

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., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

<sup>1</sup> API Number 30-025-46735	<sup>2</sup> Pool Code 59900	<sup>3</sup> Pool Name TRIPLE X; BONE SPRING
<sup>4</sup> Property Code 313956	<sup>5</sup> Property Name NEPTUNE 10 STATE COM	<sup>6</sup> Well Number 205H
<sup>7</sup> OGRID No. 7377	<sup>8</sup> Operator Name EOG RESOURCES, INC.	<sup>9</sup> Elevation 3608'

<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	10	24-S	33-E	-	870'	SOUTH	964'	EAST	LEA

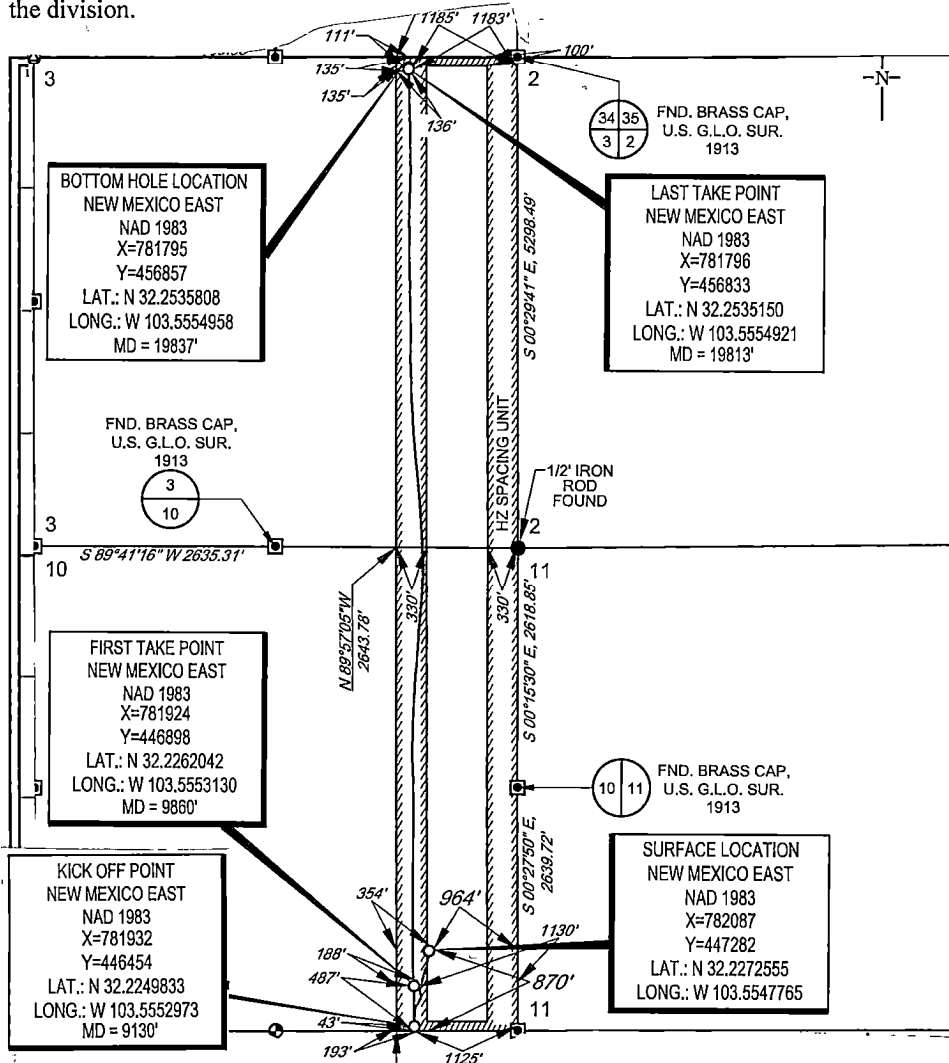
<sup>11</sup>Bottom Hole Location If Different From Surface

NSL-7987

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	3	24-S	33-E	-	135'	NORTH	1185'	EAST	LEA

<sup>12</sup> Dedicated Acres 320.05	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. NSL 7987
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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.

<sup>17</sup>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.

*Kay Maddox* 11/17/2020  
Signature Date

KAY MADDOX  
Printed Name

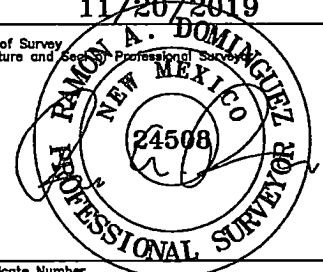
KAY.MADDOX@EOGRESOURCES.COM  
E-mail Address

<sup>18</sup>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.

