



HOBBS OCD

APR 29 2016

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EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Trigg 5 Fed

Well #1

OH

Plan: Plan #0.1

Standard Planning Report

25 November, 2015

MAY 06 2016



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Trigg 5 Fed
 Well: Well #1
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well Well #1
 TVD Reference: KB = 25 @ 3491.0usft (H&P 260)
 MD Reference: KB = 25 @ 3491.0usft (H&P 260)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Trigg 5 Fed				
Site Position:		Northing:	488,806.00 usft	Latitude:	32° 20' 25.193 N
From:	Map	Easting:	790,721.00 usft	Longitude:	103° 23' 31.317 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.50 °

Well	Well #1					
Well Position	+N/-S	0.0 usft	Northing:	488,806.00 usft	Latitude:	32° 20' 25.193 N
	+E/-W	0.0 usft	Easting:	790,721.00 usft	Longitude:	103° 23' 31.317 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,466.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/14/2015	7.04	60.22	48,182

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	179.41	

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	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,613.6	4.27	179.41	6,613.4	-8.0	0.1	2.00	2.00	83.99	179.41	
13,018.0	4.27	179.41	13,000.0	-485.0	5.0	0.00	0.00	0.00	0.00	PBHL (Trigg 5 Fed #1)



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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	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



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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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	2.00	179.41	6,500.0	-1.7	0.0	1.7	2.00	2.00	0.00
6,600.0	4.00	179.41	6,599.8	-7.0	0.1	7.0	2.00	2.00	0.00
6,613.6	4.27	179.41	6,613.4	-8.0	0.1	8.0	2.00	2.00	0.00
6,700.0	4.27	179.41	6,699.6	-14.4	0.1	14.4	0.00	0.00	0.00
6,800.0	4.27	179.41	6,799.3	-21.8	0.2	21.8	0.00	0.00	0.00
6,900.0	4.27	179.41	6,899.0	-29.3	0.3	29.3	0.00	0.00	0.00
7,000.0	4.27	179.41	6,998.7	-36.7	0.4	36.7	0.00	0.00	0.00
7,100.0	4.27	179.41	7,098.5	-44.2	0.5	44.2	0.00	0.00	0.00
7,200.0	4.27	179.41	7,198.2	-51.6	0.5	51.6	0.00	0.00	0.00
7,300.0	4.27	179.41	7,297.9	-59.1	0.6	59.1	0.00	0.00	0.00
7,400.0	4.27	179.41	7,397.6	-66.5	0.7	66.5	0.00	0.00	0.00
7,500.0	4.27	179.41	7,497.3	-74.0	0.8	74.0	0.00	0.00	0.00
7,600.0	4.27	179.41	7,597.1	-81.4	0.8	81.4	0.00	0.00	0.00
7,700.0	4.27	179.41	7,696.8	-88.9	0.9	88.9	0.00	0.00	0.00
7,800.0	4.27	179.41	7,796.5	-96.3	1.0	96.3	0.00	0.00	0.00
7,900.0	4.27	179.41	7,896.2	-103.8	1.1	103.8	0.00	0.00	0.00
8,000.0	4.27	179.41	7,996.0	-111.2	1.1	111.2	0.00	0.00	0.00
8,100.0	4.27	179.41	8,095.7	-118.7	1.2	118.7	0.00	0.00	0.00
8,200.0	4.27	179.41	8,195.4	-126.1	1.3	126.1	0.00	0.00	0.00
8,300.0	4.27	179.41	8,295.1	-133.6	1.4	133.6	0.00	0.00	0.00
8,400.0	4.27	179.41	8,394.8	-141.0	1.5	141.0	0.00	0.00	0.00
8,500.0	4.27	179.41	8,494.6	-148.5	1.5	148.5	0.00	0.00	0.00
8,600.0	4.27	179.41	8,594.3	-155.9	1.6	155.9	0.00	0.00	0.00
8,700.0	4.27	179.41	8,694.0	-163.4	1.7	163.4	0.00	0.00	0.00
8,800.0	4.27	179.41	8,793.7	-170.8	1.8	170.8	0.00	0.00	0.00
8,900.0	4.27	179.41	8,893.4	-178.3	1.8	178.3	0.00	0.00	0.00
9,000.0	4.27	179.41	8,993.2	-185.7	1.9	185.7	0.00	0.00	0.00
9,100.0	4.27	179.41	9,092.9	-193.2	2.0	193.2	0.00	0.00	0.00
9,200.0	4.27	179.41	9,192.6	-200.6	2.1	200.6	0.00	0.00	0.00
9,300.0	4.27	179.41	9,292.3	-208.1	2.1	208.1	0.00	0.00	0.00
9,400.0	4.27	179.41	9,392.1	-215.5	2.2	215.5	0.00	0.00	0.00
9,500.0	4.27	179.41	9,491.8	-223.0	2.3	223.0	0.00	0.00	0.00
9,600.0	4.27	179.41	9,591.5	-230.4	2.4	230.4	0.00	0.00	0.00
9,700.0	4.27	179.41	9,691.2	-237.9	2.5	237.9	0.00	0.00	0.00
9,800.0	4.27	179.41	9,790.9	-245.3	2.5	245.3	0.00	0.00	0.00
9,900.0	4.27	179.41	9,890.7	-252.8	2.6	252.8	0.00	0.00	0.00
10,000.0	4.27	179.41	9,990.4	-260.2	2.7	260.2	0.00	0.00	0.00
10,100.0	4.27	179.41	10,090.1	-267.6	2.8	267.7	0.00	0.00	0.00
10,200.0	4.27	179.41	10,189.8	-275.1	2.8	275.1	0.00	0.00	0.00
10,300.0	4.27	179.41	10,289.6	-282.5	2.9	282.6	0.00	0.00	0.00
10,400.0	4.27	179.41	10,389.3	-290.0	3.0	290.0	0.00	0.00	0.00
10,500.0	4.27	179.41	10,489.0	-297.4	3.1	297.5	0.00	0.00	0.00
10,600.0	4.27	179.41	10,588.7	-304.9	3.1	304.9	0.00	0.00	0.00



