



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Osprey 10

#302H

OH

Plan: Plan #0.2

Standard Planning Report

07 November, 2019



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #302H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3360.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3360.0usft
Site:	Osprey 10	North Reference:	Grid
Well:	#302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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:		Northings:	415,148.00 usft	Latitude:	32° 8' 18.083 N
From:	Map	Eastings:	809,711.00 usft	Longitude:	103° 27' 58.640 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46

Well:	#302H					
Well Position	+N-S	4.0 usft	Northings:	415,152.00 usft	Latitude:	32° 8' 17.988 N
	+E-W	1,886.0 usft	Eastings:	811,397.00 usft	Longitude:	103° 27' 39.033 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,335.0 usft

Wellbore:	OH
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/9/2018	6.74	59.98	47,755.82521022

Design:	Plan #0.2			
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	4.16

Plan Survey Tool Program		Date: 11/7/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,932.3	Plan #0.2 (OH)	MWD
OWSG MWD - Standard				

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,274.8	5.50	103.52	1,274.4	-3.1	12.8	2.00	2.00	0.00	103.52	
7,518.8	5.50	103.52	7,489.6	-142.8	594.2	0.00	0.00	0.00	0.00	
7,793.5	0.00	0.00	7,764.0	-146.0	607.0	2.00	-2.00	0.00	180.00	
9,893.5	0.00	0.00	9,864.0	-146.0	607.0	0.00	0.00	0.00	0.00	KOP (Osprey 10 #302)
10,643.5	90.00	359.61	10,341.5	331.5	603.7	12.00	12.00	-0.05	359.61	
17,932.3	90.00	359.61	10,341.5	7,620.0	554.0	0.00	0.00	0.00	0.00	PBHL (Osprey 10 #30)



