Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-44469

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. 313956

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: NEPTUNE 10 STATE COM

1. Type of Well: Oil Well [X] Gas Well [ ] Other

8. Well Number 712H

2. Name of Operator: EOG Resources

9. OGRID Number 7377

3. Address of Operator: PO BOX 2267, MIDLAND, TX 79702

10. Pool name or Wildcat: 98135 WC-025 G-09 S243310P; UPPER WOLFCAMP

4. Well Location
Unit Letter P : 250 feet from the SOUTH line and 550 feet from the EAST line
Section 10 Township 24S Range 33E NMPM County LEA CO, NM

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3607 GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[X]	COMMENCE DRILLING OPNS.	[ ]	P AND A	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]		
DOWNHOLE COMMINGLE	[ ]						
CLOSED-LOOP SYSTEM	[ ]						
OTHER:		APD CHANGES	[X]	OTHER:			[X]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:
Well number change to 206H
Target formation change from Wolfcamp to Leonard Shale
Casing and cement changes to reflect shallower target

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Sr. Regulatory Administrator DATE 01/07/2020

Type or print name Emily Follis E-mail address: emily_follis@eog.com PHONE: 432-848-9163

For State Use Only

Original Approved

APPROVED BY: [signature] TITLE DATE 01/19/2020

Conditions of Approval (if any):

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

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
30-025-44469	98135	WC-025 G-09 S243310P; UPPER WOLFCAMP

[4]Property Code	[5]Property Name	[6]Well Number
313956	NEPTUNE 10 STATE COM	206H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3606'

[10]Surface Location

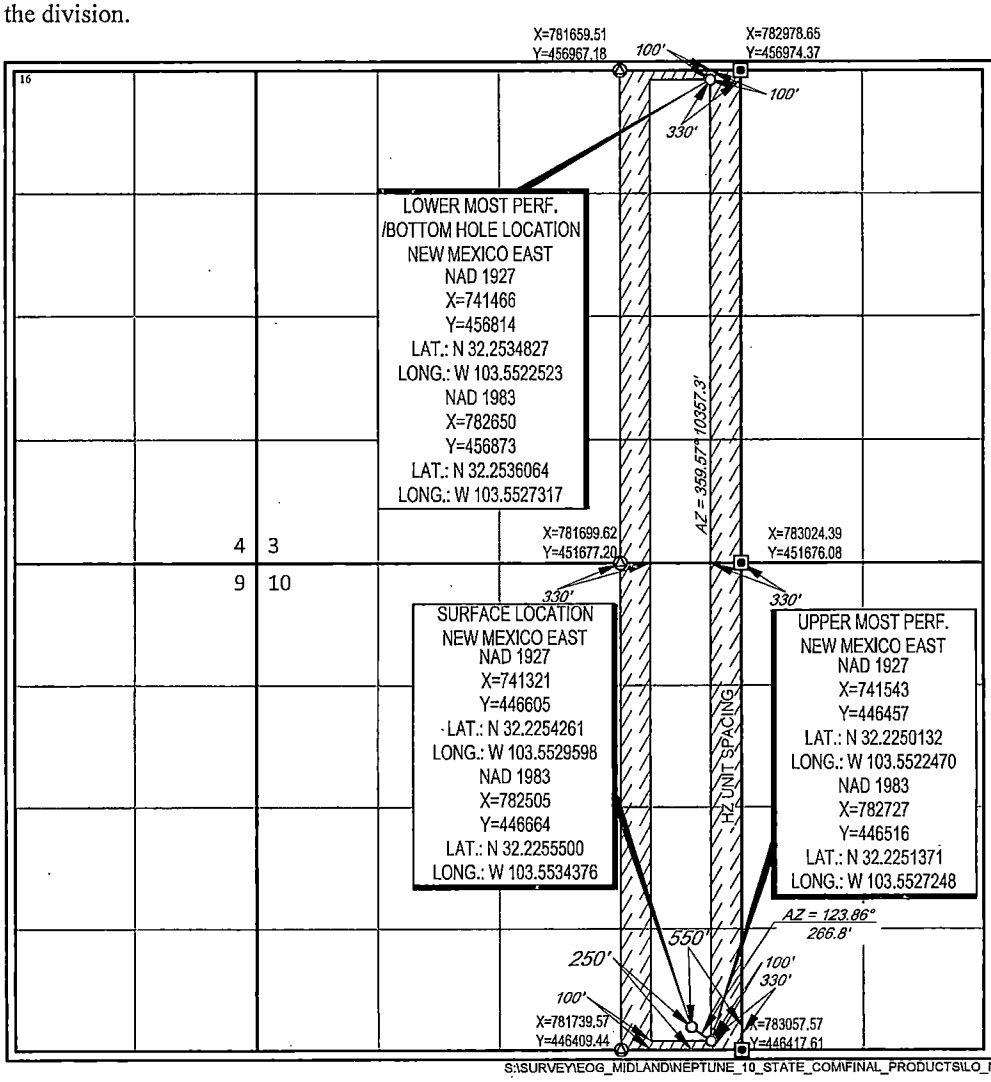
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	10	24-S	33-E	-	250'	SOUTH	550'	EAST	LEA

[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
1	3	24-S	33-E	-	100'	NORTH	330'	EAST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
320.05			

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.

