

Permit Information Revised 3/18/15:

Well Name: Mars 10 State No. 505H

Location:

SHL: 326' FNL & 2260' FEL, Section 10, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 2290' FEL, Section 3, T-24-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 1,310'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,150'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-16,055'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,310'	550	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	250	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,150'	800	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	225	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
16,055'	350	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 4,650')
	400	11.9	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1700	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,310'	Fresh - Gel	8.6-8.8	28-34	N/c
1,310' - 5,150'	Brine	10.0-10.2	28-34	N/c
5,150' - 10,439'	Cut Brine	8.4-9.0	28-34	N/c
10,439' - 16,055' Lateral	Cut Brine	9.0-9.5	40-42	8-10

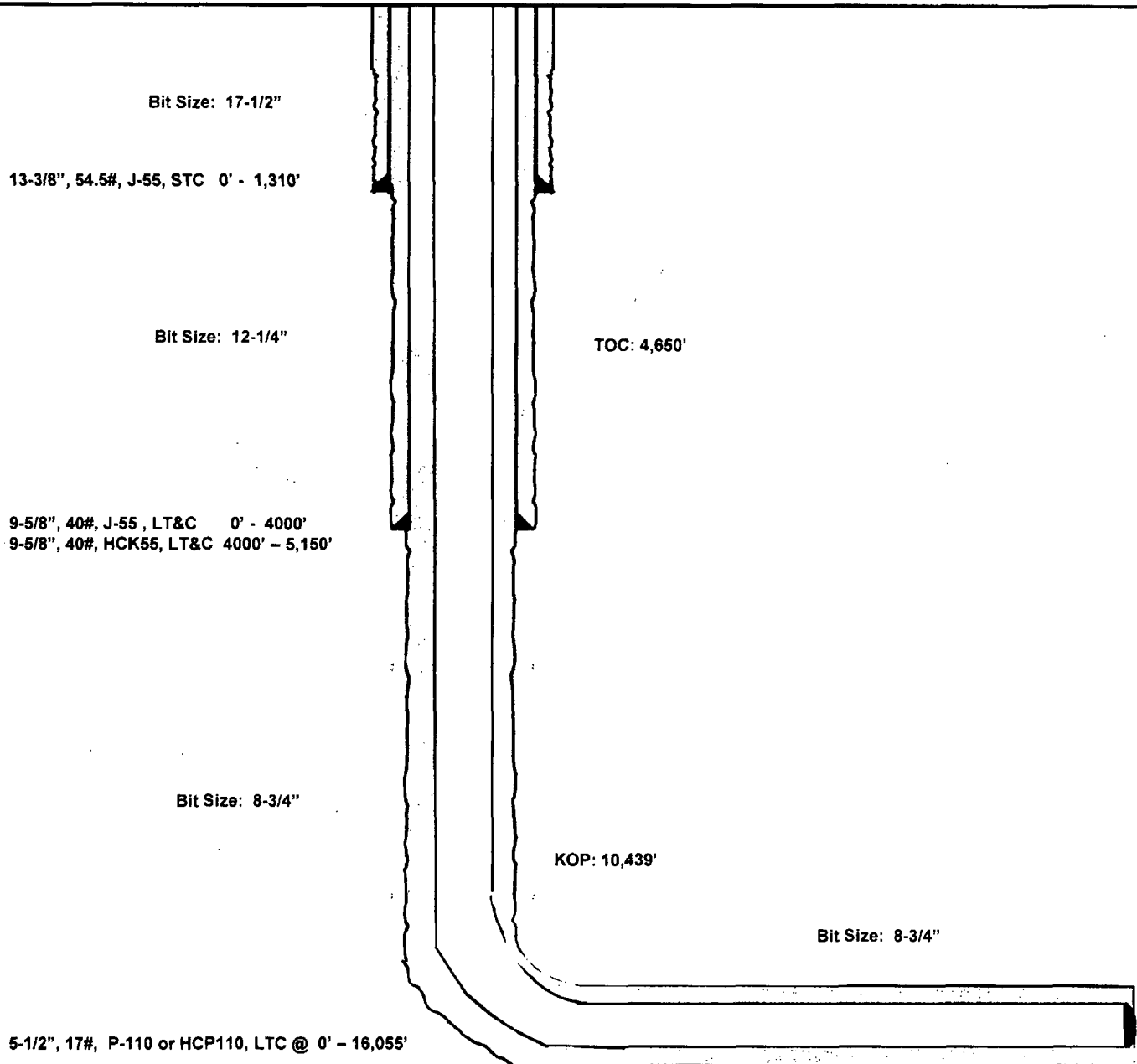
MAR 20 2015

**Mars 10 State #505H
Lea County, New Mexico**

**326' FNL
2260' FEL
Section 10
T-24-S, R-33-E**

**Proposed Wellbore
Revised 3/18/15
API: 30-025-42385**

**KB: 3,624'
GL: 3,594'**



Lateral: 16,055' MD, 11,004' TVD

**BH Location: 230' FNL & 2290' FEL
Section 3
T-24-S, R-33-E**



Lea County, NM (NAD 27 NME)

Mars 10 State #505H

Plan #3

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 3001
System Datum: Mean Sea Level



Azimuths to Grid North
True North: -0.41°
Magnetic North: 8.81°

Magnetic Field
Strength: 48222.5nT
Dip Angle: 60.12°
Date: 10/21/2014
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.81°
To convert a Magnetic Direction to a True Direction, Add 1.24° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: #505H

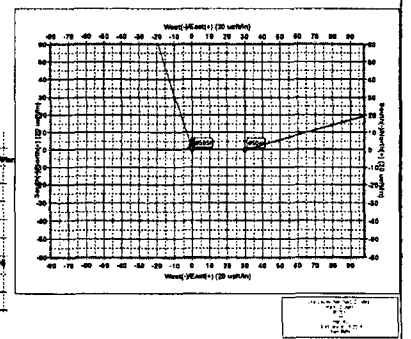
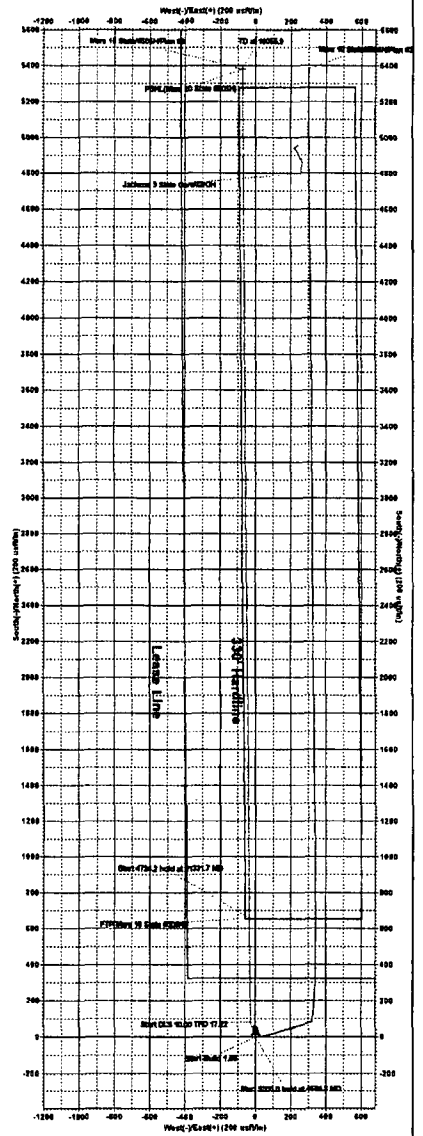
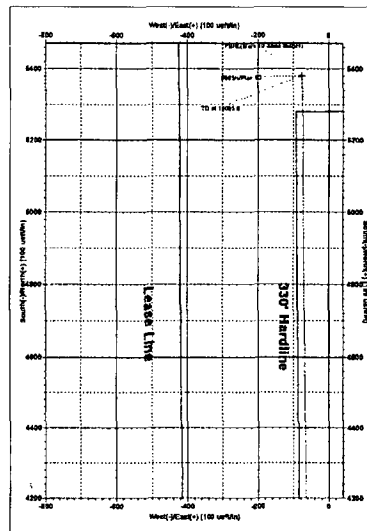
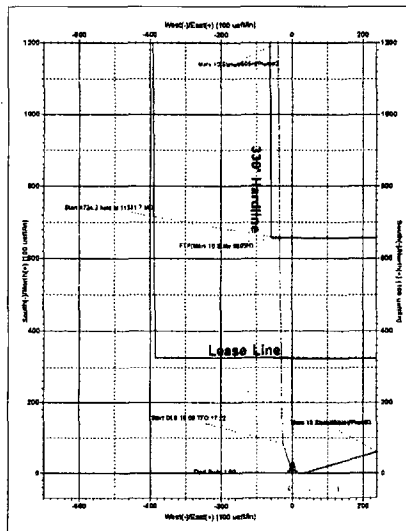
Ground Level: 3594.0
KB = 25' @ 3819.0m
Northing: 451293.00
Easting: 739567.00
Longitude: 103° 33' 30.507 W
Slot

