

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

District Office☐ **AMENDED REPORT**

¹ API Number 30-025-44469	² Pool Code 59900	³ Pool Name TRIPLE X; BONE SPRING	<i>KZ</i>
⁴ Property Code 313956	⁵ Property Name NEPTUNE 10 STATE COM		⁶ Well Number 206H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3606'

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	-	250'	SOUTH	550'	EAST	LEA

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	-	110'	NORTH	324'	EAST	LEA

¹² Dedicated Acres 320.05	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 MADDUX
Printed Name

kay_maddox@eogresources.com
E-mail Address

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~~

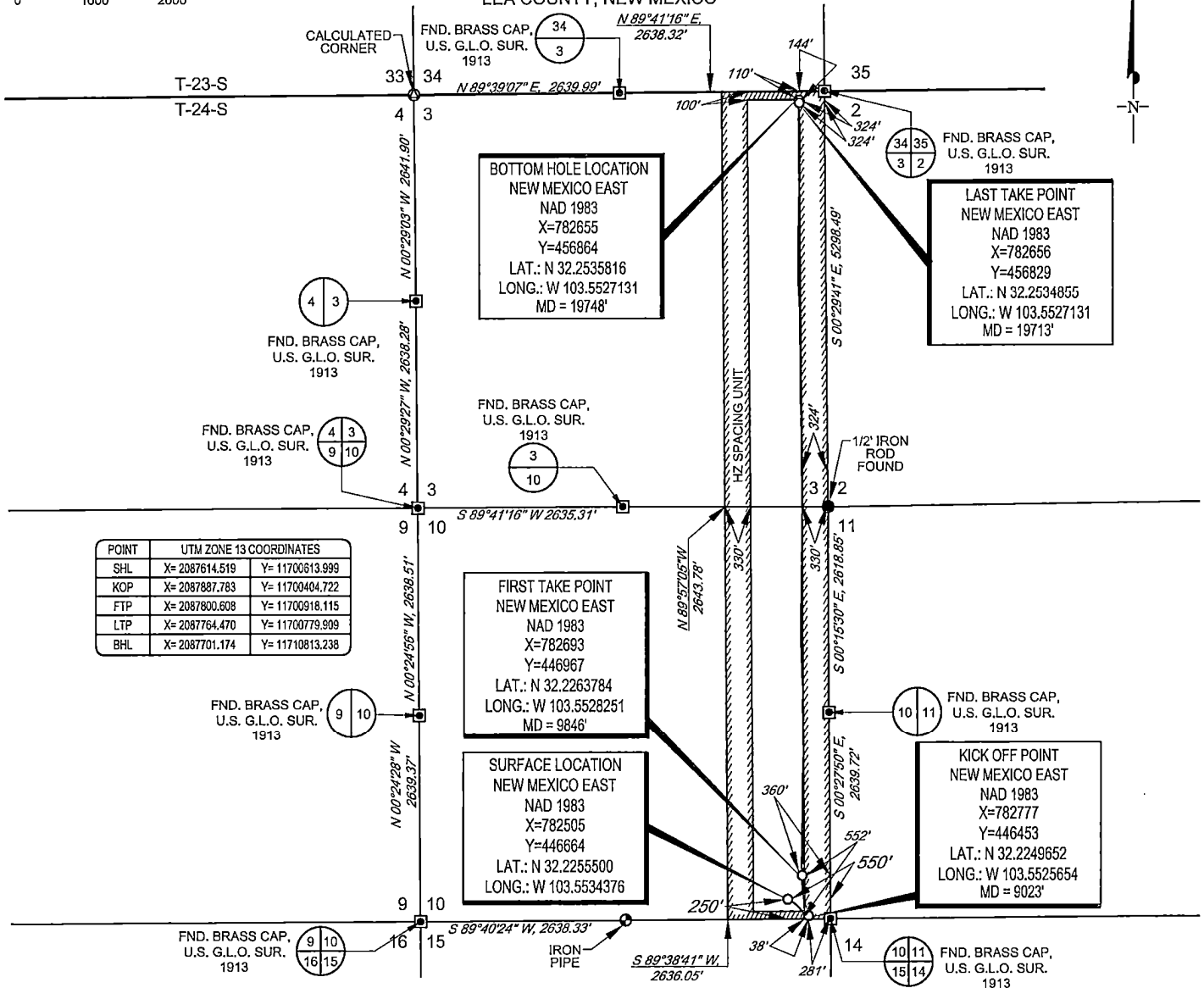
Date of Survey _____
Signature and Seal of Professional Surveyor _____

Certificate Number

SCALE: 1" = 2000'

0' 1000' 2000'

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



POINT	UTM ZONE 13 COORDINATES
SHL	X=2087614.519 Y=11700813.999
KOP	X=2087887.783 Y=11700404.722
FTP	X=2087800.608 Y=11700918.115
LTP	X=2087764.470 Y=11700779.909
BHL	X=2087701.174 Y=11710813.238

LEASE NAME & WELL NO.: NEPTUNE 10 STATE COM #206H
SECTION 10 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3608'
DESCRIPTION 250' FSL & 550' FEL



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
AUGUST 6, 2020

NEPTUNE 10 STATE COM #206H AS-COMplete	REVISION:	
	INT	DATE
DATE: 08/04/2020		
FILE:AD_NEPTUNE_10_STATE_COM_206H		
DRAWN BY: A.V.F.		
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 ☒ XXXAPI #
30-025-44469Operator Name:
EOG RESOURCES, INCProperty Name:
NEPTUNE 10 STATE COMWell Number
206H

