

Revised Permit Information 4/17/15:

Well Name: Mars 10 State Com No. 507H

Location:

SHL: 326' FNL & 2138' FWL, Section 10, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 1728' FWL, Section 3, T-24-S, R-33-E, Lea Co., N.M.

HOBBSOCD

APR 20 2015

RECEIVED

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'-16,208'	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
16,208'	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' - 10,599'	Cut Brine	8.4-9.0	28-34	N/c
10,599' - 16,208' Lateral	Cut Brine	9.0-9.5	40-42	8-10

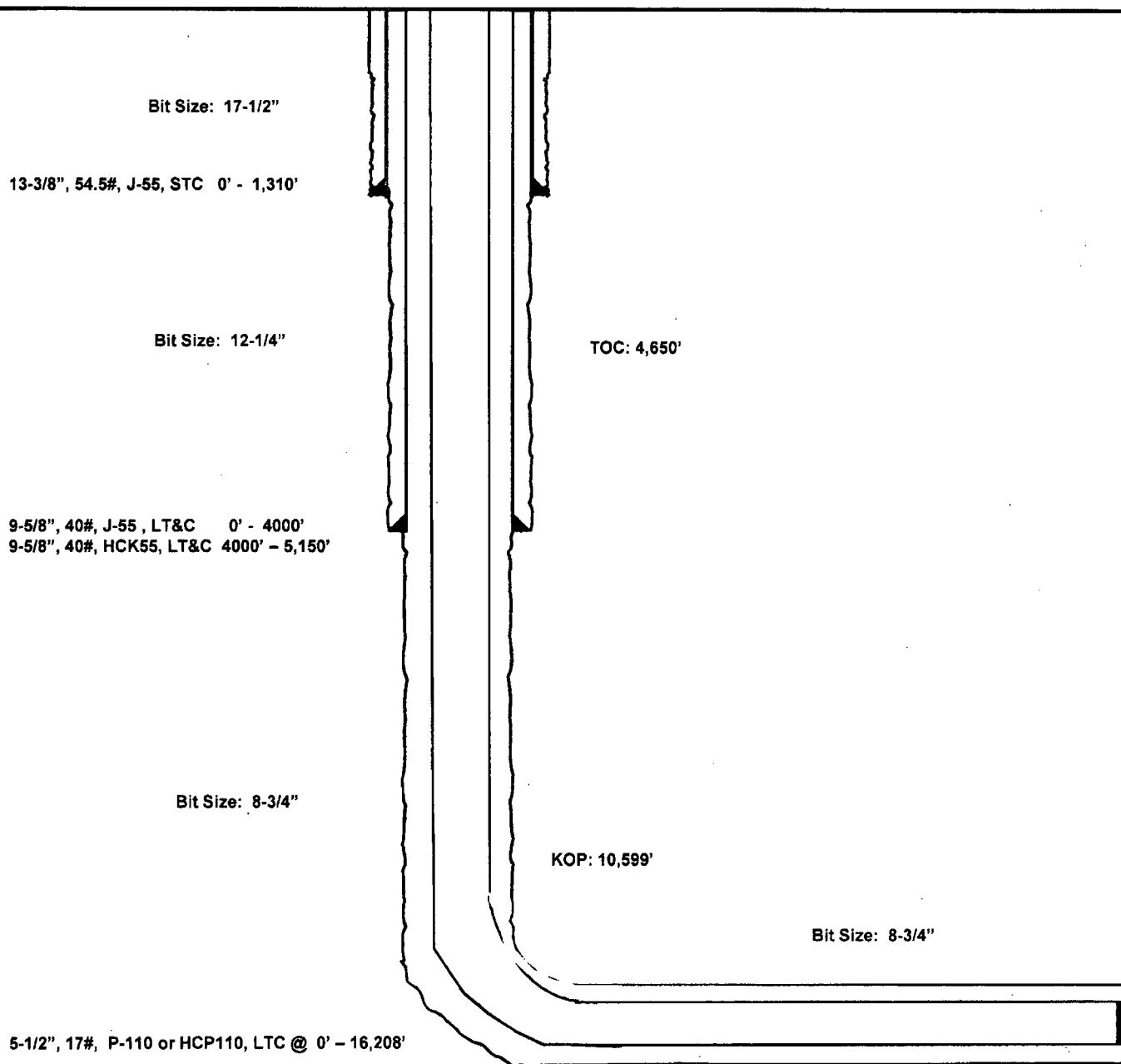
APR 21 2015

**Mars 10 State Com #507H
Lea County, New Mexico**

**326' FNL
2138' FWL
Section 10
T-24-S, R-33-E**

**Proposed Wellbore
Revised 4/17/15
API: 30-025-42483**

**KB: 3,622'
GL: 3,597'**



Lateral: 16,208' MD, 11,170' TVD

