

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. 30-025-47138
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
4. Well Location Unit Letter <u>C</u> : <u>725</u> feet from the <u>NORTH</u> line and <u>1306</u> feet from the <u>WEST</u> Section <u>17</u> Township <u>24S</u> Range <u>33E</u> NMPM County <u>LEA CO NM</u>		8. Well Number <u>202H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3575 GL		9. OGRID Number 7377
		10. Pool name or Wildcat TRIPLE X; BONESPRING, 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: <u>APD CHANGE</u>	☒

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 and amendment to our approved APD for this well to reflect the following changes:
 Change surface hole size to 16"
 Option to drill curve and lateral with as 7-7/8" or 8-1/2"
 Change bottom hole location to T-24-S R-33-E Section 17 100 feet FSL 660 feet FWL 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 Star L Harrell TITLE Sr. Regulatory Specialist DATE 1-25-2021

Type or print name Star L Harrell E-mail address: sharrell@eogresources.com PHONE: 432-848-9161

For State Use Only

APPROVED BY: [Signature] TITLE _____ DATE 01/29/2021

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 30-025-47138	² Pool Code 96674	³ Pool Name Triple X; Bone Spring, West
⁴ Property Code 319771	⁵ Property Name HEARTTHROB 17 STATE	⁶ Well Number #202H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3575'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	24-S	33-E	-	725'	NORTH	1306'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

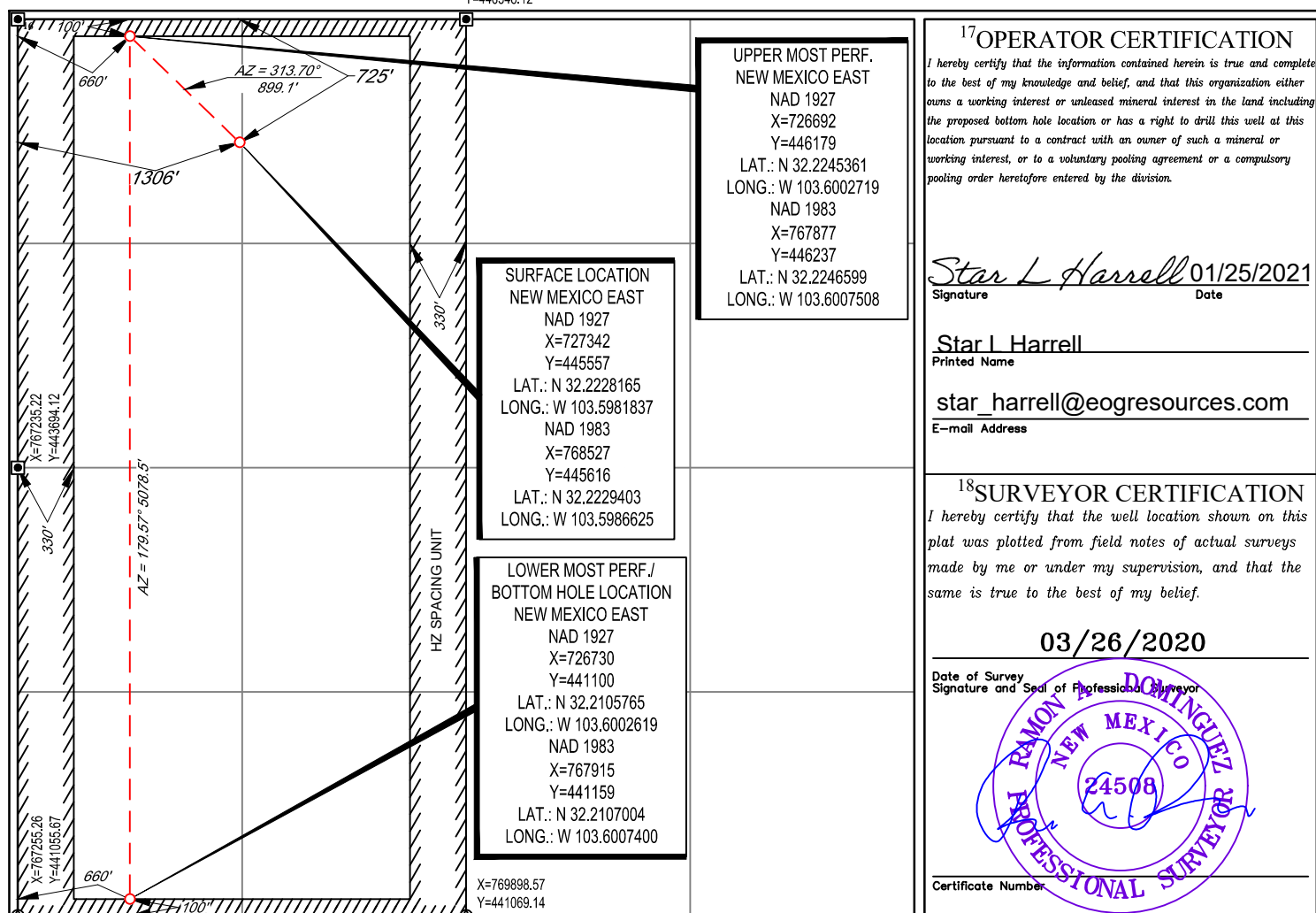
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	24-S	33-E	-	100'	SOUTH	660'	WEST	LEA

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.

