



Lea County, NM (NAD 83 NME)

Jolly Roger 16 State #303H

Plan #0.1



Azimuths to Grid North
True North: -0.48°
Magnetic North: 6.37°

Magnetic Field
Strength: 47867.5 nT
Dip Angle: 60.0°
Date: 3/27/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.37°
To convert a Magnetic Direction to a True Direction, Add 6.83° 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: #303H

3564.0

KB = 25 @ 3579.0usft
Northing 448415.00 Easting 805845.00 Latitude 32° 13' 27.757 N Longitude 103° 28' 40.709 W

SECTION DETAILS

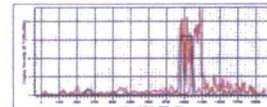
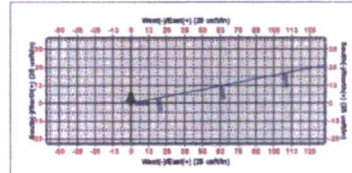
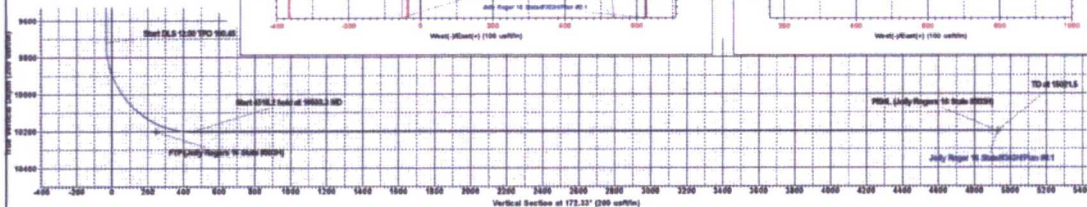
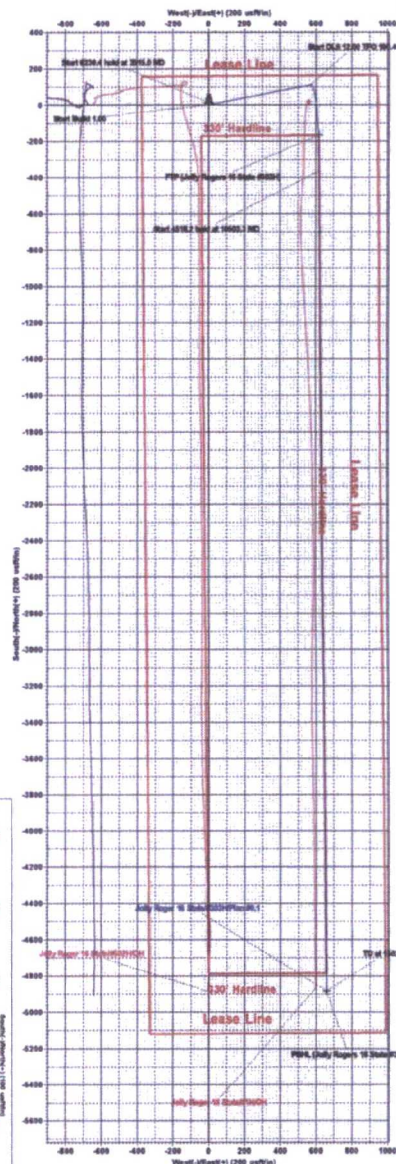
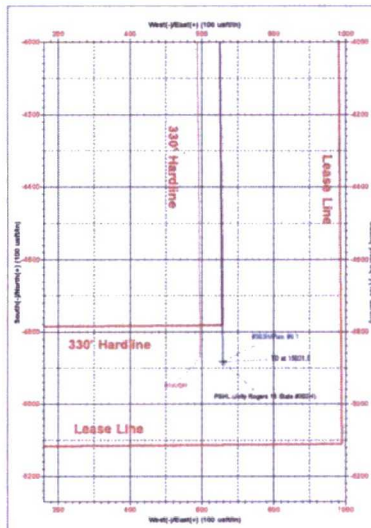
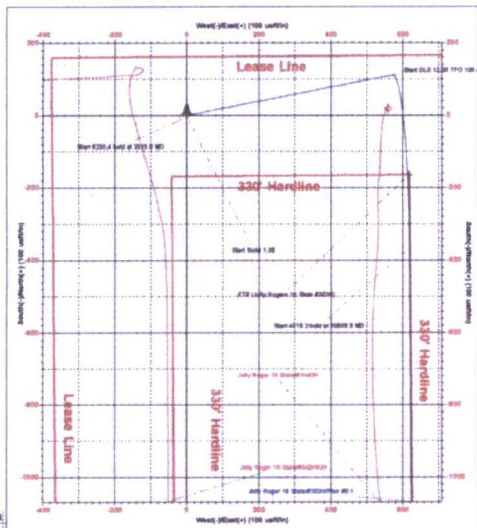
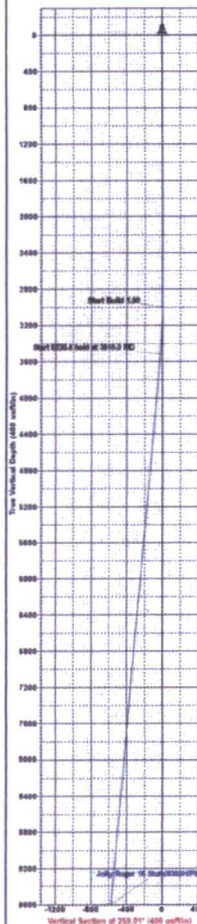
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3515.0	5.15	79.01	3514.3	4.4	22.7	1.00	79.01	-1.3	
4	9745.5	5.15	79.01	9719.6	111.0	571.8	0.00	0.00	-33.7	
5	10503.3	90.00	179.50	10203.0	-366.0	618.7	12.00	100.45	445.3	
6	15021.5	90.00	179.50	10203.0	-4884.0	658.0	0.00	0.00	4928.1	PBHL (Jolly Rogers 16 State #303H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PTP (Jolly Rogers 16 State #303H)	10203.0	-166.0	617.0	448248.00	806482.00
PBHL (Jolly Rogers 16 State #303H)	10203.0	-4884.0	658.0	441531.00	806503.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Jolly Roger 16 State