**BH Location: 230' FNL & 1728' FWL
Section 3
T-24-S, R-33-E**



Lea County, NM (NAD 27 NME)

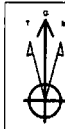
Mars 10 State Com #507H

Nomac 55

Plan #2

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: 6.83°

Magnetic Field
Strength: 48322.3nT
Dip Angle: 60.11°
Date: 10/21/2014
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.83°
To convert a Magnetic Direction to a True Direction, Add 7.24° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAIL: #507H

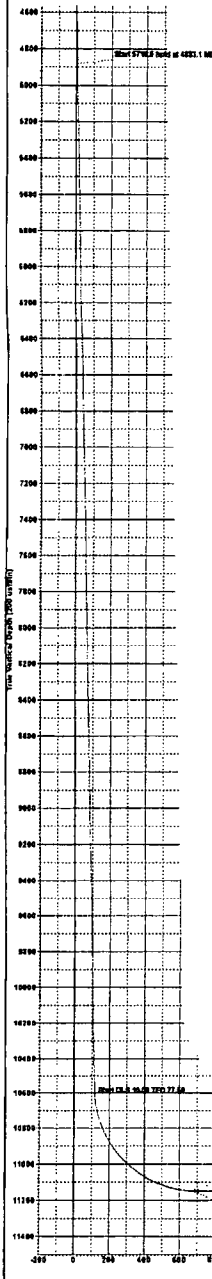
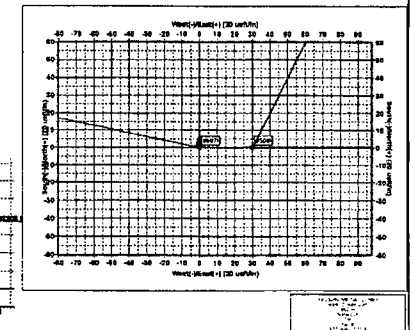
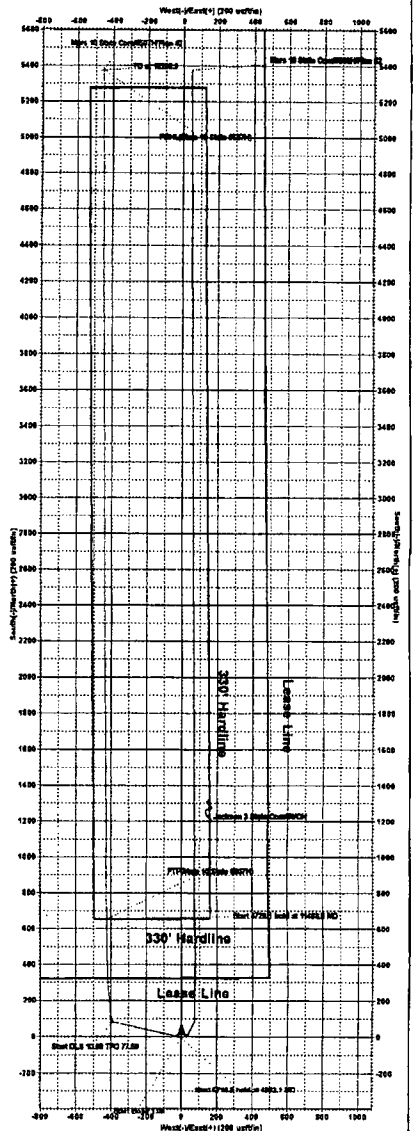
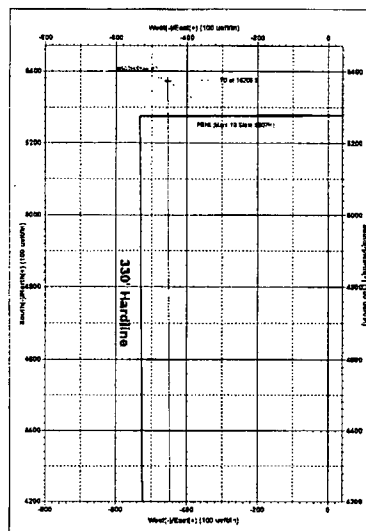
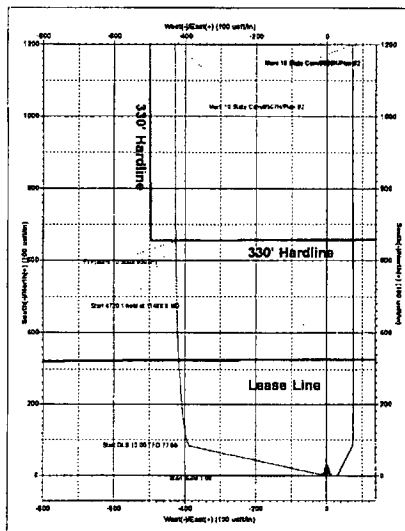
Ground Level: 3597.0
KB = 21 @ 2018 Out (Nomac 55)
Northing: 451291.00 Easting: 738762.0002 Lat: 10° 33' 40.752 W

