



Lea County, NM (NAD 83 NME)

Dragon 36 State

#301H

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



Azimuths to Grid North
True North: -0.43°
Magnetic North: 8.41°
Magnetic Field
Strength: 47830.3anT
Dip Angle: 60.81°
Date: 3/28/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.41°
To convert a Magnetic Direction to a True Direction, Add 8.84° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS: #301H

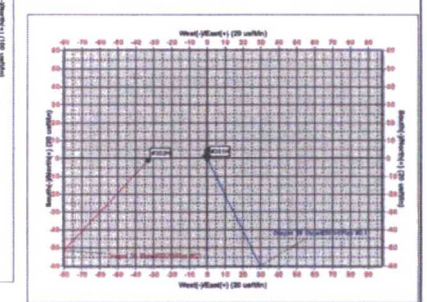
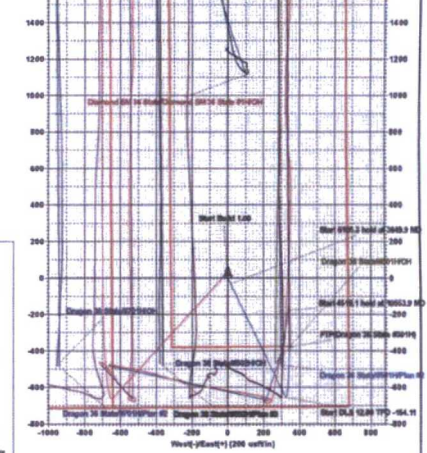
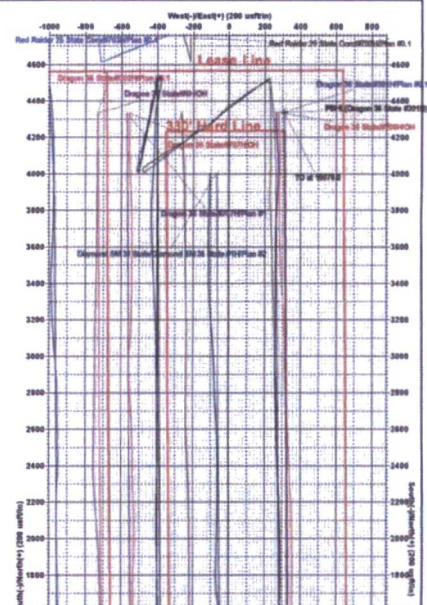
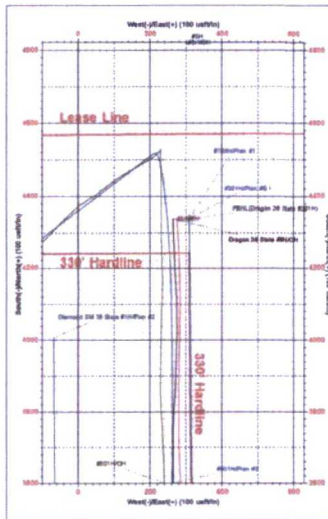
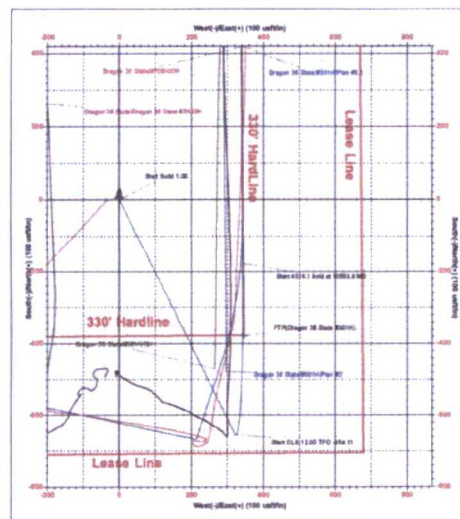
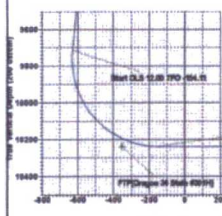
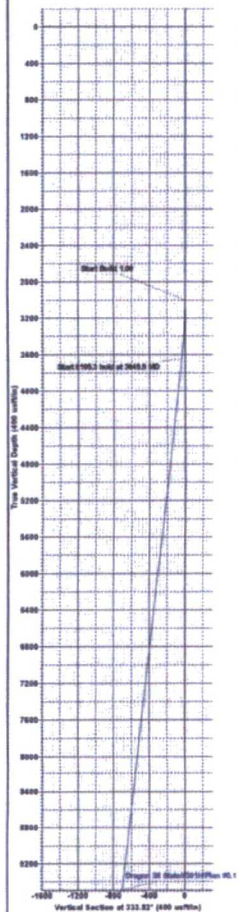
KB = 25 @ 3511 South
Northing 426079.00 Easting 783102.00 32° 10' 7.510 N
Longitude 103° 31' 10.836 W