#303H

OH

Plan: Plan #0.1

Standard Planning Report

27 March, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #303H
Company:	EKG Resources - Midland	TVD Reference:	KB = 25 @ 3579.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3579.0usft
Site:	Jolly Roger 16 State	North Reference:	Grid
Well:	#303H	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	Jolly Roger 16 State		
Site Position:		Northing:	445,511.00 usft
From:	Map	Easting:	804,489.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 13' 18.918 N
		Longitude:	103° 28' 56.577 W
		Grid Convergence:	0.45 °

Well	#303H		
Well Position	+N/-S	904.0 usft	Northing: 446,415.00 usft
	+E/-W	1,356.0 usft	Easting: 805,845.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,554.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	3/27/2018	6.83
			Dip Angle (°)
			60.07
			Field Strength (nT)
			47,867.46135275

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)
	0.0	0.0	0.0
			Direction (°)
			172.33

Plan Survey Tool Program	Date 3/27/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	15,021.5 Plan #0.1 (OH)	MWD
			OWSG 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	
3,515.0	5.15	79.01	3,514.3	4.4	22.7	1.00	1.00	0.00	79.01	
9,745.5	5.15	79.01	9,719.6	111.0	571.8	0.00	0.00	0.00	0.00	
10,503.3	90.00	179.50	10,203.0	-366.0	618.7	12.00	11.20	13.26	100.45	
15,021.5	90.00	179.50	10,203.0	-4,884.0	658.0	0.00	0.00	0.00	0.00	PBHL (Jolly Rogers 1)