Emily Follis 01/07/2020
Signature Date

Emily Follis
Printed Name

emily_follis@eogresources.com
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.

11/20/2019
Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\NEPTUNE_10_STATE_COM\FINAL_PRODUCTS\LO_NEPTUNE10STATE_COM_206H.DWG 12/20/2019 11:14:40 AM rdominguez

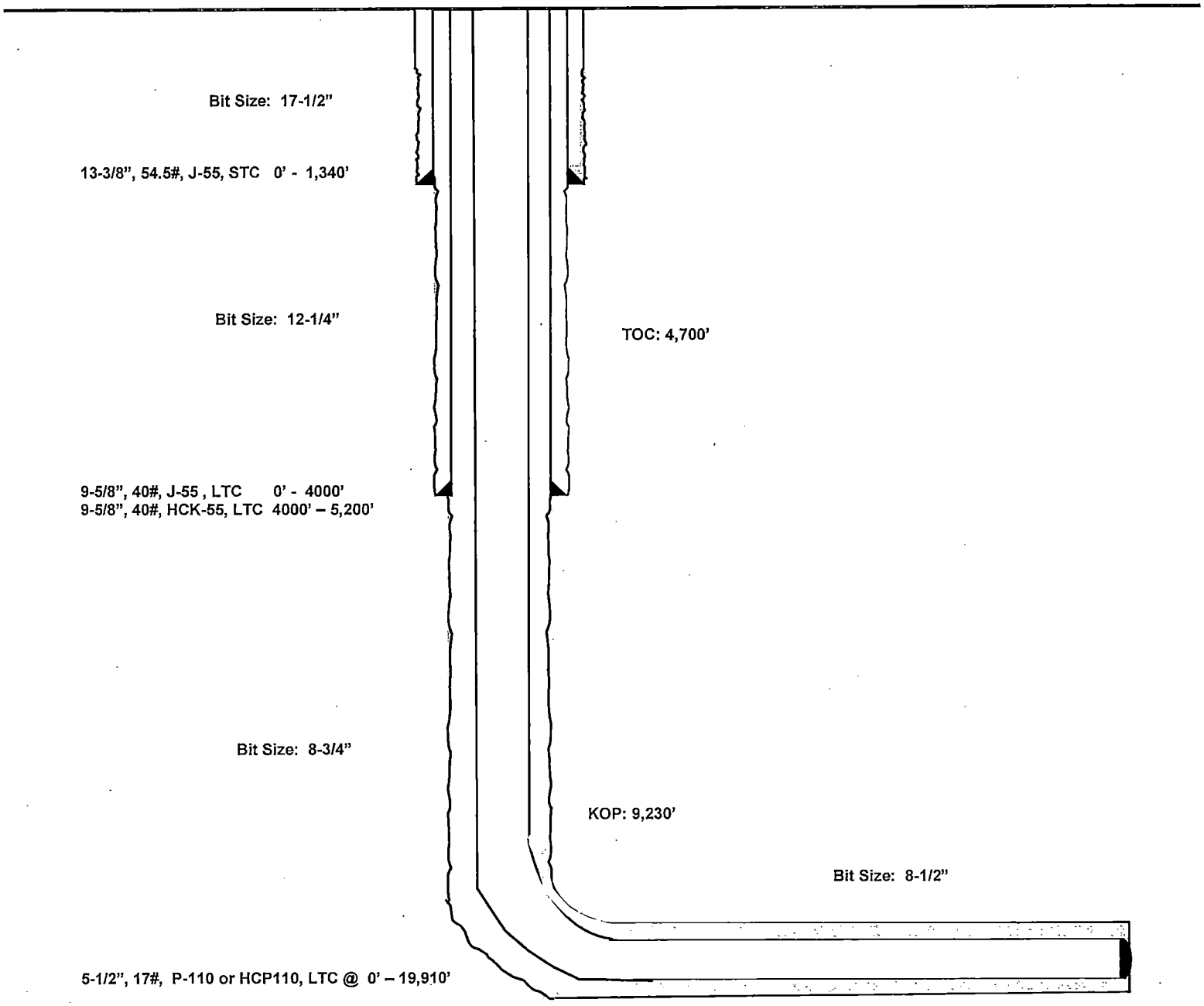
Neptune 10 State Com #206H
Lea County, New Mexico

Revised Wellbore 1/6/2020

250' FSL
550' FEL
Section 10
T-24-S, R-33-E

API: 30-025-44469

KB: 3,631'
GL: 3,606'



Lateral: 19,910' MD, 9,700' TVD
BH Location: 100' FNL & 330' FEL
Section 3
T-24-S, R-33-E

EOG RESOURCES, INC.
NEPTUNE 10 STATE COM #206H

Revised Permit Information 1/6/2020:

Well Name: Neptune 10 State Com #206H

Location:
SHL: 250' FSL & 550' FEL, Section 10, T-24-S, R-33-E, Lea Co., N.M.
BHL: 100' FNL & 300' 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' – 1,340'	13.375"	54.5#	J-55	STC	1.125	1.25	1.60
12.25"	0' – 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4000' – 5200'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'– 9,980'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5"	9,980'– 19,910'	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
1,340'	830	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% $CaCl_2$ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	160	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,200'	520	9.0	3.5	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	360	14.4	1.20	Tail: Class C + 10% NaCl + 3% MagOx
19,910'	460	11.0	3.21	Lead: Class C + 3% CaCl2 + 3% Microbond (TOC @ 4,700')
	2,820	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' – 1,340'	Fresh - Gel	8.6-8.8	28-34	N/c
1,340' – 5,200'	Brine	10.0-10.2	28-34	N/c
5,200' – 9,230'	Cut Brine	8.4-9.0	28-34	N/c
9,230' – 19,910' Lateral	Oil Base	9.0-9.5	40-42	8-10