SECTION DETAILS

Sec	MD	Inc	Ad	TVD	+N/S	+E/W	Deg	TFace	VFace	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4650.0	0.00	0.00	4650.0	0.0	0.0	0.00	0.00	0.0		
3	4554.0	0.95	342.28	4554.8	0.8	-0.2	1.00	342.28	0.8		
4	10439.8	0.88	342.28	10439.1	83.1	-26.8	0.00	0.00	83.5		
5	11317.7	80.00	329.80	11004.0	826.0	-34.8	10.00	17.22	826.4		FTP(Mars 10 State #505H)
6	12066.9	80.00	329.80	11004.8	8390.0	-78.0	0.00	0.00	8390.5		PBHL(Mars 10 State #505H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting	Shape
FTP(Mars 10 State #505H)	11004.0	826.0	-34.0	451948.00	739568.00	Point
PBHL(Mars 10 State #505H)	11004.0	8390.0	-78.0	448473.00	739567.00	Point





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Mars 10 State

#505H

OH

Plan: Plan #3

Standard Planning Report

18 March, 2015



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: #505H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well #505H
TVD Reference: KB = 25' @ 3619.0usft
MD Reference: KB = 25' @ 3619.0usft
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	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	#505H			
Well Position	+N/-S	-126.0 usft	Northing: 451,293.00 usft	Latitude: 32° 14' 18.045 N
	+E/-W	434.0 usft	Easting: 739,582.00 usft	Longitude: 103° 33' 30.507 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,594.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	10/21/2014	(°)	(°)	(nT)
			7.24	60.12	48,222

Design	Plan #3			
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	359.20

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	
4,584.8	0.85	342.29	4,584.8	0.6	-0.2	1.00	1.00	0.00	342.29	
10,439.8	0.85	342.29	10,439.1	83.1	-26.6	0.00	0.00	0.00	0.00	
11,331.7	90.00	359.50	11,004.0	656.0	-34.0	10.00	10.00	1.93	17.22	FTP(Mars 10 State #5)
16,055.9	90.00	359.50	11,004.0	5,380.0	-75.0	0.00	0.00	0.00	0.00	PBHL(Mars 10 State #5)



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 Wellbore: OH
 Design: Plan #3