11/20/2019

Date of Survey  
Signature and Seal of Professional Surveyor

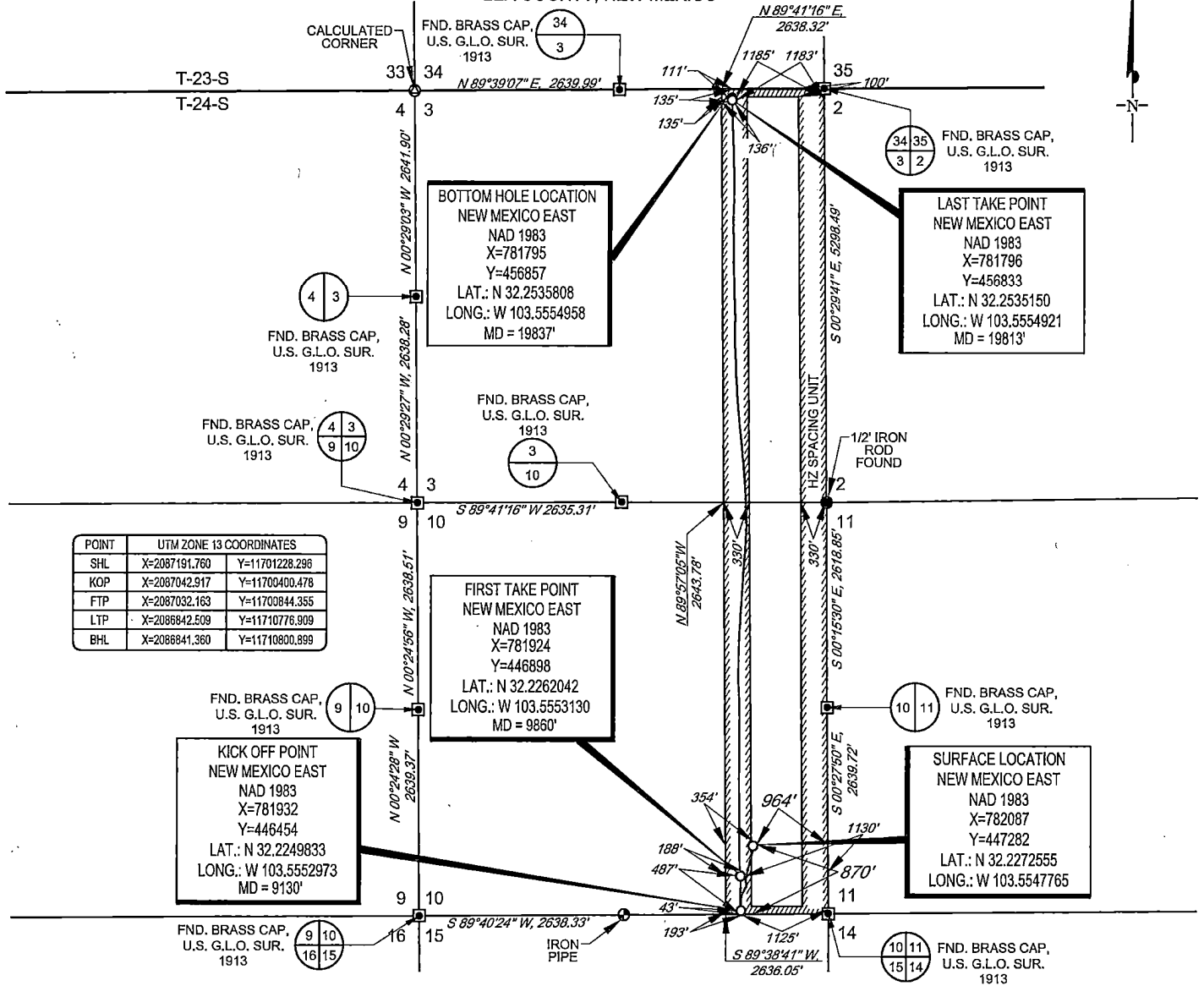


Certificate Number

SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 10 TOWNSHIP 24-S, RANGE 33-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

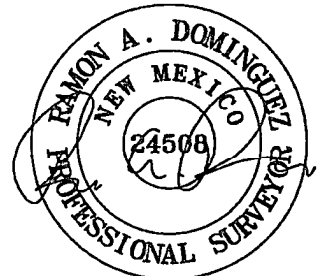


LEASE NAME & WELL NO.: NEPTUNE 10 STATE COM #205H  
SECTION 10 TWP 24-S RGE 33-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM ELEVATION 3608'  
DESCRIPTION 870' FSL & 964' FEL



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508  
JULY 30, 2020



NEPTUNE 10 STATE COM #205H AS-COMplete	REVISION:	
	INT	DATE
DATE: 07/30/2020		
FILE:AD_NEPTUNE10STATECOM_205H		
DRAWN BY: H.B.		
SHEET: 1 OF 1		

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1983.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

Intent ☐ As Drilled ☒ XXX

API #  
30-025-46735

Operator Name: EOG RESOURCES, INC	Property Name: NEPTUNE 10 STATE COM	Well Number 205H
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Kick Off Point (KOP)

UL P	Section 10	Township 24S	Range 33E	Lot	Feet 43	From N/S SOUTH	Feet 1125	From E/W EAST	County LEA
Latitude 32.2249833					Longitude 103.5552973			NAD 1983	

First Take Point (FTP)

UL P	Section 10	Township 24S	Range 33E	Lot	Feet 487	From N/S SOUTH	Feet 1130	From E/W EAST	County LEA
Latitude 32.2262042					Longitude 103.5553130			NAD 1983	

Last Take Point (LTP)

UL A	Section 3	Township 24S	Range 33E	Lot	Feet 135	From N/S NORTH	Feet 1183	From E/W EAST	County LEA
Latitude 32.2535150					Longitude 103.5554921			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? ☒ YES

Is this well an infill well? ☐ NO

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name: EOG RESOURCES, INC	Property Name:	Well Number

KZ 06/29/2018

REC'D 11/19/2020 - NMOCD



## **EOG Resources - Midland**

Lea County, NM (NAD 83 NME)