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Neptune 10 State Com
#206H

OH

Plan: Plan #0.1

Standard Planning Report

06 January, 2020

Database:	EDM	**Local Co-ordinate Reference:**	Well #206H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3631.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#206H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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**	107.0 usft	**Northing:**	446,664.00 usft	**Latitude:**	32° 13' 31.978 N
	+E/-W	3,541.0 usft	**Easting:**	782,505.00 usft	**Longitude:**	103° 33' 12.380 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,606.0 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	1/6/2020	6.67	60.03	47,676.75394939

Design	Plan #0.1				
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	0.81	

Plan Survey Tool Program **Date** 1/6/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,909.6	Plan #0.1 (OH)	EOG MWD+IFR1	
				MWD + IFR1	

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,641.0	2.82	131.73	1,640.9	-2.3	2.6	2.00	2.00	0.00	131.73	
7,547.3	2.82	131.73	7,540.1	-195.7	219.4	0.00	0.00	0.00	0.00	
7,688.3	0.00	0.00	7,681.0	-198.0	222.0	2.00	-2.00	0.00	180.00	
9,229.8	0.00	0.00	9,222.5	-198.0	222.0	0.00	0.00	0.00	0.00	KOP (Neptune 10 St (
9,979.8	90.00	359.58	9,700.0	279.5	218.5	12.00	12.00	-0.06	359.58	
19,909.6	90.00	359.58	9,700.0	10,209.0	145.0	0.00	0.00	0.00	0.00	PBHL (Neptune 10 St

Database:	EDM	**Local Co-ordinate Reference:**	Well #206H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3631.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#206H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	2.00	131.73	1,600.0	-1.2	1.3	-1.1	2.00	2.00	0.00
1,641.0	2.82	131.73	1,640.9	-2.3	2.6	-2.3	2.00	2.00	0.00
1,700.0	2.82	131.73	1,699.9	-4.2	4.8	-4.2	0.00	0.00	0.00
1,800.0	2.82	131.73	1,799.8	-7.5	8.4	-7.4	0.00	0.00	0.00
1,900.0	2.82	131.73	1,899.6	-10.8	12.1	-10.6	0.00	0.00	0.00
2,000.0	2.82	131.73	1,999.5	-14.1	15.8	-13.8	0.00	0.00	0.00
2,100.0	2.82	131.73	2,099.4	-17.3	19.4	-17.1	0.00	0.00	0.00
2,200.0	2.82	131.73	2,199.3	-20.6	23.1	-20.3	0.00	0.00	0.00
2,300.0	2.82	131.73	2,299.1	-23.9	26.8	-23.5	0.00	0.00	0.00
2,400.0	2.82	131.73	2,399.0	-27.2	30.5	-26.7	0.00	0.00	0.00
2,500.0	2.82	131.73	2,498.9	-30.4	34.1	-29.9	0.00	0.00	0.00
2,600.0	2.82	131.73	2,598.8	-33.7	37.8	-33.2	0.00	0.00	0.00
2,700.0	2.82	131.73	2,698.7	-37.0	41.5	-36.4	0.00	0.00	0.00
2,800.0	2.82	131.73	2,798.5	-40.3	45.1	-39.6	0.00	0.00	0.00
2,900.0	2.82	131.73	2,898.4	-43.5	48.8	-42.8	0.00	0.00	0.00
3,000.0	2.82	131.73	2,998.3	-46.8	52.5	-46.1	0.00	0.00	0.00
3,100.0	2.82	131.73	3,098.2	-50.1	56.1	-49.3	0.00	0.00	0.00
3,200.0	2.82	131.73	3,198.1	-53.4	59.8	-52.5	0.00	0.00	0.00
3,300.0	2.82	131.73	3,297.9	-56.6	63.5	-55.7	0.00	0.00	0.00
3,400.0	2.82	131.73	3,397.8	-59.9	67.2	-58.9	0.00	0.00	0.00
3,500.0	2.82	131.73	3,497.7	-63.2	70.8	-62.2	0.00	0.00	0.00
3,600.0	2.82	131.73	3,597.6	-66.5	74.5	-65.4	0.00	0.00	0.00
3,700.0	2.82	131.73	3,697.5	-69.7	78.2	-68.6	0.00	0.00	0.00
3,800.0	2.82	131.73	3,797.3	-73.0	81.8	-71.8	0.00	0.00	0.00
3,900.0	2.82	131.73	3,897.2	-76.3	85.5	-75.1	0.00	0.00	0.00
4,000.0	2.82	131.73	3,997.1	-79.5	89.2	-78.3	0.00	0.00	0.00
4,100.0	2.82	131.73	4,097.0	-82.8	92.9	-81.5	0.00	0.00	0.00
4,200.0	2.82	131.73	4,196.8	-86.1	96.5	-84.7	0.00	0.00	0.00
4,300.0	2.82	131.73	4,296.7	-89.4	100.2	-87.9	0.00	0.00	0.00
4,400.0	2.82	131.73	4,396.6	-92.6	103.9	-91.2	0.00	0.00	0.00
4,500.0	2.82	131.73	4,496.5	-95.9	107.5	-94.4	0.00	0.00	0.00
4,600.0	2.82	131.73	4,596.4	-99.2	111.2	-97.6	0.00	0.00	0.00
4,700.0	2.82	131.73	4,696.2	-102.5	114.9	-100.8	0.00	0.00	0.00
4,800.0	2.82	131.73	4,796.1	-105.7	118.6	-104.0	0.00	0.00	0.00
4,900.0	2.82	131.73	4,896.0	-109.0	122.2	-107.3	0.00	0.00	0.00
5,000.0	2.82	131.73	4,995.9	-112.3	125.9	-110.5	0.00	0.00	0.00
5,100.0	2.82	131.73	5,095.8	-115.6	129.6	-113.7	0.00	0.00	0.00
5,200.0	2.82	131.73	5,195.6	-118.8	133.2	-116.9	0.00	0.00	0.00

