District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Sante Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

HOBBS OCD
JAN 28 2015
RECEIVED

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Sante Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-025-42385	96674	Triple X; Bone Spring, West

[4]Property Code	[5]Property Name	[6]Well Number
313581	MARS 10 STATE	#505H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3594'

[10]Surface Location

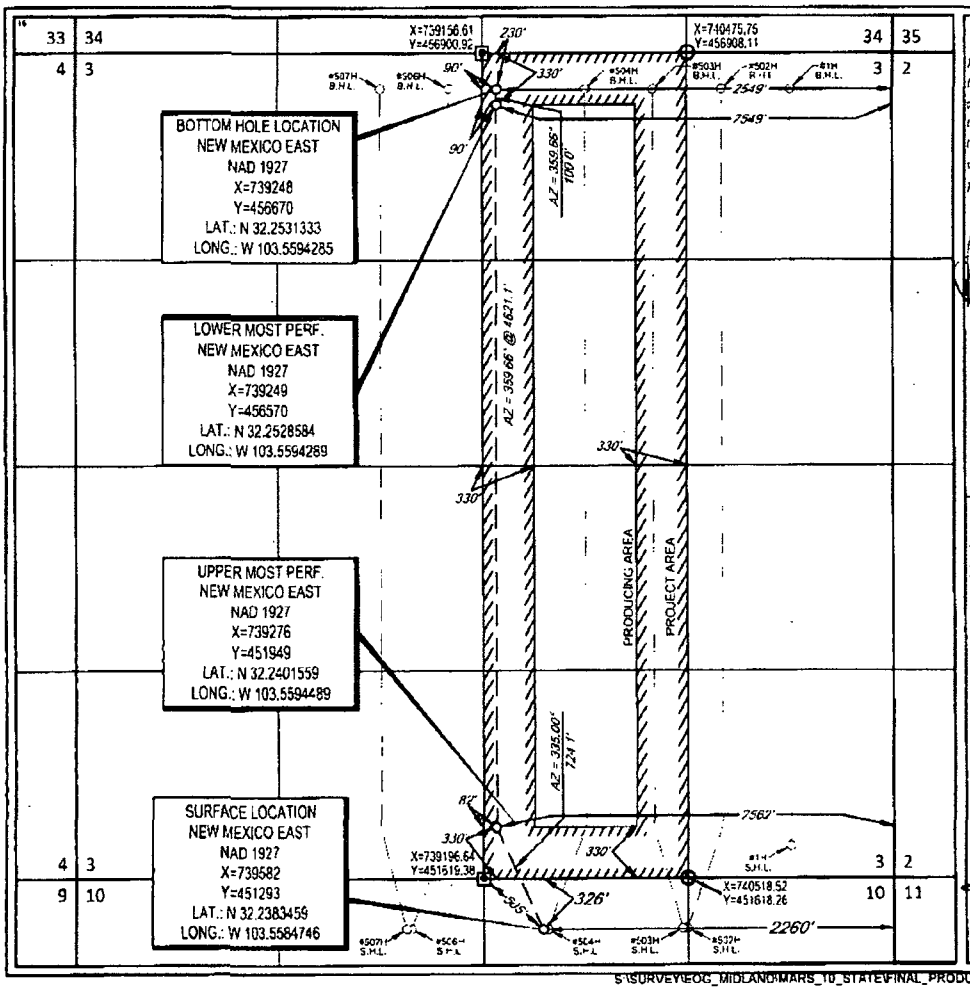
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	10	24-S	33-E	-	326	NORTH	2260'	EAST	LEA

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	3	24-S	33-E	-	230'	NORTH	2549'	EAST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
160.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Renee' Jarratt 1/27/15
Signature Date

Renee' Jarratt
Printed Name

E-mail Address

[18]SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

10/02/2014
Date of Survey

Signature and Seal of Professional Surveyor

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\MARS_10_STATE\FINAL_PRODUCTS\10_MARS10STATE_505H_REV1.DWG 1/8/2015 3:57:15 PM ccaston