Kick Off Point (KOP)

UL P	Section 10	Township 24S	Range 33E	Lot	Feet 38	From N/S SOUTH	Feet 281	From E/W EAST	County LEA
Latitude 32.2249652					Longitude 103.5525654			NAD 1983	

First Take Point (FTP)

UL P	Section 10	Township 24S	Range 33E	Lot	Feet 552	From N/S SOUTH	Feet 360	From E/W EAST	County LEA
Latitude 32.2263784					Longitude 103.5528251			NAD 1983	

Last Take Point (LTP)

UL A	Section 3	Township 24S	Range 33E	Lot	Feet 144	From N/S NORTH	Feet 324	From E/W EAST	County LEA
Latitude 32.2534855					Longitude 103.5527131			NAD 1983	

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

☐ NO

Is this well an infill well?

☐ YES

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

API #
30-025-46735Operator Name:
EOG RESOURCES, INCProperty Name:
NEPTUNE 10 STATE COMWell Number
#205H

KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Neptune 10 State Com

#206H

OH

Design: OH

Midland PVA

06 April, 2020



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #206H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	MD Reference:	KB = 25 @ 3631.0usft
Well:	#206H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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

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

Well	#206H					
Well Position	+N-S	0.0 usft	Northing:	446,664.00 usft	Latitude:	32° 13' 31.978 N
	+E-W	0.0 usft	Easting:	782,505.00 usft	Longitude:	103° 33' 12.380 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,606.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/24/2020	6.64	60.03	47,654.84738453

Design					OH						
Audit Notes:											
Version:		1.0		Phase:		ACTUAL		Tie On Depth:		0.0	
Vertical Section:		Depth From (TVD)		+N-S		+E-W		Direction			
		(usft)		(usft)		(usft)		(°)			
		0.0		0.0		0.0		0.81			

Survey Program	Date: 4/6/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
141.0	19,748.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1



EOG Resources
Midland PVA

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Site:	Neptune 10 State Com	MD Reference:	KB = 25 @ 3631.0usft
Well:	#206H	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)			
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
141.0	0.44	325.67	141.0	0.4	-0.3	0.31	0.31	0.00	-0.5	0.0			
315.0	0.44	82.65	315.0	1.1	0.0	0.43	0.00	67.23	-0.1	1.1			
401.0	0.97	88.19	401.0	1.1	1.0	0.62	0.62	6.44	-1.1	1.1			
487.0	1.06	87.84	487.0	1.2	2.6	0.10	0.10	-0.41	-2.6	1.1			
575.0	1.23	100.76	575.0	1.1	4.3	0.35	0.19	14.68	-4.0	1.8			
672.0	1.32	106.65	671.9	0.5	6.4	0.16	0.09	6.07	-6.0	2.4			
766.0	1.23	112.80	765.9	-0.2	8.4	0.17	-0.10	6.54	-7.8	3.1			
860.0	1.49	117.11	859.9	-1.1	10.4	0.30	0.28	4.59	-9.7	3.7			
955.0	1.32	116.49	954.9	-2.2	12.5	0.18	-0.18	-0.65	-12.1	3.6			
1,049.0	1.32	93.38	1,048.8	-2.7	14.5	0.56	0.00	-24.59	-14.6	-1.8			
1,143.0	0.97	89.07	1,142.8	-2.8	16.4	0.38	-0.37	-4.59	-16.3	-3.0			
1,237.0	0.79	82.92	1,236.8	-2.7	17.8	0.22	-0.19	-6.54	-17.4	-4.8			
1,331.0	0.79	117.63	1,330.8	-2.9	19.0	0.50	0.00	36.93	-18.2	6.3			
1,419.0	0.62	103.66	1,418.8	-3.3	20.0	0.27	-0.19	-15.87	-20.2	1.5			
1,507.0	0.88	83.27	1,506.8	-3.3	21.2	0.42	0.30	-23.17	-20.6	-5.8			
1,601.0	2.11	109.37	1,600.7	-3.8	23.5	1.46	1.31	27.77	-21.8	4.9			
1,695.0	3.96	124.93	1,694.6	-6.2	27.8	2.14	1.97	16.55	-19.8	11.6			
1,789.0	3.61	125.54	1,788.4	-9.8	32.9	0.37	-0.37	0.65	-18.7	12.6			
1,883.0	3.87	125.10	1,882.2	-13.4	37.9	0.28	0.28	-0.47	-17.6	13.3			
1,977.0	4.04	125.19	1,976.0	-17.1	43.2	0.18	0.18	0.10	-16.7	14.2			
2,071.0	3.43	124.49	2,069.8	-20.6	48.2	0.65	-0.65	-0.74	-15.7	14.9			
2,166.0	3.87	123.70	2,164.6	-24.0	53.2	0.47	0.46	-0.83	-14.6	15.7			
2,260.0	4.48	123.17	2,258.3	-27.7	58.9	0.65	0.65	-0.56	-14.2	16.6			
2,355.0	4.13	120.97	2,353.1	-31.5	65.0	0.41	-0.37	-2.32	-14.7	17.3			
2,449.0	4.04	124.22	2,446.8	-35.1	70.6	0.26	-0.10	3.46	-13.1	19.2			
2,543.0	4.22	127.74	2,540.6	-39.1	76.1	0.33	0.19	3.74	-11.3	20.7			



