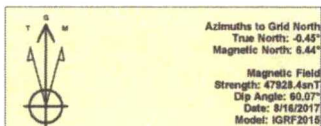




Lea County, NM (NAD 83 NME)

Jolly Roger 16 State #301H

Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 8.89° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

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: #301H

KB = 25' @ 3580.0usft 3585.0
Northing 445511.00 Easting 804489.00 Latitude 32° 13' 18.918 N Longitude 103° 28' 56.577 W

SECTION DETAILS

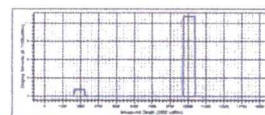
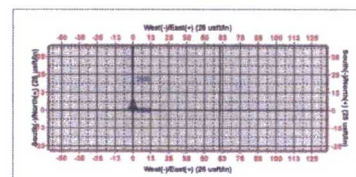
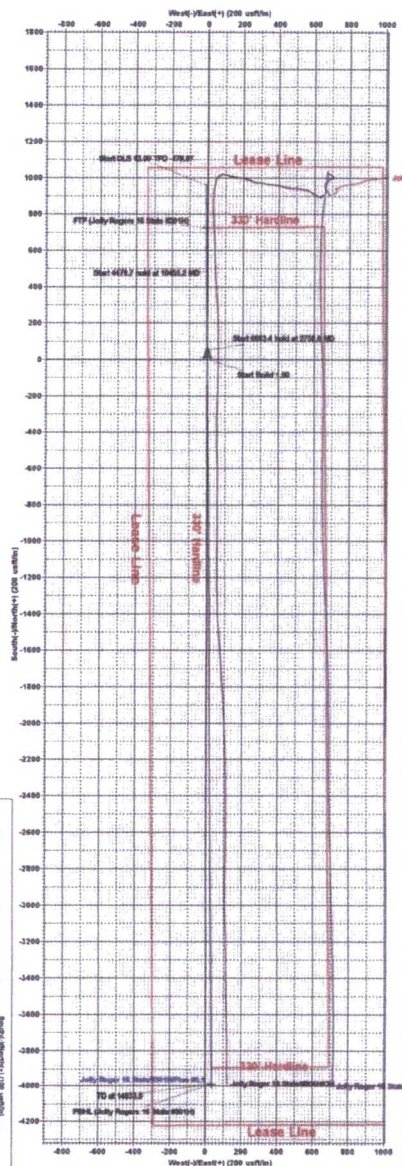
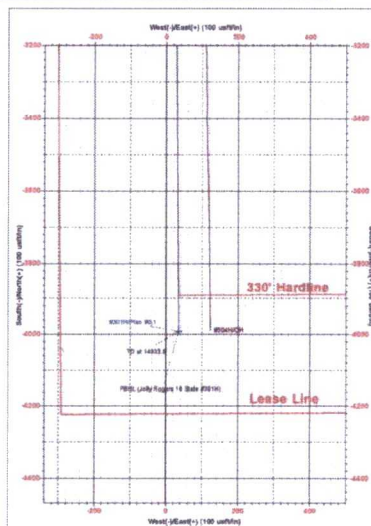
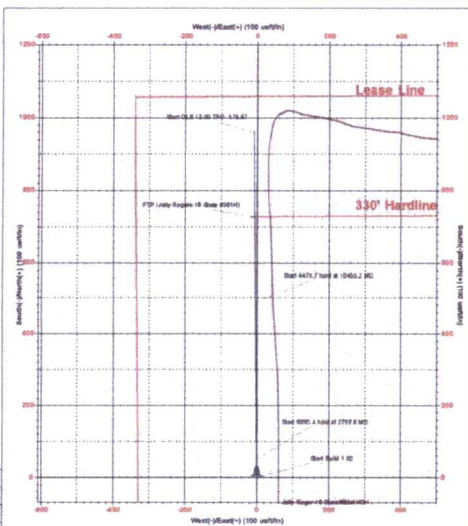
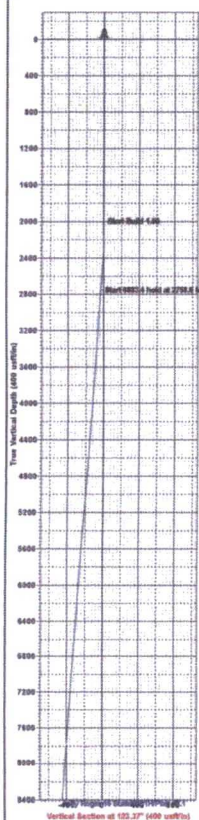
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2758.6	7.59	359.46	2756.4	50.1	-0.5	1.00	359.46	-50.1	
4	9642.0	7.59	359.46	9579.5	958.8	-9.0	0.00	0.00	-958.8	
5	10455.2	90.00	179.49	10120.0	485.5	-4.9	12.00	-179.97	-485.5	
6	14933.9	90.00	179.49	10120.0	-3993.0	35.0	0.00	0.00	3993.2	PBHL (Jolly Rogers 16 State #301H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
FTP (Jolly Rogers 16 State #301H)	10120.0	728.0	-7.0	446237.00	804482.00
PBHL (Jolly Rogers 16 State #301H)	10120.0	-3993.0	35.0	441618.00	804524.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Jolly Roger 16 State

