

AUG 12 2014

RECEIVED



Lea County, NM (NAD 27 NME)

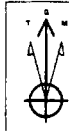
Mars 10 State #503H

Cactus 123

Plan #1

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

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 5001
 System Datum: Mean Sea Level



Azimuths to Grid North
 True North: -0.41°
 Magnetic North: 6.79°
 Magnetic Field
 Strength: 48324.6 nT
 Dip Angle: 80.13°
 Date: 8/17/2014
 Model: IGRF201014

To convert a Magnetic Direction to a Grid Direction, Add 6.79°
 To convert a Magnetic Direction to a True Direction, Add 7.21° East
 To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: Mars 10 State #503H

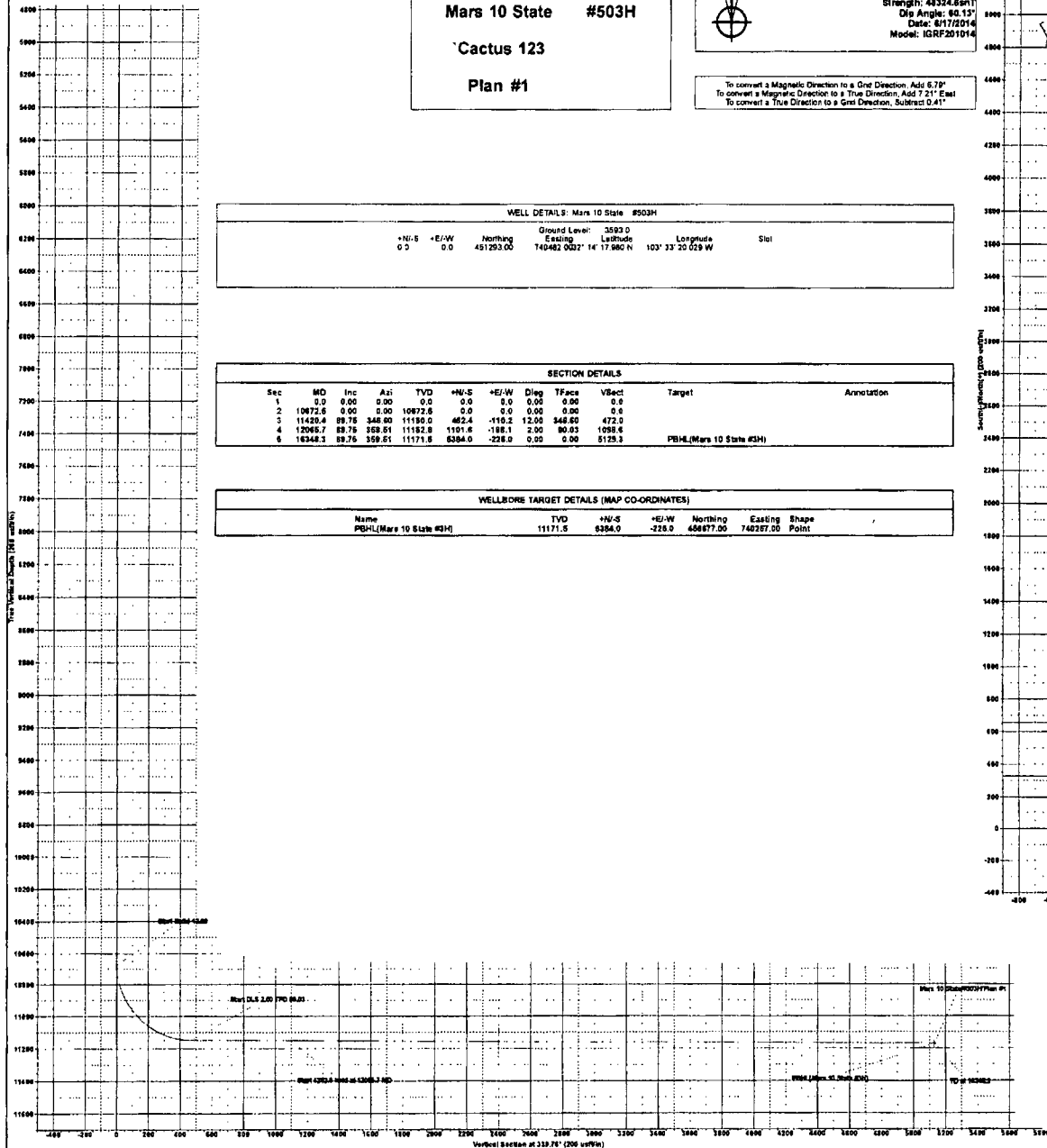
	+N/-S	+E/-W	North	East	Longitude	Slut
Ground Level	0.0	0.0	431293.00	740482.00	103° 33' 20.529 W	