EOG Resources
Midland PVA

Company:	EOG Resources - Midland					Local Co-ordinate Reference:		Well #206H		
Project:	Lea County, NM (NAD 83 NME)					TVD Reference:		KB = 25 @ 3631.0usft		
Site:	Neptune 10 State Com					MD Reference:		KB = 25 @ 3631.0usft		
Well:	#206H					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)
2,638.0	3.87	129.32	2,635.4	-43.3	81.3	0.39	-0.37	1.66	-10.0	21.4
2,732.0	3.52	127.39	2,729.2	-47.1	86.1	0.40	-0.37	-2.05	-9.4	21.5
2,826.0	3.96	129.06	2,823.0	-50.8	90.9	0.48	0.47	1.78	-7.5	22.2
2,920.0	4.66	127.83	2,916.7	-55.2	96.4	0.75	0.74	-1.31	-7.7	22.5
3,014.0	4.22	127.39	3,010.4	-59.7	102.2	0.47	-0.47	-0.47	-7.8	23.0
3,108.0	3.78	128.53	3,104.2	-63.7	107.4	0.48	-0.47	1.21	-6.5	23.6
3,203.0	4.22	126.07	3,198.9	-67.7	112.6	0.50	0.46	-2.59	-6.8	23.9
3,297.0	4.48	126.42	3,292.7	-71.9	118.4	0.28	0.28	0.37	-6.4	24.0
3,391.0	4.57	136.00	3,386.4	-76.8	123.9	0.81	0.10	10.19	-2.2	25.4
3,486.0	4.66	142.59	3,481.1	-82.6	128.9	0.57	0.09	6.94	0.4	24.5
3,580.0	4.13	139.08	3,574.8	-88.2	133.5	0.63	-0.56	-3.73	-1.0	23.3
3,674.0	3.61	137.50	3,668.6	-92.9	137.7	0.56	-0.55	-1.68	-0.7	22.5
3,769.0	4.04	136.35	3,763.4	-97.6	142.0	0.46	0.45	-1.21	0.0	21.8
3,863.0	4.31	137.85	3,857.1	-102.6	146.7	0.31	0.29	1.60	1.0	21.1
3,957.0	3.69	140.05	3,950.9	-107.5	151.0	0.68	-0.66	2.34	2.6	20.1
4,052.0	4.40	135.91	4,045.7	-112.5	155.5	0.81	0.75	-4.36	1.9	19.5
4,146.0	4.92	133.37	4,139.3	-117.8	160.9	0.60	0.55	-2.70	0.7	19.2
4,241.0	4.40	136.35	4,234.0	-123.3	166.4	0.60	-0.55	3.14	1.4	18.7
4,335.0	3.61	135.48	4,327.8	-128.0	170.9	0.84	-0.84	-0.93	1.9	18.2
4,429.0	4.13	129.50	4,421.6	-132.2	175.6	0.70	0.55	-6.36	1.1	18.3
4,523.0	5.98	125.19	4,515.2	-137.2	182.3	2.01	1.97	-4.59	-1.2	18.9
4,618.0	6.16	125.54	4,609.7	-143.0	190.4	0.19	0.19	0.37	-3.8	19.7
4,712.0	5.36	126.77	4,703.2	-148.6	198.1	0.86	-0.85	1.31	-5.5	20.5
4,806.0	5.54	127.92	4,796.8	-154.0	205.2	0.22	0.19	1.22	-6.6	21.2
4,901.0	5.72	127.65	4,891.3	-159.7	212.5	0.19	0.19	-0.28	-8.6	21.7
4,995.0	5.89	127.19	4,984.8	-165.5	220.1	0.19	0.18	-0.49	-11.0	22.2
5,077.0	5.19	128.09	5,066.5	-170.3	226.3	0.86	-0.85	1.10	-12.1	22.8



EOG Resources
Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Neptune 10 State Com
Well:	#206H
Wellbore:	OH
Design:	OH

Local Co-ordinate Reference:	Well #206H
TVD Reference:	KB = 25 @ 3631.0ush
MD Reference:	KB = 25 @ 3631.0ush
North Reference:	Gnd
Survey Calculation Method:	Minimum Curvature
Database:	EDM