X=767215.82
Y=446333.81

X=769859.36
Y=446348.12

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.

Star L Harrell 01/25/2021
Signature Date

Star L Harrell
Printed Name

star_harrell@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

RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR
Certificate Number

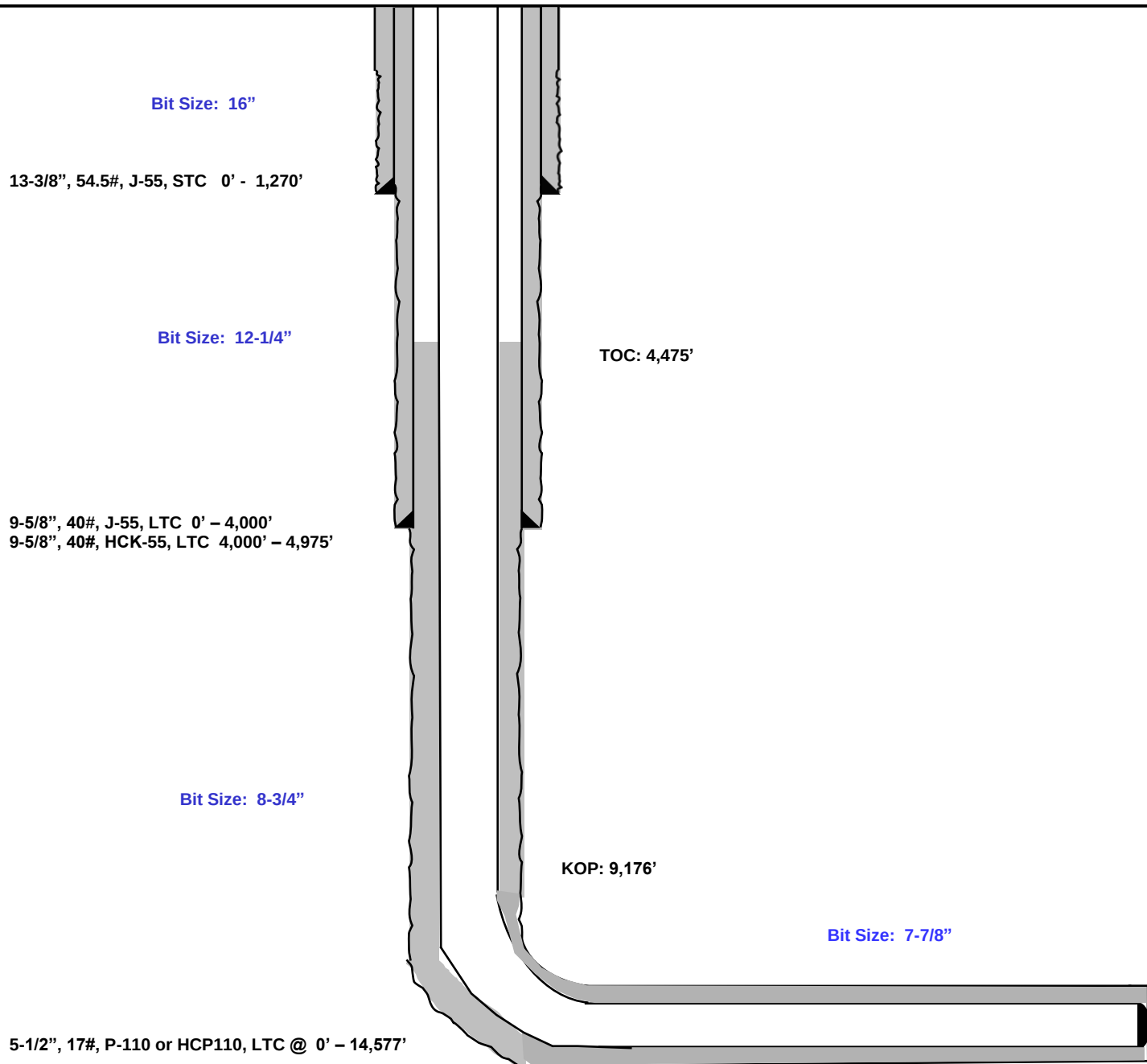
Heartthrob 17 State #202H
Lea County, New Mexico

725' FNL
1306' FWL
Section 17
T-24-S, R-33-E

Revised Wellbore
1/21/2021

API: 30-025-47138

KB: 3,600'
GL: 3,575'



Lateral: 14,577' MD, 9,582' TVD
BH Location: 100' FSL & 660' FWL
Section 17
T-24-S, R-33-E

EOG RESOURCES, INC.
HEARTTHROB 17 STATE #202H

Revised Permit Information 1/21/2021:

Well Name: Heartthrob 17 State #202H

Location:

SHL: 725' FNL & 1306' FWL, Section 17, T-24-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 660' FWL, 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' – 9,176'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
7.875"	9,176' – 14,577'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