JAN 29 2015

30-025-42385

Permit Information:

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 & 2549' 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'-16,203'	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
16,203'	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' – 10,593'	Cut Brine	8.4-9.0	28-34	N/c
10,593' – 16,203' Lateral	Cut Brine	9.0-9.5	40-42	8-10

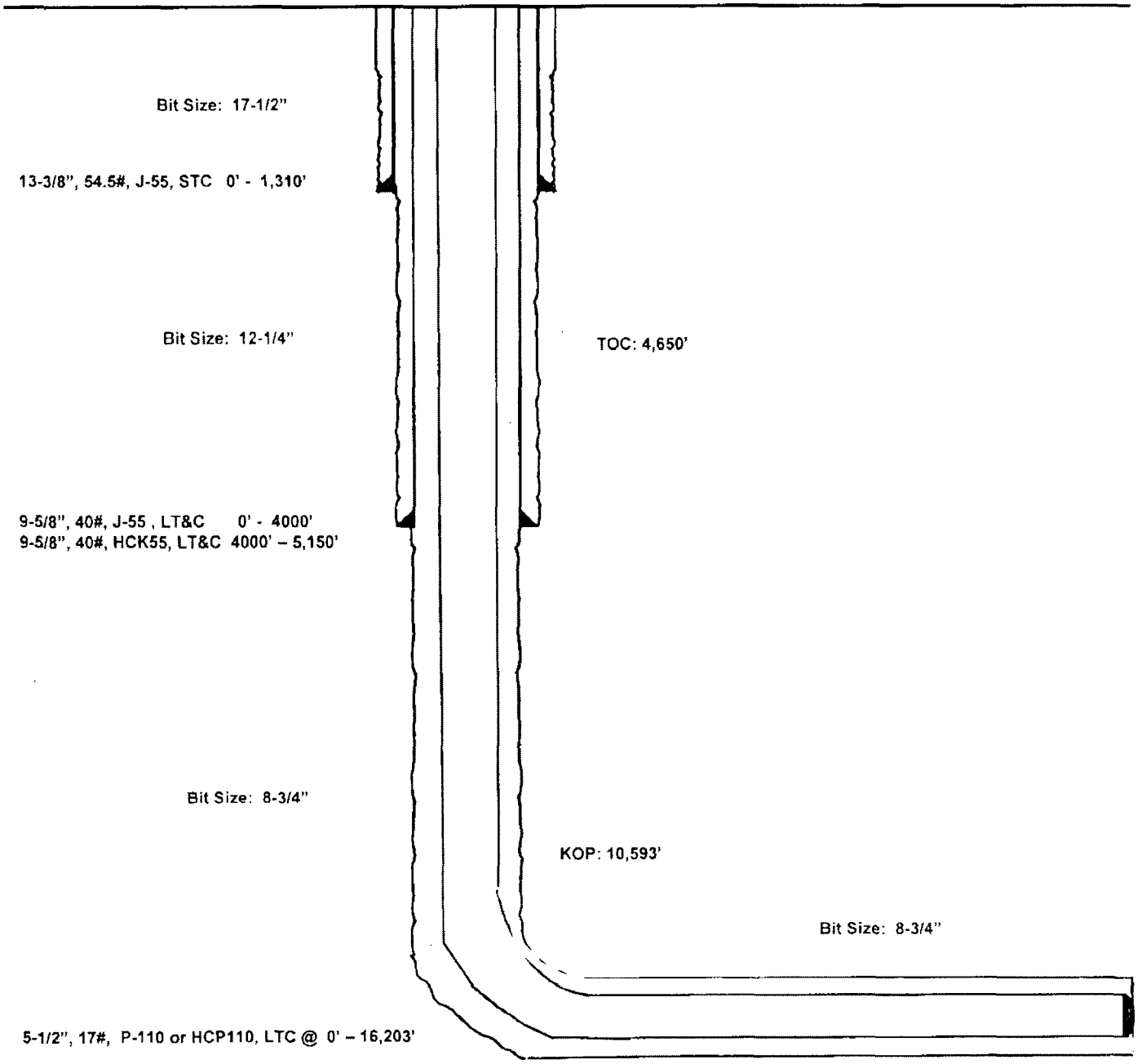
Mars 10 State #505H
Lea County, New Mexico