MD	Inc	Azi (azimuth)	TVD	N/S	EW	Dleg	Build	Turn	High to Plan	Right to Plan
(ustf)	(°)	(°)	(ustf)	(ustf)	(ustf)	(/100ustf)	(/100ustf)	(/100ustf)	(ustf)	(ustf)
5,185.0	4.04	129.23	5,174.1	-175.7	233.1	1.07	-1.08	1.06	-11.9	23.5
5,279.0	3.81	128.44	5,267.9	-179.7	238.0	0.46	-0.46	-0.84	-11.1	23.7
5,373.0	3.78	127.21	5,361.7	-183.4	242.8	0.20	-0.18	-1.31	-11.4	23.9
5,467.0	2.99	122.29	5,455.5	-186.6	247.3	0.89	-0.84	-5.23	-15.8	23.1
5,562.0	1.93	98.65	5,550.5	-188.1	251.0	1.52	-1.12	-24.88	-27.2	14.1
5,656.0	1.58	105.77	5,644.4	-188.7	253.8	0.44	-0.37	7.57	-28.1	17.6
5,750.0	0.18	33.61	5,738.4	-189.0	255.2	1.63	-1.49	-76.77	-25.9	-22.6
5,845.0	0.26	39.76	5,833.4	-188.7	255.4	0.09	0.08	6.47	-28.5	-19.7
5,939.0	0.44	27.90	5,927.4	-188.2	256.7	0.21	0.10	-12.62	-24.4	-26.2
6,033.0	0.44	23.94	6,021.4	-187.5	258.0	0.03	0.00	-4.21	-23.4	-26.8
6,127.0	0.44	29.04	6,115.4	-188.9	258.3	0.04	0.00	5.43	-26.4	-24.6
6,222.0	0.53	27.02	6,210.4	-188.2	258.7	0.10	0.09	-2.13	-26.3	-25.5
6,316.0	0.53	24.47	6,304.4	-185.4	257.1	0.03	0.00	-2.71	-26.0	-26.7
6,411.0	0.53	20.95	6,399.4	-184.6	257.4	0.03	0.00	-3.71	-25.2	-28.3
6,505.0	0.53	21.57	6,493.4	-183.8	257.7	0.01	0.00	0.66	-26.4	-28.0
6,599.0	0.62	21.74	6,587.4	-182.9	258.1	0.10	0.10	0.18	-27.4	-27.9
6,693.0	0.62	22.27	6,681.4	-182.0	258.5	0.01	0.00	0.56	-28.7	-27.7
6,788.0	0.70	15.94	6,776.4	-180.9	258.8	0.11	0.08	-6.66	-26.5	-30.7
6,882.0	0.62	13.92	6,870.4	-179.9	259.1	0.09	-0.09	-2.15	-26.5	-31.7
6,977.0	0.70	21.83	6,965.3	-178.8	259.4	0.13	0.08	8.33	-31.7	-27.6
7,070.0	0.62	21.22	7,058.3	-177.8	259.8	0.09	-0.09	-0.66	-32.5	-28.0
7,165.0	0.26	229.69	7,153.3	-177.5	259.9	0.90	-0.38	-159.51	42.1	8.9
7,259.0	0.62	223.54	7,247.3	-178.0	259.3	0.39	0.38	-6.54	40.2	13.3
7,353.0	0.70	214.05	7,341.3	-178.9	258.7	0.14	0.09	-10.10	36.4	19.7
7,447.0	0.79	211.50	7,435.3	-179.9	258.0	0.10	0.10	-2.71	34.3	21.2
7,542.0	0.79	208.07	7,530.3	-181.0	257.4	0.05	0.00	-3.61	31.6	23.2



EOG Resources
Midland PVA

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Well:	#206H	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)	
7,558.0	0.78	203.97	7,546.3	-181.2	257.3	0.36	-0.06	-25.56	29.7	25.4	
Brushy Top (Neptune 10 St Com #206H)											
7,636.0	0.79	183.64	7,624.3	-182.2	257.0	0.36	0.01	-26.08	18.0	33.9	
7,730.0	0.97	174.67	7,718.3	-183.7	257.0	0.24	0.19	-9.54	11.0	36.2	
7,825.0	0.88	166.32	7,813.3	-185.2	257.3	0.17	-0.09	-8.79	4.1	37.3	
7,919.0	1.06	163.69	7,907.3	-186.7	257.7	0.20	0.19	-2.80	0.8	37.4	
8,013.0	1.23	154.64	8,001.2	-188.5	258.4	0.26	0.18	-9.63	-7.0	37.0	
8,106.0	1.32	153.32	8,094.2	-190.3	259.3	0.10	0.10	-1.42	-9.9	36.8	
8,201.0	1.49	158.15	8,189.2	-192.5	260.2	0.22	0.18	5.08	-9.1	37.6	
8,295.0	1.58	151.73	8,283.2	-194.7	261.3	0.21	0.10	-8.83	-15.7	36.2	
8,389.0	1.85	150.33	8,377.1	-197.2	262.7	0.29	0.29	-1.49	-19.4	35.8	
8,483.0	1.58	140.48	8,471.1	-199.5	264.3	0.42	-0.29	-10.48	-28.0	31.6	
8,578.0	1.49	139.17	8,566.0	-201.5	265.9	0.10	-0.09	-1.38	-31.3	31.0	
8,672.0	1.58	142.95	8,660.0	-203.4	267.5	0.14	0.10	4.02	-31.7	33.0	
8,766.0	1.58	147.60	8,754.0	-205.5	268.9	0.14	0.00	4.95	-31.5	35.6	
8,860.0	1.32	155.51	8,847.9	-207.6	270.1	0.35	-0.28	8.41	-28.7	39.8	
8,955.0	1.49	162.37	8,942.9	-209.8	270.9	0.25	0.18	7.22	-26.0	43.1	
8,997.0	1.41	161.05	8,984.9	-210.8	271.3	0.21	-0.19	-3.14	-28.1	42.4	
9,023.0	2.12	346.14	9,010.9	-210.6	271.2	13.56	2.73	-672.74	24.1	-44.8	
KOP, MD:9023.0', TVD:9010.9', N/S:-210.6', E/W:271.2', INC:2.12											
9,091.0	11.34	344.48	9,078.4	-203.0	269.1	13.56	13.56	-2.44	19.3	-43.6	
9,185.0	23.13	340.79	9,168.0	-176.5	260.6	12.59	12.54	-3.93	8.0	-38.1	
9,253.6	29.22	340.38	9,229.5	-148.0	250.5	8.89	8.88	-0.60	-3.4	-31.2	
FTP Crossing, MD:9253.6', TVD:9229.5', N/S:-148.0', E/W:250.5', INC:29.22											
9,279.0	31.48	340.26	9,251.4	-135.9	246.2	8.89	8.88	-0.46	-7.5	-28.0	
9,374.0	38.60	344.65	9,329.2	-83.9	229.9	7.95	7.49	4.62	-21.6	-13.7	
9,468.0	46.08	351.86	9,398.6	-22.0	217.4	9.48	7.96	7.67	-30.1	0.4	