Neptune 10 State Com

#205H

OH

Design: OH

## **Midland PVA**

17 March, 2020



**EOG Resources**  
Midland PVA

<b>Company:</b>	EOG Resources - Midland	<b>Local Co-ordinate Reference:</b>	Well #205H
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>TVD Reference:</b>	KB 25 @ 3633.0usft
<b>Site:</b>	Neptune 10 State Com	<b>MD Reference:</b>	KB 25 @ 3633.0usft
<b>Well:</b>	#205H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	EDM

<b>Project</b>	Lea County, NM (NAD 83 NME)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Neptune 10 State Com		
<b>Site Position:</b>		<b>Northing:</b>	446,557.00 usft
<b>From:</b>	Map	<b>Easting:</b>	778,964.00 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	32° 13' 31.172 N
		<b>Longitude:</b>	103° 33' 53.609 W
		<b>Grid Convergence:</b>	0.41 °

<b>Well</b>	#205H		
<b>Well Position</b>	+N-S	0.0 usft	<b>Northing:</b> 447,262.00 usft
	+E-W	0.0 usft	<b>Easting:</b> 782,087.00 usft
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b>	usft
		<b>Latitude:</b>	32° 13' 38.123 N
		<b>Longitude:</b>	103° 33' 17.194 W
		<b>Ground Level:</b>	3,608.0 usft

<b>Wellbore</b>	OH		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>
			(°)
	IGRF2015	3/5/2020	6.65
			<b>Dip Angle</b>
			(°)
			60.03
			<b>Field Strength</b>
			(nT)
			47,681.03878447

<b>Design</b>	OH		
<b>Audit Notes:</b>			
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL
		<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N-S</b>	<b>+E-W</b>
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			<b>Direction</b>
			(°)
			358.49

<b>Survey Program</b>	Date 3/17/2020		
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>
(usft)	(usft)		
175.0	19,837.0	Prodirectional (OH)	EOG MWD+IFR1
			<b>Description</b>
			MWD + IFR1



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	1.0	0.0
175.0	0.90	90.70	175.0	0.0	1.4	0.51	0.51	0.00	-1.4	0.0
317.0	0.90	96.60	317.0	-0.2	3.6	0.07	0.00	4.15	-3.6	0.3
405.0	0.70	86.40	405.0	-0.2	4.8	0.28	-0.23	-11.59	-4.8	-0.5
494.0	0.60	80.00	494.0	-0.1	5.8	0.14	-0.11	-7.19	-5.7	-1.1
589.0	0.70	86.00	589.0	0.0	6.9	0.13	0.11	6.32	-6.9	-0.4
683.0	0.40	77.80	683.0	0.1	7.8	0.33	-0.32	-8.72	-7.6	-1.5
872.0	0.60	50.70	871.9	0.9	9.2	0.16	0.11	-14.34	-7.7	-5.1
966.0	0.70	59.50	965.9	1.5	10.1	0.15	0.11	9.36	-9.4	-3.8
1,061.0	0.90	80.00	1,060.9	1.9	11.3	0.36	0.21	21.58	-11.5	-0.1
1,156.0	1.10	75.40	1,155.9	2.3	12.9	0.23	0.21	-4.84	-13.1	-1.0
1,284.0	1.20	83.60	1,283.9	2.8	15.4	0.15	0.08	6.41	-15.7	1.0
1,422.0	0.70	88.50	1,421.9	2.9	17.7	0.37	-0.36	3.55	-17.8	2.5
1,517.0	0.70	76.80	1,516.9	3.1	18.9	0.15	0.00	-12.32	-19.1	-1.3
1,612.0	1.20	190.70	1,611.9	2.2	19.2	1.70	0.53	119.89	7.9	18.5
1,706.0	2.20	189.20	1,705.8	-0.5	18.8	1.06	1.06	-1.60	9.8	19.0
1,801.0	5.90	194.30	1,800.6	-7.0	17.3	3.91	3.89	5.37	13.1	17.9
1,896.0	6.20	197.60	1,895.0	-16.7	14.5	0.48	0.32	3.47	15.5	16.3
1,990.0	6.50	196.80	1,988.5	-26.6	11.4	0.33	0.32	-0.85	18.5	15.3
2,085.0	9.40	196.90	2,082.5	-39.2	7.6	3.05	3.05	0.11	19.4	14.0
2,179.0	9.50	198.20	2,175.3	-53.9	3.0	0.25	0.11	1.38	18.0	12.3
2,274.0	9.10	199.00	2,269.0	-68.4	-1.9	0.44	-0.42	0.84	16.7	10.4
2,368.0	8.80	199.10	2,361.9	-82.3	-6.7	0.32	-0.32	0.11	15.8	8.7
2,463.0	8.50	200.60	2,455.8	-95.7	-11.5	0.40	-0.32	1.58	15.6	6.4
2,557.0	8.50	198.20	2,548.7	-108.8	-16.1	0.38	0.00	-2.55	15.2	5.3
2,651.0	10.50	192.80	2,641.5	-123.7	-20.2	2.33	2.13	-5.74	13.0	5.8
2,746.0	10.50	191.90	2,734.9	-140.7	-23.9	0.17	0.00	-0.95	9.5	5.9



