

30-025-43919



Lea County, NM (NAD 27 NME)
 Righteous 6 State Com #301H
 Plan #0.1

Azimuths to Grid North
 True North: -0.87°
 Magnetic North: 6.23°
 Magnetic Field Strength: 48018.5 nT
 Dip Angle: 60.21°
 Date: 8/10/2017
 Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.23°
 To convert a Magnetic Direction to a True Direction, Add 6.82° East
 To convert a True Direction to a Grid Direction, Subtract 6.23°

PROJECT DETAILS: Lea County, NM (NAD 27 NME)
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level

WELL DETAILS: #301H

KB = 25' @ 3409.0uift	3354.0
Eastings	829327.00
Northings	485712.00
Latitude	32° 19' 50.999 N
Longitude	103° 16' 1.742 W

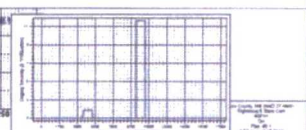
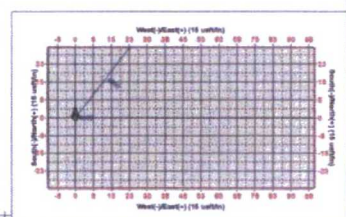
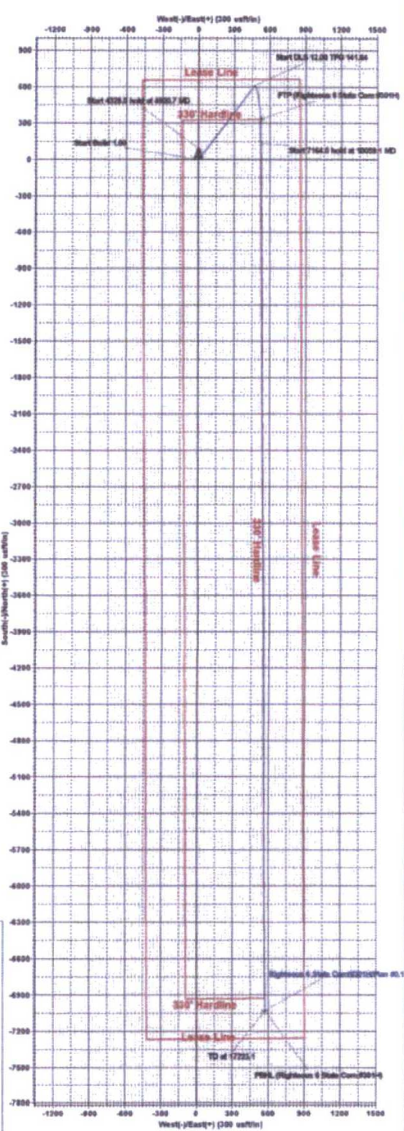
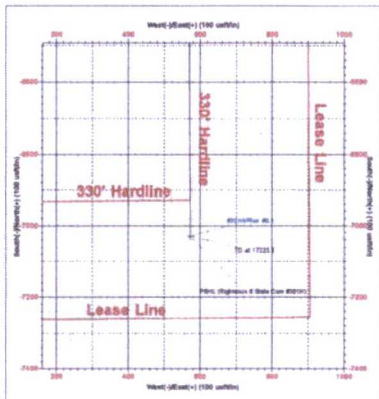
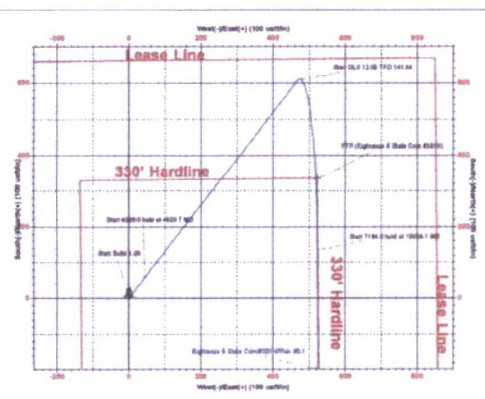
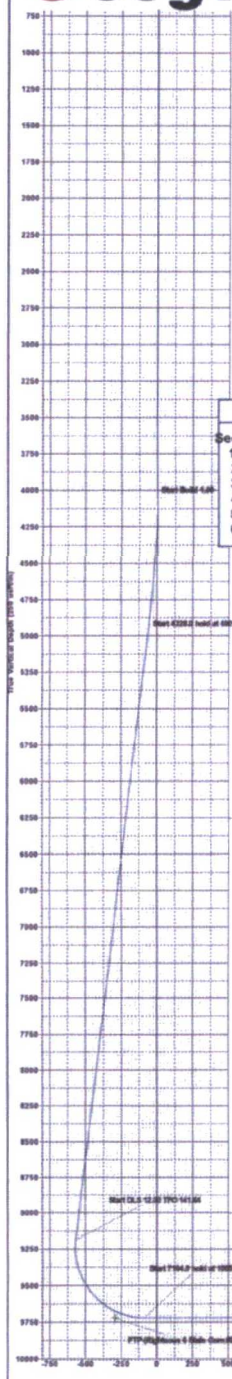
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.00	0.00	0.00	0.0	
3	4920.7	9.21	37.61	4916.8	58.5	45.0	1.00	37.61	-54.6	
4	9248.7	9.21	37.61	9189.0	607.1	467.6	0.00	0.00	-567.1	
5	10059.1	90.00	179.61	9724.0	133.8	524.2	12.00	141.64	-90.8	
6	17223.1	90.00	179.61	9724.0	-7030.0	573.0	0.00	0.00	7053.3	PBHL (Righteous 6 State Com #301H)

