

Submit a 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

Form C-103
 Revised July 18, 2013

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

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.)		WELL API NO. 30-025-47144
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOG Resources		6. State Oil & Gas Lease No.
3. Address of Operator 5509 CHAMPION DRIVE, MIDLAND, TEXAS 79703		7. Lease Name or Unit Agreement Name HEARTTHROB 17 STATE COM
4. Well Location Unit Letter A : 680 feet from the NORTH line and 1360 feet from the EAST line Section 17 Township 24S Range 33E NMPM County LEA CO		8. Well Number 208H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3593 GL		9. OGRID Number 7377
		10. Pool name or Wildcat 96674 TRIPLE X BONE SPRING WEST

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 ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: APD CHANGE	☒

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:
 Change surface hole size to 16"
 Change surface hole location to T-24-S R-33-E Section 17 680 feet FNL 1290 feet FEL Lea Co, NM
 Change bottom hole location to T-24-S R-33-E Section 17 100 feet FSL 660 feet FEL Lea Co, NM

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 Emily Follis TITLE Sr. Regulatory Administrator DATE 1-21-2021

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

For State Use Only

APPROVED BY: [Signature] TITLE _____ DATE 01/22/2013
 Conditions of Approval (if any): _____

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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

¹ API Number 30-025-47144	² Pool Code 96674	³ Pool Name TRIPLE X BONESPRING, WEST
⁴ Property Code 324918	⁵ Property Name HEARTTHROB 17 STATE COM	⁶ Well Number #208H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3593'

¹⁰Surface Location

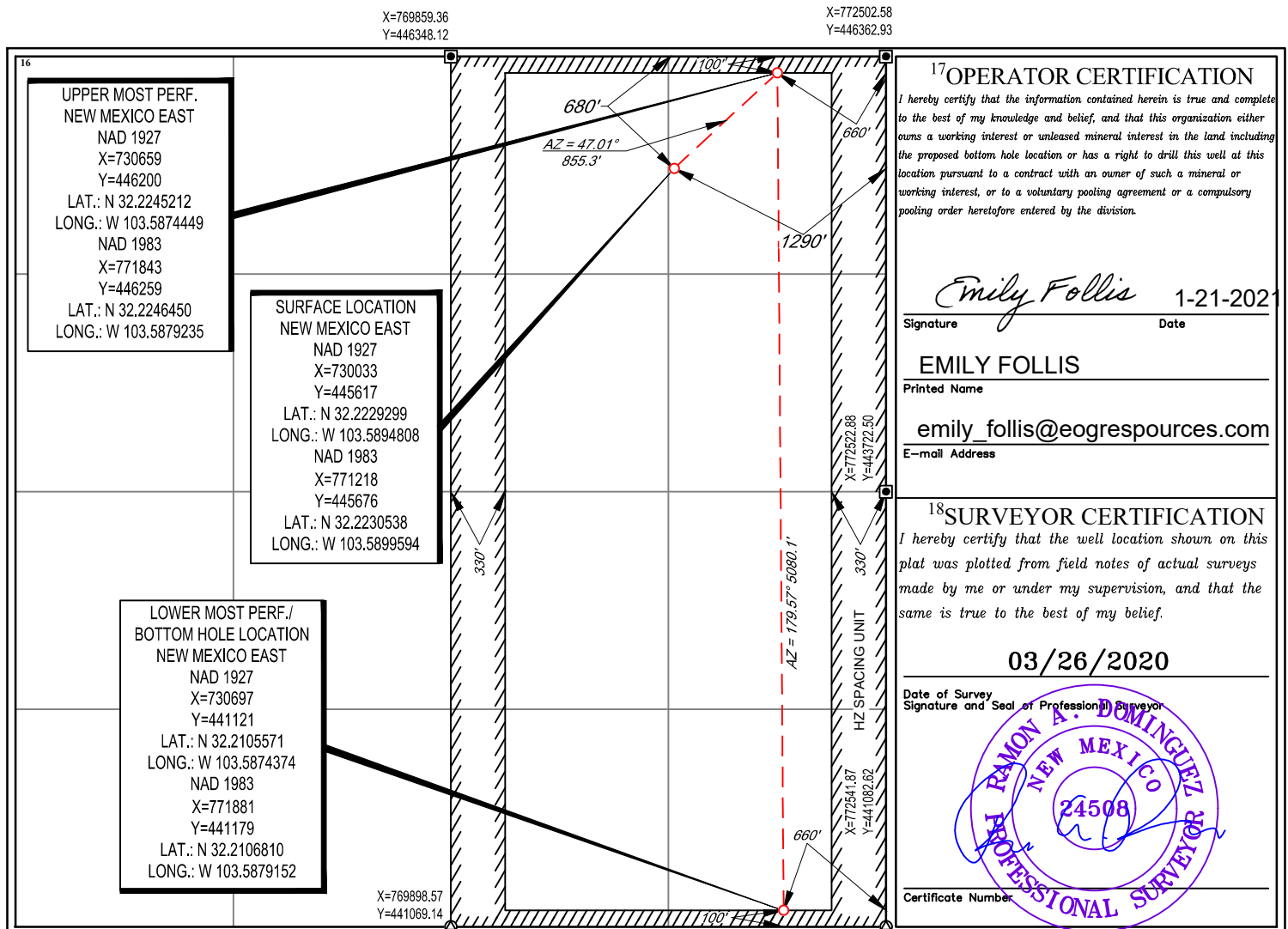
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	24-S	33-E	-	680'	NORTH	1290'	EAST	LEA