SECTION DETAILS

Sec	MD	Inc	Alt	TVD	+N/-S	+E/-W	Dip	TFace	VFace	Target	Annotation
1	0.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.0		
2	10872.6	0.00	0.00	10872.6	0.0	0.0	0.00	0.00	0.0		
3	11420.4	89.76	346.00	11180.0	482.4	-110.2	12.00	346.00	472.0		
4	12045.7	89.76	359.51	11182.8	1101.6	-188.1	2.00	80.83	1098.6		
6	16348.3	89.76	359.51	11171.8	6384.0	-228.0	0.00	0.00	5125.3	PBH (Mars 10 State #5H)	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	North	East	Shape
PBH (Mars 10 State #5H)	11171.8	6384.0	-228.0	436877.00	742827.00	Point



AUG 12 2014



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Mars 10 State

#503H

OH

Plan: Plan #1

Standard Planning Report

11 August, 2014



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Mars 10 State
Well: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
MD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
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	Mars 10 State			
Site Position:		Northing:	451,419.00 usft	Latitude: 32° 14' 19.322 N
From:	Map	Easting:	739,148.00 usft	Longitude: 103° 33' 35.549 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.41 °

Well	#503H			
Well Position	+N/-S	-126.0 usft	Northing:	451,293.00 usft
	+E/-W	1,334.0 usft	Easting:	740,482.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft
			Ground Level:	3,593.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF201014	6/17/2014	7.21	60.13	48,325

Design	Plan #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	339.76

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	
10,672.5	0.00	0.00	10,672.5	0.0	0.0	0.00	0.00	0.00	0.00	
11,420.4	89.75	346.60	11,150.0	462.4	-110.2	12.00	12.00	0.00	346.60	
12,065.7	89.75	359.51	11,152.8	1,101.6	-188.1	2.00	0.00	2.00	90.03	
16,348.3	89.75	359.51	11,171.5	5,384.0	-225.0	0.00	0.00	0.00	0.00	PBHL(Mars 10 State i