Local Co-ordinate Reference: Well #505H
 TVD Reference: KB = 25' @ 3619.0usft
 MD Reference: KB = 25' @ 3619.0usft
 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
4,584.8	0.85	342.29	4,584.8	0.6	-0.2	0.6	1.00	1.00	0.00
4,600.0	0.85	342.29	4,600.0	0.8	-0.3	0.8	0.00	0.00	0.00
4,700.0	0.85	342.29	4,700.0	2.2	-0.7	2.2	0.00	0.00	0.00
4,800.0	0.85	342.29	4,800.0	3.6	-1.2	3.6	0.00	0.00	0.00
4,900.0	0.85	342.29	4,900.0	5.0	-1.6	5.1	0.00	0.00	0.00
5,000.0	0.85	342.29	5,000.0	6.5	-2.1	6.5	0.00	0.00	0.00
5,100.0	0.85	342.29	5,099.9	7.9	-2.5	7.9	0.00	0.00	0.00
5,200.0	0.85	342.29	5,199.9	9.3	-3.0	9.3	0.00	0.00	0.00



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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	0.85	342.29	5,299.9	10.7	-3.4	10.7	0.00	0.00	0.00
5,400.0	0.85	342.29	5,399.9	12.1	-3.9	12.1	0.00	0.00	0.00
5,500.0	0.85	342.29	5,499.9	13.5	-4.3	13.6	0.00	0.00	0.00
5,600.0	0.85	342.29	5,599.9	14.9	-4.8	15.0	0.00	0.00	0.00
5,700.0	0.85	342.29	5,699.9	16.3	-5.2	16.4	0.00	0.00	0.00
5,800.0	0.85	342.29	5,799.9	17.7	-5.7	17.8	0.00	0.00	0.00
5,900.0	0.85	342.29	5,899.9	19.1	-6.1	19.2	0.00	0.00	0.00
6,000.0	0.85	342.29	5,999.8	20.5	-6.6	20.6	0.00	0.00	0.00
6,100.0	0.85	342.29	6,099.8	22.0	-7.0	22.1	0.00	0.00	0.00
6,200.0	0.85	342.29	6,199.8	23.4	-7.5	23.5	0.00	0.00	0.00
6,300.0	0.85	342.29	6,299.8	24.8	-7.9	24.9	0.00	0.00	0.00
6,400.0	0.85	342.29	6,399.8	26.2	-8.4	26.3	0.00	0.00	0.00
6,500.0	0.85	342.29	6,499.8	27.6	-8.8	27.7	0.00	0.00	0.00
6,600.0	0.85	342.29	6,599.8	29.0	-9.3	29.1	0.00	0.00	0.00
6,700.0	0.85	342.29	6,699.8	30.4	-9.7	30.6	0.00	0.00	0.00
6,800.0	0.85	342.29	6,799.8	31.8	-10.2	32.0	0.00	0.00	0.00
6,900.0	0.85	342.29	6,899.7	33.2	-10.6	33.4	0.00	0.00	0.00
7,000.0	0.85	342.29	6,999.7	34.6	-11.1	34.8	0.00	0.00	0.00
7,100.0	0.85	342.29	7,099.7	36.1	-11.5	36.2	0.00	0.00	0.00
7,200.0	0.85	342.29	7,199.7	37.5	-12.0	37.6	0.00	0.00	0.00
7,300.0	0.85	342.29	7,299.7	38.9	-12.4	39.0	0.00	0.00	0.00