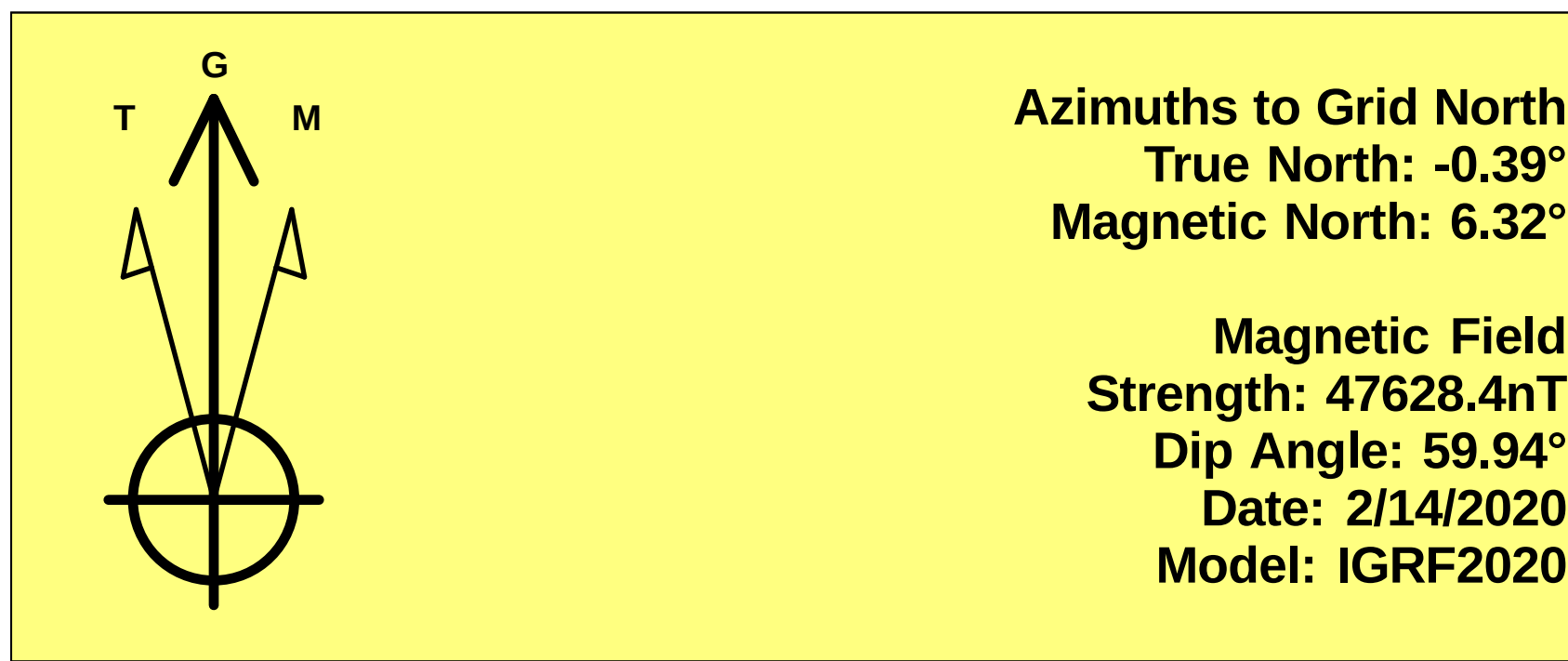
Cement Program:

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
14,577'	480	11.0	3.21	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,475')
	1,060	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' – 9,176'	Cut Brine	8.4-9.0	28-34	N/c
9,176' – 14,577' Lateral	Oil Base	9.0-9.5	40-42	8-10

EOG respectfully requests to retain the option to drill 8-1/2" production hole in the curve and lateral.



To convert a Magnetic Direction to a Grid Direction, Add 6.32°
To convert a Magnetic Direction to a True Direction, Add 6.71° East
To convert a True Direction to a Grid Direction, Subtract 0.39°

Lea County, NM (NAD 83 NME)

Heartthrob 17 State #202H

Plan #0.3

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: #202H

KB = 25' @ 3600.0usft 3575.0

Northing	Easting	Latitude	Longitude
445616.00	768527.00	32° 13' 22.583 N	103° 35' 55.181 W

