

HOOES OCD
FEB 16 2018
RECEIVED



Lea County, NM (NAD 83 NME)

Fruit Loop 29 State #502H

Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Elevation: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #502H

KB = 25' @ 3777.00ft
Northing 536503.00 Easting 767378.50
3752.0 32° 27' 22.624 N 103° 36' 1.794 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VFace	Target
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	2153.4	3.07	55.09	2153.3	2.3	3.4	2.00	55.09	-2.0	
4	10518.6	3.07	55.09	10506.6	258.5	370.4	0.00	0.00	-223.6	
5	11283.1	90.00	179.52	10998.0	-218.6	396.1	12.00	124.39	253.8	
6	15801.7	90.00	179.52	10998.0	-4737.0	434.0	0.00	0.00	4756.8	PBHL (Fruit Loop 29 State #502H)



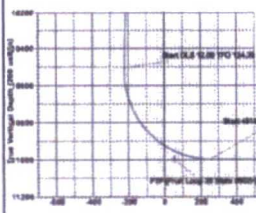
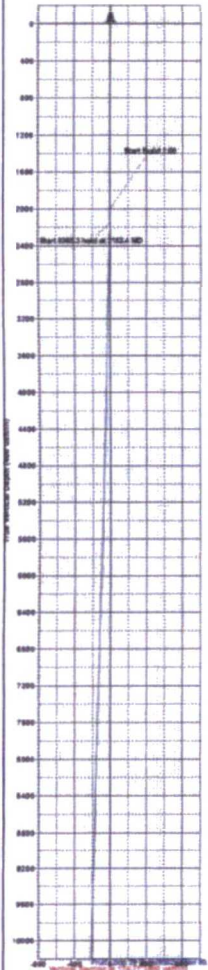
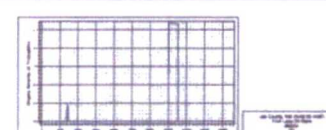
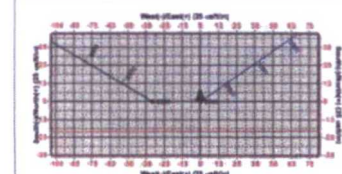
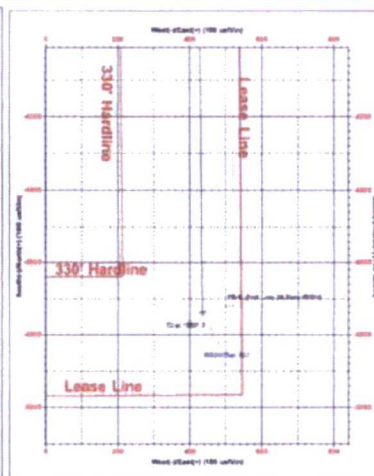
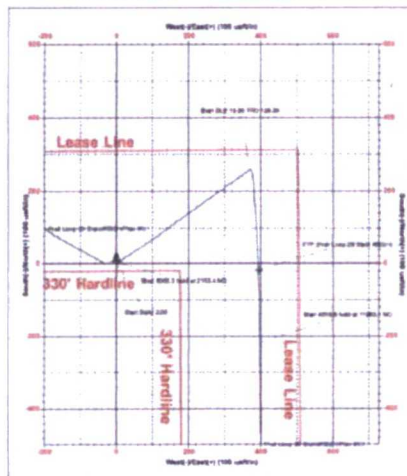
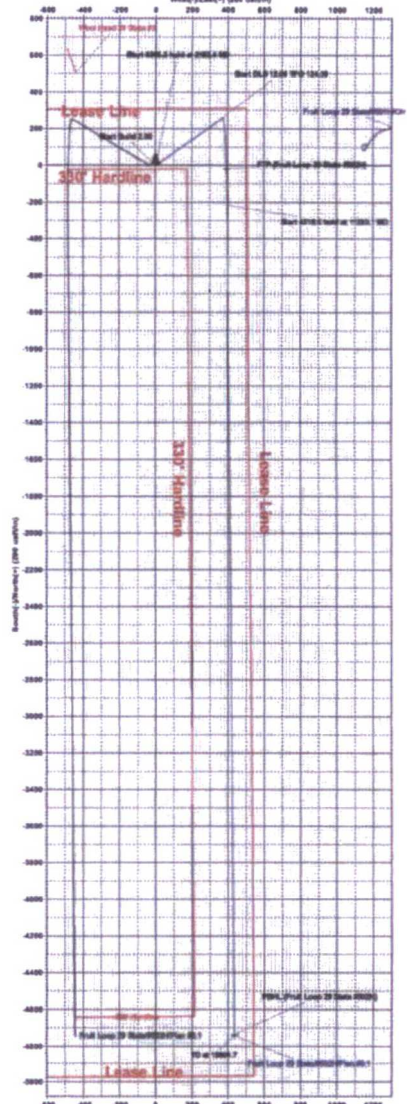
To convert a Magnetic Direction to a Grid Direction, Add 6.52°
To convert a Magnetic Direction to a True Direction, Add 6.91° East
To convert a True Direction to a Grid Direction, Subtract 6.39°