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Site:	Osprey 10	North Reference:	Grid
Well:	#302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	2.00	103.52	1,100.0	-0.4	1.7	-0.3	2.00	2.00	0.00
1,200.0	4.00	103.52	1,199.8	-1.6	6.8	-1.1	2.00	2.00	0.00
1,274.8	5.50	103.52	1,274.4	-3.1	12.8	-2.1	2.00	2.00	0.00
1,300.0	5.50	103.52	1,299.5	-3.6	15.2	-2.5	0.00	0.00	0.00
1,400.0	5.50	103.52	1,399.0	-5.9	24.5	-4.1	0.00	0.00	0.00
1,500.0	5.50	103.52	1,498.5	-8.1	33.8	-5.7	0.00	0.00	0.00
1,600.0	5.50	103.52	1,598.1	-10.4	43.1	-7.2	0.00	0.00	0.00
1,700.0	5.50	103.52	1,697.6	-12.8	52.4	-8.8	0.00	0.00	0.00
1,800.0	5.50	103.52	1,797.2	-14.8	61.7	-10.3	0.00	0.00	0.00
1,900.0	5.50	103.52	1,896.7	-17.1	71.0	-11.9	0.00	0.00	0.00
2,000.0	5.50	103.52	1,996.2	-19.3	80.3	-13.4	0.00	0.00	0.00
2,100.0	5.50	103.52	2,095.8	-21.6	89.6	-15.0	0.00	0.00	0.00
2,200.0	5.50	103.52	2,195.3	-23.8	99.0	-16.6	0.00	0.00	0.00
2,300.0	5.50	103.52	2,294.9	-26.0	108.3	-18.1	0.00	0.00	0.00
2,400.0	5.50	103.52	2,394.4	-28.3	117.6	-19.7	0.00	0.00	0.00
2,500.0	5.50	103.52	2,493.9	-30.5	126.9	-21.2	0.00	0.00	0.00
2,600.0	5.50	103.52	2,593.5	-32.8	136.2	-22.8	0.00	0.00	0.00
2,700.0	5.50	103.52	2,693.0	-35.0	145.5	-24.4	0.00	0.00	0.00
2,800.0	5.50	103.52	2,792.6	-37.2	154.8	-25.9	0.00	0.00	0.00
2,900.0	5.50	103.52	2,892.1	-39.5	164.1	-27.5	0.00	0.00	0.00
3,000.0	5.50	103.52	2,991.6	-41.7	173.4	-29.0	0.00	0.00	0.00
3,100.0	5.50	103.52	3,091.2	-44.0	182.8	-30.6	0.00	0.00	0.00
3,200.0	5.50	103.52	3,190.7	-46.2	192.1	-32.1	0.00	0.00	0.00
3,300.0	5.50	103.52	3,290.3	-48.4	201.4	-33.7	0.00	0.00	0.00
3,400.0	5.50	103.52	3,389.8	-50.7	210.7	-35.3	0.00	0.00	0.00
3,500.0	5.50	103.52	3,489.4	-52.9	220.0	-36.8	0.00	0.00	0.00
3,600.0	5.50	103.52	3,588.9	-55.2	229.3	-38.4	0.00	0.00	0.00
3,700.0	5.50	103.52	3,688.4	-57.4	238.6	-39.9	0.00	0.00	0.00
3,800.0	5.50	103.52	3,788.0	-59.6	247.9	-41.5	0.00	0.00	0.00
3,900.0	5.50	103.52	3,887.5	-61.9	257.2	-43.1	0.00	0.00	0.00
4,000.0	5.50	103.52	3,987.1	-64.1	266.6	-44.6	0.00	0.00	0.00
4,100.0	5.50	103.52	4,086.6	-66.4	275.9	-46.2	0.00	0.00	0.00
4,200.0	5.50	103.52	4,186.1	-68.6	285.2	-47.7	0.00	0.00	0.00
4,300.0	5.50	103.52	4,285.7	-70.8	294.5	-49.3	0.00	0.00	0.00
4,400.0	5.50	103.52	4,385.2	-73.1	303.8	-50.9	0.00	0.00	0.00
4,500.0	5.50	103.52	4,484.8	-75.3	313.1	-52.4	0.00	0.00	0.00
4,600.0	5.50	103.52	4,584.3	-77.6	322.4	-54.0	0.00	0.00	0.00
4,700.0	5.50	103.52	4,683.8	-79.8	331.7	-55.5	0.00	0.00	0.00
4,800.0	5.50	103.52	4,783.4	-82.0	341.0	-57.1	0.00	0.00	0.00
4,900.0	5.50	103.52	4,882.9	-84.3	350.4	-58.6	0.00	0.00	0.00
5,000.0	5.50	103.52	4,982.5	-86.5	359.7	-60.2	0.00	0.00	0.00
5,100.0	5.50	103.52	5,082.0	-88.7	369.0	-61.8	0.00	0.00	0.00
5,200.0	5.50	103.52	5,181.5	-91.0	378.3	-63.3	0.00	0.00	0.00



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Wellbore:	OH		
Design:	Plan #0.2		

