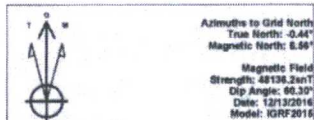




Lea County, NM (NAD 27 NME)
Persimmon 24 State Com #501H
Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 6.56°
 To convert a Magnetic Direction to a True Direction, Add 7.00° East
 To convert a True Direction to a Grid Direction, Subtract 0.44°

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1886
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level

WELL DETAILS: #501H

Ground Level: 3796.0
 KB = 25' @ 3781.0 nT
 Northing: 633285.00
 Easting: 751325.00
 Latitude: 32° 27' 48.219 N
 Longitude: 103° 31' 4.530 W

SECTION DETAILS

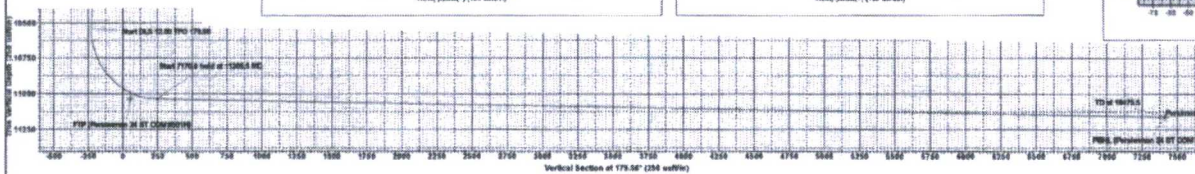
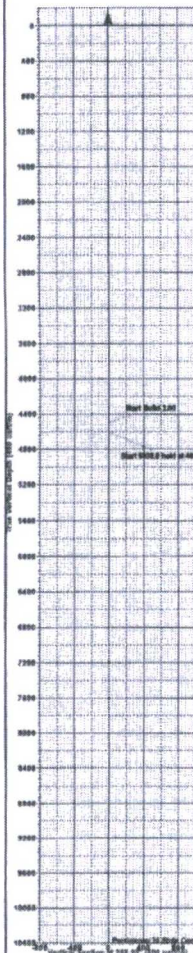
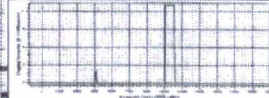
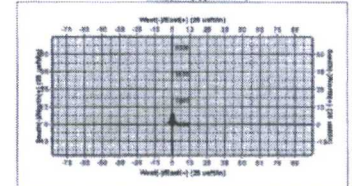