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Mars 10 State
Well: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
MD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
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
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	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: Mars 10 State
 Well: #503H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #503H
 TVD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
 MD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
 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	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,672.5	0.00	0.00	10,672.5	0.0	0.0	0.0	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: Mars 10 State
Well: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
MD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
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)
10,675.0	0.30	346.60	10,675.0	0.0	0.0	0.0	12.00	12.00	0.00
10,700.0	3.30	346.60	10,700.0	0.8	-0.2	0.8	12.00	12.00	0.00
10,725.0	6.30	346.60	10,724.9	2.8	-0.7	2.9	12.00	12.00	0.00
10,750.0	9.30	346.60	10,749.7	6.1	-1.5	6.2	12.00	12.00	0.00
10,775.0	12.30	346.60	10,774.2	10.7	-2.5	10.9	12.00	12.00	0.00
10,800.0	15.30	346.60	10,798.5	16.5	-3.9	16.8	12.00	12.00	0.00
10,825.0	18.30	346.60	10,822.4	23.5	-5.6	24.0	12.00	12.00	0.00
10,850.0	21.30	346.60	10,845.9	31.7	-7.6	32.4	12.00	12.00	0.00
10,875.0	24.30	346.60	10,869.0	41.2	-9.8	42.0	12.00	12.00	0.00
10,900.0	27.30	346.60	10,891.5	51.7	-12.3	52.8	12.00	12.00	0.00
10,925.0	30.30	346.60	10,913.4	63.4	-15.1	64.8	12.00	12.00	0.00
10,950.0	33.30	346.60	10,934.6	76.3	-18.2	77.8	12.00	12.00	0.00
10,975.0	36.30	346.60	10,955.2	90.1	-21.5	92.0	12.00	12.00	0.00
11,000.0	39.30	346.60	10,974.9	105.0	-25.0	107.2	12.00	12.00	0.00
11,025.0	42.30	346.60	10,993.8	120.9	-28.8	123.4	12.00	12.00	0.00
11,050.0	45.30	346.60	11,011.9	137.8	-32.8	140.6	12.00	12.00	0.00
11,075.0	48.30	346.60	11,029.0	155.5	-37.0	158.7	12.00	12.00	0.00
11,100.0	51.30	346.60	11,045.1	174.1	-41.5	177.7	12.00	12.00	0.00
11,125.0	54.30	346.60	11,060.2	193.4	-46.1	197.4	12.00	12.00	0.00
11,150.0	57.30	346.60	11,074.3	213.5	-50.9	218.0	12.00	12.00	0.00
11,175.0	60.30	346.60	11,087.2	234.3	-55.8	239.2	12.00	12.00	0.00
11,200.0	63.30	346.60	11,099.1	255.8	-60.9	261.1	12.00	12.00	0.00
11,225.0	66.30	346.60	11,109.7	277.8	-66.2	283.5	12.00	12.00	0.00
11,250.0	69.30	346.60	11,119.1	300.3	-71.5	306.5	12.00	12.00	0.00
11,275.0	72.30	346.60	11,127.4	323.3	-77.0	329.9	12.00	12.00	0.00
11,300.0	75.30	346.60	11,134.3	346.6	-82.6	353.8	12.00	12.00	0.00
11,325.0	78.30	346.60	11,140.0	370.3	-88.2	377.9	12.00	12.00	0.00
11,350.0	81.30	346.60	11,144.5	394.2	-93.9	402.4	12.00	12.00	0.00
11,375.0	84.30	346.60	11,147.8	418.3	-99.7	427.0	12.00	12.00	0.00
11,400.0	87.30	346.60	11,149.4	442.6	-105.4	451.7	12.00	12.00	0.00
11,420.4	89.75	346.60	11,150.0	462.4	-110.2	472.0	12.00	12.00	0.00
11,500.0	89.75	348.19	11,150.3	540.1	-127.5	550.9	2.00	0.00	2.00
11,600.0	89.75	350.19	11,150.7	638.3	-146.3	649.5	2.00	0.00	2.00
11,700.0	89.75	352.19	11,151.2	737.1	-161.6	747.5	2.00	0.00	2.00
11,800.0	89.75	354.19	11,151.6	836.4	-173.5	844.8	2.00	0.00	2.00
11,900.0	89.75	356.19	11,152.1	936.1	-181.8	941.2	2.00	0.00	2.00
12,000.0	89.75	358.19	11,152.5	1,035.9	-186.7	1,036.6	2.00	0.00	2.00
12,065.7	89.75	359.51	11,152.8	1,101.6	-188.1	1,098.6	2.00	0.00	2.00
12,100.0	89.75	359.51	11,152.9	1,135.9	-188.3	1,130.9	0.00	0.00	0.00