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

Proposed Wellbore

API: 30-025-

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



Lateral: 16,203' MD, 11,171' TVD

BH Location: 230' FNL & 2549' FEL
Section 3
T-24-S, R-33-E

eog resources

Lea County, NM (NAD 27 NME)

Mars 10 State #505H

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: 6.75°

Magnetic Field
Strength: 48289.7snT
Dip Angle: 60.12°
Date: 10/21/2016
Model: IGRF201014

To convert a Magnetic Direction to a Grid Direction, Add 6.75°
To convert a Magnetic Direction to a True Direction, Add 7.17° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: #505H

Ground Level: 3594.0
KB = 26 @ 3619.0usft

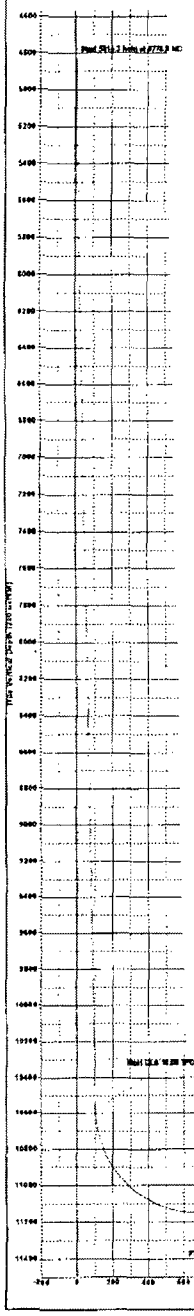
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	451293.00	739582.00	32° 16' 18.045 N	103° 33' 35.527 W	

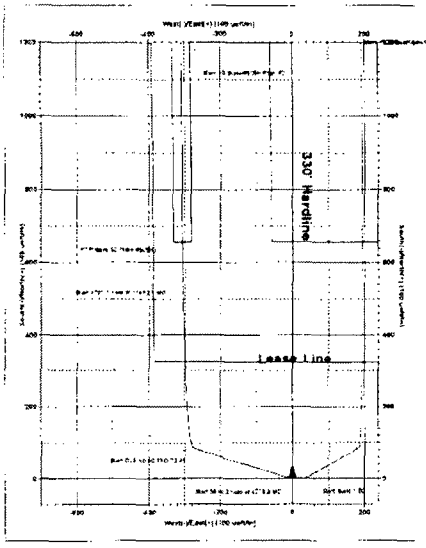
SECTION DETAILS

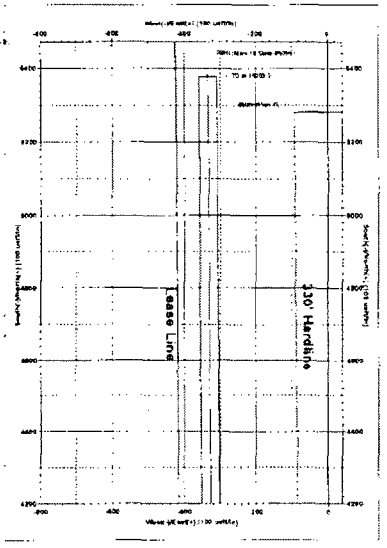
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0		
3	4778.5	2.79	267.24	4778.7	2.0	-6.6	1.00	267.24	2.4		
4	10693.1	2.79	267.24	10686.1	86.8	-278.5	0.00	0.00	102.8		
5	11482.1	89.75	358.86	11160.0	656.0	-306.0	10.00	72.46	472.7	FTP(Mars 10 State #505H)	
6	19203.2	89.75	358.86	11171.0	5377.0	-334.0	0.00	0.00	5287.4	PBHL(Mars 10 State #505H)	