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State.Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
2,840.0	10.10	191.90	2,827.3	-157.1	-27.4	0.43	-0.43	0.00	6.6	5.9
2,935.0	9.80	192.20	2,920.9	-173.2	-30.8	0.32	-0.32	0.32	4.1	5.9
3,030.0	9.70	194.30	3,014.5	-188.8	-34.5	0.39	-0.11	2.21	2.2	5.5
3,124.0	9.40	193.90	3,107.2	-203.9	-38.3	0.33	-0.32	-0.43	0.4	5.0
3,219.0	8.80	192.90	3,201.0	-218.6	-41.8	0.65	-0.63	-1.05	-0.7	4.7
3,314.0	8.20	192.20	3,295.0	-232.3	-44.8	0.64	-0.63	-0.74	-0.8	4.5
3,408.0	7.60	193.10	3,388.1	-244.9	-47.7	0.65	-0.64	0.96	0.2	4.4
3,503.0	8.50	191.10	3,482.2	-257.9	-50.4	0.99	0.95	-2.11	0.8	4.4
3,597.0	10.20	194.80	3,574.9	-272.7	-53.9	1.92	1.81	3.94	-0.4	4.1
3,692.0	9.60	192.80	3,668.5	-288.6	-57.8	0.73	-0.63	-2.11	-2.9	3.6
3,786.0	9.10	192.00	3,761.3	-303.5	-61.1	0.55	-0.53	-0.85	-4.4	3.5
3,881.0	8.40	193.30	3,855.2	-317.6	-64.2	0.77	-0.74	1.37	-4.8	3.4
3,975.0	8.30	192.60	3,948.2	-330.9	-67.3	0.15	-0.11	-0.74	-4.6	3.1
4,069.0	8.00	195.00	4,041.2	-343.9	-70.5	0.48	-0.32	2.55	-3.9	2.9
4,164.0	7.60	194.00	4,135.3	-356.3	-73.7	0.44	-0.42	-1.05	-2.9	2.2
4,258.0	8.00	196.80	4,228.5	-368.6	-77.1	0.59	0.43	2.98	-1.7	1.5
4,353.0	9.00	198.10	4,322.4	-382.0	-81.3	1.07	1.05	1.37	-1.8	0.2
4,448.0	8.50	195.30	4,416.3	-395.9	-85.5	0.69	-0.53	-2.95	-2.3	-1.1
4,542.0	8.20	189.50	4,509.3	-409.2	-88.4	0.95	-0.32	-6.17	-1.9	-1.4
4,636.0	8.00	186.00	4,602.4	-422.3	-90.2	0.57	-0.21	-3.72	-1.3	-0.4
4,731.0	7.20	182.60	4,696.5	-434.8	-91.2	0.97	-0.84	-3.58	0.0	1.4
4,919.0	7.40	167.40	4,883.0	-456.4	-89.1	1.03	0.11	-8.09	1.4	9.8
5,014.0	7.50	162.80	4,977.2	-470.3	-85.9	0.64	0.11	-4.84	0.6	16.2
5,109.0	8.50	169.90	5,071.3	-483.1	-82.8	1.48	1.05	7.47	2.4	22.1
5,202.0	7.80	170.40	5,163.4	-496.1	-80.6	0.76	-0.75	0.54	2.2	27.2
5,297.0	8.80	191.70	5,257.4	-509.7	-81.0	3.43	1.16	22.42	12.4	27.0
5,391.0	9.90	208.30	5,350.1	-523.9	-86.3	3.06	1.06	17.66	17.8	20.6



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
5,486.0	11.50	223.60	5,443.5	-538.0	-96.7	3.42	1.68	16.11	17.1	10.0	
5,581.0	11.30	200.60	5,536.7	-553.5	-106.5	4.76	-0.21	-24.21	7.6	10.1	
5,676.0	11.00	203.80	5,629.9	-570.5	-113.4	0.72	-0.32	3.37	3.4	7.3	
5,770.0	10.70	226.20	5,722.2	-584.8	-123.4	4.47	-0.32	23.83	0.3	1.1	
5,864.0	9.60	217.10	5,814.8	-597.1	-134.4	2.07	-1.17	-9.88	-3.8	-6.1	
5,959.0	8.80	197.80	5,908.6	-610.3	-141.4	3.34	-0.84	-20.32	-2.4	-11.0	
6,054.0	9.20	189.20	6,002.4	-624.7	-144.8	1.48	0.42	-9.05	-1.5	-11.7	
6,148.0	8.70	188.60	6,095.3	-639.2	-147.1	0.54	-0.53	-0.64	-2.2	-10.9	
6,243.0	7.70	186.40	6,189.3	-652.6	-148.9	1.10	-1.05	-2.32	-1.4	-9.9	
6,337.0	7.20	185.60	6,282.5	-664.7	-150.2	0.54	-0.53	-0.85	0.3	-8.5	
6,432.0	7.00	183.70	6,376.8	-676.4	-151.1	0.32	-0.21	-2.00	2.7	-6.6	
6,526.0	6.60	181.20	6,470.1	-687.6	-151.6	0.53	-0.43	-2.66	5.5	-4.1	
6,621.0	6.60	183.70	6,564.5	-698.5	-152.1	0.30	0.00	2.63	8.3	-2.1	
6,716.0	6.70	181.00	6,658.8	-709.5	-152.5	0.35	0.11	-2.84	11.2	0.7	
6,810.0	6.50	181.20	6,752.2	-720.3	-152.7	0.21	-0.21	0.21	14.0	3.3	
6,905.0	6.20	179.60	6,846.6	-730.8	-152.8	0.37	-0.32	-1.68	17.1	6.5	
7,000.0	5.50	177.20	6,941.1	-740.4	-152.5	0.78	-0.74	-2.53	20.7	10.6	
7,094.0	5.70	177.00	7,034.7	-749.6	-152.1	0.21	0.21	-0.21	24.9	14.2	
7,189.0	5.60	176.50	7,129.2	-758.9	-151.5	0.12	-0.11	-0.53	29.0	18.2	
7,283.0	5.40	176.60	7,222.8	-767.9	-151.0	0.21	-0.21	0.11	32.4	21.6	
7,378.0	3.90	183.20	7,317.5	-775.6	-150.9	1.67	-1.58	6.95	36.8	19.8	
7,472.0	3.70	180.50	7,411.3	-781.8	-151.1	0.29	-0.21	-2.87	36.2	22.7	
7,566.0	2.80	165.30	7,505.1	-787.1	-150.6	1.32	-0.96	-16.17	27.0	32.2	
7,628.2	2.04	196.60	7,567.3	-789.6	-150.5	2.41	-1.23	50.28	38.0	14.2	
Brushy Top (Neptune 10 St Com #205H)											
7,661.0	2.00	219.10	7,600.1	-790.6	-151.0	2.41	-0.11	68.69	39.5	-1.2	
7,756.0	1.60	209.30	7,695.0	-793.1	-152.7	0.53	-0.42	-10.32	36.1	5.3	