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	5.50	103.52	5,281.1	-83.2	387.8	-64.9	0.00	0.00	0.00
5,400.0	5.50	103.52	5,380.6	-95.5	396.9	-68.4	0.00	0.00	0.00
5,500.0	5.50	103.52	5,480.2	-97.7	406.2	-68.0	0.00	0.00	0.00
5,600.0	5.50	103.52	5,579.7	-99.9	415.5	-69.6	0.00	0.00	0.00
5,700.0	5.50	103.52	5,679.2	-102.2	424.8	-71.1	0.00	0.00	0.00
5,800.0	5.50	103.52	5,778.8	-104.4	434.2	-72.7	0.00	0.00	0.00
5,900.0	5.50	103.52	5,878.3	-106.7	443.5	-74.2	0.00	0.00	0.00
6,000.0	5.50	103.52	5,977.9	-108.9	452.8	-75.8	0.00	0.00	0.00
6,100.0	5.50	103.52	6,077.4	-111.1	462.1	-77.3	0.00	0.00	0.00
6,200.0	5.50	103.52	6,176.9	-113.4	471.4	-78.9	0.00	0.00	0.00
6,300.0	5.50	103.52	6,276.5	-115.6	480.7	-80.5	0.00	0.00	0.00
6,400.0	5.50	103.52	6,376.0	-117.9	490.0	-82.0	0.00	0.00	0.00
6,500.0	5.50	103.52	6,475.6	-120.1	499.3	-83.6	0.00	0.00	0.00
6,600.0	5.50	103.52	6,575.1	-122.3	508.6	-85.1	0.00	0.00	0.00
6,700.0	5.50	103.52	6,674.6	-124.6	518.0	-86.7	0.00	0.00	0.00
6,800.0	5.50	103.52	6,774.2	-126.8	527.3	-88.3	0.00	0.00	0.00
6,900.0	5.50	103.52	6,873.7	-129.1	536.6	-89.8	0.00	0.00	0.00
7,000.0	5.50	103.52	6,973.3	-131.3	545.9	-91.4	0.00	0.00	0.00
7,100.0	5.50	103.52	7,072.8	-133.5	555.2	-92.9	0.00	0.00	0.00
7,200.0	5.50	103.52	7,172.3	-135.8	564.5	-94.5	0.00	0.00	0.00
7,300.0	5.50	103.52	7,271.9	-138.0	573.8	-96.0	0.00	0.00	0.00
7,400.0	5.50	103.52	7,371.4	-140.3	583.1	-97.6	0.00	0.00	0.00
7,500.0	5.50	103.52	7,471.0	-142.5	592.5	-99.2	0.00	0.00	0.00
7,518.8	5.50	103.52	7,489.6	-142.9	594.2	-99.5	0.00	0.00	0.00
7,600.0	3.87	103.52	7,570.8	-144.5	600.6	-100.5	2.00	-2.00	0.00
7,700.0	1.87	103.52	7,670.5	-145.6	605.5	-101.4	2.00	-2.00	0.00
7,793.5	0.00	0.00	7,764.0	-146.0	607.0	-101.6	2.00	-2.00	0.00
7,800.0	0.00	0.00	7,770.5	-146.0	607.0	-101.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,870.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,970.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,070.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,170.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,270.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,370.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,470.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,570.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,670.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,770.5	-146.0	607.0	-101.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,870.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,970.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,070.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,170.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,270.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,370.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,470.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,570.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,670.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,770.5	-146.0	607.0	-101.6	0.00	0.00	0.00
9,893.5	0.00	0.00	9,864.0	-146.0	607.0	-101.6	0.00	0.00	0.00
9,900.0	0.77	359.61	9,870.5	-146.0	607.0	-101.6	12.00	12.00	0.00
9,925.0	3.77	359.61	9,895.4	-145.0	607.0	-100.6	12.00	12.00	0.00
9,950.0	6.77	359.61	9,920.3	-142.7	607.0	-98.3	12.00	12.00	0.00
9,975.0	9.77	359.61	9,945.1	-139.1	607.0	-94.7	12.00	12.00	0.00
10,000.0	12.77	359.61	9,969.6	-134.2	606.9	-89.8	12.00	12.00	0.00