EOG Resources
Midland PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference: Well #206H	
Project: Lea County, NM (NAD 83 NME)		TVD Reference: KB = 25 @ 3631.0usft	
Site: Neptune 10 State Com		MD Reference: KB = 25 @ 3631.0usft	
Well: #206H		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)	
9,503.2	48.77	352.80	9,422.4	3.7	213.9	7.90	7.65	2.67	-31.7	4.0	
FTP (Neptune 10 St Com #206H)											
9,562.0	53.29	354.21	9,459.4	49.1	208.7	7.90	7.68	2.40	-33.0	9.6	
9,658.0	60.76	352.72	9,510.6	127.4	199.7	8.06	7.95	-1.59	-31.8	18.0	
9,750.0	67.01	355.27	9,551.9	211.3	191.0	7.08	6.65	2.71	-24.8	27.4	
9,844.0	75.27	359.84	9,582.3	300.0	187.3	9.92	8.79	4.88	-13.5	31.1	
9,939.0	88.02	357.99	9,598.1	393.8	185.5	13.56	13.42	-1.95	-4.6	32.2	
10,033.0	89.08	0.98	9,598.4	487.8	184.6	3.37	1.13	3.18	0.9	32.3	
10,127.0	88.64	0.19	9,600.3	581.8	185.6	0.96	-0.47	-0.84	5.9	30.7	
10,222.0	90.31	359.66	9,601.2	676.7	185.4	1.84	1.76	-0.56	9.9	30.1	
10,316.0	89.43	0.98	9,601.4	770.7	186.0	1.69	-0.94	1.40	13.2	28.9	
10,410.0	88.46	1.86	9,603.1	864.7	188.3	1.39	-1.03	0.94	18.0	25.8	
10,505.0	87.85	0.89	9,606.2	959.6	190.6	1.21	-0.64	-1.02	24.2	22.9	
10,599.0	87.76	0.54	9,609.8	1,053.5	191.8	0.38	-0.10	-0.37	30.9	21.0	
10,693.0	89.34	0.37	9,612.2	1,147.5	192.5	1.69	1.68	-0.18	36.4	19.6	
10,787.0	90.04	0.10	9,612.7	1,241.5	192.9	0.80	0.74	-0.29	40.0	18.5	
10,881.0	90.57	359.93	9,612.2	1,335.5	192.9	0.59	0.56	-0.18	42.6	17.7	
10,975.0	91.80	0.02	9,610.2	1,429.5	192.9	1.31	1.31	0.10	43.8	17.1	
11,070.0	89.16	1.07	9,609.4	1,524.5	193.8	2.99	-2.78	1.11	46.1	15.5	
11,138.4	89.23	1.71	9,610.4	1,592.9	195.4	0.94	0.10	0.94	49.4	13.4	
TGT#1 (Neptune 10 St Com #206H)											
11,164.0	89.25	1.95	9,610.7	1,618.4	196.2	0.94	0.10	0.94	50.4	12.3	
11,258.0	89.25	2.65	9,612.0	1,712.3	200.0	0.74	0.00	0.74	52.5	7.8	
11,352.0	89.34	1.25	9,613.1	1,806.3	203.2	1.49	0.10	-1.49	53.5	3.9	
11,446.0	90.04	0.02	9,613.6	1,900.3	204.3	1.51	0.74	-1.31	53.8	2.2	
11,541.0	90.75	359.75	9,613.0	1,995.3	204.1	0.80	0.75	-0.28	53.0	1.7	
11,635.0	91.54	359.31	9,611.1	2,089.2	203.3	0.96	0.84	-0.47	50.9	1.8	