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Nephtine 10 State Com
Well:	#205H
Wellbore:	OH
Design:	OH
Local Co-ordinate Reference:	
TVD Reference:	
North Reference:	
Survey Calculation Method:	
Database:	
EDM	
Minimum Curvature	
Grid	
KB 25 @ 3633.0usft	
Well #205H	

MD	Inc	Azi (azimuth)	TVD	N/S	EW	Dleg	Build	Turn	High to Plan	Right to Plan
(usft)	(°)	(°)	(usft)		(usft)	(/100usft)	(/100usft)	(/100usft)	(usft)	(usft)
7,850.0	1.60	198.70	7,789.0	-795.5	-153.8	0.31	0.00	-11.28	31.9	11.6
7,945.0	1.40	191.20	7,883.9	-797.9	-154.4	0.29	-0.21	-7.89	27.7	15.5
8,040.0	1.50	179.20	7,978.9	-800.2	-154.6	0.34	0.11	-12.63	21.5	20.7
8,134.0	1.30	177.60	8,072.9	-802.5	-154.6	0.22	-0.21	-1.70	18.6	21.2
8,229.0	1.60	175.70	8,167.9	-804.9	-154.4	0.32	0.32	-2.00	15.5	21.8
8,324.0	1.30	184.50	8,262.8	-807.3	-154.4	0.39	-0.32	9.26	16.2	19.4
8,418.0	1.40	176.90	8,356.8	-809.5	-154.4	0.24	0.11	-9.15	11.0	21.4
8,513.0	1.30	182.50	8,451.8	-811.8	-154.4	0.19	-0.11	6.95	11.1	20.2
8,607.0	1.60	172.60	8,545.7	-814.1	-154.3	0.41	0.32	-10.53	5.1	21.6
8,702.0	1.70	171.30	8,640.7	-816.8	-153.9	0.11	0.11	-1.37	1.9	21.7
8,797.0	1.60	181.50	8,735.7	-819.6	-153.7	0.33	-0.11	10.74	3.0	21.2
8,891.0	1.30	178.60	8,829.6	-821.9	-153.7	0.33	-0.32	-3.09	-0.5	21.3
8,986.0	1.60	187.00	8,924.6	-824.3	-153.8	0.39	0.32	8.84	0.3	21.3
9,119.0	1.50	209.40	9,057.6	-827.7	-154.9	0.46	-0.08	16.84	4.3	20.6
9,130.0	0.97	285.04	9,068.6	-827.8	-155.1	14.28	-4.82	687.68	21.1	1.7
KOP, MD:9130.0', TVD:9068.6', N/S:-827.8', EW:-155.1', INC:0.97										
9,214.0	12.40	348.60	9,151.9	-818.7	-157.6	14.28	13.61	75.66	12.9	-15.3
9,309.0	22.20	356.50	9,242.5	-790.8	-160.7	10.59	10.32	8.32	9.8	-14.1
9,354.7	26.33	357.51	9,284.1	-772.0	-161.6	9.08	9.04	2.21	9.1	-13.4
FTP Crossing, MD:9354.7', TVD:9284.1', N/S:-772.0', EW:-161.6', INC:26.33										
9,403.0	30.70	358.30	9,326.6	-749.0	-162.5	9.08	9.05	1.64	8.7	-12.9
9,498.0	42.30	1.40	9,402.8	-692.6	-162.4	12.36	12.21	3.26	6.2	-13.7
9,573.1	50.61	2.88	9,454.5	-638.2	-160.3	11.15	11.06	1.97	2.5	-16.1
FTP (Nephtine 10 St Com #205H)										
9,592.0	52.70	3.20	9,466.2	-623.4	-159.5	11.15	11.07	1.68	1.4	-17.0
9,686.0	60.50	1.30	9,517.9	-545.1	-156.5	8.47	8.30	-2.02	-2.4	-20.5
9,781.0	67.90	356.40	9,569.3	-459.7	-158.4	9.07	7.79	-5.16	-2.8	-19.4
9,875.0	77.00	356.40	9,587.6	-370.3	-164.0	9.68	9.68	0.00	-2.0	-14.4