Database:	EDM	**Local Co-ordinate Reference:**	Well #206H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3631.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#206H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	2.82	131.73	5,295.5	-122.1	136.9	-120.2	0.00	0.00	0.00
5,400.0	2.82	131.73	5,395.4	-125.4	140.6	-123.4	0.00	0.00	0.00
5,500.0	2.82	131.73	5,495.3	-128.7	144.3	-126.6	0.00	0.00	0.00
5,600.0	2.82	131.73	5,595.2	-131.9	147.9	-129.8	0.00	0.00	0.00
5,700.0	2.82	131.73	5,695.0	-135.2	151.6	-133.0	0.00	0.00	0.00
5,800.0	2.82	131.73	5,794.9	-138.5	155.3	-136.3	0.00	0.00	0.00
5,900.0	2.82	131.73	5,894.8	-141.8	158.9	-139.5	0.00	0.00	0.00
6,000.0	2.82	131.73	5,994.7	-145.0	162.6	-142.7	0.00	0.00	0.00
6,100.0	2.82	131.73	6,094.5	-148.3	166.3	-145.9	0.00	0.00	0.00
6,200.0	2.82	131.73	6,194.4	-151.6	170.0	-149.2	0.00	0.00	0.00
6,300.0	2.82	131.73	6,294.3	-154.9	173.6	-152.4	0.00	0.00	0.00
6,400.0	2.82	131.73	6,394.2	-158.1	177.3	-155.6	0.00	0.00	0.00
6,500.0	2.82	131.73	6,494.1	-161.4	181.0	-158.8	0.00	0.00	0.00
6,600.0	2.82	131.73	6,593.9	-164.7	184.6	-162.0	0.00	0.00	0.00
6,700.0	2.82	131.73	6,693.8	-167.9	188.3	-165.3	0.00	0.00	0.00
6,800.0	2.82	131.73	6,793.7	-171.2	192.0	-168.5	0.00	0.00	0.00
6,900.0	2.82	131.73	6,893.6	-174.5	195.6	-171.7	0.00	0.00	0.00
7,000.0	2.82	131.73	6,993.5	-177.8	199.3	-174.9	0.00	0.00	0.00
7,100.0	2.82	131.73	7,093.3	-181.0	203.0	-178.1	0.00	0.00	0.00
7,200.0	2.82	131.73	7,193.2	-184.3	206.7	-181.4	0.00	0.00	0.00
7,300.0	2.82	131.73	7,293.1	-187.6	210.3	-184.6	0.00	0.00	0.00
7,400.0	2.82	131.73	7,393.0	-190.9	214.0	-187.8	0.00	0.00	0.00
7,500.0	2.82	131.73	7,492.9	-194.1	217.7	-191.0	0.00	0.00	0.00
7,547.3	2.82	131.73	7,540.1	-195.7	219.4	-192.6	0.00	0.00	0.00
7,600.0	1.77	131.73	7,592.7	-197.1	221.0	-193.9	2.00	-2.00	0.00
7,688.3	0.00	0.00	7,681.0	-198.0	222.0	-194.8	2.00	-2.00	0.00
7,700.0	0.00	0.00	7,692.7	-198.0	222.0	-194.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,792.7	-198.0	222.0	-194.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,892.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,000.0	0.00	0.00	7,992.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,092.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,200.0	0.00	0.00	8,192.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,292.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,392.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,492.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,592.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,692.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,792.7	-198.0	222.0	-194.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,892.7	-198.0	222.0	-194.8	0.00	0.00	0.00
9,000.0	0.00	0.00	8,992.7	-198.0	222.0	-194.8	0.00	0.00	0.00
9,100.0	0.00	0.00	9,092.7	-198.0	222.0	-194.8	0.00	0.00	0.00
9,200.0	0.00	0.00	9,192.7	-198.0	222.0	-194.8	0.00	0.00	0.00
9,229.8	0.00	0.00	9,222.5	-198.0	222.0	-194.8	0.00	0.00	0.00
9,250.0	2.43	359.58	9,242.7	-197.6	222.0	-194.4	12.00	12.00	0.00
9,275.0	5.43	359.58	9,267.7	-195.9	222.0	-192.7	12.00	12.00	0.00
9,300.0	8.43	359.58	9,292.5	-192.8	222.0	-189.7	12.00	12.00	0.00
9,325.0	11.43	359.58	9,317.1	-188.5	221.9	-185.4	12.00	12.00	0.00
9,350.0	14.43	359.58	9,341.5	-182.9	221.9	-179.8	12.00	12.00	0.00
9,375.0	17.43	359.58	9,365.5	-176.1	221.8	-172.9	12.00	12.00	0.00
9,400.0	20.43	359.58	9,389.2	-168.0	221.8	-164.8	12.00	12.00	0.00
9,425.0	23.43	359.58	9,412.3	-158.6	221.7	-155.5	12.00	12.00	0.00
9,450.0	26.43	359.58	9,435.0	-148.1	221.6	-144.9	12.00	12.00	0.00
9,475.0	29.43	359.58	9,457.1	-136.4	221.5	-133.2	12.00	12.00	0.00
9,500.0	32.43	359.58	9,478.5	-123.5	221.4	-120.4	12.00	12.00	0.00