¹¹Bottom 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
P	17	24-S	33-E	-	100'	SOUTH	660'	EAST	LEA

¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

¹⁷OPERATOR 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 1-21-2021
Signature Date

EMILY FOLLIS

Printed Name

emily_follis@eogresources.com

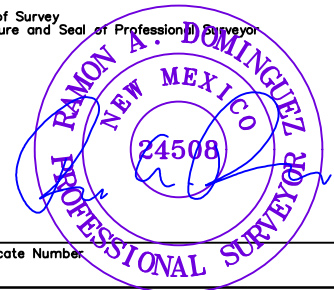
E-mail Address

¹⁸SURVEYOR 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.

03/26/2020

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

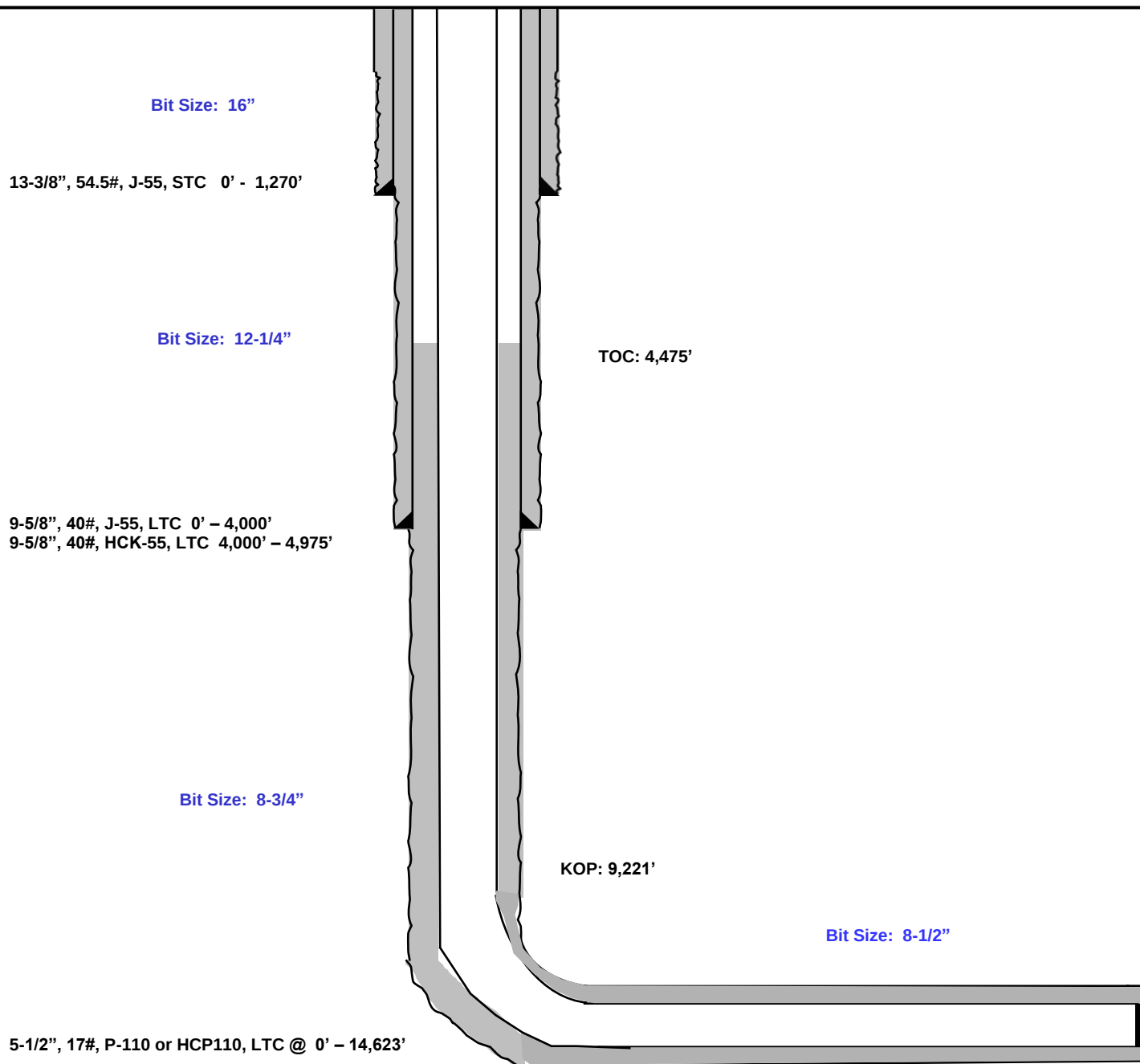
Heartthrob 17 State Com #208H
Lea County, New Mexico

680' FNL
1290' FEL
Section 17
T-24-S, R-33-E

Revised Wellbore
1/21/2021

API: 30-025-47144

KB: 3,618'
GL: 3,593'