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COMPASS 5000.15 Build 91



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,970.0	87.30	357.00	9,600.5	-276.5	-169.4	10.86	10.84	0.63	-1.6	-9.7
10,064.0	90.80	359.30	9,602.1	-182.6	-172.4	4.46	3.72	2.45	-0.3	-7.3
10,159.0	90.30	359.40	9,601.2	-87.6	-173.5	0.54	-0.53	0.11	-0.5	-6.9
10,254.0	92.90	359.90	9,598.5	7.4	-174.1	2.79	2.74	0.53	-2.4	-7.1
10,348.0	93.50	359.10	9,593.3	101.2	-174.9	1.06	0.64	-0.85	-7.0	-6.9
10,443.0	92.10	359.50	9,588.6	196.1	-176.1	1.53	-1.47	0.42	-10.9	-6.5
10,537.0	92.90	359.50	9,584.5	290.0	-176.9	0.85	0.85	0.00	-14.3	-6.4
10,632.0	90.70	359.70	9,581.6	385.0	-177.5	2.33	-2.32	0.21	-16.6	-6.4
10,727.0	88.30	359.70	9,582.4	479.9	-178.0	2.53	-2.53	0.00	-15.1	-6.6
10,821.0	87.40	359.70	9,585.9	573.9	-178.5	0.96	-0.96	0.00	-10.9	-6.8
10,916.0	86.60	359.40	9,590.9	668.7	-179.3	0.90	-0.84	-0.32	-5.2	-6.8
11,011.0	89.50	0.00	9,594.1	763.7	-179.8	3.12	3.05	0.63	-1.3	-7.0
11,105.0	92.50	0.30	9,592.5	857.6	-179.5	3.21	3.19	0.32	-2.2	-7.9
11,200.0	92.40	0.50	9,588.4	952.6	-178.9	0.24	-0.11	0.21	-5.6	-9.3
11,200.5	92.40	0.50	9,588.4	953.1	-178.9	0.00	0.00	0.00	-5.6	-9.3
TGT#1(Neptune 10 St Com #205H)										
11,294.0	92.50	0.50	9,584.4	1,046.5	-178.0	0.11	0.11	0.00	-8.3	-10.8
11,389.0	93.50	0.50	9,579.4	1,141.3	-177.2	1.05	1.05	0.00	-11.9	-12.3
11,483.0	93.80	0.20	9,573.4	1,235.1	-176.6	0.45	0.32	-0.32	-16.5	-13.6
11,578.0	94.30	359.90	9,566.7	1,329.9	-176.6	0.61	0.53	-0.32	-21.8	-14.4
11,673.0	91.20	0.40	9,562.2	1,424.8	-176.3	3.31	-3.26	0.53	-25.0	-15.3
11,767.0	89.80	0.10	9,561.4	1,518.8	-175.9	1.52	-1.49	-0.32	-24.4	-16.4
11,862.0	88.30	359.20	9,562.9	1,613.8	-176.5	1.84	-1.58	-0.95	-21.5	-16.5
11,891.8	87.99	359.04	9,563.9	1,643.6	-176.9	1.18	-1.05	-0.53	-20.1	-16.3
TGT#2(Neptune 10 St Com #205H)										
11,957.0	87.30	358.70	9,566.6	1,708.7	-178.2	1.18	-1.05	-0.53	-16.2	-15.5
12,051.0	87.10	358.00	9,571.2	1,802.5	-180.9	0.77	-0.21	-0.74	-10.0	-13.5



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,146.0	86.50	357.80	9,576.5	1,897.3	-184.4	0.67	-0.63	-0.21	-3.0	-10.8
12,240.0	86.30	357.00	9,582.4	1,991.0	-188.6	0.88	-0.21	-0.85	4.5	-7.2
12,334.0	86.40	356.30	9,588.4	2,084.7	-194.1	0.75	0.11	-0.74	12.1	-2.4
12,429.0	89.00	0.30	9,592.2	2,179.5	-196.9	5.02	2.74	4.21	17.6	-0.3
12,460.8	89.17	0.54	9,592.7	2,211.3	-196.7	0.92	0.53	0.74	18.7	-0.7
TGT#3(Neptune 10 St Com #205H)										
12,523.0	89.50	1.00	9,593.4	2,273.5	-195.9	0.92	0.53	0.74	20.3	-1.4
12,618.0	90.30	1.40	9,593.6	2,368.5	-193.9	0.94	0.84	0.42	21.1	-0.6
12,712.0	90.40	1.40	9,593.0	2,462.5	-191.6	0.11	0.11	0.00	20.4	2.1
12,806.0	91.10	2.70	9,591.8	2,556.4	-188.2	1.57	0.74	1.38	19.1	3.8
12,901.0	91.70	2.80	9,589.4	2,651.3	-183.7	0.64	0.63	0.11	16.7	4.4
12,995.0	90.70	3.70	9,587.5	2,745.1	-178.3	1.43	-1.06	0.96	14.6	4.2
13,090.0	91.40	3.70	9,585.7	2,839.9	-172.2	0.74	0.74	0.00	12.7	3.3
13,185.0	90.90	3.50	9,583.8	2,934.7	-166.2	0.57	-0.53	-0.21	10.7	2.5
13,279.0	89.50	4.30	9,583.5	3,028.4	-159.9	1.72	-1.49	0.85	10.3	1.2
13,374.0	90.00	4.30	9,583.9	3,123.2	-152.7	0.53	0.53	0.00	10.6	-0.8
13,468.0	87.80	3.60	9,585.7	3,216.9	-146.3	2.46	-2.34	-0.74	12.3	-2.1
13,563.0	86.20	3.00	9,590.7	3,311.6	-140.8	1.80	-1.68	-0.63	17.1	-2.4
13,657.0	88.60	3.00	9,595.0	3,405.4	-135.9	2.55	2.55	0.00	21.3	-2.2
13,752.0	91.90	4.40	9,594.5	3,500.2	-129.8	3.77	3.47	1.47	20.7	-3.2
13,846.0	93.00	4.50	9,590.5	3,593.8	-122.5	1.18	1.17	0.11	16.6	-5.3
13,916.3	91.95	4.20	9,587.5	3,663.8	-117.1	1.55	-1.49	-0.43	13.5	-6.8
TGT#4(Neptune 10 St Com #205H)										
13,940.0	91.60	4.10	9,588.8	3,687.5	-115.4	1.55	-1.49	-0.43	12.6	-7.3
14,035.0	88.70	3.70	9,588.5	3,782.2	-109.0	3.08	-3.05	-0.42	10.5	-8.6
14,130.0	89.80	4.10	9,587.7	3,877.0	-102.5	1.23	1.16	0.42	9.6	-9.8
14,224.0	90.40	4.30	9,587.6	3,970.8	-95.6	0.67	0.64	0.21	7.3	-11.6