Database:	EDM	**Local Co-ordinate Reference:**	Well #206H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3631.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#206H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
9,525.0	35.43	359.58	9,499.3	-109.6	221.3	-106.4	12.00	12.00	0.00
9,550.0	38.43	359.58	9,519.3	-94.6	221.2	-91.4	12.00	12.00	0.00
9,575.0	41.43	359.58	9,538.4	-78.5	221.1	-75.4	12.00	12.00	0.00
9,600.0	44.43	359.58	9,556.7	-61.5	221.0	-58.4	12.00	12.00	0.00
9,625.0	47.43	359.58	9,574.1	-43.6	220.9	-40.4	12.00	12.00	0.00
9,650.0	50.43	359.58	9,590.5	-24.7	220.7	-21.6	12.00	12.00	0.00
9,675.0	53.43	359.58	9,606.0	-5.0	220.6	-1.9	12.00	12.00	0.00
9,700.0	56.43	359.58	9,620.3	15.4	220.4	18.6	12.00	12.00	0.00
9,725.0	59.43	359.58	9,633.6	36.6	220.3	39.7	12.00	12.00	0.00
9,750.0	62.43	359.58	9,645.7	58.5	220.1	61.6	12.00	12.00	0.00
9,775.0	65.43	359.58	9,656.7	80.9	219.9	84.0	12.00	12.00	0.00
9,800.0	68.43	359.58	9,666.5	103.9	219.8	107.0	12.00	12.00	0.00
9,825.0	71.43	359.58	9,675.1	127.4	219.6	130.5	12.00	12.00	0.00
9,850.0	74.43	359.58	9,682.4	151.3	219.4	154.4	12.00	12.00	0.00
9,875.0	77.43	359.58	9,688.5	175.5	219.2	178.6	12.00	12.00	0.00
9,900.0	80.43	359.58	9,693.3	200.1	219.1	203.2	12.00	12.00	0.00
9,925.0	83.43	359.58	9,696.8	224.8	218.9	227.9	12.00	12.00	0.00
9,950.0	86.43	359.58	9,699.0	249.7	218.7	252.8	12.00	12.00	0.00
9,975.0	89.43	359.58	9,699.9	274.7	218.5	277.8	12.00	12.00	0.00
9,979.8	90.00	359.58	9,700.0	279.5	218.5	282.5	12.00	12.00	0.00
10,000.0	90.00	359.58	9,700.0	299.7	218.3	302.8	0.00	0.00	0.00
10,100.0	90.00	359.58	9,700.0	399.7	217.6	402.7	0.00	0.00	0.00
10,200.0	90.00	359.58	9,700.0	499.7	216.8	502.7	0.00	0.00	0.00
10,300.0	90.00	359.58	9,700.0	599.7	216.1	602.7	0.00	0.00	0.00
10,400.0	90.00	359.58	9,700.0	699.7	215.4	702.7	0.00	0.00	0.00
10,500.0	90.00	359.58	9,700.0	799.7	214.6	802.6	0.00	0.00	0.00
10,600.0	90.00	359.58	9,700.0	899.7	213.9	902.6	0.00	0.00	0.00
10,700.0	90.00	359.58	9,700.0	999.7	213.1	1,002.6	0.00	0.00	0.00
10,800.0	90.00	359.58	9,700.0	1,099.7	212.4	1,102.6	0.00	0.00	0.00
10,900.0	90.00	359.58	9,700.0	1,199.7	211.7	1,202.5	0.00	0.00	0.00
11,000.0	90.00	359.58	9,700.0	1,299.7	210.9	1,302.5	0.00	0.00	0.00
11,100.0	90.00	359.58	9,700.0	1,399.7	210.2	1,402.5	0.00	0.00	0.00
11,200.0	90.00	359.58	9,700.0	1,499.7	209.4	1,502.5	0.00	0.00	0.00
11,300.0	90.00	359.58	9,700.0	1,599.7	208.7	1,602.5	0.00	0.00	0.00
11,400.0	90.00	359.58	9,700.0	1,699.6	208.0	1,702.4	0.00	0.00	0.00
11,500.0	90.00	359.58	9,700.0	1,799.6	207.2	1,802.4	0.00	0.00	0.00
11,600.0	90.00	359.58	9,700.0	1,899.6	206.5	1,902.4	0.00	0.00	0.00
11,700.0	90.00	359.58	9,700.0	1,999.6	205.7	2,002.4	0.00	0.00	0.00
11,800.0	90.00	359.58	9,700.0	2,099.6	205.0	2,102.3	0.00	0.00	0.00
11,900.0	90.00	359.58	9,700.0	2,199.6	204.3	2,202.3	0.00	0.00	0.00
12,000.0	90.00	359.58	9,700.0	2,299.6	203.5	2,302.3	0.00	0.00	0.00
12,100.0	90.00	359.58	9,700.0	2,399.6	202.8	2,402.3	0.00	0.00	0.00
12,200.0	90.00	359.58	9,700.0	2,499.6	202.0	2,502.2	0.00	0.00	0.00
12,300.0	90.00	359.58	9,700.0	2,599.6	201.3	2,602.2	0.00	0.00	0.00
12,400.0	90.00	359.58	9,700.0	2,699.6	200.6	2,702.2	0.00	0.00	0.00
12,500.0	90.00	359.58	9,700.0	2,799.6	199.8	2,802.2	0.00	0.00	0.00
12,600.0	90.00	359.58	9,700.0	2,899.6	199.1	2,902.2	0.00	0.00	0.00
12,700.0	90.00	359.58	9,700.0	2,999.6	198.3	3,002.1	0.00	0.00	0.00
12,800.0	90.00	359.58	9,700.0	3,099.6	197.6	3,102.1	0.00	0.00	0.00
12,900.0	90.00	359.58	9,700.0	3,199.6	196.9	3,202.1	0.00	0.00	0.00
13,000.0	90.00	359.58	9,700.0	3,299.6	196.1	3,302.1	0.00	0.00	0.00
13,100.0	90.00	359.58	9,700.0	3,399.6	195.4	3,402.0	0.00	0.00	0.00
13,200.0	90.00	359.58	9,700.0	3,499.6	194.6	3,502.0	0.00	0.00	0.00
13,300.0	90.00	359.58	9,700.0	3,599.6	193.9	3,602.0	0.00	0.00	0.00