CASING DETAILS
 No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northings	Eastings
PBHL (Righteous 6 State Com #301H)	9724.0	-7030.0	573.0	478682.00	829500.00
FTP (Righteous 6 State Com #301H)	9724.0	334.0	522.0	480046.00	829543.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Righteous 6 State Com

#301H

OH

Plan: Plan #0.1

Standard Planning Report

10 August, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Righteous 6 State Com
Well: #301H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3409.0usft
MD Reference: KB = 25' @ 3409.0usft
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	Righteous 6 State Com		
Site Position:	From: Map	Northing: 485,656.00 usft	Latitude: 32° 19' 54.202 N
		Easting: 788,668.00 usft	Longitude: 103° 23' 55.564 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.50 °

Well	#301H		
Well Position	+N/-S 56.0 usft	Northing: 485,712.00 usft	Latitude: 32° 19' 50.999 N
	+E/-W 40,659.0 usft	Easting: 829,327.00 usft	Longitude: 103° 16' 1.742 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,384.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/10/2017	6.80	60.21	48,018.54101928

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	175.34

Plan Survey Tool Program		Date	8/10/2017		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,223.1	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	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,920.7	9.21	37.61	4,916.8	58.5	45.0	1.00	1.00	0.00	37.61	
9,248.7	9.21	37.61	9,189.0	607.1	467.6	0.00	0.00	0.00	0.00	
10,059.1	90.00	179.61	9,724.0	133.8	524.2	12.00	9.97	17.52	141.64	
17,223.1	90.00	179.61	9,724.0	-7,030.0	573.0	0.00	0.00	0.00	0.00	PBHL (Righteous 6 S)



