

HOBBS OCD
FEB 10 2018
RECEIVED



Lea County, NM (NAD 83 NME)
Fruit Loop 29 State #503H
Plan #0.1

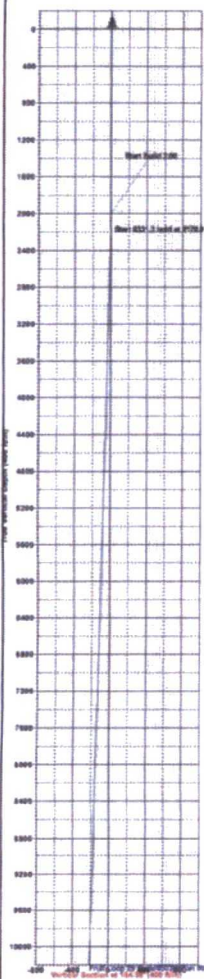
PROJECT DETAILS: Lea County, NM (NAD 83 NME)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #503H
KB = 25' @ 3777.0H
Northing 530503.00 Easting 767345.00
3752.0
Latitude 32.45629487 Longitude -103.50960544

Azimuths to Grid North
True North: -0.39°
Magnetic North: 8.52°

Magnetic Field
Strength: 48001.0nT
Dip Angle: 60.59°
Date: 2/15/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.52°
To convert a Magnetic Direction to a True Direction, Add 8.91° East
To convert a True Direction to a Grid Direction, Subtract 8.39°

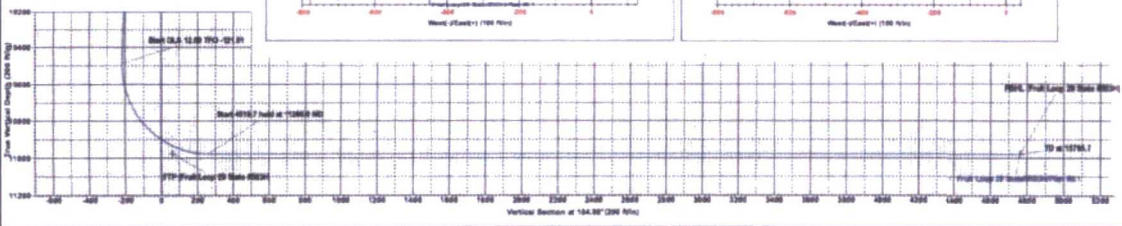
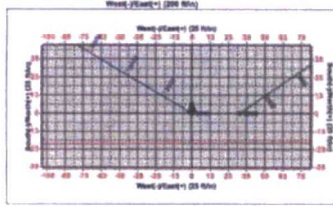
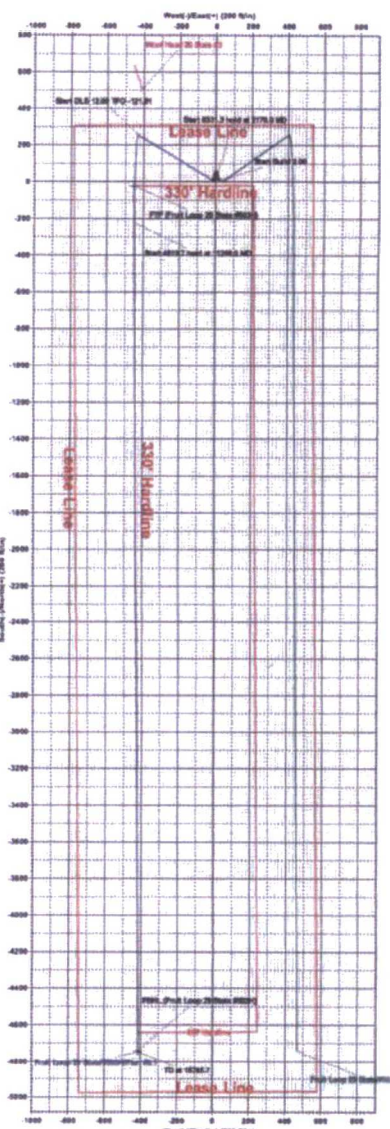
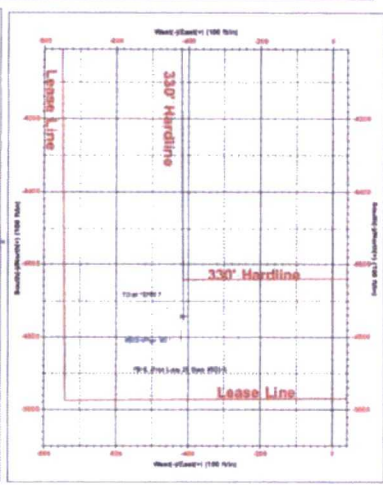
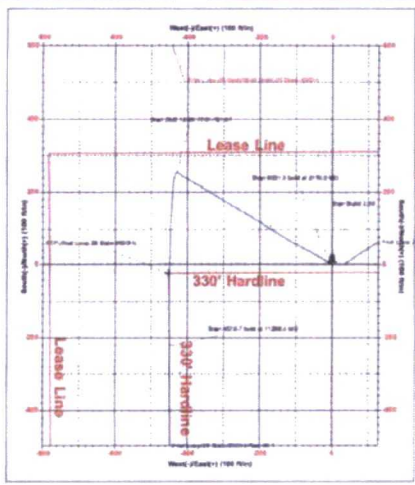