SECTION DETAILS

Sec	MD	Inc	Alt	TVD	+N/S	+E/W	Clog	TFace	VFace	Target	Annotation
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	4853.1	3.93	392.11	4893.8	2.7	-12.6	1.00	392.11	3.7		
4	10599.8	3.83	282.11	10588.5	82.8	-385.9	0.00	0.00	116.0		
5	11455.8	89.76	509.66	11150.0	553.0	-426.0	10.00	77.58	296.8		FTPL(Mars 10 State #507H)
6	18202.8	69.76	359.66	11170.4	6272.0	-464.0	0.00	0.00	6392.1		PEHL(Mars 10 State #507H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting	Shape
FTPL(Mars 10 State #507H)	11150.0	553.0	-426.0	481944.00	738278.00	Point
PEHL(Mars 10 State #507H)	11170.4	6272.0	-464.0	486964.00	738249.00	Point





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Mars 10 State Com

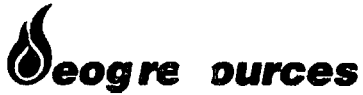
#507H

OH

Plan: Plan #2

Standard Planning Report

17 April, 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 Com
Well: #507H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #507H
TVD Reference: KB = 21 @ 3618.0usft (Nomac 55)
MD Reference: KB = 21 @ 3618.0usft (Nomac 55)
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 Com			
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	#507H			
Well Position	+N/-S	-128.0 usft	Northing:	451,291.00 usft
	+E/-W	-446.0 usft	Easting:	738,702.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,597.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/21/2014	7.24	60.11	48,222

Design	Plan #2			
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	355.17

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	
4,883.1	3.83	282.11	4,882.8	2.7	-12.5	1.00	1.00	0.00	282.11	
10,599.6	3.83	282.11	10,586.5	82.8	-385.9	0.00	0.00	0.00	0.00	
11,488.8	89.75	359.66	11,150.0	653.0	-426.0	10.00	9.66	8.72	77.59	FTP(Mars 10 State #5)
16,208.9	89.75	359.66	11,170.6	5,373.0	-454.0	0.00	0.00	0.00	0.00	PBHL(Mars 10 State #5)