7,400.0	0.85	342.29	7,399.7	40.3	-12.9	40.5	0.00	0.00	0.00
7,500.0	0.85	342.29	7,499.7	41.7	-13.3	41.9	0.00	0.00	0.00
7,600.0	0.85	342.29	7,599.7	43.1	-13.8	43.3	0.00	0.00	0.00
7,700.0	0.85	342.29	7,699.7	44.5	-14.2	44.7	0.00	0.00	0.00
7,800.0	0.85	342.29	7,799.6	45.9	-14.7	46.1	0.00	0.00	0.00
7,900.0	0.85	342.29	7,899.6	47.3	-15.1	47.5	0.00	0.00	0.00
8,000.0	0.85	342.29	7,999.6	48.7	-15.6	49.0	0.00	0.00	0.00
8,100.0	0.85	342.29	8,099.6	50.2	-16.0	50.4	0.00	0.00	0.00
8,200.0	0.85	342.29	8,199.6	51.6	-16.5	51.8	0.00	0.00	0.00
8,300.0	0.85	342.29	8,299.6	53.0	-16.9	53.2	0.00	0.00	0.00
8,400.0	0.85	342.29	8,399.6	54.4	-17.4	54.6	0.00	0.00	0.00
8,500.0	0.85	342.29	8,499.6	55.8	-17.8	56.0	0.00	0.00	0.00
8,600.0	0.85	342.29	8,599.6	57.2	-18.3	57.5	0.00	0.00	0.00
8,700.0	0.85	342.29	8,699.5	58.6	-18.7	58.9	0.00	0.00	0.00
8,800.0	0.85	342.29	8,799.5	60.0	-19.2	60.3	0.00	0.00	0.00
8,900.0	0.85	342.29	8,899.5	61.4	-19.6	61.7	0.00	0.00	0.00
9,000.0	0.85	342.29	8,999.5	62.8	-20.1	63.1	0.00	0.00	0.00
9,100.0	0.85	342.29	9,099.5	64.3	-20.5	64.5	0.00	0.00	0.00
9,200.0	0.85	342.29	9,199.5	65.7	-21.0	65.9	0.00	0.00	0.00
9,300.0	0.85	342.29	9,299.5	67.1	-21.4	67.4	0.00	0.00	0.00
9,400.0	0.85	342.29	9,399.5	68.5	-21.9	68.8	0.00	0.00	0.00
9,500.0	0.85	342.29	9,499.5	69.9	-22.3	70.2	0.00	0.00	0.00
9,600.0	0.85	342.29	9,599.4	71.3	-22.8	71.6	0.00	0.00	0.00
9,700.0	0.85	342.29	9,699.4	72.7	-23.2	73.0	0.00	0.00	0.00
9,800.0	0.85	342.29	9,799.4	74.1	-23.7	74.4	0.00	0.00	0.00
9,900.0	0.85	342.29	9,899.4	75.5	-24.1	75.9	0.00	0.00	0.00
10,000.0	0.85	342.29	9,999.4	76.9	-24.6	77.3	0.00	0.00	0.00
10,100.0	0.85	342.29	10,099.4	78.4	-25.0	78.7	0.00	0.00	0.00
10,200.0	0.85	342.29	10,199.4	79.8	-25.5	80.1	0.00	0.00	0.00
10,300.0	0.85	342.29	10,299.4	81.2	-25.9	81.5	0.00	0.00	0.00
10,400.0	0.85	342.29	10,399.4	82.6	-26.4	82.9	0.00	0.00	0.00
10,439.8	0.85	342.29	10,439.1	83.1	-26.8	83.5	0.00	0.00	0.00
10,450.0	1.85	351.70	10,449.4	83.4	-26.6	83.7	10.00	9.80	92.20