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 Site: Righteous 6 State Com
 Well: #301H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
 TVD Reference: KB = 25' @ 3409.0usft
 MD Reference: KB = 25' @ 3409.0usft
 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	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	1.00	37.61	4,100.0	0.7	0.5	-0.6	1.00	1.00	0.00
4,200.0	2.00	37.61	4,200.0	2.8	2.1	-2.6	1.00	1.00	0.00
4,300.0	3.00	37.61	4,299.9	6.2	4.8	-5.8	1.00	1.00	0.00
4,400.0	4.00	37.61	4,399.7	11.1	8.5	-10.3	1.00	1.00	0.00
4,500.0	5.00	37.61	4,499.4	17.3	13.3	-16.1	1.00	1.00	0.00
4,600.0	6.00	37.61	4,598.9	24.9	19.2	-23.2	1.00	1.00	0.00
4,700.0	7.00	37.61	4,698.3	33.8	26.1	-31.6	1.00	1.00	0.00
4,800.0	8.00	37.61	4,797.4	44.2	34.0	-41.3	1.00	1.00	0.00
4,900.0	9.00	37.61	4,896.3	55.9	43.0	-52.2	1.00	1.00	0.00
4,920.7	9.21	37.61	4,916.8	58.5	45.0	-54.6	1.00	1.00	0.00
5,000.0	9.21	37.61	4,995.0	68.5	52.8	-64.0	0.00	0.00	0.00
5,100.0	9.21	37.61	5,093.7	81.2	62.6	-75.9	0.00	0.00	0.00
5,200.0	9.21	37.61	5,192.4	93.9	72.3	-87.7	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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Project: Lea County, NM (NAD 27 NME)
Site: Righteous 6 State Com
Well: #301H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3409.0usft
MD Reference: KB = 25' @ 3409.0usft
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)
5,300.0	9.21	37.61	5,291.2	106.6	82.1	-99.5	0.00	0.00	0.00
5,400.0	9.21	37.61	5,389.9	119.2	91.8	-111.4	0.00	0.00	0.00
5,500.0	9.21	37.61	5,488.6	131.9	101.6	-123.2	0.00	0.00	0.00
5,600.0	9.21	37.61	5,587.3	144.6	111.4	-135.1	0.00	0.00	0.00
5,700.0	9.21	37.61	5,686.0	157.3	121.1	-146.9	0.00	0.00	0.00
5,800.0	9.21	37.61	5,784.7	169.9	130.9	-158.7	0.00	0.00	0.00
5,900.0	9.21	37.61	5,883.4	182.6	140.7	-170.6	0.00	0.00	0.00
6,000.0	9.21	37.61	5,982.1	195.3	150.4	-182.4	0.00	0.00	0.00
6,100.0	9.21	37.61	6,080.8	208.0	160.2	-194.3	0.00	0.00	0.00
6,200.0	9.21	37.61	6,179.6	220.6	170.0	-206.1	0.00	0.00	0.00
6,300.0	9.21	37.61	6,278.3	233.3	179.7	-218.0	0.00	0.00	0.00
6,400.0	9.21	37.61	6,377.0	246.0	189.5	-229.8	0.00	0.00	0.00
6,500.0	9.21	37.61	6,475.7	258.7	199.2	-241.6	0.00	0.00	0.00
6,600.0	9.21	37.61	6,574.4	271.4	209.0	-253.5	0.00	0.00	0.00
6,700.0	9.21	37.61	6,673.1	284.0	218.8	-265.3	0.00	0.00	0.00
6,800.0	9.21	37.61	6,771.8	296.7	228.5	-277.2	0.00	0.00	0.00
