



Lea County, NM (NAD 83 NME)

Jolly Roger 16 State #302H

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

WELL DETAILS: #302H

KB = 25 @ 3579.0 Jost 3554.0
Northing 446415.00 Easting 805812.00 Latitude 32° 13' 27.759 N Longitude 103° 28' 41.093 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	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	3254.2	2.54	291.19	3254.2	2.0	-5.3	1.00	291.19	-1.8	
4	9714.6	2.54	291.19	9708.1	105.6	-272.5	0.00	0.00	-91.7	
5	10472.4	90.00	179.49	10193.0	-371.9	-288.2	12.00	-111.68	386.1	
6	14990.6	90.00	179.49	10193.0	-4890.0	-248.0	0.00	0.00	4896.3	PBHL (Jolly Rogers 16 State #302H)



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

Magnetic Field
Strength: 47867.5nT
Dip Angle: 60.07°
Date: 3/27/2018
Model: IGRF2015

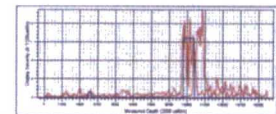
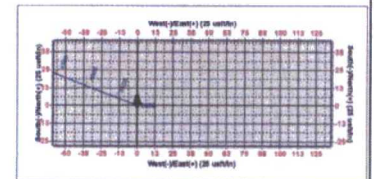
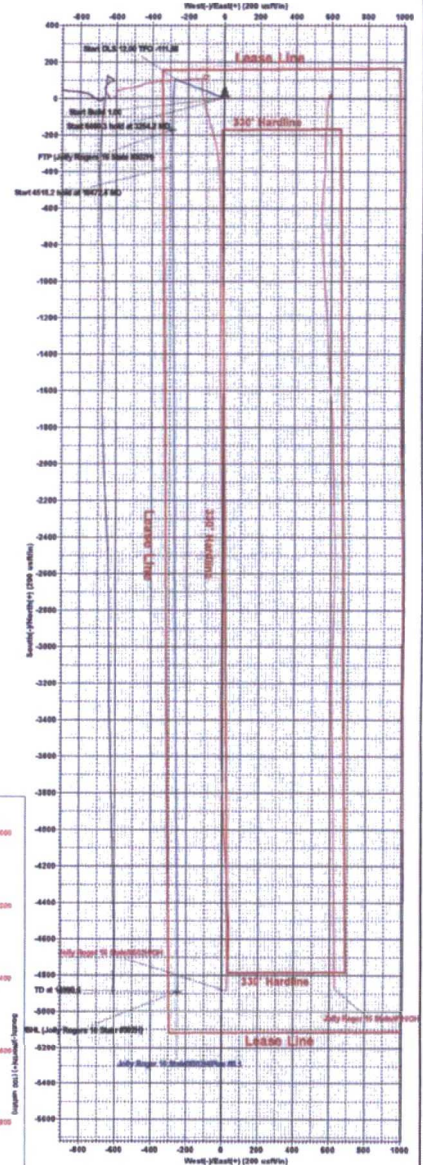
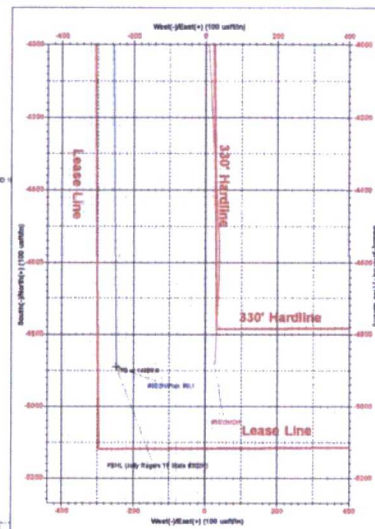
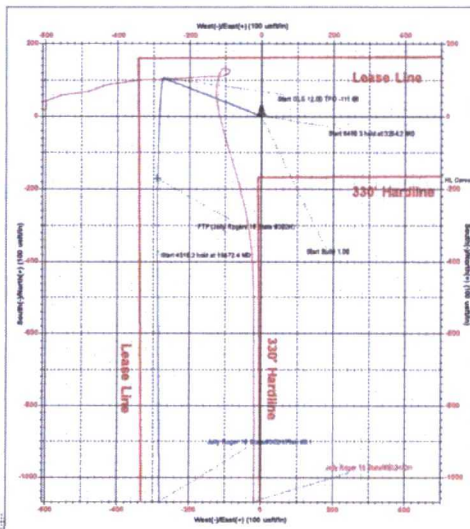
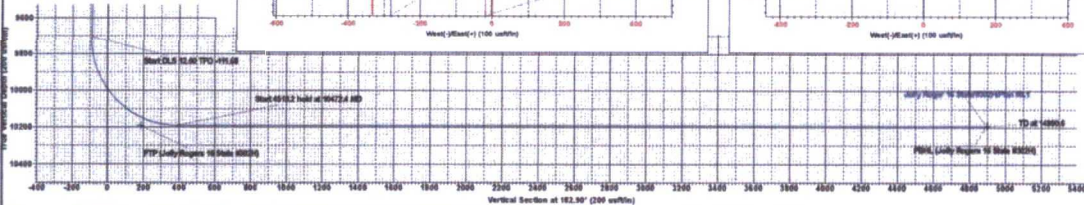
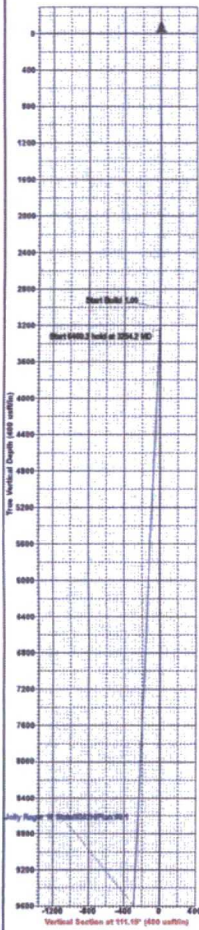
To convert a Magnetic Direction to a Grid Direction, Add 6.37°
To convert a Magnetic Direction to a True Direction, Add 6.82° East
To convert a True Direction to a Grid Direction, Subtract 0.48°