Database:	EDM	**Local Co-ordinate Reference:**	Well #206H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3631.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#206H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
13,400.0	90.00	359.58	9,700.0	3,699.6	193.2	3,702.0	0.00	0.00	0.00
13,500.0	90.00	359.58	9,700.0	3,799.6	192.4	3,801.9	0.00	0.00	0.00
13,600.0	90.00	359.58	9,700.0	3,899.6	191.7	3,901.9	0.00	0.00	0.00
13,700.0	90.00	359.58	9,700.0	3,999.6	190.9	4,001.9	0.00	0.00	0.00
13,800.0	90.00	359.58	9,700.0	4,099.6	190.2	4,101.9	0.00	0.00	0.00
13,900.0	90.00	359.58	9,700.0	4,199.6	189.5	4,201.8	0.00	0.00	0.00
14,000.0	90.00	359.58	9,700.0	4,299.6	188.7	4,301.8	0.00	0.00	0.00
14,100.0	90.00	359.58	9,700.0	4,399.6	188.0	4,401.8	0.00	0.00	0.00
14,200.0	90.00	359.58	9,700.0	4,499.6	187.2	4,501.8	0.00	0.00	0.00
14,300.0	90.00	359.58	9,700.0	4,599.6	186.5	4,601.8	0.00	0.00	0.00
14,400.0	90.00	359.58	9,700.0	4,699.6	185.8	4,701.7	0.00	0.00	0.00
14,500.0	90.00	359.58	9,700.0	4,799.6	185.0	4,801.7	0.00	0.00	0.00
14,600.0	90.00	359.58	9,700.0	4,899.6	184.3	4,901.7	0.00	0.00	0.00
14,700.0	90.00	359.58	9,700.0	4,999.6	183.5	5,001.7	0.00	0.00	0.00
14,800.0	90.00	359.58	9,700.0	5,099.6	182.8	5,101.6	0.00	0.00	0.00
14,900.0	90.00	359.58	9,700.0	5,199.6	182.1	5,201.6	0.00	0.00	0.00
15,000.0	90.00	359.58	9,700.0	5,299.6	181.3	5,301.6	0.00	0.00	0.00
15,100.0	90.00	359.58	9,700.0	5,399.5	180.6	5,401.6	0.00	0.00	0.00
15,200.0	90.00	359.58	9,700.0	5,499.5	179.8	5,501.5	0.00	0.00	0.00
15,300.0	90.00	359.58	9,700.0	5,599.5	179.1	5,601.5	0.00	0.00	0.00
15,400.0	90.00	359.58	9,700.0	5,699.5	178.4	5,701.5	0.00	0.00	0.00
15,500.0	90.00	359.58	9,700.0	5,799.5	177.6	5,801.5	0.00	0.00	0.00
15,600.0	90.00	359.58	9,700.0	5,899.5	176.9	5,901.5	0.00	0.00	0.00
15,700.0	90.00	359.58	9,700.0	5,999.5	176.1	6,001.4	0.00	0.00	0.00
15,800.0	90.00	359.58	9,700.0	6,099.5	175.4	6,101.4	0.00	0.00	0.00
15,900.0	90.00	359.58	9,700.0	6,199.5	174.7	6,201.4	0.00	0.00	0.00
16,000.0	90.00	359.58	9,700.0	6,299.5	173.9	6,301.4	0.00	0.00	0.00
16,100.0	90.00	359.58	9,700.0	6,399.5	173.2	6,401.3	0.00	0.00	0.00
16,200.0	90.00	359.58	9,700.0	6,499.5	172.4	6,501.3	0.00	0.00	0.00
16,300.0	90.00	359.58	9,700.0	6,599.5	171.7	6,601.3	0.00	0.00	0.00
16,400.0	90.00	359.58	9,700.0	6,699.5	171.0	6,701.3	0.00	0.00	0.00
16,500.0	90.00	359.58	9,700.0	6,799.5	170.2	6,801.2	0.00	0.00	0.00
16,600.0	90.00	359.58	9,700.0	6,899.5	169.5	6,901.2	0.00	0.00	0.00
16,700.0	90.00	359.58	9,700.0	6,999.5	168.7	7,001.2	0.00	0.00	0.00
16,800.0	90.00	359.58	9,700.0	7,099.5	168.0	7,101.2	0.00	0.00	0.00
16,900.0	90.00	359.58	9,700.0	7,199.5	167.3	7,201.1	0.00	0.00	0.00
17,000.0	90.00	359.58	9,700.0	7,299.5	166.5	7,301.1	0.00	0.00	0.00
17,100.0	90.00	359.58	9,700.0	7,399.5	165.8	7,401.1	0.00	0.00	0.00
17,200.0	90.00	359.58	9,700.0	7,499.5	165.0	7,501.1	0.00	0.00	0.00
17,300.0	90.00	359.58	9,700.0	7,599.5	164.3	7,601.1	0.00	0.00	0.00
17,400.0	90.00	359.58	9,700.0	7,699.5	163.6	7,701.0	0.00	0.00	0.00
17,500.0	90.00	359.58	9,700.0	7,799.5	162.8	7,801.0	0.00	0.00	0.00
17,600.0	90.00	359.58	9,700.0	7,899.5	162.1	7,901.0	0.00	0.00	0.00
17,700.0	90.00	359.58	9,700.0	7,999.5	161.3	8,001.0	0.00	0.00	0.00
17,800.0	90.00	359.58	9,700.0	8,099.5	160.6	8,100.9	0.00	0.00	0.00
17,900.0	90.00	359.58	9,700.0	8,199.5	159.9	8,200.9	0.00	0.00	0.00
18,000.0	90.00	359.58	9,700.0	8,299.5	159.1	8,300.9	0.00	0.00	0.00
18,100.0	90.00	359.58	9,700.0	8,399.5	158.4	8,400.9	0.00	0.00	0.00
18,200.0	90.00	359.58	9,700.0	8,499.5	157.6	8,500.8	0.00	0.00	0.00
18,300.0	90.00	359.58	9,700.0	8,599.5	156.9	8,600.8	0.00	0.00	0.00
18,400.0	90.00	359.58	9,700.0	8,699.5	156.2	8,700.8	0.00	0.00	0.00
18,500.0	90.00	359.58	9,700.0	8,799.5	155.4	8,800.8	0.00	0.00	0.00
18,600.0	90.00	359.58	9,700.0	8,899.5	154.7	8,900.8	0.00	0.00	0.00
18,700.0	90.00	359.58	9,700.0	8,999.4	153.9	9,000.7	0.00	0.00	0.00