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 #502H)	10998.0	-4737.0	434.0	525786.00	767812.00
FTP (Fruit Loop 29 State #502H)	10998.0	-19.0	395.0	536454.00	767773.00



Vertical Section at 174.77° (200 uett)



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Fruit Loop 29 State

#502H

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: #502H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 25' @ 3777.0usft
MD Reference: KB = 25' @ 3777.0usft
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	Fruit Loop 29 State				
Site Position:		Northing:	530,503.00 usft	Latitude:	32° 27' 22.624 N
From:	Map	Easting:	767,378.00 usft	Longitude:	103° 36' 1.794 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.39 °

Well	#502H					
Well Position	+N/-S	0.0 usft	Northing:	530,503.00 usft	Latitude:	32° 27' 22.624 N
	+E/-W	0.0 usft	Easting:	767,378.00 usft	Longitude:	103° 36' 1.794 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,752.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2015	2/15/2018	6.91	60.26	48,001.93634091

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	174.77

Plan Survey Tool Program	Date 2/15/2018			
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.0	15,801.7 Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
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	
2,153.4	3.07	55.09	2,153.3	2.3	3.4	2.00	2.00	0.00	55.09	
10,518.6	3.07	55.09	10,506.6	258.5	370.4	0.00	0.00	0.00	0.00	
11,283.1	90.00	179.52	10,998.0	-218.6	396.1	12.00	11.37	16.28	124.39	
15,801.7	90.00	179.52	10,998.0	-4,737.0	434.0	0.00	0.00	0.00	0.00	PBHL (Fruit Loop 29 S

