
12,650.0	3.07	4.97	12,648.0	-187.8	49.8	-187.8	12.00	11.10	-293.66
12,675.0	6.06	2.30	12,672.9	-185.8	49.9	-185.8	12.00	11.97	-10.70
12,700.0	9.06	1.39	12,697.7	-182.5	50.0	-182.5	12.00	11.99	-3.64
12,725.0	12.06	0.93	12,722.3	-177.9	50.1	-178.0	12.00	12.00	-1.84
12,750.0	15.06	0.65	12,746.6	-172.1	50.1	-172.1	12.00	12.00	-1.11
12,775.0	18.06	0.47	12,770.5	-165.0	50.2	-165.0	12.00	12.00	-0.75
12,800.0	21.06	0.33	12,794.1	-156.6	50.3	-156.6	12.00	12.00	-0.54
12,825.0	24.06	0.23	12,817.2	-147.0	50.3	-147.0	12.00	12.00	-0.41
12,850.0	27.06	0.15	12,839.7	-136.2	50.3	-136.2	12.00	12.00	-0.33
12,875.0	30.06	0.08	12,861.7	-124.3	50.4	-124.3	12.00	12.00	-0.27
12,900.0	33.06	0.02	12,883.0	-111.2	50.4	-111.2	12.00	12.00	-0.22
12,925.0	36.06	359.98	12,903.6	-97.0	50.4	-97.0	12.00	12.00	-0.19
12,950.0	39.06	359.94	12,923.4	-81.8	50.4	-81.8	12.00	12.00	-0.16
12,975.0	42.06	359.90	12,942.4	-65.5	50.3	-65.5	12.00	12.00	-0.14
13,000.0	45.06	359.87	12,960.5	-48.3	50.3	-48.3	12.00	12.00	-0.13
13,025.0	48.06	359.84	12,977.7	-30.1	50.3	-30.2	12.00	12.00	-0.11
13,050.0	51.06	359.81	12,993.9	-11.1	50.2	-11.1	12.00	12.00	-0.10
13,075.0	54.06	359.79	13,009.1	8.7	50.1	8.7	12.00	12.00	-0.10
13,100.0	57.06	359.77	13,023.2	29.4	50.1	29.3	12.00	12.00	-0.09
13,125.0	60.06	359.75	13,036.3	50.7	50.0	50.7	12.00	12.00	-0.08
13,150.0	63.06	359.73	13,048.2	72.7	49.9	72.6	12.00	12.00	-0.08
13,175.0	66.06	359.71	13,058.9	95.2	49.7	95.2	12.00	12.00	-0.07
13,184.9	67.25	359.70	13,062.8	104.3	49.7	104.3	12.00	12.00	-0.07
FTP(Osprey 10 705H)									
13,200.0	69.06	359.69	13,068.5	118.3	49.6	118.3	12.00	12.00	-0.07
13,225.0	72.06	359.67	13,076.8	141.9	49.5	141.9	12.00	12.00	-0.07
13,250.0	75.06	359.66	13,083.9	165.9	49.4	165.9	12.00	12.00	-0.07
13,275.0	78.06	359.64	13,089.7	190.2	49.2	190.2	12.00	12.00	-0.06
13,300.0	81.06	359.62	13,094.2	214.8	49.0	214.7	12.00	12.00	-0.06
13,325.0	84.06	359.61	13,097.4	239.6	48.9	239.5	12.00	12.00	-0.06
13,350.0	87.06	359.59	13,099.4	264.5	48.7	264.5	12.00	12.00	-0.06

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3358.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3358.0usft
Site:	Osprey 10	**North Reference:**	Grid
Well:	#705H	**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)
13,374.5	90.00	359.58	13,100.0	289.0	48.5	289.0	12.00	12.00	-0.06
13,400.0	90.00	359.58	13,100.0	314.5	48.3	314.4	0.00	0.00	0.00
13,500.0	90.00	359.58	13,100.0	414.5	47.6	414.4	0.00	0.00	0.00
13,600.0	90.00	359.58	13,100.0	514.5	46.9	514.4	0.00	0.00	0.00
13,700.0	90.00	359.58	13,100.0	614.5	46.1	614.4	0.00	0.00	0.00
13,800.0	90.00	359.58	13,100.0	714.5	45.4	714.4	0.00	0.00	0.00