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #206H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	MD Reference:	KB = 25 @ 3631.0usft
Well:	#206H	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)		
11,729.0	91.36	359.40	9,608.7	2,183.2	202.2	0.21	-0.19	0.10	48.4	2.1		
11,823.0	91.01	359.49	9,606.8	2,277.2	201.3	0.38	-0.37	0.10	46.2	2.3		
11,917.0	91.80	359.49	9,604.5	2,371.1	200.5	0.84	0.84	0.00	43.8	2.5		
12,012.0	92.86	359.93	9,600.6	2,466.1	200.0	1.21	1.12	0.46	39.7	2.3		
12,061.6	91.79	359.70	9,598.6	2,515.6	199.9	2.20	-2.15	-0.47	37.6	2.1		
TGT#2(Neptune 10 St Com #206H)												
12,106.0	90.84	359.49	9,597.6	2,560.0	199.5	2.20	-2.15	-0.47	36.2	2.0		
12,200.0	90.57	359.14	9,596.4	2,654.0	198.4	0.47	-0.29	-0.37	34.2	2.5		
12,294.0	90.04	358.17	9,595.9	2,748.0	196.2	1.18	-0.56	-1.03	32.9	4.0		
12,389.0	88.81	356.15	9,596.9	2,842.8	191.5	2.49	-1.29	-2.13	33.0	8.0		
12,482.0	90.13	358.35	9,597.7	2,935.7	187.0	2.76	1.42	2.37	33.0	11.8		
12,576.0	89.52	357.64	9,598.0	3,029.7	183.8	1.00	-0.65	-0.76	32.4	14.3		
12,670.0	88.64	356.32	9,599.5	3,123.5	178.8	1.69	-0.94	-1.40	33.1	18.6		
12,765.0	92.15	359.58	9,598.9	3,218.4	175.4	5.04	3.69	3.43	31.5	21.3		
12,859.0	91.63	359.49	9,595.8	3,312.4	174.6	0.56	-0.55	-0.10	27.6	21.4		
12,952.0	91.80	359.05	9,593.0	3,405.3	173.5	0.51	0.18	-0.47	24.0	21.9		
13,047.0	89.43	0.37	9,592.0	3,500.3	173.0	2.86	-2.49	1.39	22.1	21.6		
13,141.0	89.16	0.45	9,593.1	3,594.3	173.6	0.30	-0.29	0.09	22.4	20.3		
13,235.0	88.81	0.54	9,594.8	3,688.3	174.5	0.38	-0.37	0.10	23.2	18.8		
13,330.0	89.69	0.89	9,596.0	3,783.3	175.6	1.00	0.93	0.37	23.6	16.9		
13,424.0	89.34	1.42	9,596.8	3,877.2	177.5	0.68	-0.37	0.56	23.5	14.3		
13,518.0	90.40	0.89	9,597.1	3,971.2	179.4	1.26	1.13	-0.56	22.9	11.7		
13,612.0	89.34	0.28	9,597.3	4,065.2	180.4	1.30	-1.13	-0.65	22.2	10.0		
13,706.0	90.48	1.25	9,597.4	4,159.2	181.6	1.59	1.21	1.03	21.5	8.1		
13,800.0	89.34	0.98	9,597.6	4,253.2	183.5	1.25	-1.21	-0.29	20.8	5.6		
13,895.0	89.96	1.07	9,598.1	4,348.2	185.2	0.66	0.65	0.09	20.5	3.1		
13,989.0	91.28	0.19	9,597.1	4,442.1	186.2	1.69	1.40	-0.94	18.6	1.4		



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #206H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	MD Reference:	KB = 25 @ 3631.0usft
Well:	#206H	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)	
14,083.0	91.80	0.02	9,594.6	4,536.1	186.4	0.58	0.55	-0.18	15.3	0.6	
14,177.0	92.68	0.10	9,590.9	4,630.0	186.5	0.94	0.94	0.09	10.7	-0.2	
14,272.0	91.28	0.45	9,587.6	4,725.0	186.9	1.52	-1.47	0.37	6.6	-1.4	
14,366.0	92.24	0.89	9,584.8	4,818.9	188.0	1.12	1.02	0.47	2.8	-3.2	
14,461.0	91.80	0.10	9,581.4	4,913.9	188.9	0.95	-0.46	-0.83	-1.4	-4.7	
14,555.0	91.54	0.02	9,578.7	5,007.8	189.0	0.29	-0.28	-0.09	-5.0	-5.5	
14,650.0	92.15	0.37	9,575.6	5,102.8	189.3	0.74	0.64	0.37	-8.9	-6.5	
14,744.0	90.31	0.72	9,573.6	5,196.7	190.2	1.99	-1.96	0.37	-11.8	-8.1	
14,837.0	90.04	0.63	9,573.3	5,289.7	191.3	0.31	-0.29	-0.10	-12.9	-9.9	
14,932.0	90.13	359.93	9,573.2	5,384.7	191.7	0.74	0.09	-0.74	-13.9	-11.1	
15,026.0	89.78	359.40	9,573.2	5,478.7	191.2	0.68	-0.37	-0.56	-14.7	-11.2	
15,120.0	89.60	359.40	9,573.7	5,572.7	190.2	0.19	-0.19	0.00	-15.0	-10.9	
15,214.0	90.22	359.49	9,573.9	5,666.7	189.3	0.67	0.66	0.10	-15.7	-10.7	
15,309.0	89.60	358.79	9,574.0	5,761.7	187.9	0.98	-0.65	-0.74	-16.4	-10.0	
15,403.0	89.16	358.79	9,575.1	5,855.7	185.9	0.47	-0.47	0.00	-16.3	-8.7	
15,498.0	89.16	358.70	9,576.5	5,950.6	183.8	0.09	0.00	-0.09	-15.8	-7.3	
15,592.0	87.76	357.99	9,579.0	6,044.6	181.1	1.67	-1.49	-0.76	-14.1	-5.3	
15,686.0	89.78	358.43	9,581.0	6,138.5	178.1	2.20	2.15	0.47	-12.9	-3.1	
15,781.0	89.69	358.26	9,581.4	6,233.4	175.4	0.20	-0.09	-0.18	-13.4	-1.0	
15,875.0	89.87	358.35	9,581.8	6,327.4	172.6	0.21	0.19	0.10	-13.8	1.0	
15,969.0	89.52	358.43	9,582.3	6,421.4	170.0	0.38	-0.37	0.09	-14.2	3.0	
16,064.0	90.22	359.05	9,582.5	6,516.3	167.9	0.98	0.74	0.65	-14.9	4.4	
16,134.1	88.58	0.10	9,583.2	6,586.4	167.4	2.78	-2.34	1.50	-14.8	4.4	
TGT#3(Neptune 10 St Com #206H)											
16,158.0	88.02	0.46	9,584.0	6,610.3	167.5	2.78	-2.34	1.50	-14.2	4.1	
16,253.0	88.20	0.38	9,587.1	6,705.3	168.2	0.21	0.19	-0.08	-11.4	2.7	
16,347.0	87.67	359.67	9,590.5	6,799.2	168.2	0.94	-0.56	-0.76	-8.4	2.0	