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
14,318.0	90.50	4.20	9,586.8	4,064.5	-88.7	0.15	0.11	-0.11	4.5	-13.4	
14,391.1	89.58	0.74	9,586.8	4,137.5	-85.5	4.90	-1.26	-4.74	2.8	-12.6	
AC TGT (Neptune 10 St Com #205H)											
14,413.0	89.30	359.70	9,587.0	4,159.4	-85.4	4.90	-1.26	-4.74	2.5	-11.6	
14,508.0	89.50	356.80	9,588.0	4,254.4	-88.3	3.08	0.21	-3.05	1.6	-5.8	
14,602.0	89.40	356.10	9,588.9	4,348.2	-94.1	0.75	-0.11	-0.74	0.8	-0.2	
14,696.0	90.50	356.20	9,589.0	4,442.0	-100.5	1.18	1.17	0.11	-0.6	2.8	
14,791.0	90.50	356.30	9,588.2	4,536.7	-106.7	0.11	0.00	0.11	-2.7	2.6	
14,886.0	90.50	355.60	9,587.3	4,631.5	-113.4	0.74	0.00	-0.74	-4.5	-0.3	
14,980.0	90.50	355.40	9,586.5	4,725.2	-120.8	0.21	0.00	-0.21	-6.1	-5.5	
15,075.0	90.20	356.00	9,585.9	4,819.9	-127.9	0.71	-0.32	0.63	-7.2	-14.1	
15,170.0	90.10	355.30	9,585.7	4,914.7	-135.1	0.74	-0.11	-0.74	-7.7	-25.7	
15,264.0	89.60	354.80	9,585.9	5,008.3	-143.2	0.75	-0.53	-0.53	-7.7	-35.5	
15,359.0	89.00	354.50	9,587.1	5,102.9	-152.0	0.71	-0.63	-0.32	-6.7	-41.5	
15,453.0	89.20	354.10	9,588.6	5,196.4	-161.4	0.48	0.21	-0.43	-5.3	-43.8	
15,548.0	88.70	353.90	9,590.3	5,290.9	-171.3	0.57	-0.53	-0.21	-3.6	-42.4	
15,643.0	87.10	353.10	9,593.8	5,385.2	-182.1	1.88	-1.68	-0.84	0.0	-37.0	
15,737.0	89.10	354.60	9,596.9	5,478.6	-192.1	2.66	2.13	1.60	3.0	-29.1	
15,832.0	89.70	354.40	9,597.9	5,573.2	-201.2	0.67	0.63	-0.21	3.9	-20.7	
15,926.0	91.00	357.10	9,597.3	5,666.9	-208.2	3.19	1.38	2.87	3.3	-14.5	
16,021.0	91.50	357.00	9,595.3	5,761.7	-213.1	0.54	0.53	-0.11	1.2	-10.3	
16,115.0	91.90	357.00	9,592.5	5,855.6	-218.0	0.43	0.43	0.00	-1.5	-6.1	
16,210.0	92.00	356.40	9,589.2	5,950.4	-223.5	0.64	0.11	-0.63	-4.8	-1.3	
16,304.0	92.80	356.30	9,585.3	6,044.1	-229.4	0.88	0.85	-0.11	-8.7	4.0	
16,399.0	92.00	358.90	9,581.3	6,138.9	-233.4	2.86	-0.84	2.74	-12.7	7.2	
16,493.0	89.20	358.50	9,580.3	6,232.9	-235.5	3.01	-2.98	-0.43	-13.7	8.6	
16,588.0	88.30	357.50	9,582.4	6,327.8	-238.9	1.42	-0.95	-1.05	-11.6	11.2	