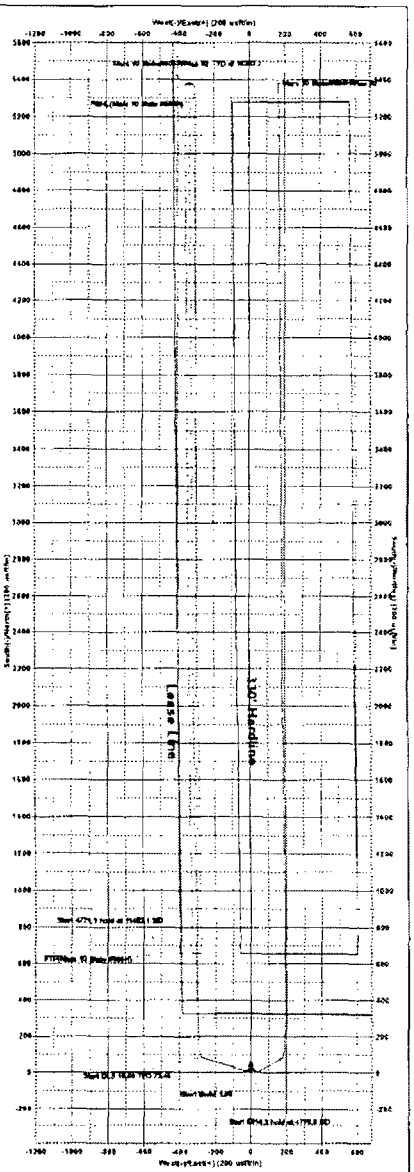
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

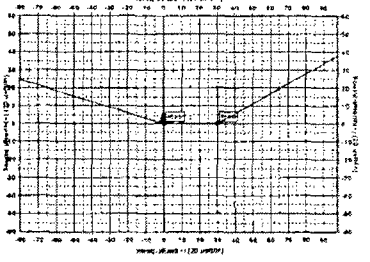
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP(Mars 10 State #505H)	11160.0	656.0	-306.0	451948.00	739276.00	Point
PBHL(Mars 10 State #505H)	11171.0	5377.0	-334.0	456670.00	739244.00	Rectangle (s-dirs: L0.0 W60.0)

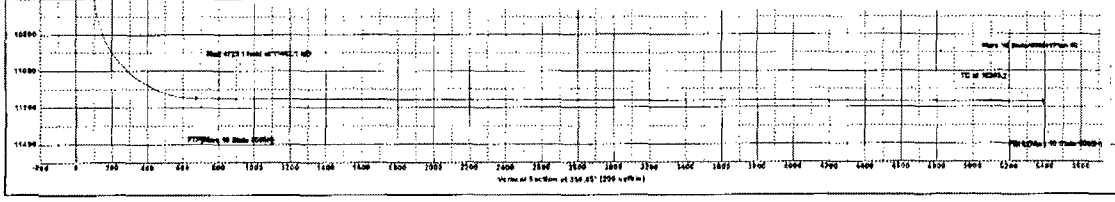












EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Mars 10 State
#505H

OH

Plan: Plan #2

Standard Survey Report

27 January, 2015

EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #505H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3619.0usft
Site:	Mars 10 State	**MD Reference:**	KB = 25' @ 3619.0usft
Well:	#505H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	EDM 5000.1 Single User Db

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**	0.0 usft	**Northing:**	451,293.00 usft	**Latitude:**	32° 14' 18.045 N
	+E/-W	0.0 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 (nT)**
	IGRF201014	10/21/2014	7.17	60.12	48,290

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	356.45	

Survey Tool Program **Date** 1/27/2015

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	16,203.1	Plan #2 (OH)	MWD	MWD - Standard

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

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #505H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3619.0usft
Site:	Mars 10 State	**MD Reference:**	KB = 25' @ 3619.0usft
Well:	#505H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	EDM 5000.1 Single User Db