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 Project: Lea County, NM (NAD 83 NME)
 Site: Fruit Loop 29 State
 Well: #502H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #502H
 TVD Reference: KB = 25' @ 3777.0usft
 MD Reference: KB = 25' @ 3777.0usft
 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	2.00	55.09	2,100.0	1.0	1.4	-0.9	2.00	2.00	0.00
2,153.4	3.07	55.09	2,153.3	2.3	3.4	-2.0	2.00	2.00	0.00
2,200.0	3.07	55.09	2,199.9	3.8	5.4	-3.3	0.00	0.00	0.00
2,300.0	3.07	55.09	2,299.7	6.8	9.8	-5.9	0.00	0.00	0.00
2,400.0	3.07	55.09	2,399.6	9.9	14.2	-8.6	0.00	0.00	0.00
2,500.0	3.07	55.09	2,499.4	13.0	18.6	-11.2	0.00	0.00	0.00
2,600.0	3.07	55.09	2,599.3	16.0	23.0	-13.9	0.00	0.00	0.00
2,700.0	3.07	55.09	2,699.1	19.1	27.4	-16.5	0.00	0.00	0.00
2,800.0	3.07	55.09	2,799.0	22.1	31.7	-19.2	0.00	0.00	0.00
2,900.0	3.07	55.09	2,898.9	25.2	36.1	-21.8	0.00	0.00	0.00
3,000.0	3.07	55.09	2,998.7	28.3	40.5	-24.5	0.00	0.00	0.00
3,100.0	3.07	55.09	3,098.6	31.3	44.9	-27.1	0.00	0.00	0.00
3,200.0	3.07	55.09	3,198.4	34.4	49.3	-29.8	0.00	0.00	0.00
3,300.0	3.07	55.09	3,298.3	37.5	53.7	-32.4	0.00	0.00	0.00
3,400.0	3.07	55.09	3,398.1	40.5	58.1	-35.1	0.00	0.00	0.00
3,500.0	3.07	55.09	3,498.0	43.6	62.5	-37.7	0.00	0.00	0.00
3,600.0	3.07	55.09	3,597.9	46.6	66.8	-40.4	0.00	0.00	0.00
3,700.0	3.07	55.09	3,697.7	49.7	71.2	-43.0	0.00	0.00	0.00
3,800.0	3.07	55.09	3,797.6	52.8	75.6	-45.6	0.00	0.00	0.00
3,900.0	3.07	55.09	3,897.4	55.8	80.0	-48.3	0.00	0.00	0.00
4,000.0	3.07	55.09	3,997.3	58.9	84.4	-50.9	0.00	0.00	0.00
4,100.0	3.07	55.09	4,097.1	62.0	88.8	-53.6	0.00	0.00	0.00
4,200.0	3.07	55.09	4,197.0	65.0	93.2	-56.2	0.00	0.00	0.00
4,300.0	3.07	55.09	4,296.9	68.1	97.6	-58.9	0.00	0.00	0.00
4,400.0	3.07	55.09	4,396.7	71.1	101.9	-61.5	0.00	0.00	0.00
4,500.0	3.07	55.09	4,496.6	74.2	106.3	-64.2	0.00	0.00	0.00
4,600.0	3.07	55.09	4,596.4	77.3	110.7	-66.8	0.00	0.00	0.00
4,700.0	3.07	55.09	4,696.3	80.3	115.1	-69.5	0.00	0.00	0.00
4,800.0	3.07	55.09	4,796.1	83.4	119.5	-72.1	0.00	0.00	0.00
4,900.0	3.07	55.09	4,896.0	86.4	123.9	-74.8	0.00	0.00	0.00
5,000.0	3.07	55.09	4,995.8	89.5	128.3	-77.4	0.00	0.00	0.00
5,100.0	3.07	55.09	5,095.7	92.6	132.7	-80.1	0.00	0.00	0.00
5,200.0	3.07	55.09	5,195.6	95.6	137.1	-82.7	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
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Well: #502H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3777.0usft
MD Reference: KB = 25' @ 3777.0usft
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	3.07	55.09	5,295.4	98.7	141.4	-85.4	0.00	0.00	0.00
5,400.0	3.07	55.09	5,395.3	101.8	145.8	-88.0	0.00	0.00	0.00
5,500.0	3.07	55.09	5,495.1	104.8	150.2	-90.7	0.00	0.00	0.00
5,600.0	3.07	55.09	5,595.0	107.9	154.6	-93.3	0.00	0.00	0.00
5,700.0	3.07	55.09	5,694.8	110.9	159.0	-96.0	0.00	0.00	0.00
5,800.0	3.07	55.09	5,794.7	114.0	163.4	-98.6	0.00	0.00	0.00
5,900.0	3.07	55.09	5,894.6	117.1	167.8	-101.3	0.00	0.00	0.00