SECTION DETAILS

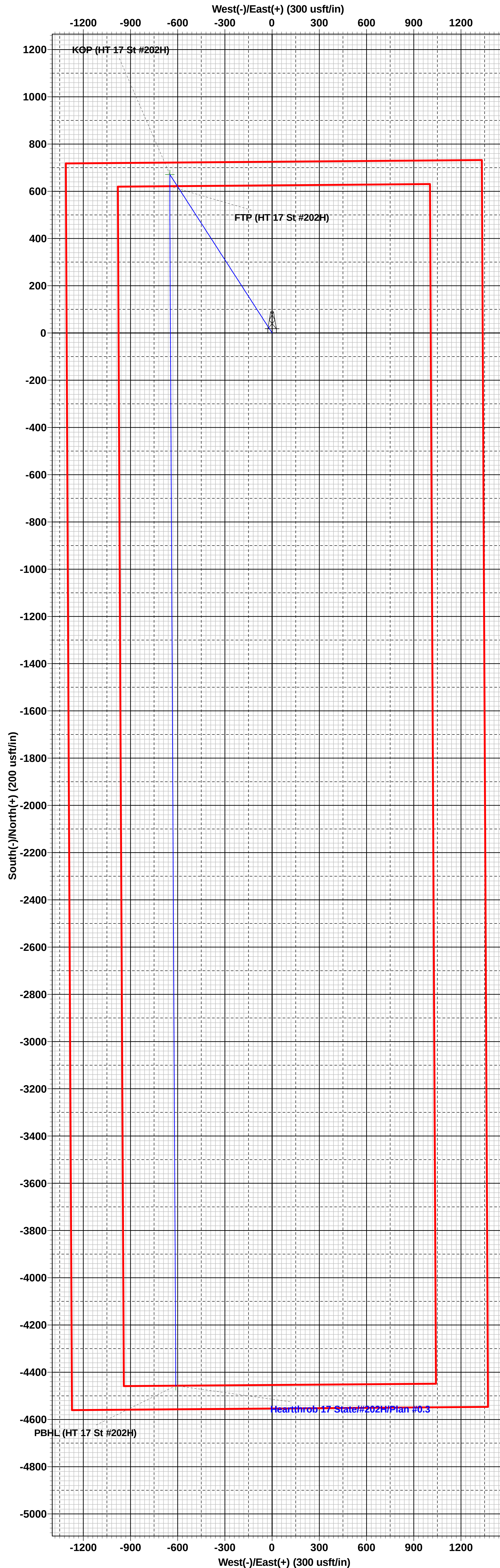
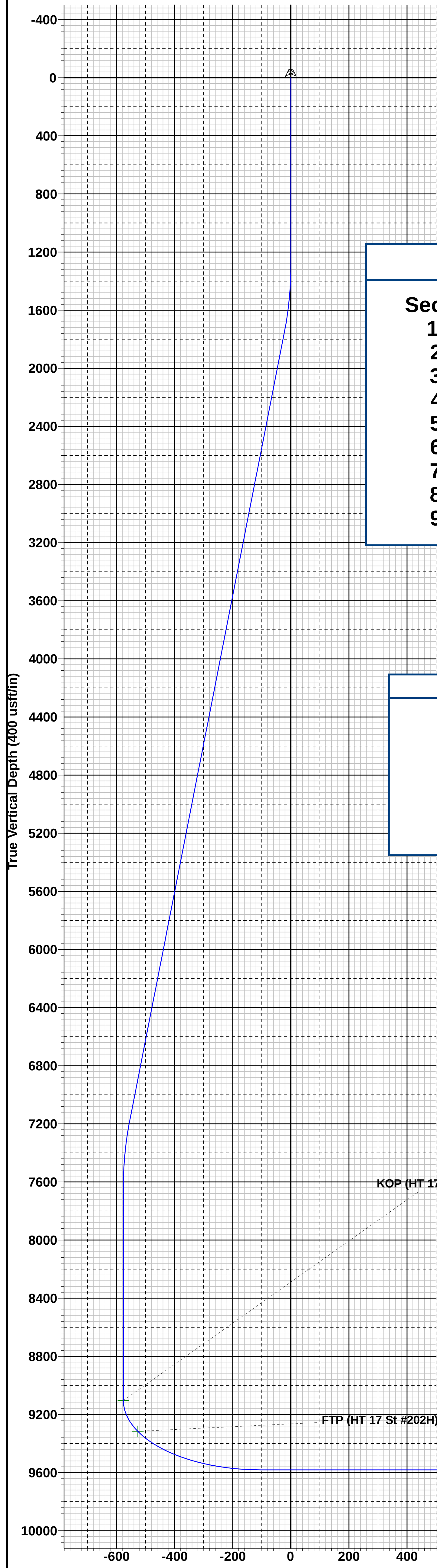
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1751.8	9.04	315.91	1749.9	25.5	-24.7	2.00	315.91	-21.9	
4	7247.1	9.04	315.91	7177.1	645.5	-625.3	0.00	0.00	-554.4	
5	7698.9	0.00	0.00	7627.0	671.0	-650.0	2.00	180.00	-576.3	
6	9175.9	0.00	0.00	9104.0	671.0	-650.0	0.00	0.00	-576.3	KOP (HT 17 St #202H)
7	9396.4	26.46	180.00	9316.7	621.0	-650.0	12.00	180.00	-526.8	FTP (HT 17 St #202H)
8	9925.9	90.00	179.56	9581.4	193.5	-647.7	12.00	-0.49	-103.6	
9	14576.6	90.00	179.56	9581.5	-4457.0	-612.0	0.00	0.00	4498.8	PBHL (HT 17 St #202H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (HT 17 St #202H)	9104.0	671.0	-650.0	446287.00	767877.00
FTP (HT 17 St #202H)	9316.7	621.0	-650.0	446237.00	767877.00
PBHL (HT 17 St #202H)	9581.5	-4457.0	-612.0	441159.00	767915.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Heartthrob 17 State

#202H

OH

Plan: Plan #0.3

Standard Planning Report

21 January, 2021

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #202H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3600.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3600.0usft
Site:	Heartthrob 17 State	North Reference:	Grid
Well:	#202H	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	Heartthrob 17 State		
Site Position:		Northing:	441,886.00 usft
From:	Map	Easting:	767,698.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 45.730 N
		Longitude:	103° 36' 5.126 W
		Grid Convergence:	0.39 °