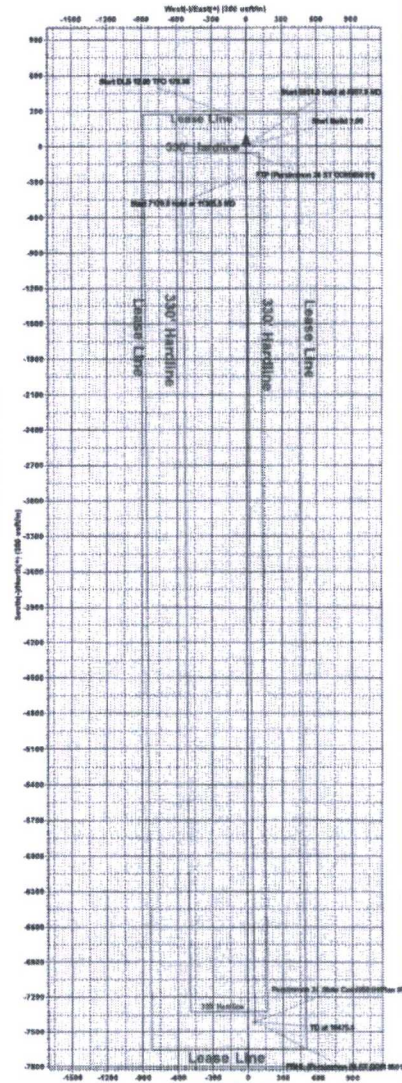
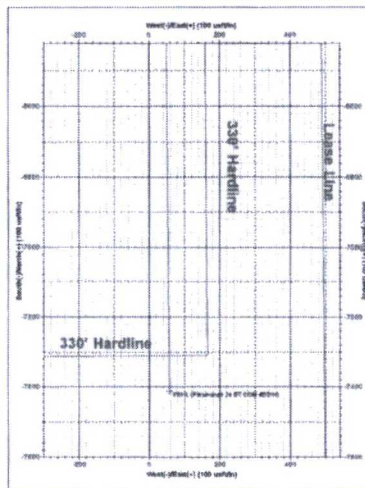
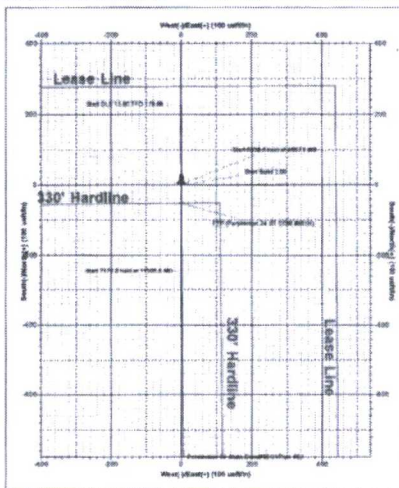
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	6.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4607.8	2.16	359.58	4607.8	2.0	0.0	2.00	369.58	-2.0	
4	10545.8	2.16	359.58	10541.6	225.5	-1.7	0.00	0.00	-225.5	
5	11305.5	89.00	179.56	11037.0	-243.3	1.9	12.00	179.98	243.3	
6	18475.5	89.00	179.56	11162.1	-7412.0	57.0	0.00	0.00	7412.2	PBHL (Persimmon 24 ST COM #501H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (Persimmon 24 ST COM #501H)	11162.1	-7412.0	57.0	633285.00	751325.00
FTP (Persimmon 24 ST COM #501H)	11037.0	-83.0	0.0	633200.00	751326.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Persimmon 24 State Com