SECTION DETAILS									
	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSecl
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0
3	2170.0	3.40	300.58	2169.9	2.6	-4.3	2.00	300.58	-2.2
4	10501.4	3.40	300.58	10486.6	254.0	-429.8	0.00	0.00	-215.7
5	11266.0	90.00	179.52	10978.0	-223.5	-450.9	12.00	-121.01	261.7
6	15785.7	90.00	179.52	10978.0	-4743.0	-413.0	0.00	0.00	4761.0

Target: PBHL (Fruit Loop 29 State #503H)

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (Fruit Loop 29 State #503H)	10978.0	-4743.0	-413.0	525760.00	766922.00
FTP (Fruit Loop 29 State #503H)	10978.0	-34.0	-452.0	530479.00	766923.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Fruit Loop 29 State

#503H

OH

Plan: Plan #0.1

Standard Planning Report

15 February, 2018



Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Fruit Loop 29 State
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25' @ 3777.0ft
MD Reference: KB = 25' @ 3777.0ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project: Lea County, NM (NAD 83 NME)
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Site: Fruit Loop 29 State
Site Position: Northing: 530,503.00 usft Latitude: 32.45628435
From: Map Easting: 767,378.00 usft Longitude: -103.60049846
Position Uncertainty: 0.0 ft Slot Radius: 13-3/16 " Grid Convergence: 0.39 °

Well: #503H
Well Position: +N/-S 0.0 ft Northing: 530,503.00 usft Latitude: 32.45628497
+E/-W -33.0 ft Easting: 767,345.00 usft Longitude: -103.60060544
Position Uncertainty: 0.0 ft Wellhead Elevation: Ground Level: 3,752.0 ft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/15/2018	6.91	60.26	48,001.92544319

Design: Plan #0.1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	184.98

Plan Survey Tool Program Date: 2/15/2018

Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,785.7 Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,170.0	3.40	300.58	2,169.9	2.6	-4.3	2.00	2.00	0.00	300.58	
10,501.4	3.40	300.58	10,486.6	254.0	-429.8	0.00	0.00	0.00	0.00	
11,266.0	90.00	179.52	10,978.0	-223.5	-450.9	12.00	11.33	-15.83	-121.01	
15,785.7	90.00	179.52	10,978.0	-4,743.0	-413.0	0.00	0.00	0.00	0.00	PBHL (Fruit Loop 29)