Lateral: 14,623' MD, 9,634' TVD
BH Location: 100' FSL & 660' FEL
Section 17
T-24-S, R-33-E

**EOG RESOURCES, INC.
HEARTTHROB 17 STATE COM #208H**

Revised Permit Information 1/21/2021:

Well Name: Heartthrob 17 State Com #208H

Location:

SHL: 680' FNL & 1290' FEL, Section 17, T-24-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 660' FEL, Section 17, 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
16"	0' – 1,270'	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' – 4,975'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' – 9,970'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5"	9,970' – 14,623'	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
1,270'	380	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
4,975'	720	9.0	3.5	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	310	14.4	1.20	Tail: Class C + 10% NaCl + 3% MagOx
14,623'	480	11.0	3.21	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,475')
	1,330	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond

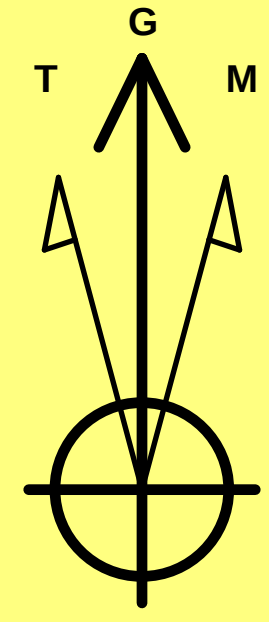
Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' – 1,270'	Fresh - Gel	8.6-8.8	28-34	N/c
1,270' – 4,975'	Brine	10.0-10.2	28-34	N/c
4,975' – 9,221'	Cut Brine	8.4-9.0	28-34	N/c
9,221' – 14,623' Lateral	Oil Base	9.0-9.5	40-42	8-10

Lea County, NM (NAD 83 NME)

Heartthrob 17 State Com #208H

Plan #0.3



Azimuths to Grid North
True North: -0.40°
Magnetic North: 6.31°

Magnetic Field
Strength: 47627.8nT
Dip Angle: 59.94°
Date: 2/19/2020
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.31°
To convert a Magnetic Direction to a True Direction, Add 6.71° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