6,000.0	3.07	55.09	5,994.4	120.1	172.2	-103.9	0.00	0.00	0.00
6,100.0	3.07	55.09	6,094.3	123.2	176.5	-106.6	0.00	0.00	0.00
6,200.0	3.07	55.09	6,194.1	126.3	180.9	-109.2	0.00	0.00	0.00
6,300.0	3.07	55.09	6,294.0	129.3	185.3	-111.9	0.00	0.00	0.00
6,400.0	3.07	55.09	6,393.8	132.4	189.7	-114.5	0.00	0.00	0.00
6,500.0	3.07	55.09	6,493.7	135.4	194.1	-117.2	0.00	0.00	0.00
6,600.0	3.07	55.09	6,593.6	138.5	198.5	-119.8	0.00	0.00	0.00
6,700.0	3.07	55.09	6,693.4	141.6	202.9	-122.5	0.00	0.00	0.00
6,800.0	3.07	55.09	6,793.3	144.6	207.3	-125.1	0.00	0.00	0.00
6,900.0	3.07	55.09	6,893.1	147.7	211.6	-127.8	0.00	0.00	0.00
7,000.0	3.07	55.09	6,993.0	150.8	216.0	-130.4	0.00	0.00	0.00
7,100.0	3.07	55.09	7,092.8	153.8	220.4	-133.1	0.00	0.00	0.00
7,200.0	3.07	55.09	7,192.7	156.9	224.8	-135.7	0.00	0.00	0.00
7,300.0	3.07	55.09	7,292.6	159.9	229.2	-138.4	0.00	0.00	0.00
7,400.0	3.07	55.09	7,392.4	163.0	233.6	-141.0	0.00	0.00	0.00
7,500.0	3.07	55.09	7,492.3	166.1	238.0	-143.7	0.00	0.00	0.00
7,600.0	3.07	55.09	7,592.1	169.1	242.4	-146.3	0.00	0.00	0.00
7,700.0	3.07	55.09	7,692.0	172.2	246.7	-149.0	0.00	0.00	0.00
7,800.0	3.07	55.09	7,791.8	175.2	251.1	-151.6	0.00	0.00	0.00
7,900.0	3.07	55.09	7,891.7	178.3	255.5	-154.3	0.00	0.00	0.00
8,000.0	3.07	55.09	7,991.6	181.4	259.9	-156.9	0.00	0.00	0.00
8,100.0	3.07	55.09	8,091.4	184.4	264.3	-159.5	0.00	0.00	0.00
8,200.0	3.07	55.09	8,191.3	187.5	268.7	-162.2	0.00	0.00	0.00
8,300.0	3.07	55.09	8,291.1	190.6	273.1	-164.8	0.00	0.00	0.00
8,400.0	3.07	55.09	8,391.0	193.6	277.5	-167.5	0.00	0.00	0.00
8,500.0	3.07	55.09	8,490.8	196.7	281.9	-170.1	0.00	0.00	0.00
8,600.0	3.07	55.09	8,590.7	199.7	286.2	-172.8	0.00	0.00	0.00
8,700.0	3.07	55.09	8,690.5	202.8	290.6	-175.4	0.00	0.00	0.00
8,800.0	3.07	55.09	8,790.4	205.9	295.0	-178.1	0.00	0.00	0.00
8,900.0	3.07	55.09	8,890.3	208.9	299.4	-180.7	0.00	0.00	0.00
9,000.0	3.07	55.09	8,990.1	212.0	303.8	-183.4	0.00	0.00	0.00
9,100.0	3.07	55.09	9,090.0	215.1	308.2	-186.0	0.00	0.00	0.00
9,200.0	3.07	55.09	9,189.8	218.1	312.6	-188.7	0.00	0.00	0.00
9,300.0	3.07	55.09	9,289.7	221.2	317.0	-191.3	0.00	0.00	0.00
9,400.0	3.07	55.09	9,389.5	224.2	321.3	-194.0	0.00	0.00	0.00
9,500.0	3.07	55.09	9,489.4	227.3	325.7	-196.6	0.00	0.00	0.00
9,600.0	3.07	55.09	9,589.3	230.4	330.1	-199.3	0.00	0.00	0.00
9,700.0	3.07	55.09	9,689.1	233.4	334.5	-201.9	0.00	0.00	0.00
9,800.0	3.07	55.09	9,789.0	236.5	338.9	-204.6	0.00	0.00	0.00
9,900.0	3.07	55.09	9,888.8	239.5	343.3	-207.2	0.00	0.00	0.00
10,000.0	3.07	55.09	9,988.7	242.6	347.7	-209.9	0.00	0.00	0.00
10,100.0	3.07	55.09	10,088.5	245.7	352.1	-212.5	0.00	0.00	0.00
10,200.0	3.07	55.09	10,188.4	248.7	356.4	-215.2	0.00	0.00	0.00
10,300.0	3.07	55.09	10,288.3	251.8	360.8	-217.8	0.00	0.00	0.00
10,400.0	3.07	55.09	10,388.1	254.9	365.2	-220.5	0.00	0.00	0.00
10,500.0	3.07	55.09	10,488.0	257.9	369.6	-223.1	0.00	0.00	0.00
10,518.6	3.07	55.09	10,506.6	258.5	370.4	-223.6	0.00	0.00	0.00