#501H

OH

Plan: Plan #0.1

Standard Planning Report

14 December, 2016



EOG Resources, Inc. Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Persimmon 24 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3781.0usft
MD Reference: KB = 25' @ 3781.0usft
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	Persimmon 24 State Com			
Site Position:		Northing:	533,255.00 usft	Latitude: 32° 27' 48.215 N
From:	Map	Easting:	751,325.00 usft	Longitude: 103° 31' 6.530 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.44 °

Well	#501H			
Well Position	+N/-S	0.0 usft	Northing: 533,255.00 usft	Latitude: 32° 27' 48.215 N
	+E/-W	0.0 usft	Easting: 751,325.00 usft	Longitude: 103° 31' 6.530 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,756.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/13/2016	7.00	60.30	48,136

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	179.56

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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,607.8	2.16	359.58	4,607.8	2.0	0.0	2.00	2.00	0.00	359.58	
10,545.8	2.16	359.58	10,541.6	225.5	-1.7	0.00	0.00	0.00	0.00	
11,305.5	89.00	179.56	11,037.0	-243.3	1.9	12.00	11.43	23.69	179.98	
18,475.5	89.00	179.56	11,162.1	-7,412.0	57.0	0.00	0.00	0.00	0.00	PBHL (Persimmon 24)



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Persimmon 24 State Corn
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3781.0usft
MD Reference: KB = 25' @ 3781.0usft
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	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,607.8	2.16	359.58	4,607.8	2.0	0.0	-2.0	2.00	2.00	0.00
4,700.0	2.16	359.58	4,699.9	5.5	0.0	-5.5	0.00	0.00	0.00
4,800.0	2.16	359.58	4,799.8	9.3	-0.1	-9.3	0.00	0.00	0.00
4,900.0	2.16	359.58	4,899.8	13.0	-0.1	-13.0	0.00	0.00	0.00
5,000.0	2.16	359.58	4,999.7	16.8	-0.1	-16.8	0.00	0.00	0.00
5,100.0	2.16	359.58	5,099.6	20.5	-0.2	-20.5	0.00	0.00	0.00
5,200.0	2.16	359.58	5,199.6	24.3	-0.2	-24.3	0.00	0.00	0.00
5,300.0	2.16	359.58	5,299.5	28.1	-0.2	-28.1	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 27 NME)
Site: Persimmon 24 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3781.0usft
MD Reference: KB = 25' @ 3781.0usft
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)
5,400.0	2.16	359.58	5,399.4	31.8	-0.2	-31.8	0.00	0.00	0.00
5,500.0	2.16	359.58	5,499.3	35.6	-0.3	-35.6	0.00	0.00	0.00
5,600.0	2.16	359.58	5,599.3	39.4	-0.3	-39.4	0.00	0.00	0.00
5,700.0	2.16	359.58	5,699.2	43.1	-0.3	-43.1	0.00	0.00	0.00
5,800.0	2.16	359.58	5,799.1	46.9	-0.3	-46.9	0.00	0.00	0.00
5,900.0	2.16	359.58	5,899.1	50.7	-0.4	-50.7	0.00	0.00	0.00
6,000.0	2.16	359.58	5,999.0	54.4	-0.4	-54.4	0.00	0.00	0.00
6,100.0	2.16	359.58	6,098.9	58.2	-0.4	-58.2	0.00	0.00	0.00
6,200.0	2.16	359.58	6,198.8	61.9	-0.5	-61.9	0.00	0.00	0.00