Planning Report



Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Fruit Loop 29 State
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25' @ 3777.0ft
MD Reference: KB = 25' @ 3777.0ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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	2.00	300.58	2,100.0	0.9	-1.5	-0.8	2.00	2.00	0.00
2,170.0	3.40	300.58	2,169.9	2.6	-4.3	-2.2	2.00	2.00	0.00
2,200.0	3.40	300.58	2,199.8	3.5	-5.9	-2.9	0.00	0.00	0.00
2,300.0	3.40	300.58	2,299.7	6.5	-11.0	-5.5	0.00	0.00	0.00
2,400.0	3.40	300.58	2,399.5	9.5	-16.1	-8.1	0.00	0.00	0.00
2,500.0	3.40	300.58	2,499.3	12.5	-21.2	-10.6	0.00	0.00	0.00
2,600.0	3.40	300.58	2,599.1	15.5	-26.3	-13.2	0.00	0.00	0.00
2,700.0	3.40	300.58	2,699.0	18.6	-31.4	-15.8	0.00	0.00	0.00
2,800.0	3.40	300.58	2,798.8	21.6	-36.5	-18.3	0.00	0.00	0.00
2,900.0	3.40	300.58	2,898.6	24.6	-41.6	-20.9	0.00	0.00	0.00
3,000.0	3.40	300.58	2,998.4	27.6	-46.7	-23.5	0.00	0.00	0.00
3,100.0	3.40	300.58	3,098.3	30.6	-51.8	-26.0	0.00	0.00	0.00
3,200.0	3.40	300.58	3,198.1	33.6	-56.9	-28.6	0.00	0.00	0.00
3,300.0	3.40	300.58	3,297.9	36.7	-62.1	-31.1	0.00	0.00	0.00
3,400.0	3.40	300.58	3,397.7	39.7	-67.2	-33.7	0.00	0.00	0.00
3,500.0	3.40	300.58	3,497.6	42.7	-72.3	-36.3	0.00	0.00	0.00
3,600.0	3.40	300.58	3,597.4	45.7	-77.4	-38.8	0.00	0.00	0.00
3,700.0	3.40	300.58	3,697.2	48.7	-82.5	-41.4	0.00	0.00	0.00
3,800.0	3.40	300.58	3,797.0	51.8	-87.6	-44.0	0.00	0.00	0.00
3,900.0	3.40	300.58	3,896.9	54.8	-92.7	-46.5	0.00	0.00	0.00
4,000.0	3.40	300.58	3,996.7	57.8	-97.8	-49.1	0.00	0.00	0.00
4,100.0	3.40	300.58	4,096.5	60.8	-102.9	-51.6	0.00	0.00	0.00
4,200.0	3.40	300.58	4,196.3	63.8	-108.0	-54.2	0.00	0.00	0.00
4,300.0	3.40	300.58	4,296.1	66.8	-113.1	-56.8	0.00	0.00	0.00
4,400.0	3.40	300.58	4,396.0	69.9	-118.2	-59.3	0.00	0.00	0.00
4,500.0	3.40	300.58	4,495.8	72.9	-123.3	-61.9	0.00	0.00	0.00
4,600.0	3.40	300.58	4,595.6	75.9	-128.4	-64.5	0.00	0.00	0.00
4,700.0	3.40	300.58	4,695.4	78.9	-133.6	-67.0	0.00	0.00	0.00
4,800.0	3.40	300.58	4,795.3	81.9	-138.7	-69.6	0.00	0.00	0.00
4,900.0	3.40	300.58	4,895.1	84.9	-143.8	-72.2	0.00	0.00	0.00
5,000.0	3.40	300.58	4,994.9	88.0	-148.9	-74.7	0.00	0.00	0.00
5,100.0	3.40	300.58	5,094.7	91.0	-154.0	-77.3	0.00	0.00	0.00
5,200.0	3.40	300.58	5,194.6	94.0	-159.1	-79.8	0.00	0.00	0.00