12,200.0	89.75	359.51	11,153.4	1,235.9	-189.2	1,225.1	0.00	0.00	0.00
12,300.0	89.75	359.51	11,153.8	1,335.9	-190.1	1,319.2	0.00	0.00	0.00
12,400.0	89.75	359.51	11,154.3	1,435.9	-190.9	1,413.3	0.00	0.00	0.00
12,500.0	89.75	359.51	11,154.7	1,535.9	-191.8	1,507.4	0.00	0.00	0.00
12,600.0	89.75	359.51	11,155.1	1,635.9	-192.7	1,601.5	0.00	0.00	0.00
12,700.0	89.75	359.51	11,155.6	1,735.9	-193.5	1,695.6	0.00	0.00	0.00
12,800.0	89.75	359.51	11,156.0	1,835.9	-194.4	1,789.8	0.00	0.00	0.00
12,900.0	89.75	359.51	11,156.4	1,935.9	-195.2	1,883.9	0.00	0.00	0.00
13,000.0	89.75	359.51	11,156.9	2,035.9	-196.1	1,978.0	0.00	0.00	0.00
13,100.0	89.75	359.51	11,157.3	2,135.9	-197.0	2,072.1	0.00	0.00	0.00
13,200.0	89.75	359.51	11,157.7	2,235.9	-197.8	2,166.2	0.00	0.00	0.00
13,300.0	89.75	359.51	11,158.2	2,335.9	-198.7	2,260.3	0.00	0.00	0.00
13,400.0	89.75	359.51	11,158.6	2,435.9	-199.6	2,354.5	0.00	0.00	0.00
13,500.0	89.75	359.51	11,159.1	2,535.9	-200.4	2,448.6	0.00	0.00	0.00
13,600.0	89.75	359.51	11,159.5	2,635.9	-201.3	2,542.7	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: Mars 10 State
Well: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
MD Reference: KB = 30 @ 3638.0usft (' Cactus 123)
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)
13,700.0	89.75	359.51	11,159.9	2,735.8	-202.2	2,636.8	0.00	0.00	0.00
13,800.0	89.75	359.51	11,160.4	2,835.8	-203.0	2,730.9	0.00	0.00	0.00
13,900.0	89.75	359.51	11,160.8	2,935.8	-203.9	2,825.1	0.00	0.00	0.00
14,000.0	89.75	359.51	11,161.2	3,035.8	-204.7	2,919.2	0.00	0.00	0.00
14,100.0	89.75	359.51	11,161.7	3,135.8	-205.6	3,013.3	0.00	0.00	0.00
14,200.0	89.75	359.51	11,162.1	3,235.8	-206.5	3,107.4	0.00	0.00	0.00
14,300.0	89.75	359.51	11,162.6	3,335.8	-207.3	3,201.5	0.00	0.00	0.00
14,400.0	89.75	359.51	11,163.0	3,435.8	-208.2	3,295.6	0.00	0.00	0.00
14,500.0	89.75	359.51	11,163.4	3,535.8	-209.1	3,389.8	0.00	0.00	0.00
14,600.0	89.75	359.51	11,163.9	3,635.8	-209.9	3,483.9	0.00	0.00	0.00
14,700.0	89.75	359.51	11,164.3	3,735.8	-210.8	3,578.0	0.00	0.00	0.00
14,800.0	89.75	359.51	11,164.7	3,835.8	-211.6	3,672.1	0.00	0.00	0.00
14,900.0	89.75	359.51	11,165.2	3,935.8	-212.5	3,766.2	0.00	0.00	0.00
15,000.0	89.75	359.51	11,165.6	4,035.8	-213.4	3,860.4	0.00	0.00	0.00
15,100.0	89.75	359.51	11,166.0	4,135.8	-214.2	3,954.5	0.00	0.00	0.00
15,200.0	89.75	359.51	11,166.5	4,235.8	-215.1	4,048.6	0.00	0.00	0.00
15,300.0	89.75	359.51	11,166.9	4,335.8	-216.0	4,142.7	0.00	0.00	0.00
15,400.0	89.75	359.51	11,167.4	4,435.8	-216.8	4,236.8	0.00	0.00	0.00
15,500.0	89.75	359.51	11,167.8	4,535.8	-217.7	4,330.9	0.00	0.00	0.00
15,600.0	89.75	359.51	11,168.2	4,635.8	-218.5	4,425.1	0.00	0.00	0.00
15,700.0	89.75	359.51	11,168.7	4,735.8	-219.4	4,519.2	0.00	0.00	0.00
15,800.0	89.75	359.51	11,169.1	4,835.8	-220.3	4,613.3	0.00	0.00	0.00
15,900.0	89.75	359.51	11,169.5	4,935.7	-221.1	4,707.4	0.00	0.00	0.00
16,000.0	89.75	359.51	11,170.0	5,035.7	-222.0	4,801.5	0.00	0.00	0.00
16,100.0	89.75	359.51	11,170.4	5,135.7	-222.9	4,895.7	0.00	0.00	0.00
16,200.0	89.75	359.51	11,170.9	5,235.7	-223.7	4,989.8	0.00	0.00	0.00
16,300.0	89.75	359.51	11,171.3	5,335.7	-224.6	5,083.9	0.00	0.00	0.00
16,348.3	89.75	359.51	11,171.5	5,384.0	-225.0	5,129.3	0.00	0.00	0.00

PBHL(Mars 10 State #3H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(Mars 10 State #3I)	0.00	0.00	11,171.5	5,384.0	-225.0	456,677.00	740,257.00	32° 15' 11.273 N	103° 33' 22.195 W
- plan hits target center									
- Point									