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)
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	287.24	4,600.0	0.3	-0.8	0.3	1.00	1.00	0.00
4,700.0	2.00	287.24	4,700.0	1.0	-3.3	1.2	1.00	1.00	0.00
4,778.8	2.79	287.24	4,778.7	2.0	-6.5	2.4	1.00	1.00	0.00
4,800.0	2.79	287.24	4,799.9	2.3	-7.5	2.8	0.00	0.00	0.00
4,900.0	2.79	287.24	4,899.7	3.8	-12.1	4.5	0.00	0.00	0.00
5,000.0	2.79	287.24	4,999.6	5.2	-16.8	6.2	0.00	0.00	0.00
5,100.0	2.79	287.24	5,099.5	6.6	-21.4	8.0	0.00	0.00	0.00
5,200.0	2.79	287.24	5,199.4	8.1	-26.0	9.7	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #505H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3619.0usft
Site:	Mars 10 State	**MD Reference:**	KB = 25' @ 3619.0usft
Well:	#505H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	EDM 5000.1 Single User Db

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	2.79	287.24	5,299.3	9.5	-30.7	11.4	0.00	0.00	0.00
5,400.0	2.79	287.24	5,399.2	11.0	-35.3	13.1	0.00	0.00	0.00
5,500.0	2.79	287.24	5,499.0	12.4	-40.0	14.9	0.00	0.00	0.00
5,600.0	2.79	287.24	5,598.9	13.8	-44.6	16.6	0.00	0.00	0.00
5,700.0	2.79	287.24	5,698.8	15.3	-49.3	18.3	0.00	0.00	0.00
5,800.0	2.79	287.24	5,798.7	16.7	-53.9	20.0	0.00	0.00	0.00
5,900.0	2.79	287.24	5,898.6	18.2	-58.6	21.8	0.00	0.00	0.00
6,000.0	2.79	287.24	5,998.4	19.6	-63.2	23.5	0.00	0.00	0.00
6,100.0	2.79	287.24	6,098.3	21.1	-67.8	25.2	0.00	0.00	0.00
6,200.0	2.79	287.24	6,198.2	22.5	-72.5	26.9	0.00	0.00	0.00
6,300.0	2.79	287.24	6,298.1	23.9	-77.1	28.7	0.00	0.00	0.00
6,400.0	2.79	287.24	6,398.0	25.4	-81.8	30.4	0.00	0.00	0.00
6,500.0	2.79	287.24	6,497.9	26.8	-86.4	32.1	0.00	0.00	0.00
6,600.0	2.79	287.24	6,597.7	28.3	-91.1	33.9	0.00	0.00	0.00
6,700.0	2.79	287.24	6,697.6	29.7	-95.7	35.6	0.00	0.00	0.00
6,800.0	2.79	287.24	6,797.5	31.1	-100.4	37.3	0.00	0.00	0.00
6,900.0	2.79	287.24	6,897.4	32.6	-105.0	39.0	0.00	0.00	0.00