Planning Report



Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Fruit Loop 29 State
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #503H
KB = 25' @ 3777.0ft
KB = 25' @ 3777.0ft
Grid
Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	3.40	300.58	5,294.4	97.0	-164.2	-82.4	0.00	0.00	0.00
5,400.0	3.40	300.58	5,394.2	100.0	-169.3	-85.0	0.00	0.00	0.00
5,500.0	3.40	300.58	5,494.0	103.1	-174.4	-87.5	0.00	0.00	0.00
5,600.0	3.40	300.58	5,593.9	106.1	-179.5	-90.1	0.00	0.00	0.00
5,700.0	3.40	300.58	5,693.7	109.1	-184.6	-92.7	0.00	0.00	0.00
5,800.0	3.40	300.58	5,793.5	112.1	-189.7	-95.2	0.00	0.00	0.00
5,900.0	3.40	300.58	5,893.3	115.1	-194.8	-97.8	0.00	0.00	0.00
6,000.0	3.40	300.58	5,993.2	118.1	-199.9	-100.4	0.00	0.00	0.00
6,100.0	3.40	300.58	6,093.0	121.2	-205.1	-102.9	0.00	0.00	0.00
6,200.0	3.40	300.58	6,192.8	124.2	-210.2	-105.5	0.00	0.00	0.00
6,300.0	3.40	300.58	6,292.6	127.2	-215.3	-108.0	0.00	0.00	0.00
6,400.0	3.40	300.58	6,392.5	130.2	-220.4	-110.6	0.00	0.00	0.00
6,500.0	3.40	300.58	6,492.3	133.2	-225.5	-113.2	0.00	0.00	0.00
6,600.0	3.40	300.58	6,592.1	136.2	-230.6	-115.7	0.00	0.00	0.00
6,700.0	3.40	300.58	6,691.9	139.3	-235.7	-118.3	0.00	0.00	0.00
6,800.0	3.40	300.58	6,791.7	142.3	-240.8	-120.9	0.00	0.00	0.00
6,900.0	3.40	300.58	6,891.6	145.3	-245.9	-123.4	0.00	0.00	0.00
7,000.0	3.40	300.58	6,991.4	148.3	-251.0	-126.0	0.00	0.00	0.00
7,100.0	3.40	300.58	7,091.2	151.3	-256.1	-128.5	0.00	0.00	0.00
7,200.0	3.40	300.58	7,191.0	154.4	-261.2	-131.1	0.00	0.00	0.00
7,300.0	3.40	300.58	7,290.9	157.4	-266.3	-133.7	0.00	0.00	0.00
7,400.0	3.40	300.58	7,390.7	160.4	-271.5	-136.2	0.00	0.00	0.00
7,500.0	3.40	300.58	7,490.5	163.4	-276.6	-138.8	0.00	0.00	0.00
7,600.0	3.40	300.58	7,590.3	166.4	-281.7	-141.4	0.00	0.00	0.00
7,700.0	3.40	300.58	7,690.2	169.4	-286.8	-143.9	0.00	0.00	0.00