Well	#202H					
Well Position	+N/-S	3,730.0 usft	Northing:	445,616.00 usft	Latitude:	32° 13' 22.583 N
	+E/-W	829.0 usft	Easting:	768,527.00 usft	Longitude:	103° 35' 55.181 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,575.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/14/2020	6.71	59.94	47,628.37382729

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	187.82

Plan Survey Tool Program	Date	1/21/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	14,576.6	Plan #0.3 (OH)	EOG MWD+IFR1
				MWD + IFR1



EOG Resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference	Well #202H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3600.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3600.0usft
Site:	Heartthrob 17 State	North Reference:	Grid
Well:	#202H	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	
1,751.8	9.04	315.91	1,749.9	25.5	-24.7	2.00	2.00	0.00	315.91	
7,247.1	9.04	315.91	7,177.1	645.5	-625.3	0.00	0.00	0.00	0.00	
7,698.9	0.00	0.01	7,627.0	671.0	-650.0	2.00	-2.00	0.00	180.00	
9,175.9	0.00	0.01	9,104.0	671.0	-650.0	0.00	0.00	0.00	0.00	KOP (HT 17 St #202H)
9,396.4	26.46	180.00	9,316.7	621.0	-650.0	12.00	12.00	81.65	180.00	FTP (HT 17 St #202H)
9,925.9	90.00	179.56	9,581.4	193.5	-647.7	12.00	12.00	-0.08	-0.49	
14,576.6	90.00	179.56	9,581.5	-4,457.0	-612.0	0.00	0.00	0.00	0.00	PBHL (HT 17 St #202H)