13,900.0	90.00	359.58	13,100.0	814.5	44.7	814.4	0.00	0.00	0.00
14,000.0	90.00	359.58	13,100.0	914.5	43.9	914.4	0.00	0.00	0.00
14,100.0	90.00	359.58	13,100.0	1,014.4	43.2	1,014.4	0.00	0.00	0.00
14,200.0	90.00	359.58	13,100.0	1,114.4	42.5	1,114.4	0.00	0.00	0.00
14,300.0	90.00	359.58	13,100.0	1,214.4	41.7	1,214.4	0.00	0.00	0.00
14,400.0	90.00	359.58	13,100.0	1,314.4	41.0	1,314.4	0.00	0.00	0.00
14,500.0	90.00	359.58	13,100.0	1,414.4	40.3	1,414.4	0.00	0.00	0.00
14,600.0	90.00	359.58	13,100.0	1,514.4	39.5	1,514.4	0.00	0.00	0.00
14,700.0	90.00	359.58	13,100.0	1,614.4	38.8	1,614.4	0.00	0.00	0.00
14,800.0	90.00	359.58	13,100.0	1,714.4	38.1	1,714.4	0.00	0.00	0.00
14,900.0	90.00	359.58	13,100.0	1,814.4	37.3	1,814.4	0.00	0.00	0.00
15,000.0	90.00	359.58	13,100.0	1,914.4	36.6	1,914.4	0.00	0.00	0.00
15,100.0	90.00	359.58	13,100.0	2,014.4	35.9	2,014.4	0.00	0.00	0.00
15,200.0	90.00	359.58	13,100.0	2,114.4	35.1	2,114.4	0.00	0.00	0.00
15,300.0	90.00	359.58	13,100.0	2,214.4	34.4	2,214.4	0.00	0.00	0.00
15,400.0	90.00	359.58	13,100.0	2,314.4	33.7	2,314.4	0.00	0.00	0.00
15,500.0	90.00	359.58	13,100.0	2,414.4	32.9	2,414.4	0.00	0.00	0.00
15,600.0	90.00	359.58	13,100.0	2,514.4	32.2	2,514.4	0.00	0.00	0.00
15,700.0	90.00	359.58	13,100.0	2,614.4	31.5	2,614.4	0.00	0.00	0.00
15,800.0	90.00	359.58	13,100.0	2,714.4	30.7	2,714.4	0.00	0.00	0.00
15,900.0	90.00	359.58	13,100.0	2,814.4	30.0	2,814.4	0.00	0.00	0.00
16,000.0	90.00	359.58	13,100.0	2,914.4	29.3	2,914.4	0.00	0.00	0.00
16,100.0	90.00	359.58	13,100.0	3,014.4	28.5	3,014.4	0.00	0.00	0.00
16,200.0	90.00	359.58	13,100.0	3,114.4	27.8	3,114.4	0.00	0.00	0.00
16,300.0	90.00	359.58	13,100.0	3,214.4	27.0	3,214.4	0.00	0.00	0.00
16,400.0	90.00	359.58	13,100.0	3,314.4	26.3	3,314.4	0.00	0.00	0.00
16,500.0	90.00	359.58	13,100.0	3,414.4	25.6	3,414.4	0.00	0.00	0.00
16,600.0	90.00	359.58	13,100.0	3,514.4	24.8	3,514.4	0.00	0.00	0.00
16,700.0	90.00	359.58	13,100.0	3,614.4	24.1	3,614.4	0.00	0.00	0.00
16,800.0	90.00	359.58	13,100.0	3,714.4	23.4	3,714.4	0.00	0.00	0.00
16,900.0	90.00	359.58	13,100.0	3,814.4	22.6	3,814.4	0.00	0.00	0.00
17,000.0	90.00	359.58	13,100.0	3,914.4	21.9	3,914.4	0.00	0.00	0.00
17,100.0	90.00	359.58	13,100.0	4,014.4	21.2	4,014.4	0.00	0.00	0.00
17,200.0	90.00	359.58	13,100.0	4,114.4	20.4	4,114.4	0.00	0.00	0.00
17,300.0	90.00	359.58	13,100.0	4,214.4	19.7	4,214.4	0.00	0.00	0.00
17,400.0	90.00	359.58	13,100.0	4,314.4	19.0	4,314.3	0.00	0.00	0.00
17,500.0	90.00	359.58	13,100.0	4,414.4	18.2	4,414.3	0.00	0.00	0.00
17,600.0	90.00	359.58	13,100.0	4,514.4	17.5	4,514.3	0.00	0.00	0.00
17,700.0	90.00	359.58	13,100.0	4,614.4	16.8	4,614.3	0.00	0.00	0.00