7,800.0	3.40	300.58	7,790.0	172.5	-291.9	-146.5	0.00	0.00	0.00
7,900.0	3.40	300.58	7,889.8	175.5	-297.0	-149.1	0.00	0.00	0.00
8,000.0	3.40	300.58	7,989.6	178.5	-302.1	-151.6	0.00	0.00	0.00
8,100.0	3.40	300.58	8,089.5	181.5	-307.2	-154.2	0.00	0.00	0.00
8,200.0	3.40	300.58	8,189.3	184.5	-312.3	-156.7	0.00	0.00	0.00
8,300.0	3.40	300.58	8,289.1	187.5	-317.4	-159.3	0.00	0.00	0.00
8,400.0	3.40	300.58	8,388.9	190.6	-322.5	-161.9	0.00	0.00	0.00
8,500.0	3.40	300.58	8,488.8	193.6	-327.6	-164.4	0.00	0.00	0.00
8,600.0	3.40	300.58	8,588.6	196.6	-332.7	-167.0	0.00	0.00	0.00
8,700.0	3.40	300.58	8,688.4	199.6	-337.8	-169.6	0.00	0.00	0.00
8,800.0	3.40	300.58	8,788.2	202.6	-343.0	-172.1	0.00	0.00	0.00
8,900.0	3.40	300.58	8,888.0	205.7	-348.1	-174.7	0.00	0.00	0.00
9,000.0	3.40	300.58	8,987.9	208.7	-353.2	-177.2	0.00	0.00	0.00
9,100.0	3.40	300.58	9,087.7	211.7	-358.3	-179.8	0.00	0.00	0.00
9,200.0	3.40	300.58	9,187.5	214.7	-363.4	-182.4	0.00	0.00	0.00
9,300.0	3.40	300.58	9,287.3	217.7	-368.5	-184.9	0.00	0.00	0.00
9,400.0	3.40	300.58	9,387.2	220.7	-373.6	-187.5	0.00	0.00	0.00
9,500.0	3.40	300.58	9,487.0	223.8	-378.7	-190.1	0.00	0.00	0.00
9,600.0	3.40	300.58	9,586.8	226.8	-383.8	-192.6	0.00	0.00	0.00
9,700.0	3.40	300.58	9,686.6	229.8	-388.9	-195.2	0.00	0.00	0.00
9,800.0	3.40	300.58	9,786.5	232.8	-394.0	-197.8	0.00	0.00	0.00
9,900.0	3.40	300.58	9,886.3	235.8	-399.1	-200.3	0.00	0.00	0.00
10,000.0	3.40	300.58	9,986.1	238.8	-404.2	-202.9	0.00	0.00	0.00
10,100.0	3.40	300.58	10,085.9	241.9	-409.3	-205.4	0.00	0.00	0.00
10,200.0	3.40	300.58	10,185.8	244.9	-414.5	-208.0	0.00	0.00	0.00
10,300.0	3.40	300.58	10,285.6	247.9	-419.6	-210.6	0.00	0.00	0.00
10,400.0	3.40	300.58	10,385.4	250.9	-424.7	-213.1	0.00	0.00	0.00
10,501.4	3.40	300.58	10,486.6	254.0	-429.8	-215.7	0.00	0.00	0.00
10,525.0	3.11	249.11	10,510.2	254.1	-431.0	-215.8	12.00	-1.23	-217.66



