



Lea County, NM (NAD 83 NME)

Nectarine 13 State Com #501H

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: #501H

Ground Level: 3778.0
UB = 25' @ 3853.0usft
Northing: 541251.50
Easting: 788211.50
Latitude: 32° 29' 7.492 N
Longitude: 103° 31' 57.723 W

SECTION DETAILS

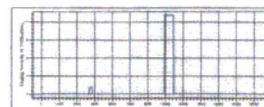
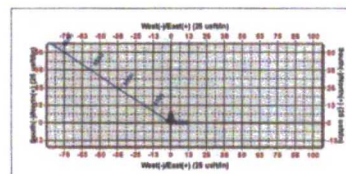
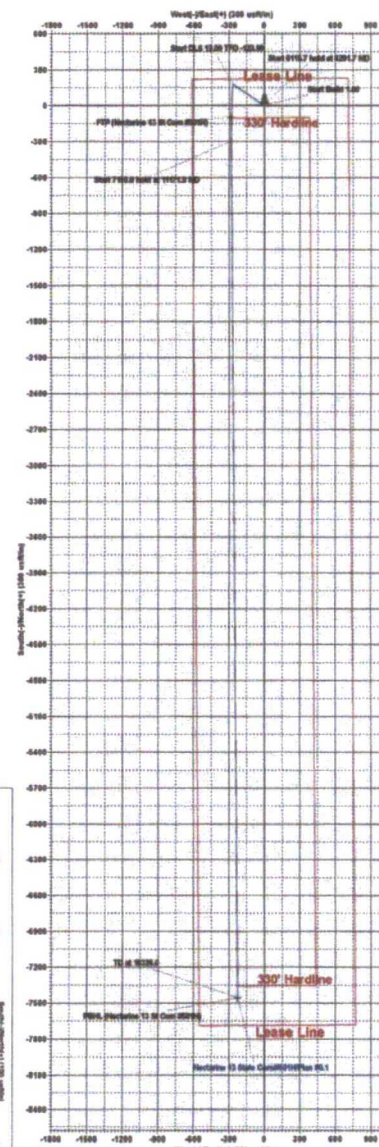
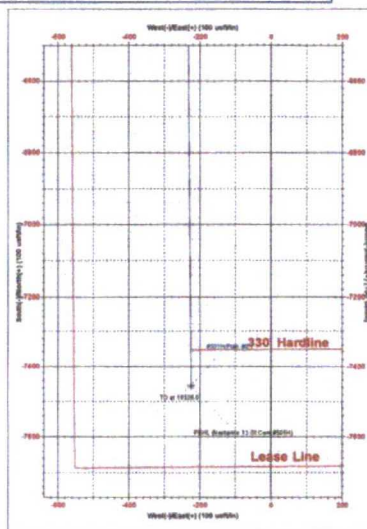
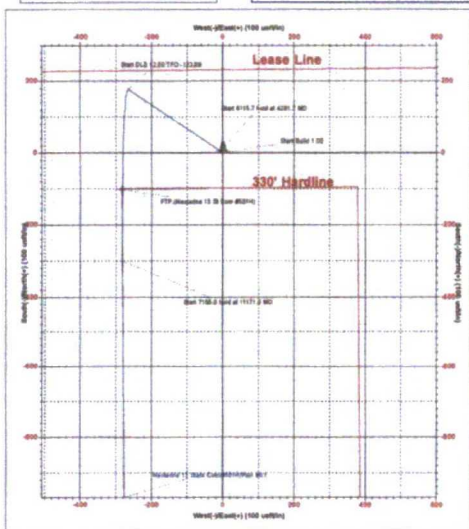
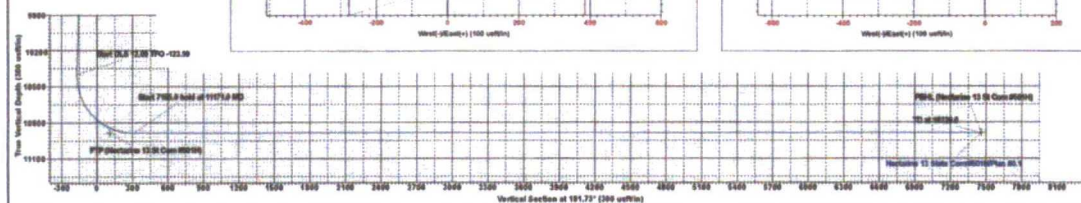
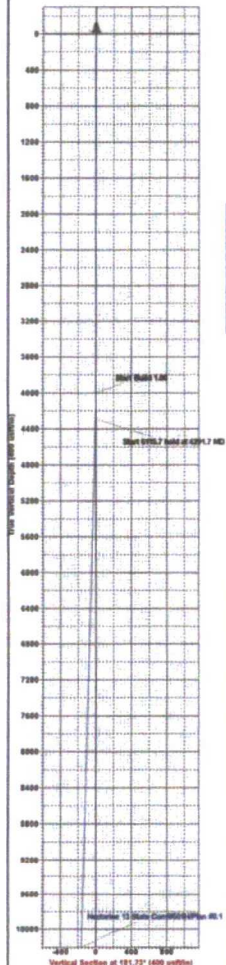
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4291.7	2.92	303.56	4291.6	4.1	-6.2	1.00	303.56	-3.9	
4	10407.4	2.92	303.56	10399.4	176.2	-265.6	0.00	0.00	-166.1	
5	11171.0	90.00	179.54	10890.0	-301.2	-282.4	12.00	-123.99	309.6	
6	18326.0	90.00	179.54	10890.0	-7456.0	-225.0	0.00	0.00	7456.4	PBHL (Nectarine 13 St Com #501H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Nectarine 13 St Com #501H)	10890.0	-102.9	-284.0	541148.00	787927.00
PBHL (Nectarine 13 St Com #501H)	10890.0	-7456.0	-225.0	533756.50	787906.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Nectarine 13 State Com