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	3600.0	0.00	0.00	3600.0	0.0	0.0	0.00	0.00	0.0	
3	3649.9	6.50	153.82	3648.5	-33.0	16.2	1.00	153.82	-31.8	
4	9755.1	6.50	153.82	9714.5	-653.1	321.1	0.00	0.00	-628.7	
5	10553.9	90.00	359.56	10240.0	-178.0	343.5	12.00	-154.11	-153.1	
6	15070.0	90.00	359.56	10240.0	4338.0	309.0	0.00	0.00	4349.0	PBHL(Dragon 36 State #301H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
PTP(Dragon 36 State #301H)	10240.0	-378.0	345.0	426791.00	795447.00	Point
PBHL(Dragon 36 State #301H)	10240.0	4338.0	309.0	430417.00	795411.00	Point



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dragon 36 State

#301H

OH

Plan: Plan #0.1

Standard Planning Report

28 March, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dragon 36 State
Well: #301H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25 @ 3511.0usft
MD Reference: KB = 25 @ 3511.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 Dragon 36 State

Site Position: Northing: 426,079.00 usft Latitude: 32° 10' 7.510 N
From: Map Easting: 793,102.00 usft Longitude: 103° 31' 10.836 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.43 °

Well #301H

Well Position +N/-S 0.0 usft Northing: 426,079.00 usft Latitude: 32° 10' 7.510 N
+E/-W 0.0 usft Easting: 793,102.00 usft Longitude: 103° 31' 10.836 W
Position Uncertainty 0.0 usft Wellhead Elevation: Ground Level: 3,486.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/28/2018	6.84	60.01	47,830.30789109

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	4.07

Plan Survey Tool Program Date 3/28/2018

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,070.0 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	
3,649.9	6.50	153.82	3,648.5	-33.0	16.2	1.00	1.00	0.00	153.82	
9,755.1	6.50	153.82	9,714.5	-653.1	321.1	0.00	0.00	0.00	0.00	
10,553.9	90.00	359.56	10,240.0	-178.0	343.5	12.00	10.45	-19.31	-154.11	
15,070.0	90.00	359.56	10,240.0	4,338.0	309.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Stat