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #202H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3600.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3600.0usft
Site:	Hearthrob 17 State	North Reference:	Grid
Well:	#202H	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	315.91	1,400.0	1.3	-1.2	-1.1	2.00	2.00	0.00	
1,500.0	4.00	315.91	1,499.8	5.0	-4.9	-4.3	2.00	2.00	0.00	
1,600.0	6.00	315.91	1,599.5	11.3	-10.9	-9.7	2.00	2.00	0.00	
1,700.0	8.00	315.91	1,698.7	20.0	-19.4	-17.2	2.00	2.00	0.00	
1,751.8	9.04	315.91	1,749.9	25.5	-24.7	-21.9	2.00	2.00	0.00	
1,800.0	9.04	315.91	1,797.5	31.0	-30.0	-26.6	0.00	0.00	0.00	
1,900.0	9.04	315.91	1,896.3	42.3	-40.9	-36.3	0.00	0.00	0.00	
2,000.0	9.04	315.91	1,995.0	53.5	-51.9	-46.0	0.00	0.00	0.00	
2,100.0	9.04	315.91	2,093.8	64.8	-62.8	-55.7	0.00	0.00	0.00	
2,200.0	9.04	315.91	2,192.6	76.1	-73.7	-65.4	0.00	0.00	0.00	
2,300.0	9.04	315.91	2,291.3	87.4	-84.6	-75.1	0.00	0.00	0.00	
2,400.0	9.04	315.91	2,390.1	98.7	-95.6	-84.7	0.00	0.00	0.00	
2,500.0	9.04	315.91	2,488.8	109.9	-106.5	-94.4	0.00	0.00	0.00	
2,600.0	9.04	315.91	2,587.6	121.2	-117.4	-104.1	0.00	0.00	0.00	
2,700.0	9.04	315.91	2,686.4	132.5	-128.4	-113.8	0.00	0.00	0.00	
2,800.0	9.04	315.91	2,785.1	143.8	-139.3	-123.5	0.00	0.00	0.00	
2,900.0	9.04	315.91	2,883.9	155.1	-150.2	-133.2	0.00	0.00	0.00	
3,000.0	9.04	315.91	2,982.6	166.3	-161.1	-142.9	0.00	0.00	0.00	
3,100.0	9.04	315.91	3,081.4	177.6	-172.1	-152.6	0.00	0.00	0.00	
3,200.0	9.04	315.91	3,180.2	188.9	-183.0	-162.3	0.00	0.00	0.00	
3,300.0	9.04	315.91	3,278.9	200.2	-193.9	-171.9	0.00	0.00	0.00	
3,400.0	9.04	315.91	3,377.7	211.5	-204.9	-181.6	0.00	0.00	0.00	
3,500.0	9.04	315.91	3,476.4	222.7	-215.8	-191.3	0.00	0.00	0.00	
3,600.0	9.04	315.91	3,575.2	234.0	-226.7	-201.0	0.00	0.00	0.00	
3,700.0	9.04	315.91	3,674.0	245.3	-237.6	-210.7	0.00	0.00	0.00	
3,800.0	9.04	315.91	3,772.7	256.6	-248.6	-220.4	0.00	0.00	0.00	
3,900.0	9.04	315.91	3,871.5	267.9	-259.5	-230.1	0.00	0.00	0.00	
4,000.0	9.04	315.91	3,970.2	279.2	-270.4	-239.8	0.00	0.00	0.00	
4,100.0	9.04	315.91	4,069.0	290.4	-281.3	-249.5	0.00	0.00	0.00	
4,200.0	9.04	315.91	4,167.7	301.7	-292.3	-259.2	0.00	0.00	0.00	
4,300.0	9.04	315.91	4,266.5	313.0	-303.2	-268.8	0.00	0.00	0.00	
4,400.0	9.04	315.91	4,365.3	324.3	-314.1	-278.5	0.00	0.00	0.00	
4,500.0	9.04	315.91	4,464.0	335.6	-325.1	-288.2	0.00	0.00	0.00	
4,600.0	9.04	315.91	4,562.8	346.8	-336.0	-297.9	0.00	0.00	0.00	
4,700.0	9.04	315.91	4,661.5	358.1	-346.9	-307.6	0.00	0.00	0.00	
4,800.0	9.04	315.91	4,760.3	369.4	-357.8	-317.3	0.00	0.00	0.00	
4,900.0	9.04	315.91	4,859.1	380.7	-368.8	-327.0	0.00	0.00	0.00	
5,000.0	9.04	315.91	4,957.8	392.0	-379.7	-336.7	0.00	0.00	0.00	
5,100.0	9.04	315.91	5,056.6	403.2	-390.6	-346.4	0.00	0.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #202H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3600.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3600.0usft
Site:	Hearthrob 17 State	North Reference:	Grid
Well:	#202H	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	9.04	315.91	5,155.3	414.5	-401.6	-356.0	0.00	0.00	0.00	
5,300.0	9.04	315.91	5,254.1	425.8	-412.5	-365.7	0.00	0.00	0.00	
5,400.0	9.04	315.91	5,352.9	437.1	-423.4	-375.4	0.00	0.00	0.00	
5,500.0	9.04	315.91	5,451.6	448.4	-434.3	-385.1	0.00	0.00	0.00	
5,600.0	9.04	315.91	5,550.4	459.7	-445.3	-394.8	0.00	0.00	0.00	
5,700.0	9.04	315.91	5,649.1	470.9	-456.2	-404.5	0.00	0.00	0.00	
5,800.0	9.04	315.91	5,747.9	482.2	-467.1	-414.2	0.00	0.00	0.00	
5,900.0	9.04	315.91	5,846.6	493.5	-478.0	-423.9	0.00	0.00	0.00	
6,000.0	9.04	315.91	5,945.4	504.8	-489.0	-433.6	0.00	0.00	0.00	
6,100.0	9.04	315.91	6,044.2	516.1	-499.9	-443.3	0.00	0.00	0.00	
6,200.0	9.04	315.91	6,142.9	527.3	-510.8	-452.9	0.00	0.00	0.00	
6,300.0	9.04	315.91	6,241.7	538.6	-521.8	-462.6	0.00	0.00	0.00	
6,400.0	9.04	315.91	6,340.4	549.9	-532.7	-472.3	0.00	0.00	0.00	
6,500.0	9.04	315.91	6,439.2	561.2	-543.6	-482.0	0.00	0.00	0.00	
6,600.0	9.04	315.91	6,538.0	572.5	-554.5	-491.7	0.00	0.00	0.00	
6,700.0	9.04	315.91	6,636.7	583.7	-565.5	-501.4	0.00	0.00	0.00	
6,800.0	9.04	315.91	6,735.5	595.0	-576.4	-511.1	0.00	0.00	0.00	
6,900.0	9.04	315.91	6,834.2	606.3	-587.3	-520.8	0.00	0.00	0.00	
7,000.0	9.04	315.91	6,933.0	617.6	-598.3	-530.5	0.00	0.00	0.00	
7,100.0	9.04	315.91	7,031.8	628.9	-609.2	-540.1	0.00	0.00	0.00	
7,200.0	9.04	315.91	7,130.5	640.1	-620.1	-549.8	0.00	0.00	0.00	
7,247.1	9.04	315.91	7,177.1	645.5	-625.3	-554.4	0.00	0.00	0.00	
7,300.0	7.98	315.91	7,229.3	651.1	-630.7	-559.2	2.00	-2.00	0.00	
7,400.0	5.98	315.91	7,328.6	659.8	-639.2	-566.7	2.00	-2.00	0.00	
7,500.0	3.98	315.91	7,428.2	666.0	-645.2	-572.1	2.00	-2.00	0.00	
7,600.0	1.98	315.91	7,528.1	669.8	-648.8	-575.3	2.00	-2.00	0.00	
7,698.9	0.00	0.01	7,627.0	671.0	-650.0	-576.3	2.00	-2.00	0.00	