#501H

OH

Plan: Plan #0.1

Standard Planning Report

12 April, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Nectarine 13 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: kb = 25' @ 3803.0usft
MD Reference: kb = 25' @ 3803.0usft
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	Nectarine 13 State Com			
Site Position:		Northing:	541,251.00 usft	Latitude: 32° 29' 7.492 N
From: Map		Easting:	788,211.00 usft	Longitude: 103° 31' 57.723 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.43 °

Well	#501H			
Well Position	+N/-S	0.0 usft	Northing:	541,251.00 usft
	+E/-W	0.0 usft	Easting:	788,211.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft
			Ground Level:	3,778.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/12/2017	6.97	60.31	48,114

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 (°)
	10,890.0	0.0	0.0	181.73

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	
4,291.7	2.92	303.56	4,291.6	4.1	-6.2	1.00	1.00	0.00	303.56	
10,407.4	2.92	303.56	10,399.4	176.2	-265.6	0.00	0.00	0.00	0.00	
11,171.0	90.00	179.54	10,890.0	-301.2	-282.4	12.00	11.40	-16.24	-123.99	
18,326.0	90.00	179.54	10,890.0	-7,456.0	-225.0	0.00	0.00	0.00	0.00	PBHL (Nectarine 13 S



EOG Resources, Inc.
Planning Report

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Project: Lea County, NM (NAD 83 NME)
Site: Nectarine 13 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: kb = 25' @ 3803.0usft
MD Reference: kb = 25' @ 3803.0usft
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	303.56	4,100.0	0.5	-0.7	-0.5	1.00	1.00	0.00
4,200.0	2.00	303.56	4,200.0	1.9	-2.9	-1.8	1.00	1.00	0.00
4,291.7	2.92	303.56	4,291.6	4.1	-6.2	-3.9	1.00	1.00	0.00
4,300.0	2.92	303.56	4,299.9	4.3	-6.5	-4.1	0.00	0.00	0.00
4,400.0	2.92	303.56	4,399.7	7.2	-10.8	-8.8	0.00	0.00	0.00
4,500.0	2.92	303.56	4,499.6	10.0	-15.0	-9.5	0.00	0.00	0.00
4,600.0	2.92	303.56	4,599.5	12.8	-19.3	-12.2	0.00	0.00	0.00
4,700.0	2.92	303.56	4,699.3	15.6	-23.5	-14.9	0.00	0.00	0.00
4,800.0	2.92	303.56	4,799.2	18.4	-27.7	-17.6	0.00	0.00	0.00
4,900.0	2.92	303.56	4,899.1	21.2	-32.0	-20.2	0.00	0.00	0.00
5,000.0	2.92	303.56	4,999.0	24.0	-36.2	-22.9	0.00	0.00	0.00
5,100.0	2.92	303.56	5,098.8	26.8	-40.5	-25.6	0.00	0.00	0.00
5,200.0	2.92	303.56	5,198.7	29.7	-44.7	-28.3	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Nectarine 13 State Corn
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #501H
kb = 25' @ 3803.0usft
kb = 25' @ 3803.0usft
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)
5,300.0	2.92	303.56	5,298.6	32.5	-48.9	-31.0	0.00	0.00	0.00
5,400.0	2.92	303.56	5,398.4	35.3	-53.2	-33.7	0.00	0.00	0.00
5,500.0	2.92	303.56	5,498.3	38.1	-57.4	-36.4	0.00	0.00	0.00
5,600.0	2.92	303.56	5,598.2	40.9	-61.7	-39.0	0.00	0.00	0.00
5,700.0	2.92	303.56	5,698.0	43.7	-65.9	-41.7	0.00	0.00	0.00
5,800.0	2.92	303.56	5,797.9	46.5	-70.2	-44.4	0.00	0.00	0.00
5,900.0	2.92	303.56	5,897.8	49.4	-74.4	-47.1	0.00	0.00	0.00