7,000.0	2.79	287.24	6,997.3	34.0	-109.7	40.8	0.00	0.00	0.00
7,100.0	2.79	287.24	7,097.1	35.5	-114.3	42.5	0.00	0.00	0.00
7,200.0	2.79	287.24	7,197.0	36.9	-118.9	44.2	0.00	0.00	0.00
7,300.0	2.79	287.24	7,296.9	38.3	-123.6	45.9	0.00	0.00	0.00
7,400.0	2.79	287.24	7,396.8	39.8	-128.2	47.7	0.00	0.00	0.00
7,500.0	2.79	287.24	7,496.7	41.2	-132.9	49.4	0.00	0.00	0.00
7,600.0	2.79	287.24	7,596.6	42.7	-137.5	51.1	0.00	0.00	0.00
7,700.0	2.79	287.24	7,696.4	44.1	-142.2	52.8	0.00	0.00	0.00
7,800.0	2.79	287.24	7,796.3	45.6	-146.8	54.6	0.00	0.00	0.00
7,900.0	2.79	287.24	7,896.2	47.0	-151.5	56.3	0.00	0.00	0.00
8,000.0	2.79	287.24	7,996.1	48.4	-156.1	58.0	0.00	0.00	0.00
8,100.0	2.79	287.24	8,096.0	49.9	-160.8	59.8	0.00	0.00	0.00
8,200.0	2.79	287.24	8,195.8	51.3	-165.4	61.5	0.00	0.00	0.00
8,300.0	2.79	287.24	8,295.7	52.8	-170.0	63.2	0.00	0.00	0.00
8,400.0	2.79	287.24	8,395.6	54.2	-174.7	64.9	0.00	0.00	0.00
8,500.0	2.79	287.24	8,495.5	55.6	-179.3	66.7	0.00	0.00	0.00
8,600.0	2.79	287.24	8,595.4	57.1	-184.0	68.4	0.00	0.00	0.00
8,700.0	2.79	287.24	8,695.2	58.5	-188.6	70.1	0.00	0.00	0.00
8,800.0	2.79	287.24	8,795.1	60.0	-193.3	71.8	0.00	0.00	0.00
8,900.0	2.79	287.24	8,895.0	61.4	-197.9	73.6	0.00	0.00	0.00
9,000.0	2.79	287.24	8,994.9	62.9	-202.6	75.3	0.00	0.00	0.00
9,100.0	2.79	287.24	9,094.8	64.3	-207.2	77.0	0.00	0.00	0.00
9,200.0	2.79	287.24	9,194.7	65.7	-211.8	78.7	0.00	0.00	0.00
9,300.0	2.79	287.24	9,294.5	67.2	-216.5	80.5	0.00	0.00	0.00
9,400.0	2.79	287.24	9,394.4	68.6	-221.1	82.2	0.00	0.00	0.00
9,500.0	2.79	287.24	9,494.3	70.1	-225.8	83.9	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #505H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3619.0usft
Site:	Mars 10 State	**MD Reference:**	KB = 25' @ 3619.0usft
Well:	#505H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	EDM 5000.1 Single User Db