6,300.0	2.16	359.58	6,298.8	65.7	-0.5	-65.7	0.00	0.00	0.00
6,400.0	2.16	359.58	6,398.7	69.5	-0.5	-69.5	0.00	0.00	0.00
6,500.0	2.16	359.58	6,498.6	73.2	-0.5	-73.2	0.00	0.00	0.00
6,600.0	2.16	359.58	6,598.6	77.0	-0.6	-77.0	0.00	0.00	0.00
6,700.0	2.16	359.58	6,698.5	80.8	-0.6	-80.8	0.00	0.00	0.00
6,800.0	2.16	359.58	6,798.4	84.5	-0.6	-84.5	0.00	0.00	0.00
6,900.0	2.16	359.58	6,898.4	88.3	-0.6	-88.3	0.00	0.00	0.00
7,000.0	2.16	359.58	6,998.3	92.0	-0.7	-92.0	0.00	0.00	0.00
7,100.0	2.16	359.58	7,098.2	95.8	-0.7	-95.8	0.00	0.00	0.00
7,200.0	2.16	359.58	7,198.1	99.6	-0.7	-99.6	0.00	0.00	0.00
7,300.0	2.16	359.58	7,298.1	103.3	-0.8	-103.3	0.00	0.00	0.00
7,400.0	2.16	359.58	7,398.0	107.1	-0.8	-107.1	0.00	0.00	0.00
7,500.0	2.16	359.58	7,497.9	110.9	-0.8	-110.9	0.00	0.00	0.00
7,600.0	2.16	359.58	7,597.9	114.6	-0.8	-114.6	0.00	0.00	0.00
7,700.0	2.16	359.58	7,697.8	118.4	-0.9	-118.4	0.00	0.00	0.00
7,800.0	2.16	359.58	7,797.7	122.2	-0.9	-122.2	0.00	0.00	0.00
7,900.0	2.16	359.58	7,897.6	125.9	-0.9	-125.9	0.00	0.00	0.00
8,000.0	2.16	359.58	7,997.6	129.7	-1.0	-129.7	0.00	0.00	0.00
8,100.0	2.16	359.58	8,097.5	133.4	-1.0	-133.4	0.00	0.00	0.00
8,200.0	2.16	359.58	8,197.4	137.2	-1.0	-137.2	0.00	0.00	0.00
8,300.0	2.16	359.58	8,297.4	141.0	-1.0	-141.0	0.00	0.00	0.00
8,400.0	2.16	359.58	8,397.3	144.7	-1.1	-144.7	0.00	0.00	0.00
8,500.0	2.16	359.58	8,497.2	148.5	-1.1	-148.5	0.00	0.00	0.00
8,600.0	2.16	359.58	8,597.1	152.3	-1.1	-152.3	0.00	0.00	0.00
8,700.0	2.16	359.58	8,697.1	156.0	-1.1	-156.0	0.00	0.00	0.00
8,800.0	2.16	359.58	8,797.0	159.8	-1.2	-159.8	0.00	0.00	0.00
8,900.0	2.16	359.58	8,896.9	163.5	-1.2	-163.5	0.00	0.00	0.00
9,000.0	2.16	359.58	8,996.9	167.3	-1.2	-167.3	0.00	0.00	0.00
9,100.0	2.16	359.58	9,096.8	171.1	-1.3	-171.1	0.00	0.00	0.00
9,200.0	2.16	359.58	9,196.7	174.8	-1.3	-174.8	0.00	0.00	0.00
9,300.0	2.16	359.58	9,296.7	178.6	-1.3	-178.6	0.00	0.00	0.00
9,400.0	2.16	359.58	9,396.6	182.4	-1.3	-182.4	0.00	0.00	0.00
9,500.0	2.16	359.58	9,496.5	186.1	-1.4	-186.1	0.00	0.00	0.00
9,600.0	2.16	359.58	9,596.4	189.9	-1.4	-189.9	0.00	0.00	0.00
9,700.0	2.16	359.58	9,696.4	193.6	-1.4	-193.7	0.00	0.00	0.00
9,800.0	2.16	359.58	9,796.3	197.4	-1.5	-197.4	0.00	0.00	0.00
9,900.0	2.16	359.58	9,896.2	201.2	-1.5	-201.2	0.00	0.00	0.00
10,000.0	2.16	359.58	9,996.2	204.9	-1.5	-204.9	0.00	0.00	0.00
10,100.0	2.16	359.58	10,096.1	208.7	-1.5	-208.7	0.00	0.00	0.00
10,200.0	2.16	359.58	10,196.0	212.5	-1.6	-212.5	0.00	0.00	0.00
10,300.0	2.16	359.58	10,295.9	216.2	-1.6	-216.2	0.00	0.00	0.00
10,400.0	2.16	359.58	10,395.9	220.0	-1.6	-220.0	0.00	0.00	0.00
10,500.0	2.16	359.58	10,495.8	223.8	-1.6	-223.8	0.00	0.00	0.00
10,545.8	2.16	359.58	10,541.6	225.5	-1.7	-225.5	0.00	0.00	0.00
10,550.0	1.66	359.58	10,545.8	225.6	-1.7	-225.6	12.00	-12.00	0.13