#301H

OH

Plan: Plan #0.1

Standard Planning Report

16 August, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Jolly Roger 16 State
Well: #301H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3580.0usft
MD Reference: KB = 25' @ 3580.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project: Lea County, NM (NAD 83 NME)
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Site: Jolly Roger 16 State
Site Position: Northing: 445,511.00 usft Latitude: 32° 13' 18.918 N
From: Map Easting: 804,489.00 usft Longitude: 103° 28' 56.577 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.45 °

Well: #301H
Well Position: +N/-S 0.0 usft Northing: 445,511.00 usft Latitude: 32° 13' 18.918 N
+E/-W 0.0 usft Easting: 804,489.00 usft Longitude: 103° 28' 56.577 W
Position Uncertainty: 0.0 usft Wellhead Elevation: Ground Level: 3,555.0 usft

Wellbore: OH
Magnetics: Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
IGRF2015 8/16/2017 6.89 60.07 47,928.43998039

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 0.0 179.50

Plan Survey Tool Program Date 8/16/2017
Depth From (usft) Depth To (usft) Survey (Wellbore) Tool Name Remarks
1 0.0 14,933.9 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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,758.6	7.59	359.46	2,756.4	50.1	-0.5	1.00	1.00	0.00	359.46	
9,642.0	7.59	359.46	9,579.5	958.8	-9.0	0.00	0.00	0.00	0.00	
10,455.2	90.00	179.49	10,120.0	485.5	-4.9	12.00	10.13	-22.13	-179.97	
14,933.9	90.00	179.49	10,120.0	-3,993.0	35.0	0.00	0.00	0.00	0.00	PBHL (Jolly Rogers 1)