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Survey Calculation Method:
Well #502H
KB = 25' @ 3777.0usft
KB = 25' @ 3777.0usft
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)
10,525.0	2.71	68.56	10,512.9	258.6	370.7	-223.7	12.00	-5.61	211.40
10,550.0	3.24	128.29	10,537.9	258.4	371.8	-223.4	12.00	2.14	238.91
10,575.0	5.63	152.88	10,562.8	256.9	372.9	-221.8	12.00	9.54	98.37
10,600.0	8.42	162.14	10,587.6	254.1	374.0	-218.9	12.00	11.15	37.04
10,625.0	11.31	166.76	10,612.3	249.9	375.2	-214.7	12.00	11.59	18.46
10,650.0	14.25	169.50	10,636.6	244.5	376.3	-209.2	12.00	11.76	10.97
10,675.0	17.21	171.32	10,660.7	237.8	377.4	-202.4	12.00	11.84	7.27
10,700.0	20.18	172.61	10,684.4	229.9	378.5	-194.4	12.00	11.88	5.19
10,725.0	23.16	173.59	10,707.6	220.7	379.6	-185.2	12.00	11.91	3.90
10,750.0	26.15	174.35	10,730.3	210.4	380.7	-174.7	12.00	11.93	3.06
10,775.0	29.13	174.97	10,752.5	198.8	381.8	-163.1	12.00	11.95	2.47
10,800.0	32.12	175.48	10,774.0	186.1	382.9	-150.4	12.00	11.95	2.05
10,825.0	35.11	175.92	10,794.8	172.3	383.9	-136.6	12.00	11.96	1.73
10,850.0	38.10	176.29	10,814.9	157.4	384.9	-121.7	12.00	11.97	1.49
10,875.0	41.10	176.62	10,834.1	141.5	385.9	-105.7	12.00	11.97	1.31
10,900.0	44.09	176.90	10,852.5	124.7	386.8	-88.8	12.00	11.97	1.16
10,925.0	47.08	177.16	10,870.0	106.8	387.8	-71.0	12.00	11.98	1.04
10,950.0	50.08	177.40	10,886.6	88.1	388.7	-52.3	12.00	11.98	0.94
10,975.0	53.07	177.62	10,902.1	68.5	389.5	-32.7	12.00	11.98	0.86
11,000.0	56.07	177.82	10,916.6	48.2	390.3	-12.4	12.00	11.98	0.80
11,025.0	59.06	178.00	10,930.0	27.1	391.1	8.7	12.00	11.98	0.74
11,050.0	62.06	178.18	10,942.3	5.3	391.8	30.4	12.00	11.98	0.70
11,075.0	65.06	178.34	10,953.4	-17.0	392.5	52.8	12.00	11.99	0.66
11,100.0	68.05	178.50	10,963.4	-40.0	393.1	75.7	12.00	11.99	0.63
11,125.0	71.05	178.65	10,972.1	-63.4	393.7	99.0	12.00	11.99	0.60
11,150.0	74.05	178.80	10,979.6	-87.2	394.2	122.8	12.00	11.99	0.58
11,175.0	77.04	178.94	10,985.8	-111.4	394.7	147.0	12.00	11.99	0.57
11,200.0	80.04	179.08	10,990.8	-135.9	395.1	171.4	12.00	11.99	0.55
11,225.0	83.04	179.21	10,994.5	-160.6	395.5	196.0	12.00	11.99	0.54
11,250.0	86.04	179.34	10,996.9	-185.5	395.8	220.9	12.00	11.99	0.53
11,275.0	89.03	179.48	10,997.9	-210.5	396.1	245.7	12.00	11.99	0.53
11,283.1	90.00	179.52	10,998.0	-218.6	396.1	253.8	12.00	11.99	0.53
11,300.0	90.00	179.52	10,998.0	-235.5	396.3	270.7	0.00	0.00	0.00
11,400.0	90.00	179.52	10,998.0	-335.5	397.1	370.3	0.00	0.00	0.00
11,500.0	90.00	179.52	10,998.0	-435.5	398.0	470.0	0.00	0.00	0.00
11,600.0	90.00	179.52	10,998.0	-535.5	398.8	569.6	0.00	0.00	0.00
11,700.0	90.00	179.52	10,998.0	-635.5	399.6	669.3	0.00	0.00	0.00
11,800.0	90.00	179.52	10,998.0	-735.5	400.5	768.9	0.00	0.00	0.00
11,900.0	90.00	179.52	10,998.0	-835.5	401.3	868.6	0.00	0.00	0.00
12,000.0	90.00	179.52	10,998.0	-935.5	402.2	968.2	0.00	0.00	0.00
12,100.0	90.00	179.52	10,998.0	-1,035.5	403.0	1,067.9	0.00	0.00	0.00
12,200.0	90.00	179.52	10,998.0	-1,135.5	403.8	1,167.6	0.00	0.00	0.00
12,300.0	90.00	179.52	10,998.0	-1,235.4	404.7	1,267.2	0.00	0.00	0.00