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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)
10,700.0	4.27	179.41	10,688.4	-312.3	3.2	312.4	0.00	0.00	0.00
10,800.0	4.27	179.41	10,788.2	-319.8	3.3	319.8	0.00	0.00	0.00
10,900.0	4.27	179.41	10,887.9	-327.2	3.4	327.3	0.00	0.00	0.00
11,000.0	4.27	179.41	10,987.6	-334.7	3.5	334.7	0.00	0.00	0.00
11,100.0	4.27	179.41	11,087.3	-342.1	3.5	342.2	0.00	0.00	0.00
11,200.0	4.27	179.41	11,187.1	-349.6	3.6	349.6	0.00	0.00	0.00
11,300.0	4.27	179.41	11,286.8	-357.0	3.7	357.1	0.00	0.00	0.00
11,400.0	4.27	179.41	11,386.5	-364.5	3.8	364.5	0.00	0.00	0.00
11,500.0	4.27	179.41	11,486.2	-371.9	3.8	371.9	0.00	0.00	0.00
11,600.0	4.27	179.41	11,585.9	-379.4	3.9	379.4	0.00	0.00	0.00
11,700.0	4.27	179.41	11,685.7	-386.8	4.0	386.8	0.00	0.00	0.00
11,800.0	4.27	179.41	11,785.4	-394.3	4.1	394.3	0.00	0.00	0.00
11,900.0	4.27	179.41	11,885.1	-401.7	4.1	401.7	0.00	0.00	0.00
12,000.0	4.27	179.41	11,984.8	-409.2	4.2	409.2	0.00	0.00	0.00
12,100.0	4.27	179.41	12,084.6	-416.6	4.3	416.6	0.00	0.00	0.00
12,200.0	4.27	179.41	12,184.3	-424.1	4.4	424.1	0.00	0.00	0.00
12,300.0	4.27	179.41	12,284.0	-431.5	4.4	431.5	0.00	0.00	0.00
12,400.0	4.27	179.41	12,383.7	-439.0	4.5	439.0	0.00	0.00	0.00
12,500.0	4.27	179.41	12,483.4	-446.4	4.6	446.4	0.00	0.00	0.00
12,600.0	4.27	179.41	12,583.2	-453.9	4.7	453.9	0.00	0.00	0.00
12,700.0	4.27	179.41	12,682.9	-461.3	4.8	461.3	0.00	0.00	0.00
12,800.0	4.27	179.41	12,782.6	-468.8	4.8	468.8	0.00	0.00	0.00
12,900.0	4.27	179.41	12,882.3	-476.2	4.9	476.2	0.00	0.00	0.00
13,000.0	4.27	179.41	12,982.1	-483.7	5.0	483.7	0.00	0.00	0.00
13,018.0	4.27	179.41	13,000.0	-485.0	5.0	485.0	0.00	0.00	0.00

PBHL (Trigg 5 Fed #1)

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 (Trigg 5 Fed #1) - plan hits target center - Point	0.00	0.00	13,000.0	-485.0	5.0	488,321.00	790,726.00	32° 20' 20.394 N	103° 23' 31.308 W