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 #302H)	10193.0	-172.0	-290.0	446341.00	805822.00
PBHL (Jolly Rogers 16 State #302H)	10193.0	-4890.0	-348.0	446126.00	805664.00



WELL LOG #302H
DATE: 3/27/2018
TIME: 10:00 AM



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Jolly Roger 16 State

#302H

OH

Plan: Plan #0.1

Standard Planning Report

27 March, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #302H
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:	#302H	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	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	#302H					
Well Position	+N/-S	904.0 usft	Northing:	446,415.00 usft	Latitude:	32° 13' 27.759 N
	+E/-W	1,323.0 usft	Easting:	805,812.00 usft	Longitude:	103° 28' 41.093 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	Ground Level: 3,554.0 usft		

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/27/2018	6.83	60.07	47,867.45065879

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	182.90

Plan Survey Tool Program	Date 3/27/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	14,990.6 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	
3,254.2	2.54	291.19	3,254.2	2.0	-5.3	1.00	1.00	0.00	291.19	
9,714.6	2.54	291.19	9,708.1	105.6	-272.5	0.00	0.00	0.00	0.00	
10,472.4	90.00	179.49	10,193.0	-371.9	-288.2	12.00	11.54	-14.74	-111.68	
14,990.6	90.00	179.49	10,193.0	-4,890.0	-248.0	0.00	0.00	0.00	0.00	PBHL (Jolly Rogers 16)



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Jolly Roger 16 State
 Well: #302H
 Wellbore: OH
 Design: Plan #0.1