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

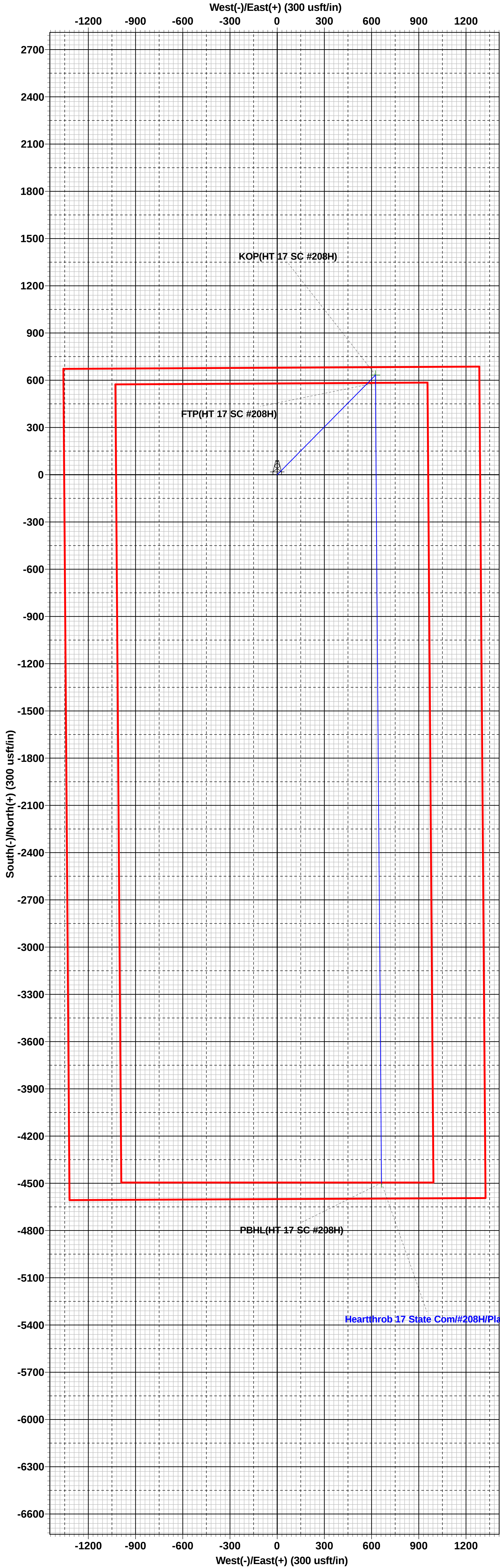
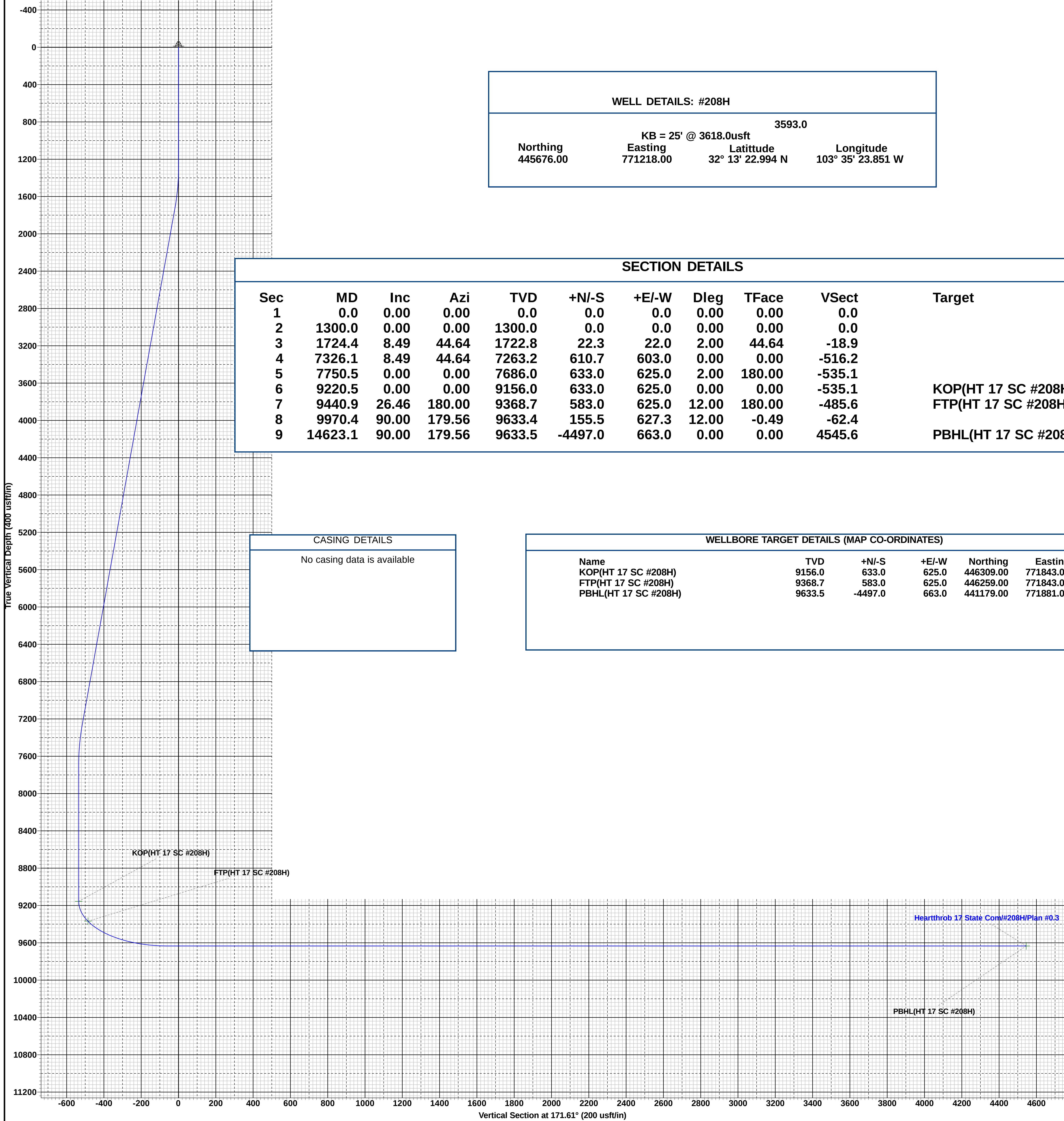
WELL DETAILS: #208H				
KB = 25' @ 3618.0usft				3593.0
Northing	Easting	Latitude	Longitude	
445676.00	771218.00	32° 13' 22.994 N	103° 35' 23.851 W	

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	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1724.4	8.49	44.64	1722.8	22.3	22.0	2.00	44.64	-18.9	
4	7326.1	8.49	44.64	7263.2	610.7	603.0	0.00	0.00	-516.2	
5	7750.5	0.00	0.00	7686.0	633.0	625.0	2.00	180.00	-535.1	
6	9220.5	0.00	0.00	9156.0	633.0	625.0	0.00	0.00	-535.1	KOP(HT 17 SC #208H)
7	9440.9	26.46	180.00	9368.7	583.0	625.0	12.00	180.00	-485.6	FTP(HT 17 SC #208H)
8	9970.4	90.00	179.56	9633.4	155.5	627.3	12.00	-0.49	-62.4	PBHL(HT 17 SC #208H)
9	14623.1	90.00	179.56	9633.5	-4497.0	663.0	0.00	0.00	4545.6	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(HT 17 SC #208H)	9156.0	633.0	625.0	446309.00	771843.00
FTP(HT 17 SC #208H)	9368.7	583.0	625.0	446259.00	771843.00
PBHL(HT 17 SC #208H)	9633.5	-4497.0	663.0	441179.00	771881.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Heartthrob 17 State Com

#208H

OH

Plan: Plan #0.3

Standard Planning Report

21 January, 2021

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #208H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3618.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3618.0usft
Site:	Hearthrob 17 State Com	North Reference:	Grid
Well:	#208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

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	Hearthrob 17 State Com		
Site Position:		Northing:	441,601.00 usft
From:	Map	Easting:	771,748.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 42.634 N
		Longitude:	103° 35' 18.010 W
		Grid Convergence:	0.40 °