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #206H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	MD Reference:	KB = 25 @ 3631.0usft
Well:	#206H	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)	
16,441.0	87.85	359.23	9,594.2	6,893.1	167.3	0.51	0.19	-0.47	-5.1	2.2	
16,535.0	88.02	359.76	9,597.5	6,987.1	166.5	0.59	0.18	0.56	-2.1	2.3	
16,630.0	88.72	359.32	9,600.2	7,082.0	165.7	0.87	0.74	-0.46	0.2	2.3	
16,724.0	88.29	359.23	9,602.7	7,176.0	164.5	0.47	-0.46	-0.10	2.3	2.8	
16,819.0	88.81	359.15	9,605.1	7,270.9	163.2	0.55	0.55	-0.08	4.3	3.5	
16,913.0	91.19	359.15	9,605.1	7,364.9	161.8	2.53	2.53	0.00	3.9	4.2	
17,008.0	90.92	358.00	9,603.3	7,459.9	159.4	1.24	-0.28	-1.21	1.8	5.8	
17,102.0	91.01	358.00	9,601.8	7,553.8	158.2	0.10	0.10	0.00	-0.1	8.4	
17,196.0	90.75	357.83	9,600.3	7,647.7	152.7	0.33	-0.28	-0.18	-2.0	11.1	
17,291.0	90.84	356.77	9,599.0	7,742.6	148.3	1.12	0.09	-1.12	-3.7	14.9	
17,385.0	89.96	358.44	9,598.3	7,836.5	144.3	2.01	-0.94	1.78	-4.7	18.2	
17,479.0	90.22	358.62	9,598.2	7,930.5	141.9	0.34	0.28	0.19	-5.2	19.9	
17,574.0	90.84	359.32	9,597.3	8,025.5	140.2	0.98	0.65	0.74	-6.5	20.9	
17,669.0	87.85	0.29	9,598.4	8,120.5	139.9	3.31	-3.15	1.02	-5.8	20.5	
17,763.0	87.58	359.85	9,602.2	8,214.4	140.0	0.55	-0.29	-0.47	-2.4	19.7	
17,857.0	87.05	0.29	9,606.6	8,308.3	140.1	0.73	-0.56	0.47	1.6	18.9	
17,951.0	87.93	0.38	9,610.7	8,402.2	140.7	0.94	0.94	0.10	5.4	17.6	
18,046.0	89.69	0.82	9,612.6	8,497.2	141.7	1.91	1.85	0.46	6.9	15.9	
18,140.0	89.52	0.73	9,613.3	8,591.1	142.9	0.20	-0.18	-0.10	7.2	14.0	
18,233.0	88.46	1.08	9,614.9	8,684.1	144.4	1.20	-1.14	0.38	8.5	11.8	
18,328.0	88.11	0.82	9,617.8	8,779.1	146.0	0.46	-0.37	-0.27	10.9	9.5	
18,422.0	87.85	1.08	9,621.1	8,873.0	147.5	0.39	-0.28	0.28	13.9	7.3	
18,516.0	87.76	1.08	9,624.7	8,966.9	149.3	0.10	-0.10	0.00	17.1	4.8	
18,610.0	87.85	0.90	9,628.3	9,060.8	150.9	0.21	0.10	-0.19	20.3	2.5	
18,619.3	87.94	0.94	9,628.6	9,070.1	151.1	0.99	0.92	0.38	20.6	2.3	
TG T44(Neptune 10 St Com #206H)											
18,705.0	88.72	1.26	9,631.1	9,155.8	152.7	0.99	0.92	0.38	21.9	0.0	



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #206H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	MD Reference:	KB = 25 @ 3631.0usft
Well:	#206H	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)
18,799.0	89.87	0.29	9,632.3	9,249.7	154.0	1.60	1.22	-1.03	21.3	-2.0
18,893.0	90.66	0.11	9,631.9	9,343.7	154.3	0.86	0.84	-0.19	19.2	-3.0
18,987.0	91.89	359.85	9,629.8	9,437.7	154.3	1.34	1.31	-0.28	15.4	-3.7
19,081.0	92.86	359.59	9,625.9	9,531.6	153.8	1.07	1.03	-0.28	9.9	-3.9
19,175.0	91.36	359.50	9,622.4	9,625.6	153.1	1.60	-1.60	-0.10	4.7	-3.8
19,269.0	91.71	359.50	9,619.9	9,719.5	152.3	0.37	0.37	0.00	0.5	-3.7
19,363.0	89.96	0.38	9,618.5	9,813.5	152.2	2.08	-1.86	0.94	-2.5	-4.3
19,457.0	88.46	359.50	9,619.8	9,907.5	152.1	1.85	-1.60	-0.94	-2.9	-4.9
19,552.0	87.76	359.59	9,623.0	10,002.4	151.3	0.74	-0.74	0.09	-1.5	-4.9
Last MWD Survey (MD=19552.0')										
19,748.0	87.76	359.59	9,630.6	10,198.3	149.9	0.00	0.00	0.00	2.6	-4.9
Projection to Bit (MD=19748.0') - PBHL (Neptune 10 St Com #206H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,023.0	9,010.9	-210.6	271.2	KOP, MD:9023.0', TVD:9010.9', N/S:-210.6', E/W:271.2', INC:2.12
9,253.6	9,229.5	-148.0	250.5	FTP Crossing, MD:9253.6', TVD:9229.5', N/S:-148.0', E/W:250.5', INC:29.22
19,552.0	9,623.0	10,002.4	151.3	Last MWD Survey (MD=19552.0')
19,748.0	9,630.6	10,198.3	149.9	Projection to Bit (MD=19748.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 11/18/2020