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 Com
Well: #507H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #507H
TVD Reference: KB = 21 @ 3618.0usft (Nomac 55)
MD Reference: KB = 21 @ 3618.0usft (Nomac 55)
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	1.00	282.11	4,600.0	0.2	-0.9	0.3	1.00	1.00	0.00
4,700.0	2.00	282.11	4,700.0	0.7	-3.4	1.0	1.00	1.00	0.00
4,800.0	3.00	282.11	4,799.9	1.6	-7.7	2.3	1.00	1.00	0.00
4,883.1	3.83	282.11	4,882.8	2.7	-12.5	3.7	1.00	1.00	0.00
4,900.0	3.83	282.11	4,899.7	2.9	-13.6	4.1	0.00	0.00	0.00
5,000.0	3.83	282.11	4,999.5	4.3	-20.2	6.0	0.00	0.00	0.00
5,100.0	3.83	282.11	5,099.2	5.7	-26.7	8.0	0.00	0.00	0.00
5,200.0	3.83	282.11	5,199.0	7.1	-33.2	9.9	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 Com
Well: #507H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #507H
TVD Reference: KB = 21 @ 3618.0usft (Nomac 55)
MD Reference: KB = 21 @ 3618.0usft (Nomac 55)
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	3.83	282.11	5,298.8	8.5	-39.8	11.8	0.00	0.00	0.00
5,400.0	3.83	282.11	5,398.6	9.9	-46.3	13.8	0.00	0.00	0.00
5,500.0	3.83	282.11	5,498.3	11.3	-52.8	15.7	0.00	0.00	0.00
5,600.0	3.83	282.11	5,598.1	12.7	-59.3	17.7	0.00	0.00	0.00
5,700.0	3.83	282.11	5,697.9	14.1	-65.9	19.6	0.00	0.00	0.00
5,800.0	3.83	282.11	5,797.7	15.5	-72.4	21.6	0.00	0.00	0.00
5,900.0	3.83	282.11	5,897.4	16.9	-78.9	23.5	0.00	0.00	0.00
6,000.0	3.83	282.11	5,997.2	18.3	-85.5	25.5	0.00	0.00	0.00
6,100.0	3.83	282.11	6,097.0	19.7	-92.0	27.4	0.00	0.00	0.00
6,200.0	3.83	282.11	6,196.8	21.1	-98.5	29.4	0.00	0.00	0.00
6,300.0	3.83	282.11	6,296.5	22.5	-105.1	31.3	0.00	0.00	0.00
6,400.0	3.83	282.11	6,396.3	24.0	-111.6	33.3	0.00	0.00	0.00
6,500.0	3.83	282.11	6,496.1	25.4	-118.1	35.2	0.00	0.00	0.00
6,600.0	3.83	282.11	6,595.9	26.8	-124.7	37.2	0.00	0.00	0.00
6,700.0	3.83	282.11	6,695.7	28.2	-131.2	39.1	0.00	0.00	0.00
6,800.0	3.83	282.11	6,795.4	29.6	-137.7	41.1	0.00	0.00	0.00
6,900.0	3.83	282.11	6,895.2	31.0	-144.3	43.0	0.00	0.00	0.00
7,000.0	3.83	282.11	6,995.0	32.4	-150.8	44.9	0.00	0.00	0.00
7,100.0	3.83	282.11	7,094.8	33.8	-157.3	46.9	0.00	0.00	0.00
7,200.0	3.83	282.11	7,194.5	35.2	-163.9	48.8	0.00	0.00	0.00
7,300.0	3.83	282.11	7,294.3	36.6	-170.4	50.8	0.00	0.00	0.00
7,400.0	3.83	282.11	7,394.1	38.0	-176.9	52.7	0.00	0.00	0.00
7,500.0	3.83	282.11	7,493.9	39.4	-183.5	54.7	0.00	0.00	0.00
7,600.0	3.83	282.11	7,593.6	40.8	-190.0	56.6	0.00	0.00	0.00