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

Well #302H
 KB = 25 @ 3579.0usft
 KB = 25 @ 3579.0usft
 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)
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	291.19	3,100.0	0.3	-0.8	-0.3	1.00	1.00	0.00
3,200.0	2.00	291.19	3,200.0	1.3	-3.3	-1.1	1.00	1.00	0.00
3,254.2	2.54	291.19	3,254.2	2.0	-5.3	-1.8	1.00	1.00	0.00
3,300.0	2.54	291.19	3,299.9	2.8	-7.2	-2.4	0.00	0.00	0.00
3,400.0	2.54	291.19	3,399.8	4.4	-11.3	-3.8	0.00	0.00	0.00
3,500.0	2.54	291.19	3,499.7	6.0	-15.4	-5.2	0.00	0.00	0.00
3,600.0	2.54	291.19	3,599.6	7.6	-19.6	-6.6	0.00	0.00	0.00
3,700.0	2.54	291.19	3,699.5	9.2	-23.7	-8.0	0.00	0.00	0.00
3,800.0	2.54	291.19	3,799.4	10.8	-27.8	-9.4	0.00	0.00	0.00
3,900.0	2.54	291.19	3,899.3	12.4	-32.0	-10.8	0.00	0.00	0.00
4,000.0	2.54	291.19	3,999.2	14.0	-36.1	-12.1	0.00	0.00	0.00
4,100.0	2.54	291.19	4,099.1	15.6	-40.2	-13.5	0.00	0.00	0.00
4,200.0	2.54	291.19	4,199.0	17.2	-44.4	-14.9	0.00	0.00	0.00
4,300.0	2.54	291.19	4,298.9	18.8	-48.5	-16.3	0.00	0.00	0.00
4,400.0	2.54	291.19	4,398.8	20.4	-52.6	-17.7	0.00	0.00	0.00
4,500.0	2.54	291.19	4,498.7	22.0	-56.8	-19.1	0.00	0.00	0.00
4,600.0	2.54	291.19	4,598.6	23.6	-60.9	-20.5	0.00	0.00	0.00
4,700.0	2.54	291.19	4,698.5	25.2	-65.1	-21.9	0.00	0.00	0.00
4,800.0	2.54	291.19	4,798.4	26.8	-69.2	-23.3	0.00	0.00	0.00
4,900.0	2.54	291.19	4,898.3	28.4	-73.3	-24.7	0.00	0.00	0.00
5,000.0	2.54	291.19	4,998.2	30.0	-77.5	-26.1	0.00	0.00	0.00
5,100.0	2.54	291.19	5,098.1	31.6	-81.6	-27.5	0.00	0.00	0.00
5,200.0	2.54	291.19	5,198.0	33.2	-85.7	-28.8	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 @ 3579.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3579.0usft
Site:	Jolly Roger 16 State	North Reference:	Grid
Well:	#302H	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	2.54	291.19	5,297.9	34.8	-89.9	-30.2	0.00	0.00	0.00
5,400.0	2.54	291.19	5,397.8	36.4	-94.0	-31.6	0.00	0.00	0.00
5,500.0	2.54	291.19	5,497.7	38.0	-98.1	-33.0	0.00	0.00	0.00
5,600.0	2.54	291.19	5,597.6	39.6	-102.3	-34.4	0.00	0.00	0.00
5,700.0	2.54	291.19	5,697.5	41.3	-106.4	-35.8	0.00	0.00	0.00
5,800.0	2.54	291.19	5,797.4	42.9	-110.6	-37.2	0.00	0.00	0.00
5,900.0	2.54	291.19	5,897.3	44.5	-114.7	-38.6	0.00	0.00	0.00
6,000.0	2.54	291.19	5,997.2	46.1	-118.8	-40.0	0.00	0.00	0.00
6,100.0	2.54	291.19	6,097.1	47.7	-123.0	-41.4	0.00	0.00	0.00
6,200.0	2.54	291.19	6,197.0	49.3	-127.1	-42.8	0.00	0.00	0.00
6,300.0	2.54	291.19	6,296.9	50.9	-131.2	-44.2	0.00	0.00	0.00
6,400.0	2.54	291.19	6,396.8	52.5	-135.4	-45.6	0.00	0.00	0.00
6,500.0	2.54	291.19	6,496.7	54.1	-139.5	-46.9	0.00	0.00	0.00