6,000.0	2.92	303.56	5,997.7	52.2	-78.6	-49.8	0.00	0.00	0.00
6,100.0	2.92	303.56	6,097.5	55.0	-82.9	-52.5	0.00	0.00	0.00
6,200.0	2.92	303.56	6,197.4	57.8	-87.1	-55.1	0.00	0.00	0.00
6,300.0	2.92	303.56	6,297.3	60.6	-91.4	-57.8	0.00	0.00	0.00
6,400.0	2.92	303.56	6,397.1	63.4	-95.6	-60.5	0.00	0.00	0.00
6,500.0	2.92	303.56	6,497.0	66.2	-99.8	-63.2	0.00	0.00	0.00
6,600.0	2.92	303.56	6,596.9	69.1	-104.1	-65.9	0.00	0.00	0.00
6,700.0	2.92	303.56	6,696.8	71.9	-108.3	-68.6	0.00	0.00	0.00
6,800.0	2.92	303.56	6,796.6	74.7	-112.6	-71.3	0.00	0.00	0.00
6,900.0	2.92	303.56	6,896.5	77.5	-116.8	-73.9	0.00	0.00	0.00
7,000.0	2.92	303.56	6,996.4	80.3	-121.0	-76.6	0.00	0.00	0.00
7,100.0	2.92	303.56	7,096.2	83.1	-125.3	-79.3	0.00	0.00	0.00
7,200.0	2.92	303.56	7,196.1	85.9	-129.5	-82.0	0.00	0.00	0.00
7,300.0	2.92	303.56	7,296.0	88.8	-133.8	-84.7	0.00	0.00	0.00
7,400.0	2.92	303.56	7,395.8	91.6	-138.0	-87.4	0.00	0.00	0.00
7,500.0	2.92	303.56	7,495.7	94.4	-142.2	-90.0	0.00	0.00	0.00
7,600.0	2.92	303.56	7,595.6	97.2	-146.5	-92.7	0.00	0.00	0.00
7,700.0	2.92	303.56	7,695.5	100.0	-150.7	-95.4	0.00	0.00	0.00
7,800.0	2.92	303.56	7,795.3	102.8	-155.0	-98.1	0.00	0.00	0.00
7,900.0	2.92	303.56	7,895.2	105.6	-159.2	-100.8	0.00	0.00	0.00
8,000.0	2.92	303.56	7,995.1	108.5	-163.5	-103.5	0.00	0.00	0.00
8,100.0	2.92	303.56	8,094.9	111.3	-167.7	-106.2	0.00	0.00	0.00
8,200.0	2.92	303.56	8,194.8	114.1	-171.9	-108.8	0.00	0.00	0.00
8,300.0	2.92	303.56	8,294.7	116.9	-176.2	-111.5	0.00	0.00	0.00
8,400.0	2.92	303.56	8,394.5	119.7	-180.4	-114.2	0.00	0.00	0.00
8,500.0	2.92	303.56	8,494.4	122.5	-184.7	-116.9	0.00	0.00	0.00
8,600.0	2.92	303.56	8,594.3	125.3	-188.9	-119.6	0.00	0.00	0.00
8,700.0	2.92	303.56	8,694.2	128.1	-193.1	-122.3	0.00	0.00	0.00
8,800.0	2.92	303.56	8,794.0	131.0	-197.4	-124.9	0.00	0.00	0.00
8,900.0	2.92	303.56	8,893.9	133.8	-201.6	-127.6	0.00	0.00	0.00
9,000.0	2.92	303.56	8,993.8	136.6	-205.9	-130.3	0.00	0.00	0.00
9,100.0	2.92	303.56	9,093.6	139.4	-210.1	-133.0	0.00	0.00	0.00
9,200.0	2.92	303.56	9,193.5	142.2	-214.3	-135.7	0.00	0.00	0.00
9,300.0	2.92	303.56	9,293.4	145.0	-218.6	-138.4	0.00	0.00	0.00
9,400.0	2.92	303.56	9,393.3	147.8	-222.8	-141.1	0.00	0.00	0.00
9,500.0	2.92	303.56	9,493.1	150.7	-227.1	-143.7	0.00	0.00	0.00
9,600.0	2.92	303.56	9,593.0	153.5	-231.3	-146.4	0.00	0.00	0.00
9,700.0	2.92	303.56	9,692.9	156.3	-235.6	-149.1	0.00	0.00	0.00
9,800.0	2.92	303.56	9,792.7	159.1	-239.8	-151.8	0.00	0.00	0.00
9,900.0	2.92	303.56	9,892.6	161.9	-244.0	-154.5	0.00	0.00	0.00
10,000.0	2.92	303.56	9,992.5	164.7	-248.3	-157.2	0.00	0.00	0.00
10,100.0	2.92	303.56	10,092.3	167.5	-252.5	-159.8	0.00	0.00	0.00
10,200.0	2.92	303.56	10,192.2	170.4	-256.8	-162.5	0.00	0.00	0.00
10,300.0	2.92	303.56	10,292.1	173.2	-261.0	-165.2	0.00	0.00	0.00
10,407.4	2.92	303.56	10,399.4	176.2	-265.6	-168.1	0.00	0.00	0.00
10,425.0	2.47	258.38	10,416.9	176.4	-266.3	-168.3	12.00	-2.57	-257.11
10,450.0	4.23	214.32	10,441.9	175.5	-267.3	-167.3	12.00	7.08	-176.25