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: #505H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well #505H
TVD Reference: KB = 25' @ 3619.0usft
MD Reference: KB = 25' @ 3619.0usft
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)
10,500.0	6.84	357.41	10,499.2	87.1	-26.9	87.5	10.00	9.97	11.42
10,550.0	11.83	358.30	10,548.5	95.3	-27.1	95.6	10.00	10.00	1.79
10,600.0	16.83	358.67	10,596.9	107.6	-27.5	108.0	10.00	10.00	0.74
10,650.0	21.83	358.88	10,644.1	124.2	-27.8	124.5	10.00	10.00	0.41
10,700.0	26.83	359.01	10,689.7	144.8	-28.2	145.1	10.00	10.00	0.26
10,750.0	31.83	359.10	10,733.2	169.2	-28.6	169.6	10.00	10.00	0.18
10,800.0	36.83	359.17	10,774.5	197.4	-29.0	197.8	10.00	10.00	0.14
10,850.0	41.83	359.22	10,813.2	229.1	-29.5	229.5	10.00	10.00	0.11
10,900.0	46.83	359.27	10,848.9	264.0	-29.9	264.4	10.00	10.00	0.09
10,950.0	51.83	359.31	10,881.5	301.9	-30.4	302.3	10.00	10.00	0.08
11,000.0	56.83	359.34	10,910.6	342.5	-30.9	342.9	10.00	10.00	0.07
11,050.0	61.83	359.37	10,936.1	385.5	-31.4	385.9	10.00	10.00	0.06
11,100.0	66.83	359.40	10,957.8	430.6	-31.8	431.0	10.00	10.00	0.05
11,150.0	71.83	359.42	10,975.4	477.3	-32.3	477.8	10.00	10.00	0.05
11,200.0	76.83	359.44	10,988.9	525.5	-32.8	525.9	10.00	10.00	0.05
11,250.0	81.83	359.47	10,998.2	574.6	-33.3	575.0	10.00	10.00	0.05
11,300.0	86.83	359.49	11,003.1	624.3	-33.7	624.7	10.00	10.00	0.04
11,331.7	90.00	359.50	11,004.0	656.0	-34.0	656.4	10.00	10.00	0.04
FTP(Mars 10 State #505H)									
11,400.0	90.00	359.50	11,004.0	724.3	-34.6	724.7	0.00	0.00	0.00
11,500.0	90.00	359.50	11,004.0	824.3	-35.5	824.7	0.00	0.00	0.00
11,600.0	90.00	359.50	11,004.0	924.3	-36.3	924.7	0.00	0.00	0.00
11,700.0	90.00	359.50	11,004.0	1,024.3	-37.2	1,024.7	0.00	0.00	0.00
11,800.0	90.00	359.50	11,004.0	1,124.3	-38.1	1,124.7	0.00	0.00	0.00
11,900.0	90.00	359.50	11,004.0	1,224.3	-38.9	1,224.7	0.00	0.00	0.00
12,000.0	90.00	359.50	11,004.0	1,324.3	-39.8	1,324.7	0.00	0.00	0.00
12,100.0	90.00	359.50	11,004.0	1,424.3	-40.7	1,424.7	0.00	0.00	0.00
12,200.0	90.00	359.50	11,004.0	1,524.3	-41.5	1,524.7	0.00	0.00	0.00
12,300.0	90.00	359.50	11,004.0	1,624.3	-42.4	1,624.7	0.00	0.00	0.00
12,400.0	90.00	359.50	11,004.0	1,724.3	-43.3	1,724.7	0.00	0.00	0.00
12,500.0	90.00	359.50	11,004.0	1,824.3	-44.1	1,824.7	0.00	0.00	0.00
12,600.0	90.00	359.50	11,004.0	1,924.3	-45.0	1,924.7	0.00	0.00	0.00
12,700.0	90.00	359.50	11,004.0	2,024.3	-45.9	2,024.7	0.00	0.00	0.00
12,800.0	90.00	359.50	11,004.0	2,124.3	-46.7	2,124.7	0.00	0.00	0.00
12,900.0	90.00	359.50	11,004.0	2,224.2	-47.6	2,224.7	0.00	0.00	0.00
13,000.0	90.00	359.50	11,004.0	2,324.2	-48.5	2,324.7	0.00	0.00	0.00
13,100.0	90.00	359.50	11,004.0	2,424.2	-49.3	2,424.7	0.00	0.00	0.00
13,200.0	90.00	359.50	11,004.0	2,524.2	-50.2	2,524.7	0.00	0.00	0.00
13,300.0	90.00	359.50	11,004.0	2,624.2	-51.1	2,624.7	0.00	0.00	0.00
13,400.0	90.00	359.50	11,004.0	2,724.2	-52.0	2,724.7	0.00	0.00	0.00
13,500.0	90.00	359.50	11,004.0	2,824.2	-52.8	2,824.7	0.00	0.00	0.00
13,600.0	90.00	359.50	11,004.0	2,924.2	-53.7	2,924.7	0.00	0.00	0.00
13,700.0	90.00	359.50	11,004.0	3,024.2	-54.6	3,024.7	0.00	0.00	0.00
13,800.0	90.00	359.50	11,004.0	3,124.2	-55.4	3,124.7	0.00	0.00	0.00
13,900.0	90.00	359.50	11,004.0	3,224.2	-56.3	3,224.7	0.00	0.00	0.00
14,000.0	90.00	359.50	11,004.0	3,324.2	-57.2	3,324.7	0.00	0.00	0.00
14,100.0	90.00	359.50	11,004.0	3,424.2	-58.0	3,424.7	0.00	0.00	0.00
14,200.0	90.00	359.50	11,004.0	3,524.2	-58.9	3,524.7	0.00	0.00	0.00
14,300.0	90.00	359.50	11,004.0	3,624.2	-59.8	3,624.7	0.00	0.00	0.00
14,400.0	90.00	359.50	11,004.0	3,724.2	-60.6	3,724.7	0.00	0.00	0.00
14,500.0	90.00	359.50	11,004.0	3,824.2	-61.5	3,824.7	0.00	0.00	0.00
14,600.0	90.00	359.50	11,004.0	3,924.2	-62.4	3,924.7	0.00	0.00	0.00
14,700.0	90.00	359.50	11,004.0	4,024.2	-63.2	4,024.7	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: #505H
Wellbore: OH
Design: Plan #3