Database:	EDM	**Local Co-ordinate Reference:**	Well #206H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3631.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3631.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#206H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
18,800.0	90.00	359.58	9,700.0	9,099.4	153.2	9,100.7	0.00	0.00	0.00
18,900.0	90.00	359.58	9,700.0	9,199.4	152.5	9,200.7	0.00	0.00	0.00
19,000.0	90.00	359.58	9,700.0	9,299.4	151.7	9,300.7	0.00	0.00	0.00
19,100.0	90.00	359.58	9,700.0	9,399.4	151.0	9,400.6	0.00	0.00	0.00
19,200.0	90.00	359.58	9,700.0	9,499.4	150.2	9,500.6	0.00	0.00	0.00
19,300.0	90.00	359.58	9,700.0	9,599.4	149.5	9,600.6	0.00	0.00	0.00
19,400.0	90.00	359.58	9,700.0	9,699.4	148.8	9,700.6	0.00	0.00	0.00
19,500.0	90.00	359.58	9,700.0	9,799.4	148.0	9,800.5	0.00	0.00	0.00
19,600.0	90.00	359.58	9,700.0	9,899.4	147.3	9,900.5	0.00	0.00	0.00
19,700.0	90.00	359.58	9,700.0	9,999.4	146.6	10,000.5	0.00	0.00	0.00
19,800.0	90.00	359.58	9,700.0	10,099.4	145.8	10,100.5	0.00	0.00	0.00
19,909.6	90.00	359.58	9,700.0	10,209.0	145.0	10,210.0	0.00	0.00	0.00