Planning Report



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Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,550.0	5.02	214.97	10,535.1	253.0	-432.3	-214.5	12.00	7.63	-136.53
10,575.0	7.66	201.77	10,560.0	250.5	-433.6	-212.0	12.00	10.57	-52.81
10,600.0	10.49	195.47	10,584.7	246.8	-434.8	-208.1	12.00	11.34	-25.18
10,625.0	13.40	191.86	10,609.1	241.8	-436.0	-203.0	12.00	11.63	-14.46
10,650.0	16.34	189.52	10,633.3	235.4	-437.2	-196.6	12.00	11.76	-9.36
10,675.0	19.30	187.88	10,657.1	227.9	-438.3	-189.0	12.00	11.83	-6.56
10,700.0	22.27	186.66	10,680.5	219.1	-439.4	-180.1	12.00	11.88	-4.87
10,725.0	25.24	185.72	10,703.3	209.1	-440.5	-170.1	12.00	11.90	-3.77
10,750.0	28.22	184.96	10,725.7	197.9	-441.5	-158.8	12.00	11.92	-3.02
10,775.0	31.21	184.34	10,747.4	185.5	-442.5	-146.4	12.00	11.94	-2.49
10,800.0	34.19	183.82	10,768.4	172.1	-443.5	-132.9	12.00	11.95	-2.09
10,825.0	37.18	183.37	10,788.7	157.5	-444.4	-118.4	12.00	11.95	-1.80
10,850.0	40.17	182.98	10,808.2	141.9	-445.3	-102.7	12.00	11.96	-1.56
10,875.0	43.16	182.63	10,826.9	125.3	-446.1	-86.1	12.00	11.96	-1.38
10,900.0	46.16	182.32	10,844.7	107.8	-446.9	-68.6	12.00	11.97	-1.24
10,925.0	49.15	182.04	10,861.5	89.3	-447.6	-50.1	12.00	11.97	-1.12
10,950.0	52.14	181.79	10,877.4	70.0	-448.2	-30.8	12.00	11.97	-1.02
10,975.0	55.14	181.55	10,892.2	49.9	-448.8	-10.7	12.00	11.98	-0.94
11,000.0	58.13	181.33	10,905.9	29.0	-449.3	10.1	12.00	11.98	-0.88
11,025.0	61.12	181.13	10,918.6	7.4	-449.8	31.6	12.00	11.98	-0.82
11,050.0	64.12	180.94	10,930.1	-14.8	-450.2	53.8	12.00	11.98	-0.77
11,075.0	67.12	180.75	10,940.4	-37.5	-450.5	76.5	12.00	11.98	-0.74
11,100.0	70.11	180.58	10,949.5	-60.8	-450.8	99.7	12.00	11.98	-0.70
11,125.0	73.11	180.41	10,957.4	-84.5	-451.0	123.3	12.00	11.98	-0.68
11,150.0	76.10	180.24	10,964.0	-108.6	-451.1	147.3	12.00	11.98	-0.66
11,175.0	79.10	180.08	10,969.4	-133.0	-451.2	171.7	12.00	11.98	-0.64
11,200.0	82.09	179.93	10,973.5	-157.7	-451.2	196.2	12.00	11.98	-0.63
11,225.0	85.09	179.77	10,976.3	-182.5	-451.1	221.0	12.00	11.98	-0.62
11,250.0	88.09	179.62	10,977.8	-207.5	-451.0	245.8	12.00	11.98	-0.61
11,266.0	90.00	179.52	10,978.0	-223.5	-450.9	261.7	12.00	11.98	-0.61
11,300.0	90.00	179.52	10,978.0	-257.5	-450.6	295.6	0.00	0.00	0.00
11,400.0	90.00	179.52	10,978.0	-357.5	-449.7	395.2	0.00	0.00	0.00
11,500.0	90.00	179.52	10,978.0	-457.5	-448.9	494.7	0.00	0.00	0.00
11,600.0	90.00	179.52	10,978.0	-557.5	-448.1	594.2	0.00	0.00	0.00
11,700.0	90.00	179.52	10,978.0	-657.5	-447.2	693.8	0.00	0.00	0.00
11,800.0	90.00	179.52	10,978.0	-757.5	-446.4	793.3	0.00	0.00	0.00
11,900.0	90.00	179.52	10,978.0	-857.5	-445.6	892.9	0.00	0.00	0.00
12,000.0	90.00	179.52	10,978.0	-957.5	-444.7	992.4	0.00	0.00	0.00
12,100.0	90.00	179.52	10,978.0	-1,057.5	-443.9	1,092.0	0.00	0.00	0.00
12,200.0	90.00	179.52	10,978.0	-1,157.5	-443.0	1,191.5	0.00	0.00	0.00
12,300.0	90.00	179.52	10,978.0	-1,257.5	-442.2	1,291.1	0.00	0.00	0.00
12,400.0	90.00	179.52	10,978.0	-1,357.5	-441.4	1,390.6	0.00	0.00	0.00