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Jolly Roger 16 State
Well: #303H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #303H
TVD Reference: KB = 25 @ 3579.0usft
MD Reference: KB = 25 @ 3579.0usft
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	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	79.01	3,100.0	0.2	0.9	-0.1	1.00	1.00	0.00
3,200.0	2.00	79.01	3,200.0	0.7	3.4	-0.2	1.00	1.00	0.00
3,300.0	3.00	79.01	3,299.9	1.5	7.7	-0.5	1.00	1.00	0.00
3,400.0	4.00	79.01	3,399.7	2.7	13.7	-0.8	1.00	1.00	0.00
3,500.0	5.00	79.01	3,499.4	4.2	21.4	-1.3	1.00	1.00	0.00
3,515.0	5.15	79.01	3,514.3	4.4	22.7	-1.3	1.00	1.00	0.00
3,600.0	5.15	79.01	3,599.0	5.9	30.2	-1.8	0.00	0.00	0.00
3,700.0	5.15	79.01	3,698.6	7.6	39.0	-2.3	0.00	0.00	0.00
3,800.0	5.15	79.01	3,798.2	9.3	47.8	-2.8	0.00	0.00	0.00
3,900.0	5.15	79.01	3,897.8	11.0	56.6	-3.3	0.00	0.00	0.00
4,000.0	5.15	79.01	3,997.3	12.7	65.4	-3.9	0.00	0.00	0.00
4,100.0	5.15	79.01	4,096.9	14.4	74.3	-4.4	0.00	0.00	0.00
4,200.0	5.15	79.01	4,196.5	16.1	83.1	-4.9	0.00	0.00	0.00
4,300.0	5.15	79.01	4,296.1	17.8	91.9	-5.4	0.00	0.00	0.00
4,400.0	5.15	79.01	4,395.7	19.6	100.7	-5.9	0.00	0.00	0.00
4,500.0	5.15	79.01	4,495.3	21.3	109.5	-6.5	0.00	0.00	0.00
4,600.0	5.15	79.01	4,594.9	23.0	118.3	-7.0	0.00	0.00	0.00
4,700.0	5.15	79.01	4,694.5	24.7	127.1	-7.5	0.00	0.00	0.00
4,800.0	5.15	79.01	4,794.1	26.4	135.9	-8.0	0.00	0.00	0.00
4,900.0	5.15	79.01	4,893.7	28.1	144.8	-8.5	0.00	0.00	0.00
5,000.0	5.15	79.01	4,993.3	29.8	153.6	-9.1	0.00	0.00	0.00
5,100.0	5.15	79.01	5,092.9	31.5	162.4	-9.6	0.00	0.00	0.00
5,200.0	5.15	79.01	5,192.5	33.2	171.2	-10.1	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #303H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3579.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3579.0usft
Site:	Jolly Roger 16 State	North Reference:	Grid
Well:	#303H	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	5.15	79.01	5,292.1	35.0	180.0	-10.6	0.00	0.00	0.00
5,400.0	5.15	79.01	5,391.7	36.7	188.8	-11.1	0.00	0.00	0.00
5,500.0	5.15	79.01	5,491.3	38.4	197.6	-11.7	0.00	0.00	0.00
5,600.0	5.15	79.01	5,590.9	40.1	206.4	-12.2	0.00	0.00	0.00
5,700.0	5.15	79.01	5,690.5	41.8	215.3	-12.7	0.00	0.00	0.00
5,800.0	5.15	79.01	5,790.1	43.5	224.1	-13.2	0.00	0.00	0.00
5,900.0	5.15	79.01	5,889.7	45.2	232.9	-13.7	0.00	0.00	0.00
6,000.0	5.15	79.01	5,989.3	46.9	241.7	-14.2	0.00	0.00	0.00
6,100.0	5.15	79.01	6,088.9	48.7	250.5	-14.8	0.00	0.00	0.00
6,200.0	5.15	79.01	6,188.5	50.4	259.3	-15.3	0.00	0.00	0.00
6,300.0	5.15	79.01	6,288.1	52.1	268.1	-15.8	0.00	0.00	0.00