EOG Resources, Inc.
Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Jolly Roger 16 State
Well: #301H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3580.0usft
MD Reference: KB = 25' @ 3580.0usft
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)
0.0	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	1.00	359.46	2,100.0	0.9	0.0	-0.9	1.00	1.00	0.00
2,200.0	2.00	359.46	2,200.0	3.5	0.0	-3.5	1.00	1.00	0.00
2,300.0	3.00	359.46	2,299.9	7.9	-0.1	-7.9	1.00	1.00	0.00
2,400.0	4.00	359.46	2,399.7	14.0	-0.1	-14.0	1.00	1.00	0.00
2,500.0	5.00	359.46	2,499.4	21.8	-0.2	-21.8	1.00	1.00	0.00
2,600.0	6.00	359.46	2,598.9	31.4	-0.3	-31.4	1.00	1.00	0.00
2,700.0	7.00	359.46	2,698.3	42.7	-0.4	-42.7	1.00	1.00	0.00
2,758.6	7.59	359.46	2,756.4	50.1	-0.5	-50.1	1.00	1.00	0.00
2,800.0	7.59	359.46	2,797.4	55.6	-0.5	-55.6	0.00	0.00	0.00
2,900.0	7.59	359.46	2,896.5	68.8	-0.6	-68.8	0.00	0.00	0.00
3,000.0	7.59	359.46	2,995.7	82.0	-0.8	-82.0	0.00	0.00	0.00
3,100.0	7.59	359.46	3,094.8	95.2	-0.9	-95.2	0.00	0.00	0.00
3,200.0	7.59	359.46	3,193.9	108.4	-1.0	-108.4	0.00	0.00	0.00
3,300.0	7.59	359.46	3,293.0	121.6	-1.1	-121.6	0.00	0.00	0.00
3,400.0	7.59	359.46	3,392.2	134.8	-1.3	-134.8	0.00	0.00	0.00
3,500.0	7.59	359.46	3,491.3	148.0	-1.4	-148.0	0.00	0.00	0.00
3,600.0	7.59	359.46	3,590.4	161.2	-1.5	-161.2	0.00	0.00	0.00
3,700.0	7.59	359.46	3,689.5	174.4	-1.6	-174.4	0.00	0.00	0.00
3,800.0	7.59	359.46	3,788.7	187.6	-1.8	-187.6	0.00	0.00	0.00
3,900.0	7.59	359.46	3,887.8	200.8	-1.9	-200.8	0.00	0.00	0.00
4,000.0	7.59	359.46	3,986.9	214.0	-2.0	-214.0	0.00	0.00	0.00
4,100.0	7.59	359.46	4,086.0	227.2	-2.1	-227.2	0.00	0.00	0.00
4,200.0	7.59	359.46	4,185.2	240.4	-2.3	-240.4	0.00	0.00	0.00
4,300.0	7.59	359.46	4,284.3	253.6	-2.4	-253.6	0.00	0.00	0.00
4,400.0	7.59	359.46	4,383.4	266.8	-2.5	-266.8	0.00	0.00	0.00
4,500.0	7.59	359.46	4,482.5	280.0	-2.6	-280.0	0.00	0.00	0.00
4,600.0	7.59	359.46	4,581.7	293.2	-2.8	-293.2	0.00	0.00	0.00
4,700.0	7.59	359.46	4,680.8	306.4	-2.9	-306.4	0.00	0.00	0.00
4,800.0	7.59	359.46	4,779.9	319.6	-3.0	-319.6	0.00	0.00	0.00
4,900.0	7.59	359.46	4,879.0	332.8	-3.1	-332.8	0.00	0.00	0.00
5,000.0	7.59	359.46	4,978.2	346.0	-3.3	-346.0	0.00	0.00	0.00
5,100.0	7.59	359.46	5,077.3	359.2	-3.4	-359.2	0.00	0.00	0.00
5,200.0	7.59	359.46	5,176.4	372.4	-3.5	-372.4	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Jolly Roger 16 State
Well: #301H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #301H
KB = 25' @ 3580.0usft
KB = 25' @ 3580.0usft
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)
5,300.0	7.59	359.46	5,275.5	385.6	-3.6	-385.6	0.00	0.00	0.00
5,400.0	7.59	359.46	5,374.7	398.8	-3.8	-398.8	0.00	0.00	0.00
5,500.0	7.59	359.46	5,473.8	412.0	-3.9	-412.0	0.00	0.00	0.00
5,600.0	7.59	359.46	5,572.9	425.2	-4.0	-425.2	0.00	0.00	0.00
5,700.0	7.59	359.46	5,672.0	438.4	-4.1	-438.4	0.00	0.00	0.00
5,800.0	7.59	359.46	5,771.2	451.6	-4.3	-451.6	0.00	0.00	0.00
5,900.0	7.59	359.46	5,870.3	464.8	-4.4	-464.8	0.00	0.00	0.00