12,500.0	90.00	179.52	10,978.0	-1,457.4	-440.5	1,490.2	0.00	0.00	0.00
12,600.0	90.00	179.52	10,978.0	-1,557.4	-439.7	1,589.7	0.00	0.00	0.00
12,700.0	90.00	179.52	10,978.0	-1,657.4	-438.9	1,689.3	0.00	0.00	0.00
12,800.0	90.00	179.52	10,978.0	-1,757.4	-438.0	1,788.8	0.00	0.00	0.00
12,900.0	90.00	179.52	10,978.0	-1,857.4	-437.2	1,888.4	0.00	0.00	0.00
13,000.0	90.00	179.52	10,978.0	-1,957.4	-436.3	1,987.9	0.00	0.00	0.00
13,100.0	90.00	179.52	10,978.0	-2,057.4	-435.5	2,087.4	0.00	0.00	0.00
13,200.0	90.00	179.52	10,978.0	-2,157.4	-434.7	2,187.0	0.00	0.00	0.00
13,300.0	90.00	179.52	10,978.0	-2,257.4	-433.8	2,286.5	0.00	0.00	0.00
13,400.0	90.00	179.52	10,978.0	-2,357.4	-433.0	2,386.1	0.00	0.00	0.00
13,500.0	90.00	179.52	10,978.0	-2,457.4	-432.1	2,485.6	0.00	0.00	0.00
13,600.0	90.00	179.52	10,978.0	-2,557.4	-431.3	2,585.2	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Fruit Loop 29 State
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25' @ 3777.0ft
MD Reference: KB = 25' @ 3777.0ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,700.0	90.00	179.52	10,978.0	-2,657.4	-430.5	2,684.7	0.00	0.00	0.00
13,800.0	90.00	179.52	10,978.0	-2,757.4	-429.6	2,784.3	0.00	0.00	0.00
13,900.0	90.00	179.52	10,978.0	-2,857.4	-428.8	2,883.8	0.00	0.00	0.00
14,000.0	90.00	179.52	10,978.0	-2,957.4	-428.0	2,983.4	0.00	0.00	0.00
14,100.0	90.00	179.52	10,978.0	-3,057.4	-427.1	3,082.9	0.00	0.00	0.00
14,200.0	90.00	179.52	10,978.0	-3,157.4	-426.3	3,182.5	0.00	0.00	0.00
14,300.0	90.00	179.52	10,978.0	-3,257.4	-425.4	3,282.0	0.00	0.00	0.00
14,400.0	90.00	179.52	10,978.0	-3,357.4	-424.6	3,381.6	0.00	0.00	0.00
14,500.0	90.00	179.52	10,978.0	-3,457.4	-423.8	3,481.1	0.00	0.00	0.00
14,600.0	90.00	179.52	10,978.0	-3,557.4	-422.9	3,580.7	0.00	0.00	0.00
14,700.0	90.00	179.52	10,978.0	-3,657.4	-422.1	3,680.2	0.00	0.00	0.00
14,800.0	90.00	179.52	10,978.0	-3,757.4	-421.3	3,779.7	0.00	0.00	0.00
14,900.0	90.00	179.52	10,978.0	-3,857.4	-420.4	3,879.3	0.00	0.00	0.00
15,000.0	90.00	179.52	10,978.0	-3,957.4	-419.6	3,978.8	0.00	0.00	0.00
15,100.0	90.00	179.52	10,978.0	-4,057.4	-418.7	4,078.4	0.00	0.00	0.00
15,200.0	90.00	179.52	10,978.0	-4,157.4	-417.9	4,177.9	0.00	0.00	0.00
15,300.0	90.00	179.52	10,978.0	-4,257.3	-417.1	4,277.5	0.00	0.00	0.00
15,400.0	90.00	179.52	10,978.0	-4,357.3	-416.2	4,377.0	0.00	0.00	0.00
15,500.0	90.00	179.52	10,978.0	-4,457.3	-415.4	4,476.6	0.00	0.00	0.00
15,600.0	90.00	179.52	10,978.0	-4,557.3	-414.6	4,576.1	0.00	0.00	0.00
15,700.0	90.00	179.52	10,978.0	-4,657.3	-413.7	4,675.7	0.00	0.00	0.00
15,785.7	90.00	179.52	10,978.0	-4,743.0	-413.0	4,761.0	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Fruit Loop 29 State)	0.00	0.00	10,978.0	-24.0	-452.0	530,479.00	766,893.00	32.45622752	-103.60207127
- hit/miss target									
- Shape									
- plan misses target center by 40.0ft at 11076.1ft MD (10940.8 TVD, -38.6 N, -450.5 E)									
- Point									
PBHL (Fruit Loop 29 Sta)	0.00	0.00	10,978.0	-4,743.0	-413.0	525,760.00	766,932.00	32.44325622	-103.60204962
- plan hits target center									
- Point									