Well	#208H					
Well Position	+N/-S	4,075.0 usft	Northing:	445,676.00 usft	Latitude:	32° 13' 22.994 N
	+E/-W	-530.0 usft	Easting:	771,218.00 usft	Longitude:	103° 35' 23.851 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,593.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/19/2020	6.71	59.94	47,627.78394619

Design	Plan #0.3			
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	171.61

Plan Survey Tool Program	Date	1/21/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	14,623.1	Plan #0.3 (OH)	EOG MWD+IFR1	
				MWD + IFR1	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #208H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3618.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3618.0usft
Site:	Heartthrob 17 State Com	North Reference:	Grid
Well:	#208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,724.4	8.49	44.64	1,722.8	22.3	22.0	2.00	2.00	0.00	44.64	
7,326.1	8.49	44.64	7,263.2	610.7	603.0	0.00	0.00	0.00	0.00	
7,750.5	0.00	0.00	7,686.0	633.0	625.0	2.00	-2.00	0.00	180.00	
9,220.5	0.00	0.00	9,156.0	633.0	625.0	0.00	0.00	0.00	0.00	KOP(HT 17 SC #208H)
9,440.9	26.46	180.00	9,368.7	583.0	625.0	12.00	12.00	81.65	180.00	FTP(HT 17 SC #208H)
9,970.4	90.00	179.56	9,633.4	155.5	627.3	12.00	12.00	-0.08	-0.49	
14,623.1	90.00	179.56	9,633.5	-4,497.0	663.0	0.00	0.00	0.00	0.00	PBHL(HT 17 SC #208H)

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #208H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3618.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3618.0usft
Site:	Hearthrob 17 State Com	North Reference:	Grid
Well:	#208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

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	2.00	44.64	1,400.0	1.2	1.2	-1.0	2.00	2.00	0.00	
1,500.0	4.00	44.64	1,499.8	5.0	4.9	-4.2	2.00	2.00	0.00	
1,600.0	6.00	44.64	1,599.5	11.2	11.0	-9.4	2.00	2.00	0.00	
1,700.0	8.00	44.64	1,698.7	19.8	19.6	-16.8	2.00	2.00	0.00	
1,724.4	8.49	44.64	1,722.8	22.3	22.0	-18.9	2.00	2.00	0.00	
1,800.0	8.49	44.64	1,797.6	30.3	29.9	-25.6	0.00	0.00	0.00	
1,900.0	8.49	44.64	1,896.5	40.8	40.3	-34.5	0.00	0.00	0.00	
2,000.0	8.49	44.64	1,995.4	51.3	50.6	-43.3	0.00	0.00	0.00	
2,100.0	8.49	44.64	2,094.3	61.8	61.0	-52.2	0.00	0.00	0.00	
2,200.0	8.49	44.64	2,193.2	72.3	71.4	-61.1	0.00	0.00	0.00	
2,300.0	8.49	44.64	2,292.1	82.8	81.7	-70.0	0.00	0.00	0.00	
2,400.0	8.49	44.64	2,391.0	93.3	92.1	-78.9	0.00	0.00	0.00	
2,500.0	8.49	44.64	2,490.0	103.8	102.5	-87.7	0.00	0.00	0.00	
2,600.0	8.49	44.64	2,588.9	114.3	112.8	-96.6	0.00	0.00	0.00	
2,700.0	8.49	44.64	2,687.8	124.8	123.2	-105.5	0.00	0.00	0.00	
2,800.0	8.49	44.64	2,786.7	135.3	133.6	-114.4	0.00	0.00	0.00	
2,900.0	8.49	44.64	2,885.6	145.8	144.0	-123.2	0.00	0.00	0.00	
3,000.0	8.49	44.64	2,984.5	156.3	154.3	-132.1	0.00	0.00	0.00	
3,100.0	8.49	44.64	3,083.4	166.8	164.7	-141.0	0.00	0.00	0.00	
3,200.0	8.49	44.64	3,182.3	177.3	175.1	-149.9	0.00	0.00	0.00	
3,300.0	8.49	44.64	3,281.2	187.8	185.4	-158.8	0.00	0.00	0.00	
3,400.0	8.49	44.64	3,380.1	198.3	195.8	-167.6	0.00	0.00	0.00	
3,500.0	8.49	44.64	3,479.0	208.8	206.2	-176.5	0.00	0.00	0.00	
3,600.0	8.49	44.64	3,577.9	219.3	216.6	-185.4	0.00	0.00	0.00	
3,700.0	8.49	44.64	3,676.8	229.8	226.9	-194.3	0.00	0.00	0.00	
3,800.0	8.49	44.64	3,775.7	240.3	237.3	-203.1	0.00	0.00	0.00	
3,900.0	8.49	44.64	3,874.6	250.8	247.7	-212.0	0.00	0.00	0.00	
4,000.0	8.49	44.64	3,973.5	261.3	258.0	-220.9	0.00	0.00	0.00	
4,100.0	8.49	44.64	4,072.4	271.8	268.4	-229.8	0.00	0.00	0.00	
4,200.0	8.49	44.64	4,171.3	282.3	278.8	-238.7	0.00	0.00	0.00	
4,300.0	8.49	44.64	4,270.2	292.8	289.1	-247.5	0.00	0.00	0.00	
4,400.0	8.49	44.64	4,369.1	303.3	299.5	-256.4	0.00	0.00	0.00	
4,500.0	8.49	44.64	4,468.0	313.9	309.9	-265.3	0.00	0.00	0.00	
4,600.0	8.49	44.64	4,567.0	324.4	320.3	-274.2	0.00	0.00	0.00	
4,700.0	8.49	44.64	4,665.9	334.9	330.6	-283.1	0.00	0.00	0.00	
4,800.0	8.49	44.64	4,764.8	345.4	341.0	-291.9	0.00	0.00	0.00	
4,900.0	8.49	44.64	4,863.7	355.9	351.4	-300.8	0.00	0.00	0.00	
5,000.0	8.49	44.64	4,962.6	366.4	361.7	-309.7	0.00	0.00	0.00	
5,100.0	8.49	44.64	5,061.5	376.9	372.1	-318.6	0.00	0.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #208H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3618.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3618.0usft
Site:	Hearthrob 17 State Com	North Reference:	Grid
Well:	#208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