7,700.0	3.83	282.11	7,693.4	42.2	-196.5	58.6	0.00	0.00	0.00
7,800.0	3.83	282.11	7,793.2	43.6	-203.1	60.5	0.00	0.00	0.00
7,900.0	3.83	282.11	7,893.0	45.0	-209.6	62.5	0.00	0.00	0.00
8,000.0	3.83	282.11	7,992.8	46.4	-216.1	64.4	0.00	0.00	0.00
8,100.0	3.83	282.11	8,092.5	47.8	-222.7	66.4	0.00	0.00	0.00
8,200.0	3.83	282.11	8,192.3	49.2	-229.2	68.3	0.00	0.00	0.00
8,300.0	3.83	282.11	8,292.1	50.6	-235.7	70.3	0.00	0.00	0.00
8,400.0	3.83	282.11	8,391.9	52.0	-242.3	72.2	0.00	0.00	0.00
8,500.0	3.83	282.11	8,491.6	53.4	-248.8	74.1	0.00	0.00	0.00
8,600.0	3.83	282.11	8,591.4	54.8	-255.3	76.1	0.00	0.00	0.00
8,700.0	3.83	282.11	8,691.2	56.2	-261.8	78.0	0.00	0.00	0.00
8,800.0	3.83	282.11	8,791.0	57.6	-268.4	80.0	0.00	0.00	0.00
8,900.0	3.83	282.11	8,890.7	59.0	-274.9	81.9	0.00	0.00	0.00
9,000.0	3.83	282.11	8,990.5	60.4	-281.4	83.9	0.00	0.00	0.00
9,100.0	3.83	282.11	9,090.3	61.8	-288.0	85.8	0.00	0.00	0.00
9,200.0	3.83	282.11	9,190.1	63.2	-294.5	87.8	0.00	0.00	0.00
9,300.0	3.83	282.11	9,289.8	64.6	-301.0	89.7	0.00	0.00	0.00
9,400.0	3.83	282.11	9,389.6	66.0	-307.6	91.7	0.00	0.00	0.00
9,500.0	3.83	282.11	9,489.4	67.4	-314.1	93.6	0.00	0.00	0.00
9,600.0	3.83	282.11	9,589.2	68.8	-320.6	95.6	0.00	0.00	0.00
9,700.0	3.83	282.11	9,689.0	70.2	-327.2	97.5	0.00	0.00	0.00
9,800.0	3.83	282.11	9,788.7	71.6	-333.7	99.5	0.00	0.00	0.00
9,900.0	3.83	282.11	9,888.5	73.0	-340.2	101.4	0.00	0.00	0.00
10,000.0	3.83	282.11	9,988.3	74.4	-346.8	103.4	0.00	0.00	0.00
10,100.0	3.83	282.11	10,088.1	75.8	-353.3	105.3	0.00	0.00	0.00
10,200.0	3.83	282.11	10,187.8	77.2	-359.8	107.2	0.00	0.00	0.00
10,300.0	3.83	282.11	10,287.6	78.6	-366.4	109.2	0.00	0.00	0.00
10,400.0	3.83	282.11	10,387.4	80.0	-372.9	111.1	0.00	0.00	0.00
10,500.0	3.83	282.11	10,487.2	81.4	-379.4	113.1	0.00	0.00	0.00
10,599.6	3.83	282.11	10,586.5	82.8	-385.9	115.0	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 Com
Well: #507H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #507H
TVD Reference: KB = 21 @ 3618.0usft (Nomac 55)
MD Reference: KB = 21 @ 3618.0usft (Nomac 55)
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)
10,650.0	6.96	327.27	10,636.7	85.8	-389.2	118.2	10.00	6.20	89.52
10,700.0	11.49	340.91	10,686.1	93.0	-392.5	125.7	10.00	9.06	27.27
10,750.0	16.29	346.75	10,734.6	104.5	-395.7	137.5	10.00	9.61	11.68
10,800.0	21.19	349.96	10,781.9	120.3	-398.9	153.4	10.00	9.79	6.43
10,850.0	26.12	352.01	10,827.7	140.1	-402.0	173.4	10.00	9.87	4.10
10,900.0	31.07	353.45	10,871.6	163.8	-405.0	197.3	10.00	9.91	2.87