Signed

Date



Lea County, NM (NAD 83 NME)

Neptune 10 State Com

#206H

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level



Azinuths to Grid North
True North: -0.42°
Magnetic North: 6.23°

Magnetic Field
Strength: 47854.8nT
Dip Angle: 68.03°
Date: 3/24/2028
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 0.23°
To convert a Magnetic Direction to a True Direction, Add 6.64° East
To convert a True Direction to a Grid Direction, Subtract 5.42°

WELL DETAILS: #206H

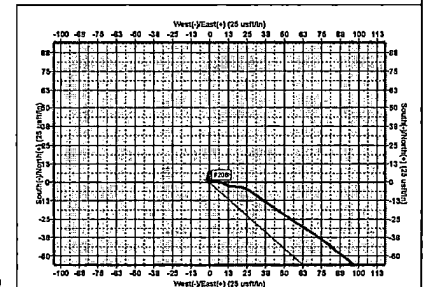
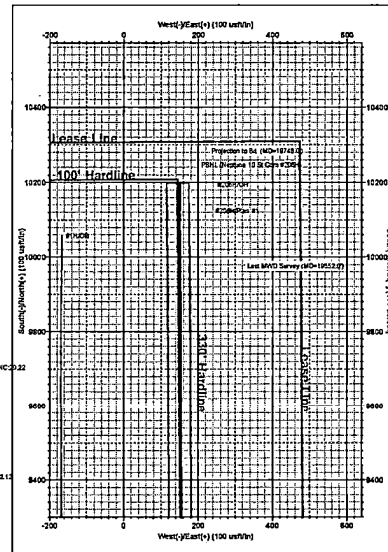
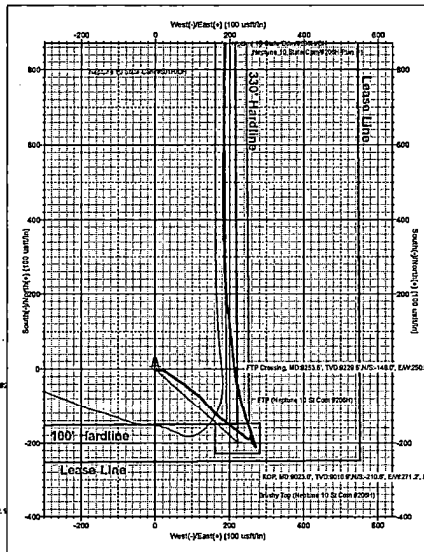
KB = 25 @ 3637.0m
3506.0
+N-S 0.0 +E-W 0.0 Northing 446664.00 Easting 782505.00 Longitude 103° 33' 12.380 W Slot

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1724.8	4.50	131.73	1724.6	-5.9	6.6	2.00	131.73	-5.8	
4	5294.6	4.50	131.73	5293.4	-192.1	215.4	0.00	0.00	-189.1	
5	5519.4	0.00	0.00	5508.0	-198.0	222.0	2.00	180.00	-194.8	
6	9039.4	0.00	0.00	9028.0	-198.0	222.0	0.00	0.00	-194.8	
7	9858.4	91.89	359.58	9600.6	361.9	217.6	10.00	359.58	396.9	TGT#1(Neptune 10 St Com #206H)
8	11158.4	91.89	359.58	9651.0	1593.2	202.7	0.00	0.00	1595.0	
9	11258.5	89.89	359.58	9555.4	1893.3	208.0	0.00	-180.00	1895.1	
10	12078.6	89.89	359.58	9561.0	2514.4	201.9	0.00	0.00	2517.0	TGT#2(Neptune 10 St Com #206H)
11	12100.3	89.48	359.58	9561.1	2535.0	201.8	2.00	180.00	2537.7	
12	16151.7	89.48	359.58	9598.0	8586.2	171.8	0.00	0.00	8589.0	TGT#3(Neptune 10 St Com #206H)
13	16166.3	89.77	359.58	9599.1	6000.8	171.5	2.00	0.00	6002.6	
14	18635.3	89.77	359.58	9608.0	9070.7	153.4	0.00	0.00	9072.0	TGT#4(Neptune 10 St Com #206H)
15	18676.3	88.97	359.58	9608.4	9110.7	153.1	2.00	-180.00	9111.9	
16	19764.8	88.97	359.58	9628.0	10199.0	145.0	0.00	0.00	10200.0	PBHL (Neptune 10 St Com #206H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
Brushy Top (Neptune 10 St Com #206H)	7648.0	-199.0	222.0	446455.00	782727.00	Polygon
TGT#1(Neptune 10 St Com #206H)	9601.0	1593.2	202.7	446297.20	782713.73	Point
TGT#2(Neptune 10 St Com #206H)	9561.0	2514.4	201.9	446176.40	782705.31	Point
TGT#3(Neptune 10 St Com #206H)	9598.0	8586.2	171.8	453250.20	782676.76	Point
FTP (Neptune 10 St Com #206H)	9601.0	-145.0	222.0	446516.00	782727.00	Point
TGT#4(Neptune 10 St Com #206H)	9601.0	1593.4	201.9	455734.70	782658.36	Point
PBHL (Neptune 10 St Com #206H)	9628.0	10199.0	145.0	455883.00	782650.00	Rectangle (Sides: L0.0 W60.0)



Vertical Section at 0.81° (100 units)