6,900.0	9.21	37.61	6,870.5	309.4	238.3	-289.0	0.00	0.00	0.00
7,000.0	9.21	37.61	6,969.3	322.1	248.1	-300.8	0.00	0.00	0.00
7,100.0	9.21	37.61	7,068.0	334.7	257.8	-312.7	0.00	0.00	0.00
7,200.0	9.21	37.61	7,166.7	347.4	267.6	-324.5	0.00	0.00	0.00
7,300.0	9.21	37.61	7,265.4	360.1	277.4	-336.4	0.00	0.00	0.00
7,400.0	9.21	37.61	7,364.1	372.8	287.1	-348.2	0.00	0.00	0.00
7,500.0	9.21	37.61	7,462.8	385.4	296.9	-360.0	0.00	0.00	0.00
7,600.0	9.21	37.61	7,561.5	398.1	306.6	-371.9	0.00	0.00	0.00
7,700.0	9.21	37.61	7,660.2	410.8	316.4	-383.7	0.00	0.00	0.00
7,800.0	9.21	37.61	7,758.9	423.5	326.2	-395.6	0.00	0.00	0.00
7,900.0	9.21	37.61	7,857.7	436.1	335.9	-407.4	0.00	0.00	0.00
8,000.0	9.21	37.61	7,956.4	448.8	345.7	-419.3	0.00	0.00	0.00
8,100.0	9.21	37.61	8,055.1	461.5	355.5	-431.1	0.00	0.00	0.00
8,200.0	9.21	37.61	8,153.8	474.2	365.2	-442.9	0.00	0.00	0.00
8,300.0	9.21	37.61	8,252.5	486.9	375.0	-454.8	0.00	0.00	0.00
8,400.0	9.21	37.61	8,351.2	499.5	384.8	-466.6	0.00	0.00	0.00
8,500.0	9.21	37.61	8,449.9	512.2	394.5	-478.5	0.00	0.00	0.00
8,600.0	9.21	37.61	8,548.6	524.9	404.3	-490.3	0.00	0.00	0.00
8,700.0	9.21	37.61	8,647.3	537.6	414.1	-502.1	0.00	0.00	0.00
8,800.0	9.21	37.61	8,746.1	550.2	423.8	-514.0	0.00	0.00	0.00
8,900.0	9.21	37.61	8,844.8	562.9	433.6	-525.8	0.00	0.00	0.00
9,000.0	9.21	37.61	8,943.5	575.6	443.3	-537.7	0.00	0.00	0.00
9,100.0	9.21	37.61	9,042.2	588.3	453.1	-549.5	0.00	0.00	0.00
9,200.0	9.21	37.61	9,140.9	600.9	462.9	-561.3	0.00	0.00	0.00
9,248.7	9.21	37.61	9,189.0	607.1	467.6	-567.1	0.00	0.00	0.00
9,250.0	9.09	38.22	9,190.3	607.3	467.8	-567.3	12.00	-9.37	47.16
9,275.0	7.01	53.86	9,215.0	609.7	470.2	-569.5	12.00	-8.31	62.57
9,300.0	5.80	78.77	9,239.9	610.9	472.7	-570.5	12.00	-4.83	99.66
9,325.0	6.01	108.19	9,264.7	610.7	475.2	-570.1	12.00	0.83	117.65
9,350.0	7.52	130.48	9,289.6	609.2	477.6	-568.4	12.00	6.03	89.19
9,375.0	9.74	144.06	9,314.3	606.5	480.1	-565.5	12.00	8.89	54.32
9,400.0	12.29	152.36	9,338.8	602.4	482.6	-561.2	12.00	10.22	33.18
9,425.0	15.01	157.76	9,363.1	597.0	485.1	-555.7	12.00	10.87	21.63
9,450.0	17.82	161.52	9,387.1	590.4	487.5	-548.9	12.00	11.23	15.04
9,475.0	20.68	164.28	9,410.7	582.5	489.9	-540.8	12.00	11.44	11.03
9,500.0	23.57	166.39	9,433.9	573.4	492.3	-531.5	12.00	11.57	8.44
9,525.0	26.49	168.06	9,456.5	563.1	494.6	-521.1	12.00	11.66	6.68
9,550.0	29.42	169.42	9,478.6	551.6	496.9	-509.4	12.00	11.73	5.44