6,400.0	5.15	79.01	6,387.7	53.8	276.9	-16.3	0.00	0.00	0.00
6,500.0	5.15	79.01	6,487.3	55.5	285.8	-16.8	0.00	0.00	0.00
6,600.0	5.15	79.01	6,586.9	57.2	294.6	-17.4	0.00	0.00	0.00
6,700.0	5.15	79.01	6,686.4	58.9	303.4	-17.9	0.00	0.00	0.00
6,800.0	5.15	79.01	6,786.0	60.6	312.2	-18.4	0.00	0.00	0.00
6,900.0	5.15	79.01	6,885.6	62.3	321.0	-18.9	0.00	0.00	0.00
7,000.0	5.15	79.01	6,985.2	64.1	329.8	-19.4	0.00	0.00	0.00
7,100.0	5.15	79.01	7,084.8	65.8	338.6	-20.0	0.00	0.00	0.00
7,200.0	5.15	79.01	7,184.4	67.5	347.4	-20.5	0.00	0.00	0.00
7,300.0	5.15	79.01	7,284.0	69.2	356.2	-21.0	0.00	0.00	0.00
7,400.0	5.15	79.01	7,383.6	70.9	365.1	-21.5	0.00	0.00	0.00
7,500.0	5.15	79.01	7,483.2	72.6	373.9	-22.0	0.00	0.00	0.00
7,600.0	5.15	79.01	7,582.8	74.3	382.7	-22.6	0.00	0.00	0.00
7,700.0	5.15	79.01	7,682.4	76.0	391.5	-23.1	0.00	0.00	0.00
7,800.0	5.15	79.01	7,782.0	77.7	400.3	-23.6	0.00	0.00	0.00
7,900.0	5.15	79.01	7,881.6	79.5	409.1	-24.1	0.00	0.00	0.00
8,000.0	5.15	79.01	7,981.2	81.2	417.9	-24.6	0.00	0.00	0.00
8,100.0	5.15	79.01	8,080.8	82.9	426.7	-25.2	0.00	0.00	0.00
8,200.0	5.15	79.01	8,180.4	84.6	435.6	-25.7	0.00	0.00	0.00
8,300.0	5.15	79.01	8,280.0	86.3	444.4	-26.2	0.00	0.00	0.00
8,400.0	5.15	79.01	8,379.6	88.0	453.2	-26.7	0.00	0.00	0.00
8,500.0	5.15	79.01	8,479.2	89.7	462.0	-27.2	0.00	0.00	0.00
8,600.0	5.15	79.01	8,578.8	91.4	470.8	-27.8	0.00	0.00	0.00
8,700.0	5.15	79.01	8,678.4	93.1	479.6	-28.3	0.00	0.00	0.00
8,800.0	5.15	79.01	8,778.0	94.9	488.4	-28.8	0.00	0.00	0.00
8,900.0	5.15	79.01	8,877.6	96.6	497.2	-29.3	0.00	0.00	0.00
9,000.0	5.15	79.01	8,977.2	98.3	506.1	-29.8	0.00	0.00	0.00
9,100.0	5.15	79.01	9,076.8	100.0	514.9	-30.4	0.00	0.00	0.00
9,200.0	5.15	79.01	9,176.4	101.7	523.7	-30.9	0.00	0.00	0.00
9,300.0	5.15	79.01	9,276.0	103.4	532.5	-31.4	0.00	0.00	0.00
9,400.0	5.15	79.01	9,375.5	105.1	541.3	-31.9	0.00	0.00	0.00
9,500.0	5.15	79.01	9,475.1	106.8	550.1	-32.4	0.00	0.00	0.00
9,600.0	5.15	79.01	9,574.7	108.6	558.9	-33.0	0.00	0.00	0.00
9,700.0	5.15	79.01	9,674.3	110.3	567.7	-33.5	0.00	0.00	0.00
9,745.5	5.15	79.01	9,719.6	111.0	571.8	-33.7	0.00	0.00	0.00
9,750.0	5.08	85.05	9,724.1	111.1	572.2	-33.7	12.00	-1.56	133.52
9,775.0	5.69	116.78	9,749.0	110.6	574.4	-33.0	12.00	2.46	126.91
9,800.0	7.55	137.54	9,773.9	108.9	576.6	-30.9	12.00	7.42	83.02
9,825.0	9.98	149.25	9,798.6	105.8	578.8	-27.6	12.00	9.71	46.84
9,850.0	12.65	156.24	9,823.1	101.4	581.0	-22.9	12.00	10.69	27.98
9,875.0	15.44	160.79	9,847.3	95.8	583.2	-17.0	12.00	11.17	18.18
9,900.0	18.30	163.96	9,871.3	88.9	585.4	-9.9	12.00	11.43	12.67
9,925.0	21.19	166.29	9,894.8	80.7	587.5	-1.5	12.00	11.58	9.33