10,950.0	36.04	354.52	10,913.3	191.3	-407.9	225.0	10.00	9.93	2.15
11,000.0	41.01	355.36	10,952.4	222.3	-410.6	256.1	10.00	9.94	1.69
11,050.0	45.99	356.05	10,988.6	256.6	-413.2	290.5	10.00	9.95	1.38
11,100.0	50.97	356.64	11,021.8	294.0	-415.6	327.9	10.00	9.96	1.17
11,150.0	55.95	357.14	11,051.5	334.1	-417.8	368.1	10.00	9.97	1.01
11,200.0	60.94	357.59	11,077.7	376.6	-419.7	410.6	10.00	9.97	0.90
11,250.0	65.92	358.00	11,100.0	421.3	-421.4	455.3	10.00	9.97	0.82
11,300.0	70.91	358.38	11,118.4	467.7	-422.9	501.7	10.00	9.98	0.76
11,350.0	75.90	358.74	11,132.7	515.6	-424.1	549.5	10.00	9.98	0.71
11,400.0	80.89	359.08	11,142.8	564.6	-425.0	598.4	10.00	9.98	0.68
11,450.0	85.88	359.41	11,148.5	614.2	-425.7	647.9	10.00	9.98	0.66
11,488.8	89.75	359.66	11,150.0	653.0	-426.0	686.5	10.00	9.98	0.65
FTP(Mars 10 State #507H)									
11,500.0	89.75	359.66	11,150.0	664.2	-426.1	697.7	0.00	0.00	0.00
11,600.0	89.75	359.66	11,150.5	764.2	-426.7	797.4	0.00	0.00	0.00
11,700.0	89.75	359.66	11,150.9	864.2	-427.3	897.1	0.00	0.00	0.00
11,800.0	89.75	359.66	11,151.4	964.2	-427.8	996.8	0.00	0.00	0.00
11,900.0	89.75	359.66	11,151.8	1,064.2	-428.4	1,096.5	0.00	0.00	0.00
12,000.0	89.75	359.66	11,152.2	1,164.2	-429.0	1,196.2	0.00	0.00	0.00
12,100.0	89.75	359.66	11,152.7	1,264.2	-429.6	1,295.9	0.00	0.00	0.00
12,200.0	89.75	359.66	11,153.1	1,364.2	-430.2	1,395.6	0.00	0.00	0.00
12,300.0	89.75	359.66	11,153.5	1,464.2	-430.8	1,495.2	0.00	0.00	0.00
12,400.0	89.75	359.66	11,154.0	1,564.2	-431.4	1,594.9	0.00	0.00	0.00
12,500.0	89.75	359.66	11,154.4	1,664.2	-432.0	1,694.6	0.00	0.00	0.00
12,600.0	89.75	359.66	11,154.8	1,764.2	-432.6	1,794.3	0.00	0.00	0.00
12,700.0	89.75	359.66	11,155.3	1,864.2	-433.2	1,894.0	0.00	0.00	0.00
12,800.0	89.75	359.66	11,155.7	1,964.2	-433.8	1,993.7	0.00	0.00	0.00
12,900.0	89.75	359.66	11,156.2	2,064.2	-434.4	2,093.4	0.00	0.00	0.00
13,000.0	89.75	359.66	11,156.6	2,164.2	-435.0	2,193.1	0.00	0.00	0.00
13,100.0	89.75	359.66	11,157.0	2,264.2	-435.6	2,292.8	0.00	0.00	0.00
13,200.0	89.75	359.66	11,157.5	2,364.2	-436.2	2,392.5	0.00	0.00	0.00
13,300.0	89.75	359.66	11,157.9	2,464.1	-436.7	2,492.2	0.00	0.00	0.00
13,400.0	89.75	359.66	11,158.3	2,564.1	-437.3	2,591.9	0.00	0.00	0.00
13,500.0	89.75	359.66	11,158.8	2,664.1	-437.9	2,691.6	0.00	0.00	0.00
13,600.0	89.75	359.66	11,159.2	2,764.1	-438.5	2,791.2	0.00	0.00	0.00
13,700.0	89.75	359.66	11,159.7	2,864.1	-439.1	2,890.9	0.00	0.00	0.00