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)	
5,200.0	8.49	44.64	5,160.4	387.4	382.5	-327.4	0.00	0.00	0.00	
5,300.0	8.49	44.64	5,259.3	397.9	392.8	-336.3	0.00	0.00	0.00	
5,400.0	8.49	44.64	5,358.2	408.4	403.2	-345.2	0.00	0.00	0.00	
5,500.0	8.49	44.64	5,457.1	418.9	413.6	-354.1	0.00	0.00	0.00	
5,600.0	8.49	44.64	5,556.0	429.4	424.0	-363.0	0.00	0.00	0.00	
5,700.0	8.49	44.64	5,654.9	439.9	434.3	-371.8	0.00	0.00	0.00	
5,800.0	8.49	44.64	5,753.8	450.4	444.7	-380.7	0.00	0.00	0.00	
5,900.0	8.49	44.64	5,852.7	460.9	455.1	-389.6	0.00	0.00	0.00	
6,000.0	8.49	44.64	5,951.6	471.4	465.4	-398.5	0.00	0.00	0.00	
6,100.0	8.49	44.64	6,050.5	481.9	475.8	-407.3	0.00	0.00	0.00	
6,200.0	8.49	44.64	6,149.4	492.4	486.2	-416.2	0.00	0.00	0.00	
6,300.0	8.49	44.64	6,248.3	502.9	496.5	-425.1	0.00	0.00	0.00	
6,400.0	8.49	44.64	6,347.2	513.4	506.9	-434.0	0.00	0.00	0.00	
6,500.0	8.49	44.64	6,446.1	523.9	517.3	-442.9	0.00	0.00	0.00	
6,600.0	8.49	44.64	6,545.0	534.4	527.7	-451.7	0.00	0.00	0.00	
6,700.0	8.49	44.64	6,644.0	544.9	538.0	-460.6	0.00	0.00	0.00	
6,800.0	8.49	44.64	6,742.9	555.4	548.4	-469.5	0.00	0.00	0.00	
6,900.0	8.49	44.64	6,841.8	565.9	558.8	-478.4	0.00	0.00	0.00	
7,000.0	8.49	44.64	6,940.7	576.4	569.1	-487.2	0.00	0.00	0.00	
7,100.0	8.49	44.64	7,039.6	586.9	579.5	-496.1	0.00	0.00	0.00	
7,200.0	8.49	44.64	7,138.5	597.4	589.9	-505.0	0.00	0.00	0.00	
7,300.0	8.49	44.64	7,237.4	607.9	600.3	-513.9	0.00	0.00	0.00	
7,326.1	8.49	44.64	7,263.2	610.7	603.0	-516.2	0.00	0.00	0.00	
7,400.0	7.01	44.64	7,336.4	617.8	610.0	-522.2	2.00	-2.00	0.00	
7,500.0	5.01	44.64	7,435.9	625.2	617.3	-528.5	2.00	-2.00	0.00	
7,600.0	3.01	44.64	7,535.6	630.2	622.2	-532.7	2.00	-2.00	0.00	
7,700.0	1.01	44.64	7,635.5	632.7	624.7	-534.8	2.00	-2.00	0.00	
7,750.5	0.00	0.00	7,686.0	633.0	625.0	-535.1	2.00	-2.00	0.00	
7,800.0	0.00	0.00	7,735.5	633.0	625.0	-535.1	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,835.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,935.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,035.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,135.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,235.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,335.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,435.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,535.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,635.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,735.5	633.0	625.0	-535.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,835.5	633.0	625.0	-535.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,935.5	633.0	625.0	-535.1	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,035.5	633.0	625.0	-535.1	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,135.5	633.0	625.0	-535.1	0.00	0.00	0.00	
9,220.5	0.00	0.00	9,156.0	633.0	625.0	-535.1	0.00	0.00	0.00	
KOP(HT 17 SC #208H)										
9,225.0	0.55	180.00	9,160.5	633.0	625.0	-535.0	12.00	12.00	0.00	
9,250.0	3.55	180.00	9,185.5	632.1	625.0	-534.2	12.00	12.00	0.00	
9,275.0	6.55	180.00	9,210.4	629.9	625.0	-532.0	12.00	12.00	0.00	
9,300.0	9.55	180.00	9,235.2	626.4	625.0	-528.5	12.00	12.00	0.00	
9,325.0	12.55	180.00	9,259.7	621.6	625.0	-523.8	12.00	12.00	0.00	
9,350.0	15.55	180.00	9,284.0	615.5	625.0	-517.8	12.00	12.00	0.00	
9,375.0	18.55	180.00	9,307.9	608.2	625.0	-510.5	12.00	12.00	0.00	
9,400.0	21.55	180.00	9,331.3	599.6	625.0	-502.1	12.00	12.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #208H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3618.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3618.0usft
Site:	Hearthrob 17 State Com	North Reference:	Grid
Well:	#208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