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Site:	Osprey 10	North Reference:	Grid
Well:	#302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
10,025.0	15.77	359.61	9,993.8	-128.0	606.9	-83.7	12.00	12.00	0.00
10,050.0	18.77	359.61	10,017.7	-120.6	606.8	-76.3	12.00	12.00	0.00
10,075.0	21.77	359.61	10,041.1	-111.8	606.8	-67.6	12.00	12.00	0.00
10,100.0	24.77	359.61	10,064.1	-102.1	606.7	-57.8	12.00	12.00	0.00
10,125.0	27.77	359.61	10,086.5	-91.0	606.6	-46.8	12.00	12.00	0.00
10,150.0	30.77	359.61	10,108.3	-78.8	606.5	-34.6	12.00	12.00	0.00
10,175.0	33.77	359.61	10,129.4	-65.4	606.5	-21.3	12.00	12.00	0.00
10,200.0	36.77	359.61	10,149.8	-51.0	606.4	-6.9	12.00	12.00	0.00
10,225.0	39.77	359.61	10,169.5	-35.5	606.2	8.6	12.00	12.00	0.00
10,250.0	42.77	359.61	10,188.3	-19.0	606.1	25.0	12.00	12.00	0.00
10,275.0	45.77	359.61	10,206.2	-1.6	606.0	42.4	12.00	12.00	0.00
10,300.0	48.77	359.61	10,223.1	16.8	605.9	60.7	12.00	12.00	0.00
10,325.0	51.77	359.61	10,239.1	36.0	605.8	79.9	12.00	12.00	0.00
10,350.0	54.77	359.61	10,254.0	56.1	605.6	99.8	12.00	12.00	0.00
10,375.0	57.77	359.61	10,267.9	76.8	605.5	120.6	12.00	12.00	0.00
10,400.0	60.77	359.61	10,280.7	98.3	605.3	142.0	12.00	12.00	0.00
10,425.0	63.77	359.61	10,292.3	120.5	605.2	164.0	12.00	12.00	0.00
10,450.0	66.77	359.61	10,302.8	143.2	605.0	186.7	12.00	12.00	0.00
10,475.0	69.77	359.61	10,312.0	166.4	604.9	209.8	12.00	12.00	0.00
10,500.0	72.77	359.61	10,320.0	190.1	604.7	233.4	12.00	12.00	0.00
10,525.0	75.77	359.61	10,326.8	214.1	604.5	257.4	12.00	12.00	0.00
10,550.0	78.77	359.61	10,332.3	238.5	604.4	281.7	12.00	12.00	0.00
10,575.0	81.77	359.61	10,336.6	263.1	604.2	306.3	12.00	12.00	0.00
10,600.0	84.77	359.61	10,339.5	288.0	604.0	331.0	12.00	12.00	0.00
10,625.0	87.77	359.61	10,341.1	312.9	603.9	355.9	12.00	12.00	0.00
10,643.5	90.00	359.61	10,341.5	331.5	603.7	374.4	12.00	12.00	0.00
10,700.0	90.00	359.61	10,341.5	387.9	603.4	430.6	0.00	0.00	0.00
10,800.0	90.00	359.61	10,341.5	487.9	602.7	530.3	0.00	0.00	0.00
10,900.0	90.00	359.61	10,341.5	587.9	602.0	630.0	0.00	0.00	0.00
11,000.0	90.00	359.61	10,341.5	687.9	601.3	729.7	0.00	0.00	0.00
11,100.0	90.00	359.61	10,341.5	787.9	600.6	829.4	0.00	0.00	0.00
11,200.0	90.00	359.61	10,341.5	887.9	599.9	929.1	0.00	0.00	0.00
11,300.0	90.00	359.61	10,341.5	987.9	599.3	1,028.7	0.00	0.00	0.00
11,400.0	90.00	359.61	10,341.5	1,087.9	598.6	1,128.4	0.00	0.00	0.00