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Planning Report

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Wellbore: OH
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Survey Calculation Method:

Well #501H
kb = 25' @ 3803.0usft
kb = 25' @ 3803.0usft
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)
10,475.0	6.91	199.93	10,466.8	173.3	-268.4	-165.1	12.00	10.71	-57.57
10,500.0	9.78	193.73	10,491.5	169.8	-269.4	-161.6	12.00	11.46	-24.81
10,525.0	12.71	190.34	10,516.0	165.1	-270.4	-156.8	12.00	11.71	-13.56
10,550.0	15.66	188.21	10,540.3	159.0	-271.4	-150.8	12.00	11.82	-8.53
10,575.0	18.63	186.74	10,564.1	151.7	-272.3	-143.4	12.00	11.88	-5.87
10,600.0	21.61	185.66	10,587.6	143.2	-273.2	-134.9	12.00	11.91	-4.30
10,625.0	24.59	184.84	10,610.6	133.4	-274.1	-125.1	12.00	11.93	-3.30
10,650.0	27.57	184.18	10,633.1	122.4	-275.0	-114.1	12.00	11.94	-2.63
10,675.0	30.56	183.64	10,654.9	110.3	-275.8	-102.0	12.00	11.95	-2.15
10,700.0	33.55	183.19	10,676.1	97.1	-276.6	-88.7	12.00	11.96	-1.80
10,725.0	36.55	182.81	10,696.6	82.8	-277.4	-74.3	12.00	11.97	-1.54
10,750.0	39.54	182.47	10,716.2	67.4	-278.1	-58.9	12.00	11.97	-1.34
10,775.0	42.53	182.18	10,735.1	51.0	-278.7	-42.5	12.00	11.98	-1.18
10,800.0	45.53	181.92	10,753.1	33.6	-279.3	-25.2	12.00	11.98	-1.05
10,825.0	48.52	181.68	10,770.1	15.3	-279.9	-6.9	12.00	11.98	-0.95
10,850.0	51.52	181.46	10,786.2	-3.8	-280.4	12.3	12.00	11.98	-0.86
10,875.0	54.51	181.27	10,801.2	-23.8	-280.9	32.2	12.00	11.98	-0.79
10,900.0	57.51	181.08	10,815.2	-44.5	-281.3	53.0	12.00	11.98	-0.74
10,925.0	60.51	180.91	10,828.1	-65.9	-281.7	74.4	12.00	11.99	-0.69
10,950.0	63.50	180.75	10,839.8	-88.0	-282.0	96.5	12.00	11.99	-0.65
10,975.0	66.50	180.59	10,850.4	-110.7	-282.3	119.1	12.00	11.99	-0.62
11,000.0	69.50	180.45	10,859.7	-133.8	-282.5	142.3	12.00	11.99	-0.59
11,025.0	72.49	180.30	10,867.9	-157.5	-282.7	165.9	12.00	11.99	-0.57
11,050.0	75.49	180.17	10,874.8	-181.5	-282.8	189.9	12.00	11.99	-0.55
11,075.0	78.49	180.03	10,880.4	-205.8	-282.8	214.3	12.00	11.99	-0.53
11,100.0	81.48	179.90	10,884.7	-230.5	-282.8	238.9	12.00	11.99	-0.52