6,000.0	7.59	359.46	5,969.4	478.0	-4.5	-478.1	0.00	0.00	0.00
6,100.0	7.59	359.46	6,068.5	491.2	-4.6	-491.3	0.00	0.00	0.00
6,200.0	7.59	359.46	6,167.7	504.4	-4.8	-504.5	0.00	0.00	0.00
6,300.0	7.59	359.46	6,266.8	517.6	-4.9	-517.7	0.00	0.00	0.00
6,400.0	7.59	359.46	6,365.9	530.8	-5.0	-530.9	0.00	0.00	0.00
6,500.0	7.59	359.46	6,465.0	544.0	-5.1	-544.1	0.00	0.00	0.00
6,600.0	7.59	359.46	6,564.2	557.2	-5.3	-557.3	0.00	0.00	0.00
6,700.0	7.59	359.46	6,663.3	570.4	-5.4	-570.5	0.00	0.00	0.00
6,800.0	7.59	359.46	6,762.4	583.6	-5.5	-583.7	0.00	0.00	0.00
6,900.0	7.59	359.46	6,861.5	596.8	-5.6	-596.9	0.00	0.00	0.00
7,000.0	7.59	359.46	6,960.7	610.0	-5.8	-610.1	0.00	0.00	0.00
7,100.0	7.59	359.46	7,059.8	623.2	-5.9	-623.3	0.00	0.00	0.00
7,200.0	7.59	359.46	7,158.9	636.4	-6.0	-636.5	0.00	0.00	0.00
7,300.0	7.59	359.46	7,258.0	649.6	-6.1	-649.7	0.00	0.00	0.00
7,400.0	7.59	359.46	7,357.2	662.8	-6.2	-662.9	0.00	0.00	0.00
7,500.0	7.59	359.46	7,456.3	676.0	-6.4	-676.1	0.00	0.00	0.00
7,600.0	7.59	359.46	7,555.4	689.2	-6.5	-689.3	0.00	0.00	0.00
7,700.0	7.59	359.46	7,654.5	702.4	-6.6	-702.5	0.00	0.00	0.00
7,800.0	7.59	359.46	7,753.7	715.6	-6.7	-715.7	0.00	0.00	0.00
7,900.0	7.59	359.46	7,852.8	728.8	-6.9	-728.9	0.00	0.00	0.00
8,000.0	7.59	359.46	7,951.9	742.0	-7.0	-742.1	0.00	0.00	0.00
8,100.0	7.59	359.46	8,051.0	755.2	-7.1	-755.3	0.00	0.00	0.00
8,200.0	7.59	359.46	8,150.2	768.4	-7.2	-768.5	0.00	0.00	0.00
8,300.0	7.59	359.46	8,249.3	781.6	-7.4	-781.7	0.00	0.00	0.00
8,400.0	7.59	359.46	8,348.4	794.8	-7.5	-794.9	0.00	0.00	0.00
8,500.0	7.59	359.46	8,447.5	808.0	-7.6	-808.1	0.00	0.00	0.00
8,600.0	7.59	359.46	8,546.7	821.2	-7.7	-821.3	0.00	0.00	0.00
8,700.0	7.59	359.46	8,645.8	834.4	-7.9	-834.5	0.00	0.00	0.00
8,800.0	7.59	359.46	8,744.9	847.6	-8.0	-847.7	0.00	0.00	0.00
8,900.0	7.59	359.46	8,844.0	860.8	-8.1	-860.9	0.00	0.00	0.00
9,000.0	7.59	359.46	8,943.2	874.0	-8.2	-874.1	0.00	0.00	0.00
9,100.0	7.59	359.46	9,042.3	887.2	-8.4	-887.3	0.00	0.00	0.00
9,200.0	7.59	359.46	9,141.4	900.4	-8.5	-900.5	0.00	0.00	0.00
9,300.0	7.59	359.46	9,240.5	913.6	-8.6	-913.7	0.00	0.00	0.00
9,400.0	7.59	359.46	9,339.7	926.8	-8.7	-926.9	0.00	0.00	0.00
9,500.0	7.59	359.46	9,438.8	940.1	-8.9	-940.1	0.00	0.00	0.00
9,600.0	7.59	359.46	9,537.9	953.3	-9.0	-953.3	0.00	0.00	0.00
9,642.0	7.59	359.46	9,579.5	958.8	-9.0	-958.8	0.00	0.00	0.00
9,650.0	6.62	359.46	9,587.5	959.8	-9.0	-959.8	12.00	-12.00	-0.06
9,675.0	3.62	359.43	9,612.4	962.0	-9.1	-962.1	12.00	-12.00	-0.12
9,700.0	0.62	359.12	9,637.4	962.9	-9.1	-963.0	12.00	-12.00	-1.23
9,725.0	2.38	179.59	9,662.4	962.6	-9.1	-962.6	12.00	7.03	-718.13
9,750.0	5.38	179.53	9,687.3	960.9	-9.1	-960.9	12.00	12.00	-0.22
9,775.0	8.38	179.52	9,712.1	957.9	-9.0	-957.9	12.00	12.00	-0.06
9,800.0	11.38	179.51	9,736.7	953.6	-9.0	-953.6	12.00	12.00	-0.03
9,825.0	14.38	179.51	9,761.1	948.0	-9.0	-948.1	12.00	12.00	-0.02
9,850.0	17.38	179.50	9,785.1	941.2	-8.9	-941.2	12.00	12.00	-0.01