EOG Resources, Inc. Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Persimmon 24 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3781.0usft
MD Reference: KB = 25' @ 3781.0usft
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)
10,575.0	1.34	179.53	10,570.8	225.7	-1.7	-225.7	12.00	-1.26	719.78
10,600.0	4.34	179.55	10,595.7	224.4	-1.7	-224.4	12.00	12.00	0.08
10,625.0	7.34	179.55	10,620.6	221.9	-1.6	-221.9	12.00	12.00	0.02
10,650.0	10.34	179.56	10,645.3	218.1	-1.6	-218.1	12.00	12.00	0.01
10,675.0	13.34	179.56	10,669.8	212.9	-1.6	-212.9	12.00	12.00	0.00
10,700.0	16.34	179.56	10,693.9	208.5	-1.5	-208.5	12.00	12.00	0.00
10,725.0	19.34	179.56	10,717.7	198.9	-1.5	-198.9	12.00	12.00	0.00
10,750.0	22.34	179.56	10,741.1	190.0	-1.4	-190.0	12.00	12.00	0.00
10,775.0	25.34	179.56	10,763.9	179.9	-1.3	-179.9	12.00	12.00	0.00
10,800.0	28.34	179.56	10,786.2	168.6	-1.2	-168.6	12.00	12.00	0.00
10,825.0	31.34	179.56	10,807.9	156.1	-1.1	-156.1	12.00	12.00	0.00
10,850.0	34.34	179.56	10,828.9	142.6	-1.0	-142.6	12.00	12.00	0.00
10,875.0	37.34	179.56	10,849.2	127.9	-0.9	-128.0	12.00	12.00	0.00
10,900.0	40.34	179.56	10,868.7	112.3	-0.8	-112.3	12.00	12.00	0.00
10,925.0	43.34	179.56	10,887.3	95.6	-0.7	-95.6	12.00	12.00	0.00
10,950.0	46.34	179.56	10,905.0	78.0	-0.5	-78.0	12.00	12.00	0.00
10,975.0	49.34	179.56	10,921.8	59.4	-0.4	-59.4	12.00	12.00	0.00
11,000.0	52.34	179.56	10,937.6	40.1	-0.2	-40.1	12.00	12.00	0.00
11,025.0	55.34	179.56	10,952.3	19.9	-0.1	-19.9	12.00	12.00	0.00
11,050.0	58.34	179.56	10,966.0	-1.1	0.1	1.1	12.00	12.00	0.00
11,075.0	61.34	179.56	10,978.6	-22.7	0.3	22.7	12.00	12.00	0.00
11,100.0	64.34	179.56	10,990.0	-44.9	0.4	44.9	12.00	12.00	0.00
11,125.0	67.34	179.56	11,000.2	-67.7	0.6	67.7	12.00	12.00	0.00
FTP (Persimmon 24 ST COM #501H)									
11,150.0	70.34	179.56	11,009.2	-91.0	0.8	91.0	12.00	12.00	0.00
11,175.0	73.34	179.56	11,017.0	-114.8	1.0	114.8	12.00	12.00	0.00
11,200.0	76.34	179.56	11,023.5	-138.9	1.1	138.9	12.00	12.00	0.00
11,225.0	79.34	179.56	11,028.8	-163.3	1.3	163.3	12.00	12.00	0.00
11,250.0	82.34	179.56	11,032.8	-188.0	1.5	188.0	12.00	12.00	0.00
11,275.0	85.34	179.56	11,035.5	-212.9	1.7	212.9	12.00	12.00	0.00
11,300.0	88.34	179.56	11,036.8	-237.8	1.9	237.8	12.00	12.00	0.00
11,305.5	89.00	179.56	11,037.0	-243.3	1.9	243.3	12.00	12.00	0.00
11,400.0	89.00	179.56	11,038.6	-337.8	2.7	337.8	0.00	0.00	0.00
11,500.0	89.00	179.56	11,040.4	-437.8	3.4	437.8	0.00	0.00	0.00
11,600.0	89.00	179.56	11,042.1	-537.8	4.2	537.8	0.00	0.00	0.00
11,700.0	89.00	179.56	11,043.9	-637.8	5.0	637.8	0.00	0.00	0.00
11,800.0	89.00	179.56	11,045.6	-737.7	5.7	737.8	0.00	0.00	0.00
11,900.0	89.00	179.56	11,047.3	-837.7	6.5	837.7	0.00	0.00	0.00