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)	
9,425.0	24.55	180.00	9,354.3	589.8	625.0	-492.4	12.00	12.00	0.00	
9,440.9	26.46	180.00	9,368.7	583.0	625.0	-485.6	12.00	12.00	0.00	
FTP(HT 17 SC #208H)										
9,450.0	27.55	179.98	9,376.8	578.9	625.0	-481.5	12.00	12.00	-0.22	
9,475.0	30.55	179.93	9,398.7	566.7	625.0	-469.5	12.00	12.00	-0.19	
9,500.0	33.55	179.89	9,419.8	553.5	625.0	-456.4	12.00	12.00	-0.16	
9,525.0	36.55	179.86	9,440.3	539.1	625.1	-442.2	12.00	12.00	-0.14	
9,550.0	39.55	179.83	9,460.0	523.7	625.1	-426.9	12.00	12.00	-0.12	
9,575.0	42.55	179.80	9,478.8	507.3	625.2	-410.7	12.00	12.00	-0.11	
9,600.0	45.55	179.77	9,496.8	489.9	625.2	-393.5	12.00	12.00	-0.09	
9,625.0	48.55	179.75	9,513.8	471.6	625.3	-375.4	12.00	12.00	-0.09	
9,650.0	51.55	179.73	9,529.9	452.5	625.4	-356.4	12.00	12.00	-0.08	
9,675.0	54.55	179.72	9,544.9	432.5	625.5	-336.6	12.00	12.00	-0.07	
9,700.0	57.55	179.70	9,558.9	411.7	625.6	-316.1	12.00	12.00	-0.07	
9,725.0	60.55	179.68	9,571.7	390.3	625.7	-294.9	12.00	12.00	-0.06	
9,750.0	63.55	179.67	9,583.5	368.2	625.8	-273.0	12.00	12.00	-0.06	
9,775.0	66.55	179.65	9,594.0	345.6	626.0	-250.6	12.00	12.00	-0.06	
9,800.0	69.55	179.64	9,603.3	322.4	626.1	-227.6	12.00	12.00	-0.05	
9,825.0	72.55	179.63	9,611.5	298.7	626.3	-204.2	12.00	12.00	-0.05	
9,850.0	75.55	179.62	9,618.3	274.7	626.4	-180.4	12.00	12.00	-0.05	
9,875.0	78.55	179.60	9,623.9	250.3	626.6	-156.3	12.00	12.00	-0.05	
9,900.0	81.55	179.59	9,628.3	225.7	626.8	-131.9	12.00	12.00	-0.05	
9,925.0	84.55	179.58	9,631.3	200.9	626.9	-107.3	12.00	12.00	-0.05	
9,950.0	87.55	179.57	9,633.0	176.0	627.1	-82.6	12.00	12.00	-0.05	
9,970.4	90.00	179.56	9,633.4	155.5	627.3	-62.4	12.00	12.00	-0.05	
10,000.0	90.00	179.56	9,633.4	126.0	627.5	-33.1	0.00	0.00	0.00	
10,100.0	90.00	179.56	9,633.4	26.0	628.3	65.9	0.00	0.00	0.00	
10,200.0	90.00	179.56	9,633.4	-74.0	629.0	165.0	0.00	0.00	0.00	
10,300.0	90.00	179.56	9,633.4	-174.0	629.8	264.0	0.00	0.00	0.00	
10,400.0	90.00	179.56	9,633.5	-274.0	630.6	363.0	0.00	0.00	0.00	
10,500.0	90.00	179.56	9,633.5	-374.0	631.3	462.1	0.00	0.00	0.00	
10,600.0	90.00	179.56	9,633.5	-474.0	632.1	561.1	0.00	0.00	0.00	
10,700.0	90.00	179.56	9,633.5	-574.0	632.9	660.2	0.00	0.00	0.00	
10,800.0	90.00	179.56	9,633.5	-674.0	633.6	759.2	0.00	0.00	0.00	
10,900.0	90.00	179.56	9,633.5	-774.0	634.4	858.2	0.00	0.00	0.00	
11,000.0	90.00	179.56	9,633.5	-874.0	635.2	957.3	0.00	0.00	0.00	
11,100.0	90.00	179.56	9,633.5	-974.0	635.9	1,056.3	0.00	0.00	0.00	
11,200.0	90.00	179.56	9,633.5	-1,074.0	636.7	1,155.4	0.00	0.00	0.00	
11,300.0	90.00	179.56	9,633.5	-1,174.0	637.5	1,254.4	0.00	0.00	0.00	
11,400.0	90.00	179.56	9,633.5	-1,274.0	638.2	1,353.4	0.00	0.00	0.00	
11,500.0	90.00	179.56	9,633.5	-1,374.0	639.0	1,452.5	0.00	0.00	0.00	
11,600.0	90.00	179.56	9,633.5	-1,474.0	639.8	1,551.5	0.00	0.00	0.00	
11,700.0	90.00	179.56	9,633.5	-1,574.0	640.6	1,650.6	0.00	0.00	0.00	
11,800.0	90.00	179.56	9,633.5	-1,674.0	641.3	1,749.6	0.00	0.00	0.00	
11,900.0	90.00	179.56	9,633.5	-1,774.0	642.1	1,848.6	0.00	0.00	0.00	
12,000.0	90.00	179.56	9,633.5	-1,874.0	642.9	1,947.7	0.00	0.00	0.00	
12,100.0	90.00	179.56	9,633.5	-1,974.0	643.6	2,046.7	0.00	0.00	0.00	
12,200.0	90.00	179.56	9,633.5	-2,074.0	644.4	2,145.8	0.00	0.00	0.00	
12,300.0	90.00	179.56	9,633.5	-2,174.0	645.2	2,244.8	0.00	0.00	0.00	
12,400.0	90.00	179.56	9,633.5	-2,273.9	645.9	2,343.8	0.00	0.00	0.00	
12,500.0	90.00	179.56	9,633.5	-2,373.9	646.7	2,442.9	0.00	0.00	0.00	
12,600.0	90.00	179.56	9,633.5	-2,473.9	647.5	2,541.9	0.00	0.00	0.00	
12,700.0	90.00	179.56	9,633.5	-2,573.9	648.2	2,641.0	0.00	0.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #208H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3618.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3618.0usft
Site:	Hearthrob 17 State Com	North Reference:	Grid
Well:	#208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