11,125.0	84.48	179.77	10,887.8	-255.3	-282.7	263.7	12.00	11.99	-0.51
11,150.0	87.48	179.65	10,889.5	-280.2	-282.6	288.6	12.00	11.99	-0.51
11,171.0	90.00	179.54	10,890.0	-301.2	-282.4	309.6	12.00	11.99	-0.51
11,200.0	90.00	179.54	10,890.0	-330.2	-282.2	338.6	0.00	0.00	0.00
11,300.0	90.00	179.54	10,890.0	-430.2	-281.4	438.5	0.00	0.00	0.00
11,400.0	90.00	179.54	10,890.0	-530.2	-280.6	538.4	0.00	0.00	0.00
11,500.0	90.00	179.54	10,890.0	-630.2	-279.8	638.3	0.00	0.00	0.00
11,600.0	90.00	179.54	10,890.0	-730.2	-279.0	738.3	0.00	0.00	0.00
11,700.0	90.00	179.54	10,890.0	-830.2	-278.2	838.2	0.00	0.00	0.00
11,800.0	90.00	179.54	10,890.0	-930.2	-277.4	938.1	0.00	0.00	0.00
11,900.0	90.00	179.54	10,890.0	-1,030.2	-276.6	1,038.1	0.00	0.00	0.00
12,000.0	90.00	179.54	10,890.0	-1,130.2	-275.8	1,138.0	0.00	0.00	0.00
12,100.0	90.00	179.54	10,890.0	-1,230.2	-275.0	1,237.9	0.00	0.00	0.00
12,200.0	90.00	179.54	10,890.0	-1,330.2	-274.2	1,337.8	0.00	0.00	0.00
12,300.0	90.00	179.54	10,890.0	-1,430.2	-273.4	1,437.8	0.00	0.00	0.00
12,400.0	90.00	179.54	10,890.0	-1,530.2	-272.6	1,537.7	0.00	0.00	0.00
12,500.0	90.00	179.54	10,890.0	-1,630.2	-271.8	1,637.6	0.00	0.00	0.00
12,600.0	90.00	179.54	10,890.0	-1,730.2	-271.0	1,737.5	0.00	0.00	0.00
12,700.0	90.00	179.54	10,890.0	-1,830.2	-270.2	1,837.5	0.00	0.00	0.00
12,800.0	90.00	179.54	10,890.0	-1,930.2	-269.4	1,937.4	0.00	0.00	0.00
12,900.0	90.00	179.54	10,890.0	-2,030.1	-268.6	2,037.3	0.00	0.00	0.00
13,000.0	90.00	179.54	10,890.0	-2,130.1	-267.8	2,137.3	0.00	0.00	0.00
13,100.0	90.00	179.54	10,890.0	-2,230.1	-267.0	2,237.2	0.00	0.00	0.00
13,200.0	90.00	179.54	10,890.0	-2,330.1	-266.2	2,337.1	0.00	0.00	0.00
13,300.0	90.00	179.54	10,890.0	-2,430.1	-265.4	2,437.0	0.00	0.00	0.00
13,400.0	90.00	179.54	10,890.0	-2,530.1	-264.5	2,537.0	0.00	0.00	0.00
13,500.0	90.00	179.54	10,890.0	-2,630.1	-263.7	2,636.9	0.00	0.00	0.00
13,600.0	90.00	179.54	10,890.0	-2,730.1	-262.9	2,736.8	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Nectarine 13 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:

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

Well #501H
kb = 25' @ 3803.0usft
kb = 25' @ 3803.0usft
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)
13,700.0	90.00	179.54	10,890.0	-2,830.1	-262.1	2,836.7	0.00	0.00	0.00
13,800.0	90.00	179.54	10,890.0	-2,930.1	-261.3	2,936.7	0.00	0.00	0.00
13,900.0	90.00	179.54	10,890.0	-3,030.1	-260.5	3,036.6	0.00	0.00	0.00
14,000.0	90.00	179.54	10,890.0	-3,130.1	-259.7	3,136.5	0.00	0.00	0.00
14,100.0	90.00	179.54	10,890.0	-3,230.1	-258.9	3,236.4	0.00	0.00	0.00
14,200.0	90.00	179.54	10,890.0	-3,330.1	-258.1	3,336.4	0.00	0.00	0.00
14,300.0	90.00	179.54	10,890.0	-3,430.1	-257.3	3,436.3	0.00	0.00	0.00
14,400.0	90.00	179.54	10,890.0	-3,530.1	-256.5	3,536.2	0.00	0.00	0.00
14,500.0	90.00	179.54	10,890.0	-3,630.1	-255.7	3,636.2	0.00	0.00	0.00
14,600.0	90.00	179.54	10,890.0	-3,730.1	-254.9	3,736.1	0.00	0.00	0.00
14,700.0	90.00	179.54	10,890.0	-3,830.1	-254.1	3,836.0	0.00	0.00	0.00
14,800.0	90.00	179.54	10,890.0	-3,930.1	-253.3	3,935.9	0.00	0.00	0.00
14,900.0	90.00	179.54	10,890.0	-4,030.1	-252.5	4,035.9	0.00	0.00	0.00
15,000.0	90.00	179.54	10,890.0	-4,130.1	-251.7	4,135.8	0.00	0.00	0.00
15,100.0	90.00	179.54	10,890.0	-4,230.1	-250.9	4,235.7	0.00	0.00	0.00
15,200.0	90.00	179.54	10,890.0	-4,330.1	-250.1	4,335.6	0.00	0.00	0.00
15,300.0	90.00	179.54	10,890.0	-4,430.1	-249.3	4,435.6	0.00	0.00	0.00
15,400.0	90.00	179.54	10,890.0	-4,530.1	-248.5	4,535.5	0.00	0.00	0.00
15,500.0	90.00	179.54	10,890.0	-4,630.1	-247.7	4,635.4	0.00	0.00	0.00
15,600.0	90.00	179.54	10,890.0	-4,730.1	-246.9	4,735.4	0.00	0.00	0.00
15,700.0	90.00	179.54	10,890.0	-4,830.1	-246.1	4,835.3	0.00	0.00	0.00
15,800.0	90.00	179.54	10,890.0	-4,930.1	-245.3	4,935.2	0.00	0.00	0.00
15,900.0	90.00	179.54	10,890.0	-5,030.1	-244.5	5,035.1	0.00	0.00	0.00
16,000.0	90.00	179.54	10,890.0	-5,130.0	-243.7	5,135.1	0.00	0.00	0.00
16,100.0	90.00	179.54	10,890.0	-5,230.0	-242.9	5,235.0	0.00	0.00	0.00
16,200.0	90.00	179.54	10,890.0	-5,330.0	-242.1	5,334.9	0.00	0.00	0.00
16,300.0	90.00	179.54	10,890.0	-5,430.0	-241.3	5,434.8	0.00	0.00	0.00