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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)
14,800.0	90.00	359.50	11,004.0	4,124.2	-64.1	4,124.7	0.00	0.00	0.00
14,900.0	90.00	359.50	11,004.0	4,224.2	-65.0	4,224.7	0.00	0.00	0.00
15,000.0	90.00	359.50	11,004.0	4,324.2	-65.8	4,324.7	0.00	0.00	0.00
15,100.0	90.00	359.50	11,004.0	4,424.2	-66.7	4,424.7	0.00	0.00	0.00
15,200.0	90.00	359.50	11,004.0	4,524.2	-67.6	4,524.7	0.00	0.00	0.00
15,300.0	90.00	359.50	11,004.0	4,624.2	-68.4	4,624.7	0.00	0.00	0.00
15,400.0	90.00	359.50	11,004.0	4,724.2	-69.3	4,724.7	0.00	0.00	0.00
15,500.0	90.00	359.50	11,004.0	4,824.2	-70.2	4,824.7	0.00	0.00	0.00
15,600.0	90.00	359.50	11,004.0	4,924.1	-71.0	4,924.7	0.00	0.00	0.00
15,700.0	90.00	359.50	11,004.0	5,024.1	-71.9	5,024.7	0.00	0.00	0.00
15,800.0	90.00	359.50	11,004.0	5,124.1	-72.8	5,124.7	0.00	0.00	0.00
15,900.0	90.00	359.50	11,004.0	5,224.1	-73.6	5,224.7	0.00	0.00	0.00
16,000.0	90.00	359.50	11,004.0	5,324.1	-74.5	5,324.7	0.00	0.00	0.00
16,055.9	90.00	359.50	11,004.0	5,380.0	-75.0	5,380.5	0.00	0.00	0.00

PBHL(Mars 10 State #505H)

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
PBHL(Mars 10 State #505H) - plan hits target center - Point	0.00	0.00	11,004.0	5,380.0	-75.0	456,673.00	739,507.00	32° 15' 11.288 N	103° 33' 30.928 W
FTP(Mars 10 State #505H) - plan hits target center - Point	0.00	0.00	11,004.0	656.0	-34.0	451,949.00	739,548.00	32° 14' 24.539 N	103° 33' 30.847 W