6,600.0	2.54	291.19	6,596.6	55.7	-143.6	-48.3	0.00	0.00	0.00
6,700.0	2.54	291.19	6,696.5	57.3	-147.8	-49.7	0.00	0.00	0.00
6,800.0	2.54	291.19	6,796.4	58.9	-151.9	-51.1	0.00	0.00	0.00
6,900.0	2.54	291.19	6,896.3	60.5	-156.1	-52.5	0.00	0.00	0.00
7,000.0	2.54	291.19	6,996.2	62.1	-160.2	-53.9	0.00	0.00	0.00
7,100.0	2.54	291.19	7,096.1	63.7	-164.3	-55.3	0.00	0.00	0.00
7,200.0	2.54	291.19	7,196.0	65.3	-168.5	-56.7	0.00	0.00	0.00
7,300.0	2.54	291.19	7,295.9	66.9	-172.6	-58.1	0.00	0.00	0.00
7,400.0	2.54	291.19	7,395.8	68.5	-176.7	-59.5	0.00	0.00	0.00
7,500.0	2.54	291.19	7,495.7	70.1	-180.9	-60.9	0.00	0.00	0.00
7,600.0	2.54	291.19	7,595.6	71.7	-185.0	-62.3	0.00	0.00	0.00
7,700.0	2.54	291.19	7,695.5	73.3	-189.1	-63.6	0.00	0.00	0.00
7,800.0	2.54	291.19	7,795.4	74.9	-193.3	-65.0	0.00	0.00	0.00
7,900.0	2.54	291.19	7,895.3	76.5	-197.4	-66.4	0.00	0.00	0.00
8,000.0	2.54	291.19	7,995.2	78.1	-201.5	-67.8	0.00	0.00	0.00
8,100.0	2.54	291.19	8,095.1	79.7	-205.7	-69.2	0.00	0.00	0.00
8,200.0	2.54	291.19	8,195.0	81.3	-209.8	-70.6	0.00	0.00	0.00
8,300.0	2.54	291.19	8,294.9	82.9	-214.0	-72.0	0.00	0.00	0.00
8,400.0	2.54	291.19	8,394.9	84.5	-218.1	-73.4	0.00	0.00	0.00
8,500.0	2.54	291.19	8,494.8	86.1	-222.2	-74.8	0.00	0.00	0.00
8,600.0	2.54	291.19	8,594.7	87.7	-226.4	-76.2	0.00	0.00	0.00
8,700.0	2.54	291.19	8,694.6	89.4	-230.5	-77.6	0.00	0.00	0.00
8,800.0	2.54	291.19	8,794.5	91.0	-234.6	-79.0	0.00	0.00	0.00
8,900.0	2.54	291.19	8,894.4	92.6	-238.8	-80.3	0.00	0.00	0.00
9,000.0	2.54	291.19	8,994.3	94.2	-242.9	-81.7	0.00	0.00	0.00
9,100.0	2.54	291.19	9,094.2	95.8	-247.0	-83.1	0.00	0.00	0.00
9,200.0	2.54	291.19	9,194.1	97.4	-251.2	-84.5	0.00	0.00	0.00
9,300.0	2.54	291.19	9,294.0	99.0	-255.3	-85.9	0.00	0.00	0.00
9,400.0	2.54	291.19	9,393.9	100.6	-259.5	-87.3	0.00	0.00	0.00
9,500.0	2.54	291.19	9,493.8	102.2	-263.6	-88.7	0.00	0.00	0.00
9,600.0	2.54	291.19	9,593.7	103.8	-267.7	-90.1	0.00	0.00	0.00
9,700.0	2.54	291.19	9,693.6	105.4	-271.9	-91.5	0.00	0.00	0.00
9,714.6	2.54	291.19	9,708.1	105.6	-272.5	-91.7	0.00	0.00	0.00
9,725.0	2.38	261.94	9,718.5	105.7	-272.9	-91.7	12.00	-1.53	-280.16
9,750.0	4.07	214.94	9,743.5	104.9	-273.9	-90.9	12.00	6.74	-187.98
9,775.0	6.74	199.93	9,768.4	102.8	-274.9	-88.7	12.00	10.68	-60.08
9,800.0	9.61	193.60	9,793.1	99.4	-275.9	-85.3	12.00	11.47	-25.30
9,825.0	12.53	190.18	9,817.7	94.7	-276.9	-80.5	12.00	11.71	-13.66
9,850.0	15.49	188.05	9,841.9	88.7	-277.8	-74.5	12.00	11.82	-8.53
9,875.0	18.46	186.59	9,865.8	81.4	-278.8	-67.2	12.00	11.88	-5.85
9,900.0	21.44	185.52	9,889.3	73.0	-279.7	-58.7	12.00	11.91	-4.27