7,700.0	0.00	0.00	7,628.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,728.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,828.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,928.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,028.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,128.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,228.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,328.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,428.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,528.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,628.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,728.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,828.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,928.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,028.1	671.0	-650.0	-576.3	0.00	0.00	0.00	
9,175.9	0.00	0.01	9,104.0	671.0	-650.0	-576.3	0.00	0.00	0.00	
KOP (HT 17 St #202H)										
9,200.0	2.89	180.00	9,128.0	670.4	-650.0	-575.7	12.00	12.00	0.00	
9,225.0	5.89	180.00	9,153.0	668.5	-650.0	-573.8	12.00	12.00	0.00	
9,250.0	8.89	180.00	9,177.8	665.3	-650.0	-570.7	12.00	12.00	0.00	
9,275.0	11.89	180.00	9,202.3	660.8	-650.0	-566.2	12.00	12.00	0.00	
9,300.0	14.89	180.00	9,226.7	655.0	-650.0	-560.5	12.00	12.00	0.00	
9,325.0	17.89	180.00	9,250.6	647.9	-650.0	-553.5	12.00	12.00	0.00	
9,350.0	20.89	180.00	9,274.2	639.6	-650.0	-545.3	12.00	12.00	0.00	
9,375.0	23.89	180.00	9,297.3	630.1	-650.0	-535.8	12.00	12.00	0.00	
9,396.4	26.46	180.00	9,316.7	621.0	-650.0	-526.8	12.00	12.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #202H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3600.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3600.0usft
Site:	Hearthrob 17 State	North Reference:	Grid
Well:	#202H	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)
FTP (HT 17 St #202H)									
9,400.0	26.89	179.99	9,319.9	619.4	-650.0	-525.2	12.00	12.00	-0.23
9,425.0	29.89	179.94	9,341.9	607.5	-650.0	-513.4	12.00	12.00	-0.20
9,450.0	32.89	179.90	9,363.3	594.5	-650.0	-500.5	12.00	12.00	-0.17
9,475.0	35.89	179.86	9,383.9	580.4	-649.9	-486.5	12.00	12.00	-0.14
9,500.0	38.89	179.83	9,403.7	565.2	-649.9	-471.5	12.00	12.00	-0.12
9,525.0	41.89	179.80	9,422.8	549.0	-649.9	-455.5	12.00	12.00	-0.11
9,550.0	44.89	179.78	9,440.9	531.8	-649.8	-438.5	12.00	12.00	-0.10
9,575.0	47.89	179.76	9,458.2	513.7	-649.7	-420.6	12.00	12.00	-0.09
9,600.0	50.89	179.74	9,474.5	494.7	-649.6	-401.8	12.00	12.00	-0.08
9,625.0	53.89	179.72	9,489.7	474.9	-649.5	-382.2	12.00	12.00	-0.07
9,650.0	56.89	179.70	9,503.9	454.4	-649.4	-361.8	12.00	12.00	-0.07
9,675.0	59.89	179.69	9,517.0	433.1	-649.3	-340.7	12.00	12.00	-0.06
9,700.0	62.89	179.67	9,529.0	411.1	-649.2	-319.0	12.00	12.00	-0.06
9,725.0	65.89	179.66	9,539.8	388.6	-649.1	-296.7	12.00	12.00	-0.06
9,750.0	68.89	179.64	9,549.4	365.5	-648.9	-273.8	12.00	12.00	-0.05
9,775.0	71.89	179.63	9,557.8	342.0	-648.8	-250.5	12.00	12.00	-0.05
9,800.0	74.89	179.62	9,564.9	318.0	-648.6	-226.8	12.00	12.00	-0.05
9,825.0	77.89	179.61	9,570.8	293.7	-648.5	-202.8	12.00	12.00	-0.05
9,850.0	80.89	179.59	9,575.4	269.1	-648.3	-178.5	12.00	12.00	-0.05
9,875.0	83.89	179.58	9,578.7	244.4	-648.1	-153.9	12.00	12.00	-0.05
9,900.0	86.89	179.57	9,580.7	219.5	-647.9	-129.3	12.00	12.00	-0.05
9,925.9	90.00	179.56	9,581.4	193.5	-647.7	-103.6	12.00	12.00	-0.05
10,000.0	90.00	179.56	9,581.4	119.5	-647.2	-30.3	0.00	0.00	0.00
10,100.0	90.00	179.56	9,581.4	19.5	-646.4	68.6	0.00	0.00	0.00
10,200.0	90.00	179.56	9,581.4	-80.5	-645.6	167.6	0.00	0.00	0.00
10,300.0	90.00	179.56	9,581.5	-180.5	-644.9	266.6	0.00	0.00	0.00
10,400.0	90.00	179.56	9,581.5	-280.5	-644.1	365.5	0.00	0.00	0.00
10,500.0	90.00	179.56	9,581.5	-380.5	-643.3	464.5	0.00	0.00	0.00
10,600.0	90.00	179.56	9,581.5	-480.5	-642.5	563.5	0.00	0.00	0.00
10,700.0	90.00	179.56	9,581.5	-580.5	-641.8	662.4	0.00	0.00	0.00
10,800.0	90.00	179.56	9,581.5	-680.5	-641.0	761.4	0.00	0.00	0.00
10,900.0	90.00	179.56	9,581.5	-780.5	-640.2	860.3	0.00	0.00	0.00
11,000.0	90.00	179.56	9,581.5	-880.5	-639.5	959.3	0.00	0.00	0.00
11,100.0	90.00	179.56	9,581.5	-980.5	-638.7	1,058.3	0.00	0.00	0.00
11,200.0	90.00	179.56	9,581.5	-1,080.5	-637.9	1,157.2	0.00	0.00	0.00
11,300.0	90.00	179.56	9,581.5	-1,180.5	-637.2	1,256.2	0.00	0.00	0.00
11,400.0	90.00	179.56	9,581.5	-1,280.5	-636.4	1,355.2	0.00	0.00	0.00
11,500.0	90.00	179.56	9,581.5	-1,380.5	-635.6	1,454.1	0.00	0.00	0.00
11,600.0	90.00	179.56	9,581.5	-1,480.5	-634.9	1,553.1	0.00	0.00	0.00
11,700.0	90.00	179.56	9,581.5	-1,580.5	-634.1	1,652.0	0.00	0.00	0.00
11,800.0	90.00	179.56	9,581.5	-1,680.5	-633.3	1,751.0	0.00	0.00	0.00
11,900.0	90.00	179.56	9,581.5	-1,780.5	-632.6	1,850.0	0.00	0.00	0.00
12,000.0	90.00	179.56	9,581.5	-1,880.5	-631.8	1,948.9	0.00	0.00	0.00
12,100.0	90.00	179.56	9,581.5	-1,980.5	-631.0	2,047.9	0.00	0.00	0.00
12,200.0	90.00	179.56	9,581.5	-2,080.5	-630.3	2,146.9	0.00	0.00	0.00
12,300.0	90.00	179.56	9,581.5	-2,180.5	-629.5	2,245.8	0.00	0.00	0.00
12,400.0	90.00	179.56	9,581.5	-2,280.5	-628.7	2,344.8	0.00	0.00	0.00
12,500.0	90.00	179.56	9,581.5	-2,380.5	-628.0	2,443.7	0.00	0.00	0.00
12,600.0	90.00	179.56	9,581.5	-2,480.5	-627.2	2,542.7	0.00	0.00	0.00
12,700.0	90.00	179.56	9,581.5	-2,580.4	-626.4	2,641.7	0.00	0.00	0.00
12,800.0	90.00	179.56	9,581.5	-2,680.4	-625.6	2,740.6	0.00	0.00	0.00
12,900.0	90.00	179.56	9,581.5	-2,780.4	-624.9	2,839.6	0.00	0.00	0.00