13,800.0	89.75	359.66	11,160.1	2,964.1	-439.7	2,990.6	0.00	0.00	0.00
13,900.0	89.75	359.66	11,160.5	3,064.1	-440.3	3,090.3	0.00	0.00	0.00
14,000.0	89.75	359.66	11,161.0	3,164.1	-440.9	3,190.0	0.00	0.00	0.00
14,100.0	89.75	359.66	11,161.4	3,264.1	-441.5	3,289.7	0.00	0.00	0.00
14,200.0	89.75	359.66	11,161.8	3,364.1	-442.1	3,389.4	0.00	0.00	0.00
14,300.0	89.75	359.66	11,162.3	3,464.1	-442.7	3,489.1	0.00	0.00	0.00
14,400.0	89.75	359.66	11,162.7	3,564.1	-443.3	3,588.8	0.00	0.00	0.00
14,500.0	89.75	359.66	11,163.1	3,664.1	-443.9	3,688.5	0.00	0.00	0.00
14,600.0	89.75	359.66	11,163.6	3,764.1	-444.5	3,788.2	0.00	0.00	0.00
14,700.0	89.75	359.66	11,164.0	3,864.1	-445.0	3,887.9	0.00	0.00	0.00
14,800.0	89.75	359.66	11,164.5	3,964.1	-445.6	3,987.6	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 Com
Well: #507H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #507H
TVD Reference: KB = 21 @ 3618.0usft (Nomac 55)
MD Reference: KB = 21 @ 3618.0usft (Nomac 55)
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)
14,900.0	89.75	359.66	11,164.9	4,064.1	-446.2	4,087.2	0.00	0.00	0.00
15,000.0	89.75	359.66	11,165.3	4,164.1	-446.8	4,186.9	0.00	0.00	0.00
15,100.0	89.75	359.66	11,165.8	4,264.1	-447.4	4,286.6	0.00	0.00	0.00
15,200.0	89.75	359.66	11,166.2	4,364.1	-448.0	4,386.3	0.00	0.00	0.00
15,300.0	89.75	359.66	11,166.6	4,464.1	-448.6	4,486.0	0.00	0.00	0.00
15,400.0	89.75	359.66	11,167.1	4,564.1	-449.2	4,585.7	0.00	0.00	0.00
15,500.0	89.75	359.66	11,167.5	4,664.1	-449.8	4,685.4	0.00	0.00	0.00
15,600.0	89.75	359.66	11,167.9	4,764.1	-450.4	4,785.1	0.00	0.00	0.00
15,700.0	89.75	359.66	11,168.4	4,864.1	-451.0	4,884.8	0.00	0.00	0.00
15,800.0	89.75	359.66	11,168.8	4,964.1	-451.6	4,984.5	0.00	0.00	0.00
15,900.0	89.75	359.66	11,169.3	5,064.1	-452.2	5,084.2	0.00	0.00	0.00
16,000.0	89.75	359.66	11,169.7	5,164.1	-452.8	5,183.9	0.00	0.00	0.00
16,100.0	89.75	359.66	11,170.1	5,264.1	-453.4	5,283.6	0.00	0.00	0.00
16,208.9	89.75	359.66	11,170.6	5,373.0	-454.0	5,392.1	0.00	0.00	0.00

PBHL(Mars 10 State #507H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(Mars 10 State #507	0.00	0.01	11,150.0	653.0	-426.0	451,944.00	738,276.00	32° 14' 24.580 N	103° 33' 45.657 W
- hit/miss target									
- plan hits target center									
- Point									
PBHL(Mars 10 State #51	0.00	0.00	11,170.6	5,373.0	-454.0	456,664.00	738,248.00	32° 15' 11.288 N	103° 33' 45.589 W
- plan hits target center									
- Point									