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)
9,600.0	2.79	287.24	9,594.2	71.5	-230.4	85.6	0.00	0.00	0.00
9,700.0	2.79	287.24	9,694.1	72.9	-235.1	87.4	0.00	0.00	0.00
9,800.0	2.79	287.24	9,793.9	74.4	-239.7	89.1	0.00	0.00	0.00
9,900.0	2.79	287.24	9,893.8	75.8	-244.4	90.8	0.00	0.00	0.00
10,000.0	2.79	287.24	9,993.7	77.3	-249.0	92.6	0.00	0.00	0.00
10,100.0	2.79	287.24	10,093.6	78.7	-253.7	94.3	0.00	0.00	0.00
10,200.0	2.79	287.24	10,193.5	80.1	-258.3	96.0	0.00	0.00	0.00
10,300.0	2.79	287.24	10,293.4	81.6	-262.9	97.7	0.00	0.00	0.00
10,400.0	2.79	287.24	10,393.2	83.0	-267.6	99.5	0.00	0.00	0.00
10,500.0	2.79	287.24	10,493.1	84.5	-272.2	101.2	0.00	0.00	0.00
10,593.1	2.79	287.24	10,586.1	85.8	-276.6	102.8	0.00	0.00	0.00
10,600.0	3.07	299.70	10,593.0	86.0	-276.9	103.0	10.00	4.05	179.48
10,650.0	7.05	337.63	10,642.8	89.5	-279.2	106.6	10.00	7.97	75.87
10,700.0	11.83	346.87	10,692.1	97.3	-281.5	114.6	10.00	9.56	18.47
10,750.0	16.74	350.79	10,740.6	109.4	-283.9	126.8	10.00	9.82	7.85
10,800.0	21.69	352.97	10,787.8	125.7	-286.1	143.2	10.00	9.90	4.35
10,850.0	26.66	354.37	10,833.4	146.0	-288.4	163.6	10.00	9.94	2.79
10,900.0	31.64	355.35	10,877.0	170.3	-290.5	188.0	10.00	9.95	1.97
10,950.0	36.62	356.09	10,918.4	198.3	-292.6	216.0	10.00	9.97	1.48
11,000.0	41.60	356.68	10,957.2	229.7	-294.6	247.5	10.00	9.97	1.17
11,050.0	46.59	357.16	10,993.1	264.5	-296.5	282.3	10.00	9.98	0.96
11,100.0	51.58	357.56	11,025.8	302.2	-298.2	320.1	10.00	9.98	0.81
11,150.0	56.58	357.92	11,055.1	342.6	-299.8	360.6	10.00	9.98	0.71
11,200.0	61.57	358.23	11,080.8	385.5	-301.2	403.4	10.00	9.99	0.63
11,250.0	66.56	358.52	11,102.7	430.4	-302.5	448.4	10.00	9.99	0.57
11,300.0	71.56	358.78	11,120.5	477.1	-303.6	495.0	10.00	9.99	0.53
11,350.0	76.55	359.04	11,134.3	525.1	-304.5	543.0	10.00	9.99	0.50
11,400.0	81.54	359.28	11,143.8	574.2	-305.2	592.0	10.00	9.99	0.48
11,450.0	86.54	359.51	11,149.0	623.9	-305.8	641.7	10.00	9.99	0.47
11,482.1	89.75	359.66	11,150.0	656.0	-306.0	673.7	10.00	9.99	0.46
11,500.0	89.75	359.66	11,150.1	673.9	-306.1	691.6	0.00	0.00	0.00
11,600.0	89.75	359.66	11,150.5	773.9	-306.7	791.4	0.00	0.00	0.00
11,700.0	89.75	359.66	11,151.0	873.9	-307.3	891.3	0.00	0.00	0.00
11,800.0	89.75	359.66	11,151.4	973.9	-307.9	991.1	0.00	0.00	0.00
11,900.0	89.75	359.66	11,151.9	1,073.9	-308.5	1,091.0	0.00	0.00	0.00
12,000.0	89.75	359.66	11,152.3	1,173.9	-309.1	1,190.8	0.00	0.00	0.00
12,100.0	89.75	359.66	11,152.7	1,273.9	-309.7	1,290.6	0.00	0.00	0.00
12,200.0	89.75	359.66	11,153.2	1,373.9	-310.3	1,390.5	0.00	0.00	0.00
12,300.0	89.75	359.66	11,153.6	1,473.9	-310.9	1,490.3	0.00	0.00	0.00
12,400.0	89.75	359.66	11,154.1	1,573.9	-311.4	1,590.2	0.00	0.00	0.00
12,500.0	89.75	359.66	11,154.5	1,673.9	-312.0	1,690.0	0.00	0.00	0.00
12,600.0	89.75	359.66	11,155.0	1,773.9	-312.6	1,789.8	0.00	0.00	0.00
12,700.0	89.75	359.66	11,155.4	1,873.9	-313.2	1,889.7	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #505H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3619.0usft
Site:	Mars 10 State	**MD Reference:**	KB = 25' @ 3619.0usft
Well:	#505H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	EDM 5000.1 Single User Db