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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)
9,575.0	32.36	170.55	9,500.0	539.0	499.1	-496.6	12.00	11.77	4.53
9,600.0	35.31	171.51	9,520.8	525.2	501.3	-482.8	12.00	11.81	3.85
9,625.0	38.27	172.34	9,540.8	510.4	503.4	-467.8	12.00	11.83	3.33
9,650.0	41.24	173.07	9,560.0	494.5	505.4	-451.9	12.00	11.85	2.92
9,675.0	44.20	173.72	9,578.4	477.7	507.4	-434.9	12.00	11.87	2.59
9,700.0	47.18	174.30	9,595.9	459.9	509.2	-417.0	12.00	11.88	2.33
9,725.0	50.15	174.83	9,612.4	441.2	511.0	-398.3	12.00	11.89	2.12
9,750.0	53.12	175.32	9,627.9	421.7	512.7	-378.7	12.00	11.90	1.94
9,775.0	56.10	175.77	9,642.4	401.4	514.3	-358.3	12.00	11.91	1.79
9,800.0	59.08	176.18	9,655.8	380.3	515.7	-337.2	12.00	11.92	1.67
9,825.0	62.06	176.58	9,668.0	358.6	517.1	-315.4	12.00	11.92	1.57
9,850.0	65.04	176.95	9,679.2	336.3	518.4	-293.0	12.00	11.93	1.49
9,870.1	67.44	177.23	9,687.3	317.9	519.3	-274.7	12.00	11.93	1.42
FTP (Righteous 6 State Com #301H)									
9,875.0	68.03	177.30	9,689.1	313.4	519.5	-270.1	12.00	11.93	1.39
9,900.0	71.01	177.64	9,697.9	290.0	520.6	-246.7	12.00	11.93	1.36
9,925.0	73.99	177.97	9,705.4	266.1	521.5	-222.9	12.00	11.93	1.31
9,950.0	76.98	178.29	9,711.7	242.0	522.3	-198.7	12.00	11.94	1.27
9,975.0	79.96	178.60	9,716.7	217.5	522.9	-174.3	12.00	11.94	1.24
10,000.0	82.95	178.90	9,720.4	192.8	523.5	-149.6	12.00	11.94	1.22
10,025.0	85.93	179.20	9,722.8	167.9	523.9	-124.8	12.00	11.94	1.20
10,050.0	88.92	179.50	9,723.9	142.9	524.2	-99.9	12.00	11.94	1.19
10,059.1	90.00	179.61	9,724.0	133.8	524.2	-90.8	12.00	11.94	1.19
10,100.0	90.00	179.61	9,724.0	92.9	524.5	-50.0	0.00	0.00	0.00
10,200.0	90.00	179.61	9,724.0	-7.1	525.2	49.7	0.00	0.00	0.00
10,300.0	90.00	179.61	9,724.0	-107.1	525.9	149.5	0.00	0.00	0.00
10,400.0	90.00	179.61	9,724.0	-207.1	526.6	249.2	0.00	0.00	0.00
10,500.0	90.00	179.61	9,724.0	-307.1	527.2	348.9	0.00	0.00	0.00
10,600.0	90.00	179.61	9,724.0	-407.1	527.9	448.6	0.00	0.00	0.00
10,700.0	90.00	179.61	9,724.0	-507.1	528.6	548.3	0.00	0.00	0.00
10,800.0	90.00	179.61	9,724.0	-607.1	529.3	648.1	0.00	0.00	0.00
10,900.0	90.00	179.61	9,724.0	-707.1	530.0	747.8	0.00	0.00	0.00
11,000.0	90.00	179.61	9,724.0	-807.1	530.6	847.5	0.00	0.00	0.00
11,100.0	90.00	179.61	9,724.0	-907.1	531.3	947.2	0.00	0.00	0.00
11,200.0	90.00	179.61	9,724.0	-1,007.1	532.0	1,047.0	0.00	0.00	0.00
11,300.0	90.00	179.61	9,724.0	-1,107.1	532.7	1,146.7	0.00	0.00	0.00
11,400.0	90.00	179.61	9,724.0	-1,207.1	533.4	1,246.4	0.00	0.00	0.00