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Jolly Roger 16 State
 Well: #303H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #303H
 TVD Reference: KB = 25 @ 3579.0usft
 MD Reference: KB = 25 @ 3579.0usft
 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)
9,950.0	24.11	168.08	9,917.9	71.3	589.7	8.1	12.00	11.68	7.17
9,975.0	27.05	169.51	9,940.4	60.7	591.8	18.8	12.00	11.75	5.70
10,000.0	30.00	170.67	9,962.4	49.0	593.8	30.8	12.00	11.79	4.66
10,025.0	32.95	171.64	9,983.7	36.1	595.8	43.8	12.00	11.83	3.89
10,050.0	35.92	172.47	10,004.3	22.1	597.8	58.0	12.00	11.85	3.32
10,075.0	38.89	173.19	10,024.2	7.0	599.6	73.1	12.00	11.87	2.88
10,100.0	41.86	173.83	10,043.2	-9.1	601.5	89.3	12.00	11.89	2.53
10,125.0	44.83	174.39	10,061.4	-26.2	603.2	106.5	12.00	11.90	2.25
10,150.0	47.81	174.89	10,078.6	-44.2	604.9	124.5	12.00	11.91	2.03
10,175.0	50.79	175.36	10,094.9	-63.0	606.5	143.5	12.00	11.92	1.84
10,200.0	53.77	175.78	10,110.2	-82.8	608.1	163.2	12.00	11.92	1.69
10,225.0	56.75	176.17	10,124.5	-103.3	609.5	183.7	12.00	11.93	1.57
10,250.0	59.74	176.54	10,137.6	-124.5	610.8	204.9	12.00	11.94	1.47
10,275.0	62.72	176.88	10,149.7	-146.3	612.1	226.8	12.00	11.94	1.38
10,300.0	65.71	177.21	10,160.5	-168.8	613.3	249.2	12.00	11.94	1.31
10,314.0	67.38	177.39	10,166.1	-181.7	613.9	262.0	12.00	11.94	1.26
FTP (Jolly Rogers 16 State #303H)									
10,325.0	68.69	177.52	10,170.2	-191.8	614.3	272.1	12.00	11.95	1.23
10,350.0	71.68	177.82	10,178.7	-215.3	615.3	295.6	12.00	11.95	1.20
10,375.0	74.67	178.11	10,185.9	-239.2	616.1	319.4	12.00	11.95	1.16
10,400.0	77.66	178.39	10,191.9	-263.5	616.9	343.5	12.00	11.95	1.12
10,425.0	80.64	178.67	10,196.6	-288.1	617.5	367.9	12.00	11.95	1.10
10,450.0	83.63	178.94	10,200.0	-312.8	618.0	392.5	12.00	11.95	1.08
10,475.0	86.62	179.20	10,202.2	-337.7	618.4	417.3	12.00	11.95	1.07
10,500.0	89.61	179.47	10,203.0	-362.7	618.7	442.1	12.00	11.95	1.06
10,503.3	90.00	179.50	10,203.0	-366.0	618.7	445.3	12.00	11.95	1.06
10,600.0	90.00	179.50	10,203.0	-462.7	619.6	541.3	0.00	0.00	0.00
10,700.0	90.00	179.50	10,203.0	-562.7	620.4	640.5	0.00	0.00	0.00
10,800.0	90.00	179.50	10,203.0	-662.7	621.3	739.7	0.00	0.00	0.00
10,900.0	90.00	179.50	10,203.0	-762.7	622.2	838.9	0.00	0.00	0.00
11,000.0	90.00	179.50	10,203.0	-862.7	623.1	938.1	0.00	0.00	0.00
11,100.0	90.00	179.50	10,203.0	-962.7	623.9	1,037.4	0.00	0.00	0.00
11,200.0	90.00	179.50	10,203.0	-1,062.7	624.8	1,136.6	0.00	0.00	0.00
11,300.0	90.00	179.50	10,203.0	-1,162.7	625.7	1,235.8	0.00	0.00	0.00
11,400.0	90.00	179.50	10,203.0	-1,262.7	626.5	1,335.0	0.00	0.00	0.00
11,500.0	90.00	179.50	10,203.0	-1,362.7	627.4	1,434.2	0.00	0.00	0.00
11,600.0	90.00	179.50	10,203.0	-1,462.7	628.3	1,533.4	0.00	0.00	0.00
11,700.0	90.00	179.50	10,203.0	-1,562.6	629.1	1,632.7	0.00	0.00	0.00
11,800.0	90.00	179.50	10,203.0	-1,662.6	630.0	1,731.9	0.00	0.00	0.00
11,900.0	90.00	179.50	10,203.0	-1,762.6	630.9	1,831.1	0.00	0.00	0.00