12,000.0	89.00	179.56	11,049.1	-937.7	7.3	937.7	0.00	0.00	0.00
12,100.0	89.00	179.56	11,050.8	-1,037.7	8.0	1,037.7	0.00	0.00	0.00
12,200.0	89.00	179.56	11,052.6	-1,137.7	8.8	1,137.7	0.00	0.00	0.00
12,300.0	89.00	179.56	11,054.3	-1,237.6	9.6	1,237.7	0.00	0.00	0.00
12,400.0	89.00	179.56	11,056.1	-1,337.6	10.4	1,337.7	0.00	0.00	0.00
12,500.0	89.00	179.56	11,057.8	-1,437.6	11.1	1,437.7	0.00	0.00	0.00
12,600.0	89.00	179.56	11,059.6	-1,537.6	11.9	1,537.6	0.00	0.00	0.00
12,700.0	89.00	179.56	11,061.3	-1,637.6	12.7	1,637.6	0.00	0.00	0.00
12,800.0	89.00	179.56	11,063.0	-1,737.6	13.4	1,737.6	0.00	0.00	0.00
12,900.0	89.00	179.56	11,064.8	-1,837.5	14.2	1,837.6	0.00	0.00	0.00
13,000.0	89.00	179.56	11,066.5	-1,937.5	15.0	1,937.6	0.00	0.00	0.00
13,100.0	89.00	179.56	11,068.3	-2,037.5	15.7	2,037.6	0.00	0.00	0.00
13,200.0	89.00	179.56	11,070.0	-2,137.5	16.5	2,137.5	0.00	0.00	0.00
13,300.0	89.00	179.56	11,071.8	-2,237.5	17.3	2,237.5	0.00	0.00	0.00
13,400.0	89.00	179.56	11,073.5	-2,337.4	18.0	2,337.5	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 27 NME)
Site: Persimmon 24 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3781.0usft
MD Reference: KB = 25' @ 3781.0usft
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)
13,500.0	89.00	179.56	11,075.3	-2,437.4	18.8	2,437.5	0.00	0.00	0.00
13,600.0	89.00	179.56	11,077.0	-2,537.4	19.6	2,537.5	0.00	0.00	0.00
13,700.0	89.00	179.56	11,078.8	-2,637.4	20.3	2,637.5	0.00	0.00	0.00
13,800.0	89.00	179.56	11,080.5	-2,737.4	21.1	2,737.5	0.00	0.00	0.00
13,900.0	89.00	179.56	11,082.2	-2,837.4	21.9	2,837.4	0.00	0.00	0.00
14,000.0	89.00	179.56	11,084.0	-2,937.3	22.6	2,937.4	0.00	0.00	0.00
14,100.0	89.00	179.56	11,085.7	-3,037.3	23.4	3,037.4	0.00	0.00	0.00
14,200.0	89.00	179.56	11,087.5	-3,137.3	24.2	3,137.4	0.00	0.00	0.00
14,300.0	89.00	179.56	11,089.2	-3,237.3	24.9	3,237.4	0.00	0.00	0.00
14,400.0	89.00	179.56	11,091.0	-3,337.3	25.7	3,337.4	0.00	0.00	0.00
14,500.0	89.00	179.56	11,092.7	-3,437.2	26.5	3,437.3	0.00	0.00	0.00
14,600.0	89.00	179.56	11,094.5	-3,537.2	27.2	3,537.3	0.00	0.00	0.00
14,700.0	89.00	179.56	11,096.2	-3,637.2	28.0	3,637.3	0.00	0.00	0.00
14,800.0	89.00	179.56	11,098.0	-3,737.2	28.8	3,737.3	0.00	0.00	0.00
14,900.0	89.00	179.56	11,099.7	-3,837.2	29.5	3,837.3	0.00	0.00	0.00
15,000.0	89.00	179.56	11,101.4	-3,937.2	30.3	3,937.3	0.00	0.00	0.00
15,100.0	89.00	179.56	11,103.2	-4,037.1	31.1	4,037.3	0.00	0.00	0.00
15,200.0	89.00	179.56	11,104.9	-4,137.1	31.9	4,137.2	0.00	0.00	0.00
15,300.0	89.00	179.56	11,106.7	-4,237.1	32.6	4,237.2	0.00	0.00	0.00
15,400.0	89.00	179.56	11,108.4	-4,337.1	33.4	4,337.2	0.00	0.00	0.00
15,500.0	89.00	179.56	11,110.2	-4,437.1	34.2	4,437.2	0.00	0.00	0.00
15,600.0	89.00	179.56	11,111.9	-4,537.0	34.9	4,537.2	0.00	0.00	0.00