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)
12,800.0	89.75	359.66	11,155.9	1,973.8	-313.8	1,989.5	0.00	0.00	0.00
12,900.0	89.75	359.66	11,156.3	2,073.8	-314.4	2,089.4	0.00	0.00	0.00
13,000.0	89.75	359.66	11,156.8	2,173.9	-315.0	2,189.2	0.00	0.00	0.00
13,100.0	89.75	359.66	11,157.2	2,273.9	-315.6	2,289.1	0.00	0.00	0.00
13,200.0	89.75	359.66	11,157.6	2,373.9	-316.2	2,388.9	0.00	0.00	0.00
13,300.0	89.75	359.66	11,158.1	2,473.9	-316.8	2,488.7	0.00	0.00	0.00
13,400.0	89.75	359.66	11,158.5	2,573.9	-317.4	2,588.6	0.00	0.00	0.00
13,500.0	89.75	359.66	11,159.0	2,673.9	-318.0	2,688.4	0.00	0.00	0.00
13,600.0	89.75	359.66	11,159.4	2,773.8	-318.6	2,788.3	0.00	0.00	0.00
13,700.0	89.75	359.66	11,159.9	2,873.8	-319.2	2,888.1	0.00	0.00	0.00
13,800.0	89.75	359.66	11,160.3	2,973.8	-319.7	2,987.9	0.00	0.00	0.00
13,900.0	89.75	359.66	11,160.8	3,073.8	-320.3	3,087.8	0.00	0.00	0.00
14,000.0	89.75	359.66	11,161.2	3,173.8	-320.9	3,187.6	0.00	0.00	0.00
14,100.0	89.75	359.66	11,161.6	3,273.8	-321.5	3,287.5	0.00	0.00	0.00
14,200.0	89.75	359.66	11,162.1	3,373.8	-322.1	3,387.3	0.00	0.00	0.00
14,300.0	89.75	359.66	11,162.5	3,473.8	-322.7	3,487.2	0.00	0.00	0.00
14,400.0	89.75	359.66	11,163.0	3,573.8	-323.3	3,587.0	0.00	0.00	0.00
14,500.0	89.75	359.66	11,163.4	3,673.8	-323.9	3,686.8	0.00	0.00	0.00
14,600.0	89.75	359.66	11,163.9	3,773.8	-324.5	3,786.7	0.00	0.00	0.00
14,700.0	89.75	359.66	11,164.3	3,873.8	-325.1	3,886.5	0.00	0.00	0.00
14,800.0	89.75	359.66	11,164.8	3,973.8	-325.7	3,986.4	0.00	0.00	0.00
14,900.0	89.75	359.66	11,165.2	4,073.8	-326.3	4,086.2	0.00	0.00	0.00
15,000.0	89.75	359.66	11,165.6	4,173.8	-326.9	4,186.0	0.00	0.00	0.00
15,100.0	89.75	359.66	11,166.1	4,273.8	-327.5	4,285.9	0.00	0.00	0.00
15,200.0	89.75	359.66	11,166.5	4,373.8	-328.1	4,385.7	0.00	0.00	0.00
15,300.0	89.75	359.66	11,167.0	4,473.8	-328.6	4,485.6	0.00	0.00	0.00
15,400.0	89.75	359.66	11,167.4	4,573.8	-329.2	4,585.4	0.00	0.00	0.00
15,500.0	89.75	359.66	11,167.9	4,673.8	-329.8	4,685.3	0.00	0.00	0.00
15,600.0	89.75	359.66	11,168.3	4,773.8	-330.4	4,785.1	0.00	0.00	0.00
15,700.0	89.75	359.66	11,168.8	4,873.8	-331.0	4,884.9	0.00	0.00	0.00
15,800.0	89.75	359.66	11,169.2	4,973.8	-331.6	4,984.8	0.00	0.00	0.00
15,900.0	89.75	359.66	11,169.7	5,073.8	-332.2	5,084.6	0.00	0.00	0.00
16,000.0	89.75	359.66	11,170.1	5,173.8	-332.8	5,184.5	0.00	0.00	0.00
16,100.0	89.75	359.66	11,170.5	5,273.8	-333.4	5,284.3	0.00	0.00	0.00
16,203.2	89.75	359.66	11,171.0	5,377.0	-334.0	5,387.4	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #505H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3619.0usft
Site:	Mars 10 State	**MD Reference:**	KB = 25' @ 3619.0usft
Well:	#505H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	EDM 5000.1 Single User Db

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(Mars 10 State #505 - plan hits target center - Point	0.00	0.00	11,150.0	656.0	-306.0	451,949.00	739,276.00	32° 14' 24.558 N	103° 33' 34.014 W
PBHL(Mars 10 State #5(- plan hits target center - Rectangle (sides W50.0 H0.0 D4,721.0)	90.25	359.66	11,171.0	5,377.0	-334.0	456,670.00	739,248.00	32° 15' 11.276 N	103° 33' 33.944 W

Checked By: _____ Approved By: _____ Date: _____