12,400.0	90.00	179.52	10,998.0	-1,335.4	405.5	1,366.9	0.00	0.00	0.00
12,500.0	90.00	179.52	10,998.0	-1,435.4	406.3	1,466.5	0.00	0.00	0.00
12,600.0	90.00	179.52	10,998.0	-1,535.4	407.2	1,566.2	0.00	0.00	0.00
12,700.0	90.00	179.52	10,998.0	-1,635.4	408.0	1,665.8	0.00	0.00	0.00
12,800.0	90.00	179.52	10,998.0	-1,735.4	408.9	1,765.5	0.00	0.00	0.00
12,900.0	90.00	179.52	10,998.0	-1,835.4	409.7	1,865.2	0.00	0.00	0.00
13,000.0	90.00	179.52	10,998.0	-1,935.4	410.5	1,964.8	0.00	0.00	0.00
13,100.0	90.00	179.52	10,998.0	-2,035.4	411.4	2,064.5	0.00	0.00	0.00
13,200.0	90.00	179.52	10,998.0	-2,135.4	412.2	2,164.1	0.00	0.00	0.00
13,300.0	90.00	179.52	10,998.0	-2,235.4	413.0	2,263.8	0.00	0.00	0.00
13,400.0	90.00	179.52	10,998.0	-2,335.4	413.9	2,363.4	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: #502H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #502H
KB = 25' @ 3777.0usft
KB = 25' @ 3777.0usft
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)
13,500.0	90.00	179.52	10,998.0	-2,435.4	414.7	2,463.1	0.00	0.00	0.00
13,600.0	90.00	179.52	10,998.0	-2,535.4	415.6	2,562.7	0.00	0.00	0.00
13,700.0	90.00	179.52	10,998.0	-2,635.4	416.4	2,662.4	0.00	0.00	0.00
13,800.0	90.00	179.52	10,998.0	-2,735.4	417.2	2,762.1	0.00	0.00	0.00
13,900.0	90.00	179.52	10,998.0	-2,835.4	418.1	2,861.7	0.00	0.00	0.00
14,000.0	90.00	179.52	10,998.0	-2,935.4	418.9	2,961.4	0.00	0.00	0.00
14,100.0	90.00	179.52	10,998.0	-3,035.4	419.7	3,061.0	0.00	0.00	0.00
14,200.0	90.00	179.52	10,998.0	-3,135.4	420.6	3,160.7	0.00	0.00	0.00
14,300.0	90.00	179.52	10,998.0	-3,235.4	421.4	3,260.3	0.00	0.00	0.00
14,400.0	90.00	179.52	10,998.0	-3,335.4	422.3	3,360.0	0.00	0.00	0.00
14,500.0	90.00	179.52	10,998.0	-3,435.4	423.1	3,459.6	0.00	0.00	0.00
14,600.0	90.00	179.52	10,998.0	-3,535.4	423.9	3,559.3	0.00	0.00	0.00
14,700.0	90.00	179.52	10,998.0	-3,635.4	424.8	3,659.0	0.00	0.00	0.00
14,800.0	90.00	179.52	10,998.0	-3,735.4	425.6	3,758.6	0.00	0.00	0.00
14,900.0	90.00	179.52	10,998.0	-3,835.4	426.4	3,858.3	0.00	0.00	0.00
15,000.0	90.00	179.52	10,998.0	-3,935.4	427.3	3,957.9	0.00	0.00	0.00
15,100.0	90.00	179.52	10,998.0	-4,035.4	428.1	4,057.6	0.00	0.00	0.00
15,200.0	90.00	179.52	10,998.0	-4,135.3	429.0	4,157.2	0.00	0.00	0.00
15,300.0	90.00	179.52	10,998.0	-4,235.3	429.8	4,256.9	0.00	0.00	0.00
15,400.0	90.00	179.52	10,998.0	-4,335.3	430.6	4,356.5	0.00	0.00	0.00
15,500.0	90.00	179.52	10,998.0	-4,435.3	431.5	4,456.2	0.00	0.00	0.00
15,600.0	90.00	179.52	10,998.0	-4,535.3	432.3	4,555.9	0.00	0.00	0.00
15,700.0	90.00	179.52	10,998.0	-4,635.3	433.1	4,655.5	0.00	0.00	0.00
15,801.7	90.00	179.52	10,998.0	-4,737.0	434.0	4,756.8	0.00	0.00	0.00

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 (Fruit Loop 29 State - plan misses target center by 40.1usft at 11094.6usft MD (10961.3 TVD, -35.0 N, 393.0 E) - Point	0.00	0.00	10,998.0	-19.0	395.0	530,484.00	767,773.00	32° 27' 22.409 N	103° 35' 57.186 W
PBHL (Fruit Loop 29 Sta - plan hits target center - Point	0.00	0.00	10,998.0	-4,737.0	434.0	525,766.00	767,812.00	32° 26' 35.722 N	103° 35' 57.110 W