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #202H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3600.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3600.0usft
Site:	Hearthrob 17 State	North Reference:	Grid
Well:	#202H	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)	
13,000.0	90.00	179.56	9,581.5	-2,880.4	-624.1	2,938.6	0.00	0.00	0.00	
13,100.0	90.00	179.56	9,581.5	-2,980.4	-623.3	3,037.5	0.00	0.00	0.00	
13,200.0	90.00	179.56	9,581.5	-3,080.4	-622.6	3,136.5	0.00	0.00	0.00	
13,300.0	90.00	179.56	9,581.5	-3,180.4	-621.8	3,235.5	0.00	0.00	0.00	
13,400.0	90.00	179.56	9,581.5	-3,280.4	-621.0	3,334.4	0.00	0.00	0.00	
13,500.0	90.00	179.56	9,581.5	-3,380.4	-620.3	3,433.4	0.00	0.00	0.00	
13,600.0	90.00	179.56	9,581.5	-3,480.4	-619.5	3,532.3	0.00	0.00	0.00	
13,700.0	90.00	179.56	9,581.5	-3,580.4	-618.7	3,631.3	0.00	0.00	0.00	
13,800.0	90.00	179.56	9,581.5	-3,680.4	-618.0	3,730.3	0.00	0.00	0.00	
13,900.0	90.00	179.56	9,581.5	-3,780.4	-617.2	3,829.2	0.00	0.00	0.00	
14,000.0	90.00	179.56	9,581.5	-3,880.4	-616.4	3,928.2	0.00	0.00	0.00	
14,100.0	90.00	179.56	9,581.5	-3,980.4	-615.7	4,027.2	0.00	0.00	0.00	
14,200.0	90.00	179.56	9,581.5	-4,080.4	-614.9	4,126.1	0.00	0.00	0.00	
14,300.0	90.00	179.56	9,581.5	-4,180.4	-614.1	4,225.1	0.00	0.00	0.00	
14,400.0	90.00	179.56	9,581.5	-4,280.4	-613.4	4,324.0	0.00	0.00	0.00	
14,500.0	90.00	179.56	9,581.5	-4,380.4	-612.6	4,423.0	0.00	0.00	0.00	
14,576.6	90.00	179.56	9,581.5	-4,457.0	-612.0	4,498.8	0.00	0.00	0.00	
PBHL (HT 17 St #202H)										

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 St #202H) - plan hits target center - Point	0.00	0.01	9,104.0	671.0	-650.0	446,287.00	767,877.00	32° 13' 29.267 N	103° 36' 2.694 W	
FTP (HT 17 St #202H) - plan hits target center - Point	0.00	0.01	9,316.7	621.0	-650.0	446,237.00	767,877.00	32° 13' 28.772 N	103° 36' 2.698 W	
PBHL (HT 17 St #202H) - plan hits target center - Point	0.00	0.01	9,581.5	-4,457.0	-612.0	441,159.00	767,915.00	32° 12' 38.521 N	103° 36' 2.658 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 15571

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	15571	Action Type:	C-103A
OCD Reviewer									Condition
pkautz									None