15,700.0	89.00	179.56	11,113.7	-4,637.0	35.7	4,637.2	0.00	0.00	0.00
15,800.0	89.00	179.56	11,115.4	-4,737.0	36.5	4,737.2	0.00	0.00	0.00
15,900.0	89.00	179.56	11,117.2	-4,837.0	37.2	4,837.1	0.00	0.00	0.00
16,000.0	89.00	179.56	11,118.9	-4,937.0	38.0	4,937.1	0.00	0.00	0.00
16,100.0	89.00	179.56	11,120.6	-5,037.0	38.8	5,037.1	0.00	0.00	0.00
16,200.0	89.00	179.56	11,122.4	-5,136.9	39.5	5,137.1	0.00	0.00	0.00
16,300.0	89.00	179.56	11,124.1	-5,236.9	40.3	5,237.1	0.00	0.00	0.00
16,400.0	89.00	179.56	11,125.9	-5,336.9	41.1	5,337.1	0.00	0.00	0.00
16,500.0	89.00	179.56	11,127.6	-5,436.9	41.8	5,437.0	0.00	0.00	0.00
16,600.0	89.00	179.56	11,129.4	-5,536.9	42.6	5,537.0	0.00	0.00	0.00
16,700.0	89.00	179.56	11,131.1	-5,636.8	43.4	5,637.0	0.00	0.00	0.00
16,800.0	89.00	179.56	11,132.9	-5,736.8	44.1	5,737.0	0.00	0.00	0.00
16,900.0	89.00	179.56	11,134.6	-5,836.8	44.9	5,837.0	0.00	0.00	0.00
17,000.0	89.00	179.56	11,136.3	-5,936.8	45.7	5,937.0	0.00	0.00	0.00
17,100.0	89.00	179.56	11,138.1	-6,036.8	46.4	6,037.0	0.00	0.00	0.00
17,200.0	89.00	179.56	11,139.8	-6,136.8	47.2	6,136.9	0.00	0.00	0.00
17,300.0	89.00	179.56	11,141.6	-6,236.7	48.0	6,236.9	0.00	0.00	0.00
17,400.0	89.00	179.56	11,143.3	-6,336.7	48.7	6,336.9	0.00	0.00	0.00
17,500.0	89.00	179.56	11,145.1	-6,436.7	49.5	6,436.9	0.00	0.00	0.00
17,600.0	89.00	179.56	11,146.8	-6,536.7	50.3	6,536.9	0.00	0.00	0.00
17,700.0	89.00	179.56	11,148.6	-6,636.7	51.0	6,636.9	0.00	0.00	0.00
17,800.0	89.00	179.56	11,150.3	-6,736.6	51.8	6,736.8	0.00	0.00	0.00
17,900.0	89.00	179.56	11,152.1	-6,836.6	52.6	6,836.8	0.00	0.00	0.00
18,000.0	89.00	179.56	11,153.8	-6,936.6	53.3	6,936.8	0.00	0.00	0.00
18,100.0	89.00	179.56	11,155.5	-7,036.6	54.1	7,036.8	0.00	0.00	0.00
18,200.0	89.00	179.56	11,157.3	-7,136.6	54.9	7,136.8	0.00	0.00	0.00
18,300.0	89.00	179.56	11,159.0	-7,236.6	55.7	7,236.8	0.00	0.00	0.00
18,400.0	89.00	179.56	11,160.8	-7,336.5	56.4	7,336.8	0.00	0.00	0.00
18,475.5	89.00	179.56	11,162.1	-7,412.0	57.0	7,412.2	0.00	0.00	0.00
PBHL (Persimmon 24 ST COM #501H)									



EOG Resources, Inc.
Planning Report

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Site: Persimmon 24 State Com
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Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3781.0usft
MD Reference: KB = 25' @ 3781.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 (Persimmon 24 ST - plan misses target center by 39.6usft at 11125.0usft MD (11000.2 TVD, -67.7 N, 0.6 E) - Point	0.00	0.00	11,037.0	-53.0	0.0	533,202.00	751,325.00	32° 27' 47.690 N	103° 31' 6.535 W
PBHL (Persimmon 24 S - plan hits target center - Point	0.00	0.00	11,162.1	-7,412.0	57.0	525,843.00	751,382.00	32° 26' 34.868 N	103° 31' 6.525 W