EOG Resources, Inc.

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Jolly Roger 16 State
Well: #301H
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Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3580.0usft
MD Reference: KB = 25' @ 3580.0usft
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)
9,875.0	20.38	179.50	9,808.8	933.1	-8.8	-933.1	12.00	12.00	-0.01
9,900.0	23.38	179.50	9,832.0	923.8	-8.7	-923.8	12.00	12.00	-0.01
9,925.0	26.38	179.50	9,854.7	913.3	-8.6	-913.3	12.00	12.00	0.00
9,950.0	29.38	179.50	9,876.8	901.6	-8.4	-901.6	12.00	12.00	0.00
9,975.0	32.38	179.50	9,898.2	888.7	-8.3	-888.8	12.00	12.00	0.00
10,000.0	35.38	179.50	9,919.0	874.8	-8.2	-874.8	12.00	12.00	0.00
10,025.0	38.38	179.50	9,939.0	859.8	-8.0	-859.8	12.00	12.00	0.00
10,050.0	41.38	179.49	9,958.2	843.8	-7.9	-843.8	12.00	12.00	0.00
10,075.0	44.38	179.49	9,976.5	826.8	-7.7	-826.8	12.00	12.00	0.00
10,100.0	47.38	179.49	9,993.9	808.8	-7.6	-808.9	12.00	12.00	0.00
10,125.0	50.38	179.49	10,010.3	790.0	-7.4	-790.0	12.00	12.00	0.00
10,150.0	53.38	179.49	10,025.7	770.3	-7.2	-770.4	12.00	12.00	0.00
10,175.0	56.38	179.49	10,040.1	749.9	-7.0	-749.9	12.00	12.00	0.00
10,200.0	59.38	179.49	10,053.4	728.7	-6.8	-728.7	12.00	12.00	0.00
10,225.0	62.38	179.49	10,065.6	706.9	-6.8	-706.9	12.00	12.00	0.00
10,231.8	63.19	179.49	10,068.7	700.8	-6.6	-700.9	12.00	12.00	0.00
FTP (Jolly Rogers 16 State #301H)									
10,250.0	65.38	179.49	10,076.6	684.4	-6.4	-684.5	12.00	12.00	0.00
10,275.0	68.38	179.49	10,086.4	661.4	-6.2	-661.5	12.00	12.00	0.00
10,300.0	71.38	179.49	10,095.0	638.0	-6.0	-638.0	12.00	12.00	0.00
10,325.0	74.38	179.49	10,102.4	614.1	-5.8	-614.1	12.00	12.00	0.00
10,350.0	77.38	179.49	10,108.5	589.8	-5.6	-589.9	12.00	12.00	0.00
10,375.0	80.38	179.49	10,113.3	565.3	-5.4	-565.3	12.00	12.00	0.00
10,400.0	83.38	179.49	10,116.8	540.6	-5.1	-540.6	12.00	12.00	0.00
10,425.0	86.38	179.49	10,119.0	515.7	-4.9	-515.7	12.00	12.00	0.00
10,450.0	89.38	179.49	10,120.0	490.7	-4.9	-490.7	12.00	12.00	0.00
10,455.2	90.00	179.49	10,120.0	485.5	-4.5	-485.5	12.00	12.00	0.00
10,500.0	90.00	179.49	10,120.0	440.7	-3.6	-440.7	0.00	0.00	0.00
10,600.0	90.00	179.49	10,120.0	340.7	-2.7	-340.7	0.00	0.00	0.00
10,700.0	90.00	179.49	10,120.0	240.7	-1.8	-240.7	0.00	0.00	0.00
10,800.0	90.00	179.49	10,120.0	140.7	-0.9	-140.7	0.00	0.00	0.00
10,900.0	90.00	179.49	10,120.0	40.7	0.0	-40.7	0.00	0.00	0.00
11,000.0	90.00	179.49	10,120.0	-59.3	0.9	59.3	0.00	0.00	0.00
11,100.0	90.00	179.49	10,120.0	-159.3	1.8	159.3	0.00	0.00	0.00
11,200.0	90.00	179.49	10,120.0	-259.3	2.7	259.3	0.00	0.00	0.00
11,300.0	90.00	179.49	10,120.0	-359.3	3.5	359.3	0.00	0.00	0.00
11,400.0	90.00	179.49	10,120.0	-459.3	4.4	459.3	0.00	0.00	0.00
11,500.0	90.00	179.49	10,120.0	-559.3	5.3	559.3	0.00	0.00	0.00
11,600.0	90.00	179.49	10,120.0	-659.3	6.2	659.3	0.00	0.00	0.00
11,700.0	90.00	179.49	10,120.0	-759.3	7.1	759.3	0.00	0.00	0.00
11,800.0	90.00	179.49	10,120.0	-859.2	8.0	859.3	0.00	0.00	0.00
11,900.0	90.00	179.49	10,120.0	-959.2	8.9	959.3	0.00	0.00	0.00
12,000.0	90.00	179.49	10,120.0	-1,059.2	9.8	1,059.3	0.00	0.00	0.00
12,100.0	90.00	179.49	10,120.0	-1,159.2	10.7	1,159.3	0.00	0.00	0.00
12,200.0	90.00	179.49	10,120.0	-1,259.2	11.6	1,259.3	0.00	0.00	0.00
12,300.0	90.00	179.49	10,120.0	-1,359.2	12.4	1,359.3	0.00	0.00	0.00
12,400.0	90.00	179.49	10,120.0	-1,459.2	13.3	1,459.3	0.00	0.00	0.00
12,500.0	90.00	179.49	10,120.0	-1,559.2	14.2	1,559.3	0.00	0.00	0.00
12,600.0	90.00	179.49	10,120.0	-1,659.2	15.1	1,659.3	0.00	0.00	0.00
12,700.0	90.00	179.49	10,120.0	-1,759.2	16.0	1,759.3	0.00	0.00	0.00
12,800.0	90.00	179.49	10,120.0	-1,859.2	16.9	1,859.3	0.00	0.00	0.00
12,900.0	90.00	179.49	10,120.0	-1,959.2	17.8	1,959.3	0.00	0.00	0.00
13,000.0	90.00	179.49	10,120.0	-2,059.2		2,059.3	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Jolly Roger 16 State
 Well: #301H
 Wellbore: OH
 Design: Plan #0.1