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dragon 36 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 @ 3511.0usft
 KB = 25 @ 3511.0usft
 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	153.82	3,100.0	-0.8	0.4	-0.8	1.00	1.00	0.00
3,200.0	2.00	153.82	3,200.0	-3.1	1.5	-3.0	1.00	1.00	0.00
3,300.0	3.00	153.82	3,299.9	-7.0	3.5	-6.8	1.00	1.00	0.00
3,400.0	4.00	153.82	3,399.7	-12.5	6.2	-12.1	1.00	1.00	0.00
3,500.0	5.00	153.82	3,499.4	-19.6	9.6	-18.8	1.00	1.00	0.00
3,600.0	6.00	153.82	3,598.9	-28.2	13.8	-27.1	1.00	1.00	0.00
3,649.9	6.50	153.82	3,648.5	-33.0	16.2	-31.8	1.00	1.00	0.00
3,700.0	6.50	153.82	3,698.3	-38.1	18.7	-36.7	0.00	0.00	0.00
3,800.0	6.50	153.82	3,797.6	-48.3	23.7	-46.5	0.00	0.00	0.00
3,900.0	6.50	153.82	3,897.0	-58.4	28.7	-56.3	0.00	0.00	0.00
4,000.0	6.50	153.82	3,996.4	-68.6	33.7	-66.0	0.00	0.00	0.00
4,100.0	6.50	153.82	4,095.7	-78.8	38.7	-75.8	0.00	0.00	0.00
4,200.0	6.50	153.82	4,195.1	-88.9	43.7	-85.6	0.00	0.00	0.00
4,300.0	6.50	153.82	4,294.4	-99.1	48.7	-95.4	0.00	0.00	0.00
4,400.0	6.50	153.82	4,393.8	-109.2	53.7	-105.1	0.00	0.00	0.00
4,500.0	6.50	153.82	4,493.1	-119.4	58.7	-114.9	0.00	0.00	0.00
4,600.0	6.50	153.82	4,592.5	-129.5	63.7	-124.7	0.00	0.00	0.00
4,700.0	6.50	153.82	4,691.9	-139.7	68.7	-134.5	0.00	0.00	0.00
4,800.0	6.50	153.82	4,791.2	-149.9	73.7	-144.2	0.00	0.00	0.00
4,900.0	6.50	153.82	4,890.6	-160.0	78.7	-154.0	0.00	0.00	0.00
5,000.0	6.50	153.82	4,989.9	-170.2	83.7	-163.8	0.00	0.00	0.00
5,100.0	6.50	153.82	5,089.3	-180.3	88.7	-173.6	0.00	0.00	0.00
5,200.0	6.50	153.82	5,188.6	-190.5	93.6	-183.3	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dragon 36 State
 Well: #301H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #301H
 TVD Reference: KB = 25 @ 3511.0usft
 MD Reference: KB = 25 @ 3511.0usft
 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	6.50	153.82	5,288.0	-200.6	98.6	-193.1	0.00	0.00	0.00
5,400.0	6.50	153.82	5,387.4	-210.8	103.6	-202.9	0.00	0.00	0.00
5,500.0	6.50	153.82	5,486.7	-221.0	108.6	-212.7	0.00	0.00	0.00
5,600.0	6.50	153.82	5,586.1	-231.1	113.6	-222.5	0.00	0.00	0.00
5,700.0	6.50	153.82	5,685.4	-241.3	118.6	-232.2	0.00	0.00	0.00
5,800.0	6.50	153.82	5,784.8	-251.4	123.6	-242.0	0.00	0.00	0.00
5,900.0	6.50	153.82	5,884.1	-261.6	128.6	-251.8	0.00	0.00	0.00
6,000.0	6.50	153.82	5,983.5	-271.7	133.6	-261.6	0.00	0.00	0.00
6,100.0	6.50	153.82	6,082.9	-281.9	138.6	-271.3	0.00	0.00	0.00
6,200.0	6.50	153.82	6,182.2	-292.0	143.6	-281.1	0.00	0.00	0.00
6,300.0	6.50	153.82	6,281.6	-302.2	148.6	-290.9	0.00	0.00	0.00
6,400.0	6.50	153.82	6,380.9	-312.4	153.6	-300.7	0.00	0.00	0.00
6,500.0	6.50	153.82	6,480.3	-322.5	158.6	-310.4	0.00	0.00	0.00