**EOG Resources**  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
16,682.0	88.80	357.50	9,584.8	6,421.7	-243.0	0.53	0.53	0.00	-9.2	14.6	
16,777.0	88.00	0.90	9,587.4	6,516.6	-244.3	3.68	-0.84	3.58	-6.6	15.3	
16,871.0	87.60	0.40	9,591.0	6,610.5	-243.2	0.68	-0.43	-0.53	-2.9	13.5	
16,966.0	87.90	0.30	9,594.8	6,705.5	-242.6	0.33	0.32	-0.11	0.8	12.2	
17,060.0	87.10	359.80	9,598.9	6,799.4	-242.6	1.00	-0.85	-0.53	4.9	11.4	
17,155.0	87.20	359.10	9,603.6	6,894.2	-243.5	0.74	0.11	-0.74	9.6	11.6	
17,250.0	85.40	357.30	9,609.7	6,989.0	-246.4	2.68	-1.89	-1.89	15.7	13.9	
17,344.0	88.70	358.50	9,614.6	7,082.8	-249.9	3.73	3.51	1.28	20.6	16.6	
17,439.0	89.50	358.00	9,616.1	7,177.7	-252.8	0.99	0.84	-0.53	22.1	18.8	
17,534.0	89.00	358.10	9,617.3	7,272.7	-256.0	0.54	-0.53	0.11	23.3	21.3	
17,628.0	89.70	358.70	9,618.4	7,366.6	-258.6	0.98	0.74	0.64	24.4	23.2	
17,723.0	90.20	358.40	9,618.5	7,461.6	-261.0	0.91	0.53	-0.32	24.5	24.9	
17,817.0	90.80	358.50	9,617.6	7,555.6	-263.6	0.65	0.64	0.11	23.6	26.7	
17,912.0	90.90	0.20	9,616.2	7,650.5	-264.7	1.79	0.11	1.79	22.2	27.1	
18,006.0	90.60	359.70	9,615.0	7,744.5	-264.7	0.62	-0.32	-0.53	21.0	26.5	
18,101.0	90.90	359.00	9,613.7	7,839.5	-265.8	0.80	0.32	-0.74	19.8	26.9	
18,196.0	91.20	358.90	9,612.0	7,934.5	-267.6	0.33	0.32	-0.11	18.0	27.9	
18,290.0	90.70	1.40	9,610.4	8,028.5	-267.3	2.71	-0.53	2.66	16.4	26.9	
18,385.0	91.30	1.60	9,608.8	8,123.4	-264.8	0.67	0.63	0.21	14.8	23.7	
18,480.0	92.00	1.40	9,606.1	8,218.3	-262.3	0.77	0.74	-0.21	12.0	20.5	
18,574.0	90.40	1.20	9,604.1	8,312.3	-260.2	1.72	-1.70	-0.21	10.1	17.7	
18,669.0	88.50	0.70	9,605.0	8,407.3	-258.6	2.07	-2.00	-0.53	11.0	15.4	
18,763.0	87.80	359.40	9,608.0	8,501.2	-258.6	1.57	-0.74	-1.38	14.0	14.6	
18,858.0	86.90	359.00	9,612.4	8,596.1	-259.9	1.04	-0.95	-0.42	18.4	15.3	
18,953.0	86.60	357.70	9,617.8	8,690.9	-262.6	1.40	-0.32	-1.37	23.8	17.3	
19,047.0	87.10	358.10	9,623.0	8,784.7	-266.1	0.68	0.53	0.43	29.0	20.0	
19,141.0	87.00	357.70	9,627.3	8,878.5	-269.5	0.68	0.53	-0.43	33.3	22.7	



EOG Resources  
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB 25 @ 3633.0usft
Site:	Neptune 10 State Com	MD Reference:	KB 25 @ 3633.0usft
Well:	#205H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Buile (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,236.0	89.10	358.40	9,630.1	8,973.4	-272.7	1.74	1.58	0.74	36.1	25.2
19,331.0	89.40	357.70	9,631.3	9,068.4	-276.0	0.80	0.32	-0.74	37.3	27.8
19,425.0	89.10	359.50	9,632.5	9,162.3	-278.3	1.94	-0.32	1.91	38.5	29.4
19,520.0	89.10	358.90	9,634.0	9,257.3	-279.6	0.63	0.00	-0.63	40.0	30.0
19,614.0	89.40	358.50	9,635.3	9,351.3	-281.7	0.53	0.32	-0.43	41.3	31.4
19,709.0	89.00	357.50	9,636.6	9,446.2	-285.0	1.13	-0.42	-1.05	42.6	34.0
19,779.0	89.10	356.80	9,637.7	9,516.1	-288.5	1.01	0.14	-1.00	43.8	36.9
Last MWD Survey (MD=19779.0)										
19,836.1	89.10	356.80	9,638.6	9,573.1	-291.7	0.00	0.00	0.00	44.6	39.7
PBHL (Neptune 10 St Com #205H)										
19,837.0	89.10	356.80	9,638.7	9,574.0	-291.7	0.00	0.00	0.00	44.7	39.7
Projection to Bit (MD=19837.0)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,130.0	9,068.6	-827.8	-155.1	KOP, MD:9130.0', TVD:9068.6', N/S:-827.8', E/W:-155.1', INC:0.97
9,354.7	9,284.1	-772.0	-161.6	FTP Crossing, MD:9354.7', TVD:9284.1', N/S:-772.0', E/W:-161.6', INC:26.33
19,779.0	9,637.7	9,516.1	-288.5	Last MWD Survey (MD=19779.0')
19,837.0	9,638.7	9,574.0	-291.7	Projection to Bit (MD=19837.0')

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

I certify this survey to be true and correct to the best of my belief and knowledge.

Kam Maddox 11/17/2020  
Signed Date