11,500.0	90.00	179.61	9,724.0	-1,307.1	534.0	1,346.1	0.00	0.00	0.00
11,600.0	90.00	179.61	9,724.0	-1,407.1	534.7	1,445.8	0.00	0.00	0.00
11,700.0	90.00	179.61	9,724.0	-1,507.1	535.4	1,545.6	0.00	0.00	0.00
11,800.0	90.00	179.61	9,724.0	-1,607.1	536.1	1,645.3	0.00	0.00	0.00
11,900.0	90.00	179.61	9,724.0	-1,707.1	536.8	1,745.0	0.00	0.00	0.00
12,000.0	90.00	179.61	9,724.0	-1,807.0	537.4	1,844.7	0.00	0.00	0.00
12,100.0	90.00	179.61	9,724.0	-1,907.0	538.1	1,944.5	0.00	0.00	0.00
12,200.0	90.00	179.61	9,724.0	-2,007.0	538.8	2,044.2	0.00	0.00	0.00
12,300.0	90.00	179.61	9,724.0	-2,107.0	539.5	2,143.9	0.00	0.00	0.00
12,400.0	90.00	179.61	9,724.0	-2,207.0	540.2	2,243.6	0.00	0.00	0.00
12,500.0	90.00	179.61	9,724.0	-2,307.0	540.9	2,343.3	0.00	0.00	0.00
12,600.0	90.00	179.61	9,724.0	-2,407.0	541.5	2,443.1	0.00	0.00	0.00
12,700.0	90.00	179.61	9,724.0	-2,507.0	542.2	2,542.8	0.00	0.00	0.00
12,800.0	90.00	179.61	9,724.0	-2,607.0	542.9	2,642.5	0.00	0.00	0.00
12,900.0	90.00	179.61	9,724.0	-2,707.0	543.6	2,742.2	0.00	0.00	0.00
13,000.0	90.00	179.61	9,724.0	-2,807.0	544.3	2,842.0	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 27 NME)
 Site: Righteous 6 State Com
 Well: #301H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
 TVD Reference: KB = 25' @ 3409.0usft
 MD Reference: KB = 25' @ 3409.0usft
 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)
13,100.0	90.00	179.61	9,724.0	-2,907.0	544.9	2,941.7	0.00	0.00	0.00
13,200.0	90.00	179.61	9,724.0	-3,007.0	545.6	3,041.4	0.00	0.00	0.00
13,300.0	90.00	179.61	9,724.0	-3,107.0	546.3	3,141.1	0.00	0.00	0.00
13,400.0	90.00	179.61	9,724.0	-3,207.0	547.0	3,240.9	0.00	0.00	0.00
13,500.0	90.00	179.61	9,724.0	-3,307.0	547.7	3,340.6	0.00	0.00	0.00
13,600.0	90.00	179.61	9,724.0	-3,407.0	548.3	3,440.3	0.00	0.00	0.00
13,700.0	90.00	179.61	9,724.0	-3,507.0	549.0	3,540.0	0.00	0.00	0.00
13,800.0	90.00	179.61	9,724.0	-3,607.0	549.7	3,639.7	0.00	0.00	0.00
13,900.0	90.00	179.61	9,724.0	-3,707.0	550.4	3,739.5	0.00	0.00	0.00
14,000.0	90.00	179.61	9,724.0	-3,807.0	551.1	3,839.2	0.00	0.00	0.00
14,100.0	90.00	179.61	9,724.0	-3,907.0	551.7	3,938.9	0.00	0.00	0.00
14,200.0	90.00	179.61	9,724.0	-4,007.0	552.4	4,038.6	0.00	0.00	0.00
14,300.0	90.00	179.61	9,724.0	-4,107.0	553.1	4,138.4	0.00	0.00	0.00
14,400.0	90.00	179.61	9,724.0	-4,207.0	553.8	4,238.1	0.00	0.00	0.00
14,500.0	90.00	179.61	9,724.0	-4,307.0	554.5	4,337.8	0.00	0.00	0.00
14,600.0	90.00	179.61	9,724.0	-4,407.0	555.1	4,437.5	0.00	0.00	0.00