6,600.0	6.50	153.82	6,579.7	-332.7	163.6	-320.2	0.00	0.00	0.00
6,700.0	6.50	153.82	6,679.0	-342.8	168.5	-330.0	0.00	0.00	0.00
6,800.0	6.50	153.82	6,778.4	-353.0	173.5	-339.8	0.00	0.00	0.00
6,900.0	6.50	153.82	6,877.7	-363.1	178.5	-349.5	0.00	0.00	0.00
7,000.0	6.50	153.82	6,977.1	-373.3	183.5	-359.3	0.00	0.00	0.00
7,100.0	6.50	153.82	7,076.4	-383.5	188.5	-369.1	0.00	0.00	0.00
7,200.0	6.50	153.82	7,175.8	-393.6	193.5	-378.9	0.00	0.00	0.00
7,300.0	6.50	153.82	7,275.2	-403.8	198.5	-388.6	0.00	0.00	0.00
7,400.0	6.50	153.82	7,374.5	-413.9	203.5	-398.4	0.00	0.00	0.00
7,500.0	6.50	153.82	7,473.9	-424.1	208.5	-408.2	0.00	0.00	0.00
7,600.0	6.50	153.82	7,573.2	-434.2	213.5	-418.0	0.00	0.00	0.00
7,700.0	6.50	153.82	7,672.6	-444.4	218.5	-427.8	0.00	0.00	0.00
7,800.0	6.50	153.82	7,771.9	-454.6	223.5	-437.5	0.00	0.00	0.00
7,900.0	6.50	153.82	7,871.3	-464.7	228.5	-447.3	0.00	0.00	0.00
8,000.0	6.50	153.82	7,970.7	-474.9	233.5	-457.1	0.00	0.00	0.00
8,100.0	6.50	153.82	8,070.0	-485.0	238.5	-466.9	0.00	0.00	0.00
8,200.0	6.50	153.82	8,169.4	-495.2	243.4	-476.6	0.00	0.00	0.00
8,300.0	6.50	153.82	8,268.7	-505.3	248.4	-486.4	0.00	0.00	0.00
8,400.0	6.50	153.82	8,368.1	-515.5	253.4	-496.2	0.00	0.00	0.00
8,500.0	6.50	153.82	8,467.4	-525.7	258.4	-506.0	0.00	0.00	0.00
8,600.0	6.50	153.82	8,566.8	-535.8	263.4	-515.7	0.00	0.00	0.00
8,700.0	6.50	153.82	8,666.2	-546.0	268.4	-525.5	0.00	0.00	0.00
8,800.0	6.50	153.82	8,765.5	-556.1	273.4	-535.3	0.00	0.00	0.00
8,900.0	6.50	153.82	8,864.9	-566.3	278.4	-545.1	0.00	0.00	0.00
9,000.0	6.50	153.82	8,964.2	-576.4	283.4	-554.8	0.00	0.00	0.00
9,100.0	6.50	153.82	9,063.6	-586.6	288.4	-564.6	0.00	0.00	0.00
9,200.0	6.50	153.82	9,162.9	-596.7	293.4	-574.4	0.00	0.00	0.00
9,300.0	6.50	153.82	9,262.3	-606.9	298.4	-584.2	0.00	0.00	0.00
9,400.0	6.50	153.82	9,361.7	-617.1	303.4	-593.9	0.00	0.00	0.00
9,500.0	6.50	153.82	9,461.0	-627.2	308.4	-603.7	0.00	0.00	0.00
9,600.0	6.50	153.82	9,560.4	-637.4	313.4	-613.5	0.00	0.00	0.00
9,700.0	6.50	153.82	9,659.7	-647.5	318.3	-623.3	0.00	0.00	0.00
9,755.1	6.50	153.82	9,714.5	-653.1	321.1	-628.7	0.00	0.00	0.00
9,775.0	4.47	140.35	9,734.3	-654.7	322.1	-630.2	12.00	-10.18	-67.75
9,800.0	2.87	98.91	9,759.2	-655.6	323.3	-631.0	12.00	-6.42	-165.78
9,825.0	3.80	47.71	9,784.2	-655.1	324.6	-630.4	12.00	3.72	-204.78
9,850.0	6.21	26.58	9,809.1	-653.4	325.8	-628.6	12.00	9.66	-84.52
9,875.0	8.99	17.79	9,833.9	-650.3	327.0	-625.4	12.00	11.09	-35.18
9,900.0	11.87	13.17	9,858.5	-645.9	328.2	-621.0	12.00	11.53	-18.46
9,925.0	14.80	10.35	9,882.8	-640.3	329.3	-615.3	12.00	11.72	-11.28
9,950.0	17.75	8.45	9,906.8	-633.4	330.5	-608.3	12.00	11.81	-7.61