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Jolly Roger 16 State
Well: #302H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #302H
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)
9,925.0	24.42	184.70	9,912.4	63.3	-280.5	-49.0	12.00	11.93	-3.27
9,950.0	27.41	184.05	9,934.8	52.4	-281.3	-38.1	12.00	11.95	-2.60
9,975.0	30.40	183.52	9,956.7	40.3	-282.1	-26.0	12.00	11.96	-2.12
10,000.0	33.39	183.08	9,977.9	27.1	-282.9	-12.8	12.00	11.96	-1.78
10,025.0	36.38	182.70	9,998.5	12.9	-283.6	1.5	12.00	11.97	-1.51
10,050.0	39.37	182.37	10,018.2	-2.5	-284.3	16.9	12.00	11.97	-1.31
10,075.0	42.37	182.08	10,037.1	-18.8	-284.9	33.2	12.00	11.98	-1.16
10,100.0	45.36	181.82	10,055.1	-36.1	-285.5	50.6	12.00	11.98	-1.03
10,125.0	48.36	181.59	10,072.2	-54.4	-286.1	68.8	12.00	11.98	-0.93
10,150.0	51.35	181.38	10,088.3	-73.5	-286.6	87.9	12.00	11.98	-0.85
10,175.0	54.35	181.19	10,103.4	-93.4	-287.0	107.8	12.00	11.98	-0.78
10,200.0	57.34	181.01	10,117.4	-114.1	-287.4	128.5	12.00	11.99	-0.72
10,225.0	60.34	180.84	10,130.4	-135.5	-287.7	149.9	12.00	11.99	-0.68
10,250.0	63.34	180.68	10,142.2	-157.5	-288.0	171.9	12.00	11.99	-0.64
10,275.0	66.33	180.53	10,152.8	-180.1	-288.3	194.5	12.00	11.99	-0.60
10,282.7	67.25	180.48	10,155.8	-187.2	-288.3	201.5	12.00	11.99	-0.59
FTP (Jolly Rogers 16 State #302H)									
10,300.0	69.33	180.38	10,162.2	-203.3	-288.5	217.6	12.00	11.99	-0.57
10,325.0	72.33	180.24	10,170.4	-226.9	-288.6	241.2	12.00	11.99	-0.55
10,350.0	75.33	180.11	10,177.4	-250.9	-288.7	265.2	12.00	11.99	-0.54
10,375.0	78.32	179.98	10,183.1	-275.2	-288.7	289.5	12.00	11.99	-0.52
10,400.0	81.32	179.85	10,187.5	-299.8	-288.6	314.1	12.00	11.99	-0.51
10,425.0	84.32	179.73	10,190.7	-324.6	-288.5	338.8	12.00	11.99	-0.50
10,450.0	87.32	179.60	10,192.5	-349.6	-288.4	363.7	12.00	11.99	-0.50
10,472.4	90.00	179.49	10,193.0	-371.9	-288.2	386.1	12.00	11.99	-0.50
10,500.0	90.00	179.49	10,193.0	-399.5	-288.0	413.6	0.00	0.00	0.00
10,600.0	90.00	179.49	10,193.0	-499.5	-287.1	513.4	0.00	0.00	0.00
10,700.0	90.00	179.49	10,193.0	-599.5	-286.2	613.3	0.00	0.00	0.00
10,800.0	90.00	179.49	10,193.0	-699.5	-285.3	713.1	0.00	0.00	0.00
10,900.0	90.00	179.49	10,193.0	-799.5	-284.4	812.9	0.00	0.00	0.00
11,000.0	90.00	179.49	10,193.0	-899.5	-283.5	912.7	0.00	0.00	0.00
11,100.0	90.00	179.49	10,193.0	-999.5	-282.6	1,012.6	0.00	0.00	0.00
11,200.0	90.00	179.49	10,193.0	-1,099.5	-281.7	1,112.4	0.00	0.00	0.00
11,300.0	90.00	179.49	10,193.0	-1,199.5	-280.9	1,212.2	0.00	0.00	0.00
11,400.0	90.00	179.49	10,193.0	-1,299.5	-280.0	1,312.0	0.00	0.00	0.00
11,500.0	90.00	179.49	10,193.0	-1,399.5	-279.1	1,411.8	0.00	0.00	0.00
11,600.0	90.00	179.49	10,193.0	-1,499.5	-278.2	1,511.7	0.00	0.00	0.00
11,700.0	90.00	179.49	10,193.0	-1,599.5	-277.3	1,611.5	0.00	0.00	0.00
11,800.0	90.00	179.49	10,193.0	-1,699.5	-276.4	1,711.3	0.00	0.00	0.00