14,700.0	90.00	179.61	9,724.0	-4,507.0	555.8	4,537.2	0.00	0.00	0.00
14,800.0	90.00	179.61	9,724.0	-4,607.0	556.5	4,637.0	0.00	0.00	0.00
14,900.0	90.00	179.61	9,724.0	-4,707.0	557.2	4,736.7	0.00	0.00	0.00
15,000.0	90.00	179.61	9,724.0	-4,807.0	557.9	4,836.4	0.00	0.00	0.00
15,100.0	90.00	179.61	9,724.0	-4,907.0	558.5	4,936.1	0.00	0.00	0.00
15,200.0	90.00	179.61	9,724.0	-5,007.0	559.2	5,035.9	0.00	0.00	0.00
15,300.0	90.00	179.61	9,724.0	-5,107.0	559.9	5,135.6	0.00	0.00	0.00
15,400.0	90.00	179.61	9,724.0	-5,207.0	560.6	5,235.3	0.00	0.00	0.00
15,500.0	90.00	179.61	9,724.0	-5,307.0	561.3	5,335.0	0.00	0.00	0.00
15,600.0	90.00	179.61	9,724.0	-5,407.0	562.0	5,434.7	0.00	0.00	0.00
15,700.0	90.00	179.61	9,724.0	-5,507.0	562.6	5,534.5	0.00	0.00	0.00
15,800.0	90.00	179.61	9,724.0	-5,607.0	563.3	5,634.2	0.00	0.00	0.00
15,900.0	90.00	179.61	9,724.0	-5,707.0	564.0	5,733.9	0.00	0.00	0.00
16,000.0	90.00	179.61	9,724.0	-5,807.0	564.7	5,833.6	0.00	0.00	0.00
16,100.0	90.00	179.61	9,724.0	-5,907.0	565.4	5,933.4	0.00	0.00	0.00
16,200.0	90.00	179.61	9,724.0	-6,007.0	566.0	6,033.1	0.00	0.00	0.00
16,300.0	90.00	179.61	9,724.0	-6,106.9	566.7	6,132.8	0.00	0.00	0.00
16,400.0	90.00	179.61	9,724.0	-6,206.9	567.4	6,232.5	0.00	0.00	0.00
16,500.0	90.00	179.61	9,724.0	-6,306.9	568.1	6,332.2	0.00	0.00	0.00
16,600.0	90.00	179.61	9,724.0	-6,406.9	568.8	6,432.0	0.00	0.00	0.00
16,700.0	90.00	179.61	9,724.0	-6,506.9	569.4	6,531.7	0.00	0.00	0.00
16,800.0	90.00	179.61	9,724.0	-6,606.9	570.1	6,631.4	0.00	0.00	0.00
16,900.0	90.00	179.61	9,724.0	-6,706.9	570.8	6,731.1	0.00	0.00	0.00
17,000.0	90.00	179.61	9,724.0	-6,806.9	571.5	6,830.9	0.00	0.00	0.00
17,100.0	90.00	179.61	9,724.0	-6,906.9	572.2	6,930.6	0.00	0.00	0.00
17,200.0	90.00	179.61	9,724.0	-7,006.9	572.8	7,030.3	0.00	0.00	0.00
17,223.1	90.00	179.61	9,724.0	-7,030.0	573.0	7,053.3	0.00	0.00	0.00

PBHL (Righteous 6 State Com #301H)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Righteous 6 State Com
Well: #301H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3409.0usft
MD Reference: KB = 25' @ 3409.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FTP (Righteous 6 State	0.00	0.00	9,724.0	334.0	522.0	486,046.00	829,849.00	32° 19' 54.253 N	103° 15' 55.620 W
- plan misses target center by 40.2usft at 9870.1usft MD (9687.3 TVD, 317.9 N, 519.3 E)									
- Point									
PBHL (Righteous 6 State	0.00	0.00	9,724.0	-7,030.0	573.0	478,682.00	829,900.00	32° 18' 41.384 N	103° 15' 55.881 W
- plan hits target center									
- Point									