12,000.0	90.00	179.50	10,203.0	-1,862.6	631.7	1,930.3	0.00	0.00	0.00
12,100.0	90.00	179.50	10,203.0	-1,962.6	632.6	2,029.5	0.00	0.00	0.00
12,200.0	90.00	179.50	10,203.0	-2,062.6	633.5	2,128.7	0.00	0.00	0.00
12,300.0	90.00	179.50	10,203.0	-2,162.6	634.4	2,228.0	0.00	0.00	0.00
12,400.0	90.00	179.50	10,203.0	-2,262.6	635.2	2,327.2	0.00	0.00	0.00
12,500.0	90.00	179.50	10,203.0	-2,362.6	636.1	2,426.4	0.00	0.00	0.00
12,600.0	90.00	179.50	10,203.0	-2,462.6	637.0	2,525.6	0.00	0.00	0.00
12,700.0	90.00	179.50	10,203.0	-2,562.6	637.8	2,624.8	0.00	0.00	0.00
12,800.0	90.00	179.50	10,203.0	-2,662.6	638.7	2,724.0	0.00	0.00	0.00
12,900.0	90.00	179.50	10,203.0	-2,762.6	639.6	2,823.3	0.00	0.00	0.00
13,000.0	90.00	179.50	10,203.0	-2,862.6	640.4	2,922.5	0.00	0.00	0.00
13,100.0	90.00	179.50	10,203.0	-2,962.6	641.3	3,021.7	0.00	0.00	0.00
13,200.0	90.00	179.50	10,203.0	-3,062.6	642.2	3,120.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Jolly Roger 16 State
Well: #303H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #303H
TVD Reference: KB = 25 @ 3579.0usft
MD Reference: KB = 25 @ 3579.0usft
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)
13,300.0	90.00	179.50	10,203.0	-3,162.6	643.0	3,220.1	0.00	0.00	0.00
13,400.0	90.00	179.50	10,203.0	-3,262.6	643.9	3,319.3	0.00	0.00	0.00
13,500.0	90.00	179.50	10,203.0	-3,362.6	644.8	3,418.6	0.00	0.00	0.00
13,600.0	90.00	179.50	10,203.0	-3,462.6	645.6	3,517.8	0.00	0.00	0.00
13,700.0	90.00	179.50	10,203.0	-3,562.6	646.5	3,617.0	0.00	0.00	0.00
13,800.0	90.00	179.50	10,203.0	-3,662.6	647.4	3,716.2	0.00	0.00	0.00
13,900.0	90.00	179.50	10,203.0	-3,762.6	648.3	3,815.4	0.00	0.00	0.00
14,000.0	90.00	179.50	10,203.0	-3,862.6	649.1	3,914.6	0.00	0.00	0.00
14,100.0	90.00	179.50	10,203.0	-3,962.6	650.0	4,013.9	0.00	0.00	0.00
14,200.0	90.00	179.50	10,203.0	-4,062.6	650.9	4,113.1	0.00	0.00	0.00
14,300.0	90.00	179.50	10,203.0	-4,162.5	651.7	4,212.3	0.00	0.00	0.00
14,400.0	90.00	179.50	10,203.0	-4,262.5	652.6	4,311.5	0.00	0.00	0.00
14,500.0	90.00	179.50	10,203.0	-4,362.5	653.5	4,410.7	0.00	0.00	0.00
14,600.0	90.00	179.50	10,203.0	-4,462.5	654.3	4,509.9	0.00	0.00	0.00
14,700.0	90.00	179.50	10,203.0	-4,562.5	655.2	4,609.2	0.00	0.00	0.00
14,800.0	90.00	179.50	10,203.0	-4,662.5	656.1	4,708.4	0.00	0.00	0.00
14,900.0	90.00	179.50	10,203.0	-4,762.5	656.9	4,807.6	0.00	0.00	0.00
15,000.0	90.00	179.50	10,203.0	-4,862.5	657.8	4,906.8	0.00	0.00	0.00
15,021.5	90.00	179.50	10,203.0	-4,884.0	658.0	4,928.1	0.00	0.00	0.00

PBHL (Jolly Rogers 16 State #303H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
FTP (Jolly Rogers 16 St:	0.00	0.00	10,203.0	-166.0	617.0	446,249.00	806,462.00	32° 13' 26.066 N	103° 28' 33.542 W
- plan misses target center by 40.2usft at 10314.0usft MD (10166.1 TVD, -181.7 N, 613.9 E)									
- Point									
PBHL (Jolly Rogers 16 S	0.00	0.00	10,203.0	-4,884.0	658.0	441,531.00	806,503.00	32° 12' 39.378 N	103° 28' 33.503 W
- plan hits target center									
- Point									