11,500.0	90.00	359.61	10,341.5	1,187.9	597.9	1,228.1	0.00	0.00	0.00
11,600.0	90.00	359.61	10,341.5	1,287.9	597.2	1,327.8	0.00	0.00	0.00
11,700.0	90.00	359.61	10,341.5	1,387.9	596.5	1,427.5	0.00	0.00	0.00
11,800.0	90.00	359.61	10,341.5	1,487.9	595.8	1,527.2	0.00	0.00	0.00
11,900.0	90.00	359.61	10,341.5	1,587.9	595.2	1,626.9	0.00	0.00	0.00
12,000.0	90.00	359.61	10,341.5	1,687.9	594.5	1,726.5	0.00	0.00	0.00
12,100.0	90.00	359.61	10,341.5	1,787.9	593.8	1,826.2	0.00	0.00	0.00
12,200.0	90.00	359.61	10,341.5	1,887.9	593.1	1,925.9	0.00	0.00	0.00
12,300.0	90.00	359.61	10,341.5	1,987.9	592.4	2,025.6	0.00	0.00	0.00
12,400.0	90.00	359.61	10,341.5	2,087.9	591.8	2,125.3	0.00	0.00	0.00
12,500.0	90.00	359.61	10,341.5	2,187.9	591.1	2,225.0	0.00	0.00	0.00
12,600.0	90.00	359.61	10,341.5	2,287.9	590.4	2,324.7	0.00	0.00	0.00
12,700.0	90.00	359.61	10,341.5	2,387.9	589.7	2,424.3	0.00	0.00	0.00
12,800.0	90.00	359.61	10,341.5	2,487.9	589.0	2,524.0	0.00	0.00	0.00
12,900.0	90.00	359.61	10,341.5	2,587.9	588.3	2,623.7	0.00	0.00	0.00
13,000.0	90.00	359.61	10,341.5	2,687.9	587.7	2,723.4	0.00	0.00	0.00
13,100.0	90.00	359.61	10,341.5	2,787.9	587.0	2,823.1	0.00	0.00	0.00
13,200.0	90.00	359.61	10,341.5	2,887.9	586.3	2,922.8	0.00	0.00	0.00
13,300.0	90.00	359.61	10,341.5	2,987.8	585.6	3,022.4	0.00	0.00	0.00
13,400.0	90.00	359.61	10,341.5	3,087.8	584.9	3,122.1	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #302H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3360.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3360.0usft
Site:	Osprey 10	North Reference:	Grid:
Well:	#302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)	
13,500.0	90.00	359.61	10,341.5	3,187.8	584.2	3,221.8	0.00	0.00	0.00	
13,600.0	90.00	359.61	10,341.5	3,287.8	583.8	3,321.5	0.00	0.00	0.00	
13,700.0	90.00	359.61	10,341.5	3,387.8	582.9	3,421.2	0.00	0.00	0.00	
13,800.0	90.00	359.61	10,341.5	3,487.8	582.2	3,520.9	0.00	0.00	0.00	
13,900.0	90.00	359.61	10,341.5	3,587.8	581.5	3,620.6	0.00	0.00	0.00	
14,000.0	90.00	359.61	10,341.5	3,687.8	580.8	3,720.2	0.00	0.00	0.00	
14,100.0	90.00	359.61	10,341.5	3,787.8	580.2	3,819.9	0.00	0.00	0.00	
14,200.0	90.00	359.61	10,341.5	3,887.8	579.5	3,919.6	0.00	0.00	0.00	
14,300.0	90.00	359.61	10,341.5	3,987.8	578.8	4,019.3	0.00	0.00	0.00	
14,400.0	90.00	359.61	10,341.5	4,087.8	578.1	4,119.0	0.00	0.00	0.00	
14,500.0	90.00	359.61	10,341.5	4,187.8	577.4	4,218.7	0.00	0.00	0.00	