11,900.0	90.00	179.49	10,193.0	-1,799.5	-275.5	1,811.1	0.00	0.00	0.00
12,000.0	90.00	179.49	10,193.0	-1,899.5	-274.6	1,911.0	0.00	0.00	0.00
12,100.0	90.00	179.49	10,193.0	-1,999.5	-273.7	2,010.8	0.00	0.00	0.00
12,200.0	90.00	179.49	10,193.0	-2,099.5	-272.8	2,110.6	0.00	0.00	0.00
12,300.0	90.00	179.49	10,193.0	-2,199.5	-272.0	2,210.4	0.00	0.00	0.00
12,400.0	90.00	179.49	10,193.0	-2,299.5	-271.1	2,310.3	0.00	0.00	0.00
12,500.0	90.00	179.49	10,193.0	-2,399.5	-270.2	2,410.1	0.00	0.00	0.00
12,600.0	90.00	179.49	10,193.0	-2,499.5	-269.3	2,509.9	0.00	0.00	0.00
12,700.0	90.00	179.49	10,193.0	-2,599.5	-268.4	2,609.7	0.00	0.00	0.00
12,800.0	90.00	179.49	10,193.0	-2,699.5	-267.5	2,709.5	0.00	0.00	0.00
12,900.0	90.00	179.49	10,193.0	-2,799.5	-266.6	2,809.4	0.00	0.00	0.00
13,000.0	90.00	179.49	10,193.0	-2,899.5	-265.7	2,909.2	0.00	0.00	0.00
13,100.0	90.00	179.49	10,193.0	-2,999.4	-264.8	3,009.0	0.00	0.00	0.00
13,200.0	90.00	179.49	10,193.0	-3,099.4	-263.9	3,108.8	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: #302H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #302H
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	179.49	10,193.0	-3,199.4	-263.0	3,208.7	0.00	0.00	0.00
13,400.0	90.00	179.49	10,193.0	-3,299.4	-262.2	3,308.5	0.00	0.00	0.00
13,500.0	90.00	179.49	10,193.0	-3,399.4	-261.3	3,408.3	0.00	0.00	0.00
13,600.0	90.00	179.49	10,193.0	-3,499.4	-260.4	3,508.1	0.00	0.00	0.00
13,700.0	90.00	179.49	10,193.0	-3,599.4	-259.5	3,607.9	0.00	0.00	0.00
13,800.0	90.00	179.49	10,193.0	-3,699.4	-258.6	3,707.8	0.00	0.00	0.00
13,900.0	90.00	179.49	10,193.0	-3,799.4	-257.7	3,807.6	0.00	0.00	0.00
14,000.0	90.00	179.49	10,193.0	-3,899.4	-256.8	3,907.4	0.00	0.00	0.00
14,100.0	90.00	179.49	10,193.0	-3,999.4	-255.9	4,007.2	0.00	0.00	0.00
14,200.0	90.00	179.49	10,193.0	-4,099.4	-255.0	4,107.1	0.00	0.00	0.00
14,300.0	90.00	179.49	10,193.0	-4,199.4	-254.1	4,206.9	0.00	0.00	0.00
14,400.0	90.00	179.49	10,193.0	-4,299.4	-253.3	4,306.7	0.00	0.00	0.00
14,500.0	90.00	179.49	10,193.0	-4,399.4	-252.4	4,406.5	0.00	0.00	0.00
14,600.0	90.00	179.49	10,193.0	-4,499.4	-251.5	4,506.3	0.00	0.00	0.00
14,700.0	90.00	179.49	10,193.0	-4,599.4	-250.6	4,606.2	0.00	0.00	0.00
14,800.0	90.00	179.49	10,193.0	-4,699.4	-249.7	4,706.0	0.00	0.00	0.00
14,900.0	90.00	179.49	10,193.0	-4,799.4	-248.8	4,805.8	0.00	0.00	0.00
14,990.6	90.00	179.49	10,193.0	-4,890.0	-248.0	4,896.3	0.00	0.00	0.00

PBHL (Jolly Rogers 16 State #302H)

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 (Jolly Rogers 16 St; - plan misses target center by 40.2usft at 10282.7usft MD (10155.8 TVD, -187.2 N, -288.3 E) - Point	0.00	0.00	10,193.0	-172.0	-290.0	446,243.00	805,522.00	32° 13' 26.080 N	103° 28' 44.485 W
PBHL (Jolly Rogers 16 S; - plan hits target center - Point	0.00	0.00	10,193.0	-4,890.0	-248.0	441,525.00	805,564.00	32° 12' 39.393 N	103° 28' 44.432 W