16,400.0	90.00	179.54	10,890.0	-5,530.0	-240.5	5,534.8	0.00	0.00	0.00
16,500.0	90.00	179.54	10,890.0	-5,630.0	-239.7	5,634.7	0.00	0.00	0.00
16,600.0	90.00	179.54	10,890.0	-5,730.0	-238.9	5,734.6	0.00	0.00	0.00
16,700.0	90.00	179.54	10,890.0	-5,830.0	-238.1	5,834.6	0.00	0.00	0.00
16,800.0	90.00	179.54	10,890.0	-5,930.0	-237.3	5,934.5	0.00	0.00	0.00
16,900.0	90.00	179.54	10,890.0	-6,030.0	-236.4	6,034.4	0.00	0.00	0.00
17,000.0	90.00	179.54	10,890.0	-6,130.0	-235.6	6,134.3	0.00	0.00	0.00
17,100.0	90.00	179.54	10,890.0	-6,230.0	-234.8	6,234.3	0.00	0.00	0.00
17,200.0	90.00	179.54	10,890.0	-6,330.0	-234.0	6,334.2	0.00	0.00	0.00
17,300.0	90.00	179.54	10,890.0	-6,430.0	-233.2	6,434.1	0.00	0.00	0.00
17,400.0	90.00	179.54	10,890.0	-6,530.0	-232.4	6,534.0	0.00	0.00	0.00
17,500.0	90.00	179.54	10,890.0	-6,630.0	-231.6	6,634.0	0.00	0.00	0.00
17,600.0	90.00	179.54	10,890.0	-6,730.0	-230.8	6,733.9	0.00	0.00	0.00
17,700.0	90.00	179.54	10,890.0	-6,830.0	-230.0	6,833.8	0.00	0.00	0.00
17,800.0	90.00	179.54	10,890.0	-6,930.0	-229.2	6,933.8	0.00	0.00	0.00
17,900.0	90.00	179.54	10,890.0	-7,030.0	-228.4	7,033.7	0.00	0.00	0.00
18,000.0	90.00	179.54	10,890.0	-7,130.0	-227.6	7,133.6	0.00	0.00	0.00
18,100.0	90.00	179.54	10,890.0	-7,230.0	-226.8	7,233.5	0.00	0.00	0.00
18,200.0	90.00	179.54	10,890.0	-7,330.0	-226.0	7,333.5	0.00	0.00	0.00
18,300.0	90.00	179.54	10,890.0	-7,430.0	-225.2	7,433.4	0.00	0.00	0.00
18,326.0	90.00	179.54	10,890.0	-7,456.0	-225.0	7,459.4	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Nectarine 13 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: kb = 25' @ 3803.0usft
MD Reference: kb = 25' @ 3803.0usft
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									
PBHL (Nectarine 13 St C - plan hits target center - Point	0.00	0.00	10,890.0	-7,456.0	-225.0	533,795.00	787,986.00	32° 27' 53.734 N	103° 32' 1.002 W
FTP (Nectarine 13 St Cc - plan misses target center by 39.9usft at 10981.8usft MD (10853.0 TVD, -116.9 N, -282.4 E) - Point	0.00	0.00	10,890.0	-102.0	-284.0	541,149.00	787,927.00	32° 29' 6.504 N	103° 32' 1.047 W