14,600.0	90.00	359.61	10,341.5	4,287.8	576.7	4,318.4	0.00	0.00	0.00	
14,700.0	90.00	359.61	10,341.5	4,387.8	576.1	4,418.0	0.00	0.00	0.00	
14,800.0	90.00	359.61	10,341.5	4,487.8	575.4	4,517.7	0.00	0.00	0.00	
14,900.0	90.00	359.61	10,341.5	4,587.8	574.7	4,617.4	0.00	0.00	0.00	
15,000.0	90.00	359.61	10,341.5	4,687.8	574.0	4,717.1	0.00	0.00	0.00	
15,100.0	90.00	359.61	10,341.5	4,787.8	573.3	4,816.8	0.00	0.00	0.00	
15,200.0	90.00	359.61	10,341.5	4,887.8	572.6	4,916.5	0.00	0.00	0.00	
15,300.0	90.00	359.61	10,341.5	4,987.8	572.0	5,016.1	0.00	0.00	0.00	
15,400.0	90.00	359.61	10,341.5	5,087.8	571.3	5,115.8	0.00	0.00	0.00	
15,500.0	90.00	359.61	10,341.5	5,187.8	570.6	5,215.5	0.00	0.00	0.00	
15,600.0	90.00	359.61	10,341.5	5,287.8	569.9	5,315.2	0.00	0.00	0.00	
15,700.0	90.00	359.61	10,341.5	5,387.8	569.2	5,414.9	0.00	0.00	0.00	
15,800.0	90.00	359.61	10,341.5	5,487.8	568.6	5,514.6	0.00	0.00	0.00	
15,900.0	90.00	359.61	10,341.5	5,587.8	567.9	5,614.3	0.00	0.00	0.00	
16,000.0	90.00	359.61	10,341.5	5,687.8	567.2	5,713.9	0.00	0.00	0.00	
16,100.0	90.00	359.61	10,341.5	5,787.8	566.5	5,813.6	0.00	0.00	0.00	
16,200.0	90.00	359.61	10,341.5	5,887.8	565.8	5,913.3	0.00	0.00	0.00	
16,300.0	90.00	359.61	10,341.5	5,987.8	565.1	6,013.0	0.00	0.00	0.00	
16,400.0	90.00	359.61	10,341.5	6,087.8	564.5	6,112.7	0.00	0.00	0.00	
16,500.0	90.00	359.61	10,341.5	6,187.8	563.8	6,212.4	0.00	0.00	0.00	
16,600.0	90.00	359.61	10,341.5	6,287.8	563.1	6,312.1	0.00	0.00	0.00	
16,700.0	90.00	359.61	10,341.5	6,387.8	562.4	6,411.7	0.00	0.00	0.00	
16,800.0	90.00	359.61	10,341.5	6,487.8	561.7	6,511.4	0.00	0.00	0.00	
16,900.0	90.00	359.61	10,341.5	6,587.8	561.0	6,611.1	0.00	0.00	0.00	
17,000.0	90.00	359.61	10,341.5	6,687.8	560.4	6,710.8	0.00	0.00	0.00	
17,100.0	90.00	359.61	10,341.5	6,787.8	559.7	6,810.5	0.00	0.00	0.00	
17,200.0	90.00	359.61	10,341.5	6,887.8	559.0	6,910.2	0.00	0.00	0.00	
17,300.0	90.00	359.61	10,341.5	6,987.8	558.3	7,009.8	0.00	0.00	0.00	
17,400.0	90.00	359.61	10,341.5	7,087.8	557.6	7,109.5	0.00	0.00	0.00	
17,500.0	90.00	359.61	10,341.5	7,187.8	556.9	7,209.2	0.00	0.00	0.00	
17,600.0	90.00	359.61	10,341.5	7,287.7	556.3	7,308.9	0.00	0.00	0.00	
17,700.0	90.00	359.61	10,341.5	7,387.7	555.6	7,408.6	0.00	0.00	0.00	
17,800.0	90.00	359.61	10,341.5	7,487.7	554.9	7,508.3	0.00	0.00	0.00	
17,900.0	90.00	359.61	10,341.5	7,587.7	554.2	7,608.0	0.00	0.00	0.00	
17,932.3	90.00	359.61	10,341.5	7,620.0	554.0	7,640.1	0.00	0.00	0.00	