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dragon 36 State
 Well: #301H
 Wellbore: OH
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Local Co-ordinate Reference: Well #301H
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 North Reference: Grid
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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)
9,975.0	20.72	7.08	9,930.4	-625.2	331.6	-600.1	12.00	11.86	-5.49
10,000.0	23.69	6.04	9,953.5	-615.8	332.6	-590.6	12.00	11.90	-4.17
10,025.0	26.67	5.21	9,976.2	-605.2	333.7	-580.0	12.00	11.92	-3.29
10,050.0	29.66	4.55	9,998.2	-593.5	334.7	-568.2	12.00	11.93	-2.67
10,075.0	32.64	3.99	10,019.6	-580.6	335.6	-555.3	12.00	11.95	-2.22
10,100.0	35.63	3.52	10,040.3	-566.6	336.6	-541.2	12.00	11.95	-1.89
10,125.0	38.62	3.11	10,060.2	-551.5	337.4	-526.1	12.00	11.96	-1.63
10,150.0	41.61	2.76	10,079.3	-535.4	338.3	-510.0	12.00	11.96	-1.43
10,175.0	44.61	2.44	10,097.6	-518.4	339.0	-493.0	12.00	11.97	-1.27
10,200.0	47.60	2.15	10,114.9	-500.4	339.7	-475.0	12.00	11.97	-1.14
10,225.0	50.59	1.89	10,131.3	-481.5	340.4	-456.1	12.00	11.97	-1.04
10,250.0	53.59	1.65	10,146.6	-461.8	341.0	-436.4	12.00	11.98	-0.95
10,275.0	56.58	1.43	10,160.9	-441.3	341.6	-415.9	12.00	11.98	-0.88
10,300.0	59.58	1.23	10,174.2	-420.1	342.1	-394.7	12.00	11.98	-0.82
10,325.0	62.57	1.03	10,186.2	-398.2	342.5	-372.9	12.00	11.98	-0.77
10,350.0	65.57	0.85	10,197.2	-375.7	342.9	-350.4	12.00	11.98	-0.73
10,364.6	67.32	0.75	10,203.0	-362.3	343.1	-337.0	12.00	11.98	-0.71
FTP(Dragon 36 State #301H)									
10,375.0	68.56	0.68	10,206.9	-352.7	343.2	-327.4	12.00	11.98	-0.69
10,400.0	71.56	0.51	10,215.4	-329.2	343.4	-304.0	12.00	11.98	-0.67
10,425.0	74.55	0.35	10,222.7	-305.3	343.6	-280.1	12.00	11.98	-0.65
10,450.0	77.55	0.19	10,228.8	-281.0	343.7	-255.9	12.00	11.98	-0.63
10,475.0	80.55	0.03	10,233.5	-256.5	343.8	-231.4	12.00	11.98	-0.62
10,500.0	83.54	359.88	10,237.0	-231.7	343.7	-206.7	12.00	11.99	-0.60
10,525.0	86.54	359.73	10,239.1	-206.8	343.7	-181.9	12.00	11.99	-0.60
10,550.0	89.53	359.59	10,240.0	-181.9	343.5	-157.0	12.00	11.99	-0.59
10,553.9	90.00	359.56	10,240.0	-178.0	343.5	-153.1	12.00	11.99	-0.59
10,600.0	90.00	359.56	10,240.0	-131.9	343.1	-107.1	0.00	0.00	0.00
10,700.0	90.00	359.56	10,240.0	-31.9	342.4	-7.5	0.00	0.00	0.00
10,800.0	90.00	359.56	10,240.0	68.1	341.6	92.2	0.00	0.00	0.00
10,900.0	90.00	359.56	10,240.0	168.1	340.8	191.9	0.00	0.00	0.00
11,000.0	90.00	359.56	10,240.0	268.1	340.1	291.6	0.00	0.00	0.00
11,100.0	90.00	359.56	10,240.0	368.1	339.3	391.3	0.00	0.00	0.00
11,200.0	90.00	359.56	10,240.0	468.1	338.5	491.0	0.00	0.00	0.00
11,300.0	90.00	359.56	10,240.0	568.1	337.8	590.7	0.00	0.00	0.00
11,400.0	90.00	359.56	10,240.0	668.1	337.0	690.4	0.00	0.00	0.00
11,500.0	90.00	359.56	10,240.0	768.1	336.3	790.1	0.00	0.00	0.00
11,600.0	90.00	359.56	10,240.0	868.1	335.5	889.8	0.00	0.00	0.00
11,700.0	90.00	359.56	10,240.0	968.1	334.7	989.5	0.00	0.00	0.00
11,800.0	90.00	359.56	10,240.0	1,068.1	334.0	1,089.1	0.00	0.00	0.00
11,900.0	90.00	359.56	10,240.0	1,168.1	333.2	1,188.8	0.00	0.00	0.00