Design Targets

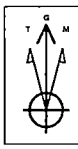
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Neptune 10 St Co - plan hits target center - Point	0.00	0.00	9,222.5	-198.0	222.0	446,466.00	782,727.00	32° 13' 30.003 N	103° 33' 9.813 W
FTP (Neptune 10 St Cor - plan misses target center by 163.4usft at 9629.0usft MD (9576.8 TVD, -40.6 N, 220.8 E) - Point	0.00	0.00	9,700.0	-148.0	222.0	446,516.00	782,727.00	32° 13' 30.498 N	103° 33' 9.808 W
PBHL (Neptune 10 St C - plan hits target center - Point	0.00	0.00	9,700.0	10,209.0	145.0	456,873.00	782,650.00	32° 15' 12.987 N	103° 33' 9.828 W

eog resources

Lea County, NM (NAD 83 NME)

Neptune 10 State Com #206H

Plan #0.1



Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.25°

Magnetic Field
Strength: 47676.8nT
Dip Angle: 60.03°
Date: 1/6/2020
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.25°
To convert a Magnetic Direction to a True Direction, Add 6.67° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

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

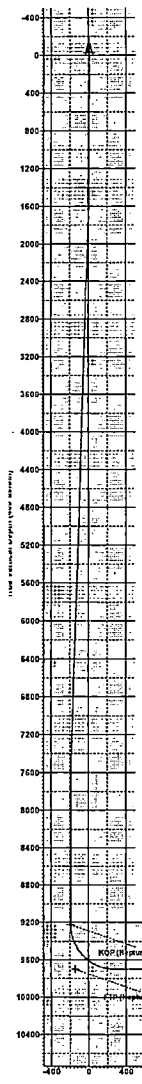
WELL DETAILS: #206H

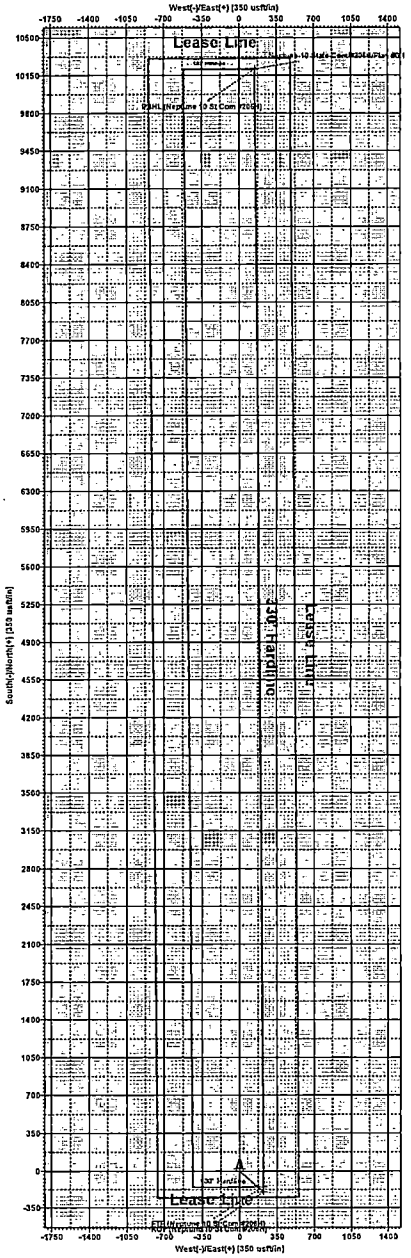
3606.0
KB = 25 @ 3631.0usft

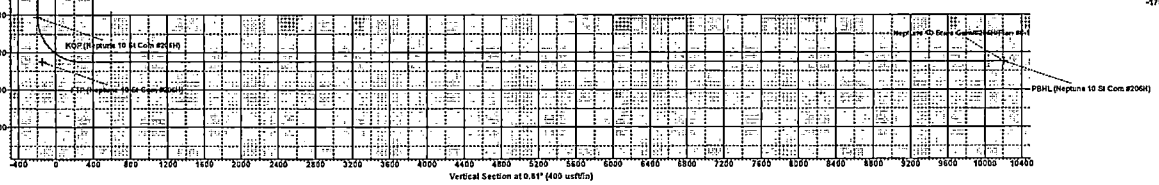
Northing	Easting	Latitude	Longitude
446664.00	782505.00	32° 13' 31.978 N	103° 33' 12.380 W

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	1641.0	2.82	131.73	1640.9	-2.3	2.6	2.00	131.73	-2.3	
4	7547.3	2.82	131.73	7540.1	-195.7	219.4	0.00	0.00	-192.6	
5	7688.3	0.00	0.00	7681.0	-198.0	222.0	2.00	180.00	-194.8	
6	9229.8	0.00	0.00	9222.5	-198.0	222.0	0.00	0.00	-194.8	KOP (Neptune 10 St Com #206H)
7	9979.8	90.00	359.58	9700.0	279.5	218.5	12.00	359.58	282.5	
8	19909.6	90.00	359.58	9700.0	10209.0	145.0	0.00	0.00	10210.0	PBHL (Neptune 10 St Com #206H)







CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (Neptune 10 St Com #206H)	9222.5	-198.0	222.0	446466.00	782727.00
PBHL (Neptune 10 St Com #206H)	9700.0	10209.0	145.0	456873.00	782650.00
FTP (Neptune 10 St Com #206H)	9700.0	-148.0	222.0	446516.00	782727.00