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

Well #301H
 KB = 25' @ 3580.0usft
 KB = 25' @ 3580.0usft
 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)
13,100.0	90.00	179.49	10,120.0	-2,159.2	18.7	2,159.3	0.00	0.00	0.00
13,200.0	90.00	179.49	10,120.0	-2,259.2	19.6	2,259.3	0.00	0.00	0.00
13,300.0	90.00	179.49	10,120.0	-2,359.2	20.5	2,359.3	0.00	0.00	0.00
13,400.0	90.00	179.49	10,120.0	-2,459.2	21.3	2,459.3	0.00	0.00	0.00
13,500.0	90.00	179.49	10,120.0	-2,559.2	22.2	2,559.3	0.00	0.00	0.00
13,600.0	90.00	179.49	10,120.0	-2,659.2	23.1	2,659.3	0.00	0.00	0.00
13,700.0	90.00	179.49	10,120.0	-2,759.2	24.0	2,759.3	0.00	0.00	0.00
13,800.0	90.00	179.49	10,120.0	-2,859.2	24.9	2,859.3	0.00	0.00	0.00
13,900.0	90.00	179.49	10,120.0	-2,959.2	25.8	2,959.3	0.00	0.00	0.00
14,000.0	90.00	179.49	10,120.0	-3,059.2	26.7	3,059.3	0.00	0.00	0.00
14,100.0	90.00	179.49	10,120.0	-3,159.2	27.6	3,159.3	0.00	0.00	0.00
14,200.0	90.00	179.49	10,120.0	-3,259.2	28.5	3,259.3	0.00	0.00	0.00
14,300.0	90.00	179.49	10,120.0	-3,359.1	29.4	3,359.3	0.00	0.00	0.00
14,400.0	90.00	179.49	10,120.0	-3,459.1	30.2	3,459.3	0.00	0.00	0.00
14,500.0	90.00	179.49	10,120.0	-3,559.1	31.1	3,559.3	0.00	0.00	0.00
14,600.0	90.00	179.49	10,120.0	-3,659.1	32.0	3,659.3	0.00	0.00	0.00
14,700.0	90.00	179.49	10,120.0	-3,759.1	32.9	3,759.3	0.00	0.00	0.00
14,800.0	90.00	179.49	10,120.0	-3,859.1	33.8	3,859.3	0.00	0.00	0.00
14,900.0	90.00	179.49	10,120.0	-3,959.1	34.7	3,959.3	0.00	0.00	0.00
14,933.9	90.00	179.49	10,120.0	-3,993.0	35.0	3,993.2	0.00	0.00	0.00

PBHL (Jolly Rogers 16 State #301H)

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 (Jolly Rogers 16 S - plan hits target center - Point	0.00	0.00	10,120.0	-3,993.0	35.0	441,518.00	804,524.00	32° 12' 39.405 N	103° 28' 56.537 W
FTP (Jolly Rogers 16 St - plan misses target center by 57.1usft at 10231.8usft MD (10068.7 TVD, 700.8 N, -6.8 E) - Point	0.00	0.00	10,120.0	726.0	-7.0	446,237.00	804,482.00	32° 13' 26.103 N	103° 28' 56.591 W