12,000.0	90.00	359.56	10,240.0	1,268.1	332.4	1,288.5	0.00	0.00	0.00
12,100.0	90.00	359.56	10,240.0	1,368.1	331.7	1,388.2	0.00	0.00	0.00
12,200.0	90.00	359.56	10,240.0	1,468.1	330.9	1,487.9	0.00	0.00	0.00
12,300.0	90.00	359.56	10,240.0	1,568.1	330.1	1,587.6	0.00	0.00	0.00
12,400.0	90.00	359.56	10,240.0	1,668.1	329.4	1,687.3	0.00	0.00	0.00
12,500.0	90.00	359.56	10,240.0	1,768.1	328.6	1,787.0	0.00	0.00	0.00
12,600.0	90.00	359.56	10,240.0	1,868.1	327.9	1,886.7	0.00	0.00	0.00
12,700.0	90.00	359.56	10,240.0	1,968.1	327.1	1,986.4	0.00	0.00	0.00
12,800.0	90.00	359.56	10,240.0	2,068.1	326.3	2,086.0	0.00	0.00	0.00
12,900.0	90.00	359.56	10,240.0	2,168.1	325.6	2,185.7	0.00	0.00	0.00
13,000.0	90.00	359.56	10,240.0	2,268.1	324.8	2,285.4	0.00	0.00	0.00
13,100.0	90.00	359.56	10,240.0	2,368.1	324.0	2,385.1	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #301H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3511.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3511.0usft
Site:	Dragon 36 State	North Reference:	Grid
Well:	#301H	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)	
13,200.0	90.00	359.56	10,240.0	2,468.1	323.3	2,484.8	0.00	0.00	0.00	
13,300.0	90.00	359.56	10,240.0	2,568.1	322.5	2,584.5	0.00	0.00	0.00	
13,400.0	90.00	359.56	10,240.0	2,668.1	321.7	2,684.2	0.00	0.00	0.00	
13,500.0	90.00	359.56	10,240.0	2,768.1	321.0	2,783.9	0.00	0.00	0.00	
13,600.0	90.00	359.56	10,240.0	2,868.1	320.2	2,883.6	0.00	0.00	0.00	
13,700.0	90.00	359.56	10,240.0	2,968.1	319.5	2,983.3	0.00	0.00	0.00	
13,800.0	90.00	359.56	10,240.0	3,068.1	318.7	3,082.9	0.00	0.00	0.00	
13,900.0	90.00	359.56	10,240.0	3,168.1	317.9	3,182.6	0.00	0.00	0.00	
14,000.0	90.00	359.56	10,240.0	3,268.0	317.2	3,282.3	0.00	0.00	0.00	
14,100.0	90.00	359.56	10,240.0	3,368.0	316.4	3,382.0	0.00	0.00	0.00	
14,200.0	90.00	359.56	10,240.0	3,468.0	315.6	3,481.7	0.00	0.00	0.00	
14,300.0	90.00	359.56	10,240.0	3,568.0	314.9	3,581.4	0.00	0.00	0.00	
14,400.0	90.00	359.56	10,240.0	3,668.0	314.1	3,681.1	0.00	0.00	0.00	
14,500.0	90.00	359.56	10,240.0	3,768.0	313.4	3,780.8	0.00	0.00	0.00	
14,600.0	90.00	359.56	10,240.0	3,868.0	312.6	3,880.5	0.00	0.00	0.00	
14,700.0	90.00	359.56	10,240.0	3,968.0	311.8	3,980.2	0.00	0.00	0.00	
14,800.0	90.00	359.56	10,240.0	4,068.0	311.1	4,079.8	0.00	0.00	0.00	
14,900.0	90.00	359.56	10,240.0	4,168.0	310.3	4,179.5	0.00	0.00	0.00	
15,000.0	90.00	359.56	10,240.0	4,268.0	309.5	4,279.2	0.00	0.00	0.00	
15,070.0	90.00	359.56	10,240.0	4,338.0	309.0	4,349.0	0.00	0.00	0.00	
PBHL(Dragon 36 State #301H)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP(Dragon 36 State #3	0.00	0.00	10,240.0	-378.0	345.0	425,701.00	793,447.00	32° 10' 3.743 N	103° 31' 6.856 W	
- hit/miss target										
- Shape										
- plan misses target center by 40.2usft at 10364.6usft MD (10203.0 TVD, -362.3 N, 343.1 E)										
- Point										
PBHL(Dragon 36 State #	0.00	0.00	10,240.0	4,338.0	309.0	430,417.00	793,411.00	32° 10' 50.412 N	103° 31' 6.859 W	
- plan hits target center										
- Point										