17,800.0	90.00	359.58	13,100.0	4,714.3	16.0	4,714.3	0.00	0.00	0.00
17,900.0	90.00	359.58	13,100.0	4,814.3	15.3	4,814.3	0.00	0.00	0.00
18,000.0	90.00	359.58	13,100.0	4,914.3	14.6	4,914.3	0.00	0.00	0.00
18,100.0	90.00	359.58	13,100.0	5,014.3	13.8	5,014.3	0.00	0.00	0.00
18,200.0	90.00	359.58	13,100.0	5,114.3	13.1	5,114.3	0.00	0.00	0.00
18,300.0	90.00	359.58	13,100.0	5,214.3	12.4	5,214.3	0.00	0.00	0.00
18,400.0	90.00	359.58	13,100.0	5,314.3	11.6	5,314.3	0.00	0.00	0.00
18,500.0	90.00	359.58	13,100.0	5,414.3	10.9	5,414.3	0.00	0.00	0.00
18,600.0	90.00	359.58	13,100.0	5,514.3	10.2	5,514.3	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #705H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3358.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3358.0usft
Site:	Osprey 10	**North Reference:**	Grid
Well:	#705H	**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)
18,700.0	90.00	359.58	13,100.0	5,614.3	9.4	5,614.3	0.00	0.00	0.00
18,800.0	90.00	359.58	13,100.0	5,714.3	8.7	5,714.3	0.00	0.00	0.00
18,900.0	90.00	359.58	13,100.0	5,814.3	8.0	5,814.3	0.00	0.00	0.00
19,000.0	90.00	359.58	13,100.0	5,914.3	7.2	5,914.3	0.00	0.00	0.00
19,100.0	90.00	359.58	13,100.0	6,014.3	6.5	6,014.3	0.00	0.00	0.00
19,200.0	90.00	359.58	13,100.0	6,114.3	5.8	6,114.3	0.00	0.00	0.00
19,300.0	90.00	359.58	13,100.0	6,214.3	5.0	6,214.3	0.00	0.00	0.00
19,400.0	90.00	359.58	13,100.0	6,314.3	4.3	6,314.3	0.00	0.00	0.00
19,500.0	90.00	359.58	13,100.0	6,414.3	3.5	6,414.3	0.00	0.00	0.00
19,600.0	90.00	359.58	13,100.0	6,514.3	2.8	6,514.3	0.00	0.00	0.00
19,700.0	90.00	359.58	13,100.0	6,614.3	2.1	6,614.3	0.00	0.00	0.00
19,800.0	90.00	359.58	13,100.0	6,714.3	1.3	6,714.3	0.00	0.00	0.00
19,900.0	90.00	359.58	13,100.0	6,814.3	0.6	6,814.3	0.00	0.00	0.00
20,000.0	90.00	359.58	13,100.0	6,914.3	-0.1	6,914.3	0.00	0.00	0.00
20,100.0	90.00	359.58	13,100.0	7,014.3	-0.9	7,014.3	0.00	0.00	0.00
20,200.0	90.00	359.58	13,100.0	7,114.3	-1.6	7,114.3	0.00	0.00	0.00
20,300.0	90.00	359.58	13,100.0	7,214.3	-2.3	7,214.3	0.00	0.00	0.00
20,400.0	90.00	359.58	13,100.0	7,314.3	-3.1	7,314.3	0.00	0.00	0.00
20,500.0	90.00	359.58	13,100.0	7,414.3	-3.8	7,414.3	0.00	0.00	0.00
20,527.7	90.00	359.58	13,100.0	7,442.0	-4.0	7,442.0	0.00	0.00	0.00
PBHL(Osprey 10 705H)									

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 705H) - plan hits target center - Point	0.00	0.00	13,100.0	7,442.0	-4.0	422,625.00	809,972.00	32° 9' 32.028 N	103° 27' 54.904 W
FTP(Osprey 10 705H) - plan misses target center by 40.2usft at 13184.9usft MD (13062.8 TVD, 104.3 N, 49.7 E) - Point	0.00	0.00	13,100.0	89.0	50.0	415,272.00	810,026.00	32° 8' 19.265 N	103° 27' 54.966 W