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #302H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3360.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3360.0usft
Site:	Osprey 10	North Reference:	Grid
Well:	#302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

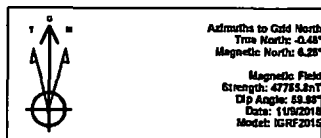
Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
									Latitude Longitude
KOP (Osprey 10 #302H)		0.00	0.00	9,864.0	-146.0	607.0	415,006.00	812,004.00	32° 8' 16.475 N 103° 27' 31.987 W
- plan hits target center									
- Point									
FTP (Osprey 10 #302H)		0.00	0.00	10,341.5	-96.0	607.0	415,056.00	812,004.00	32° 8' 16.970 N 103° 27' 31.983 W
- plan misses target center by 163.4usft at 10297.5usft MD (10221.4 TVD, 14.9 N, 605.9 E)									
- Point									
PBHL (Osprey 10 #302H)		0.00	0.00	10,341.5	7,620.0	554.0	422,772.00	811,951.00	32° 9' 33.324 N 103° 27' 31.870 W
- plan hits target center									
- Point									



Lea County, NM (NAD 83 NME)

Osprey 10 #302H

Plan #0.2



To convert a Magnetic Direction to a Grid Direction, Add 0.28°
 To convert a Magnetic Direction to a True Direction, Add 0.74° East
 To convert a True Direction to a Grid Direction, Subtract 0.48°

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: #302H

KB = 25 @ 3360.0usft 3335.0
 Northing Easting Latitude Longitude
 416162.00 811397.00 32° 0' 17.868 N 103° 27' 39.033 W

SECTION DETAILS

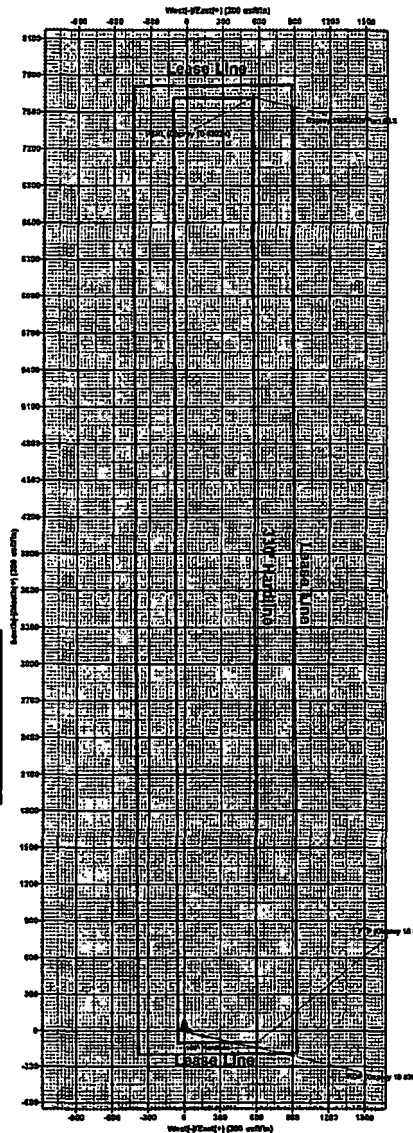
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1274.8	5.50	103.52	1274.4	-3.1	12.8	2.00	103.52	-2.1	
4	7618.8	5.50	103.52	7489.6	-142.9	594.2	0.00	0.00	-89.5	
5	7783.8	0.00	0.00	7764.0	-148.0	607.0	2.00	180.00	-101.6	
6	8883.5	0.00	0.00	8864.0	-148.0	607.0	0.00	0.00	-101.6	KOP (Osprey 10 #302H)
7	10843.5	90.00	359.61	10341.5	331.5	603.7	12.00	359.61	374.4	
8	17932.3	90.00	359.61	10341.5	7620.0	554.0	0.00	0.00	7640.1	PBHL (Osprey 10 #302H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP (Osprey 10 #302H)	8864.0	-148.0	607.0	416096.00	811994.00
PBHL (Osprey 10 #302H)	10341.5	7620.0	554.0	422773.00	811991.00
FTP (Osprey 10 #302H)	10341.5	-48.0	607.0	416096.00	812004.00



Produced by
 EOG Resources
 11/15/2016