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	90.00	179.56	9,633.5	-2,673.9	649.0	2,740.0	0.00	0.00	0.00	
12,900.0	90.00	179.56	9,633.5	-2,773.9	649.8	2,839.0	0.00	0.00	0.00	
13,000.0	90.00	179.56	9,633.5	-2,873.9	650.5	2,938.1	0.00	0.00	0.00	
13,100.0	90.00	179.56	9,633.5	-2,973.9	651.3	3,037.1	0.00	0.00	0.00	
13,200.0	90.00	179.56	9,633.5	-3,073.9	652.1	3,136.2	0.00	0.00	0.00	
13,300.0	90.00	179.56	9,633.5	-3,173.9	652.8	3,235.2	0.00	0.00	0.00	
13,400.0	90.00	179.56	9,633.5	-3,273.9	653.6	3,334.2	0.00	0.00	0.00	
13,500.0	90.00	179.56	9,633.5	-3,373.9	654.4	3,433.3	0.00	0.00	0.00	
13,600.0	90.00	179.56	9,633.5	-3,473.9	655.1	3,532.3	0.00	0.00	0.00	
13,700.0	90.00	179.56	9,633.5	-3,573.9	655.9	3,631.4	0.00	0.00	0.00	
13,800.0	90.00	179.56	9,633.5	-3,673.9	656.7	3,730.4	0.00	0.00	0.00	
13,900.0	90.00	179.56	9,633.5	-3,773.9	657.4	3,829.4	0.00	0.00	0.00	
14,000.0	90.00	179.56	9,633.5	-3,873.9	658.2	3,928.5	0.00	0.00	0.00	
14,100.0	90.00	179.56	9,633.5	-3,973.9	659.0	4,027.5	0.00	0.00	0.00	
14,200.0	90.00	179.56	9,633.5	-4,073.9	659.8	4,126.6	0.00	0.00	0.00	
14,300.0	90.00	179.56	9,633.5	-4,173.9	660.5	4,225.6	0.00	0.00	0.00	
14,400.0	90.00	179.56	9,633.5	-4,273.9	661.3	4,324.6	0.00	0.00	0.00	
14,500.0	90.00	179.56	9,633.5	-4,373.9	662.1	4,423.7	0.00	0.00	0.00	
14,600.0	90.00	179.56	9,633.5	-4,473.9	662.8	4,522.7	0.00	0.00	0.00	
14,623.1	90.00	179.56	9,633.5	-4,497.0	663.0	4,545.6	0.00	0.00	0.00	
PBHL(HT 17 SC #208H)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP(HT 17 SC #208H) - hit/miss target - Shape - Point	0.00	0.00	9,156.0	633.0	625.0	446,309.00	771,843.00	32° 13' 29.214 N	103° 35' 16.524 W	
FTP(HT 17 SC #208H) - plan hits target center - Point	0.00	0.00	9,368.7	583.0	625.0	446,259.00	771,843.00	32° 13' 28.720 N	103° 35' 16.528 W	
PBHL(HT 17 SC #208H) - plan hits target center - Point	0.00	0.00	9,633.5	-4,497.0	663.0	441,179.00	771,881.00	32° 12' 38.449 N	103° 35' 16.496 W	

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 15313

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	15313	Action Type:	C-103A
OCD Reviewer									Condition
pkautz									None