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. 30-025-49596
	5. Indicate Type of Lease: STATE ☒ FEE ☐
	6. State Oil & Gas Lease No. 331808
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: Honey Buzzard 35 South State Com
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 702H
2. Name of Operator: EOG Resources, Inc.	9. OGRID Number 7377
3. Address of Operator: P.O. Box 2267, Midland, Texas 79702	10. Pool name or Wildcat: 98116 WC-025 G-09 S253402N; Wcmp

4. Well Location
Unit Letter__L________:__2304________feet from the _South____ line and _1210_____feet from the West______line
Section 35 24S Township 34E Range NESW Lea County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3401' GR

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: ☐	

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 BHL from T-25-S, R-34-E, Sec 2, 100' FSL, 660' FWL, Lea Co., NM,
to T-25-S, R-34-E, Sec 2, 100' FSL, 990' FWL, Lea Co., N.M.
Update casing and cement program to current design.
EOG requests execution of Variance 3a (attached) to offline cement the intermediate sections.

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_9/26/2022_________

Type or print name Star Harrell_________ E-mail address: star_harrell@eogresources.com______ PHONE: 432-848-9161_____

For State Use Only

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

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

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-025-49596	98116	WC-025 G-09 S253402H; Wolfcamp

[4]Property Code	[5]Property Name	[6]Well Number
331808	HONEY BUZZARD 35 SOUTH STATE COM	702H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3401'

[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
L	35	24-S	34-E	-	2304'	SOUTH	1210'	WEST	LEA

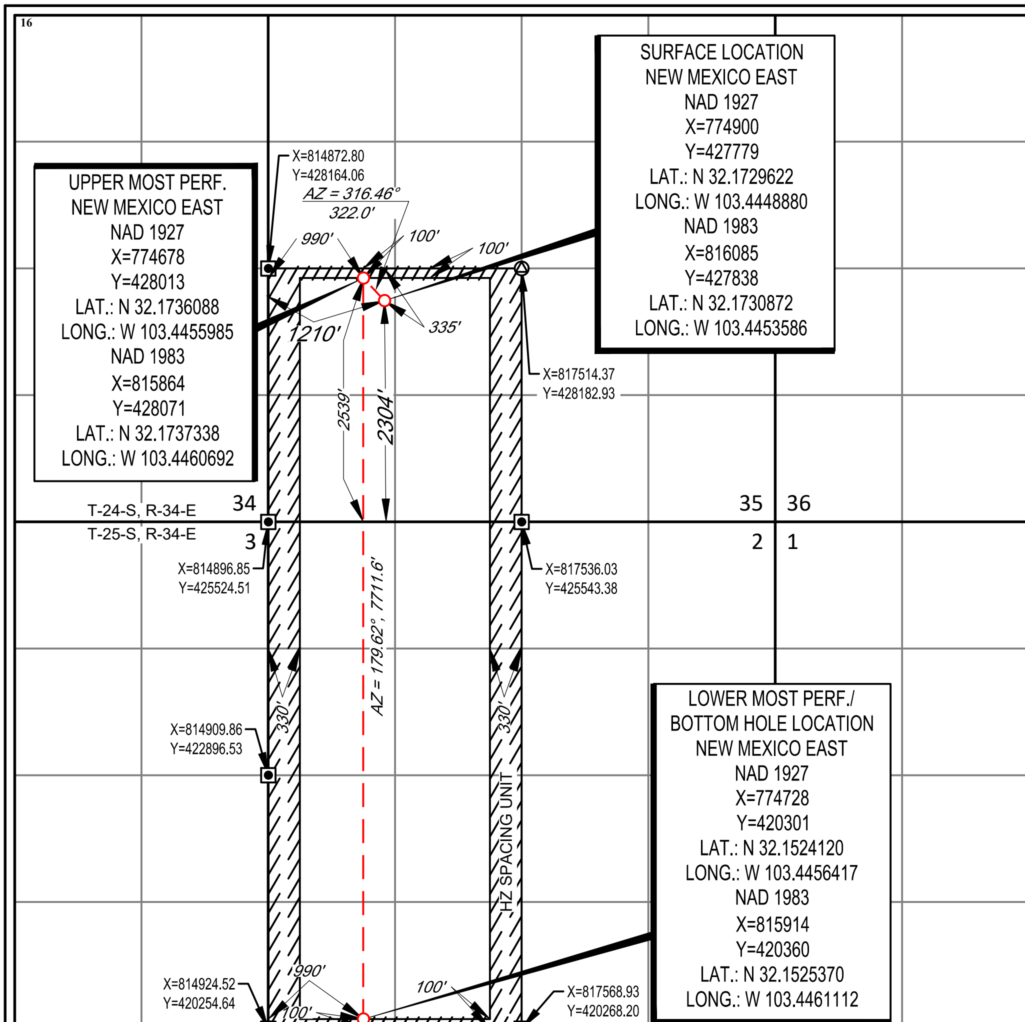
[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	25-S	34-E	-	100'	SOUTH	990'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
479.56			

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.

16



[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.

Star L Harrell 9/26/22
Signature Date

Star L Harrell
Printed Name

star_harrell@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.

10/16/2020
Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

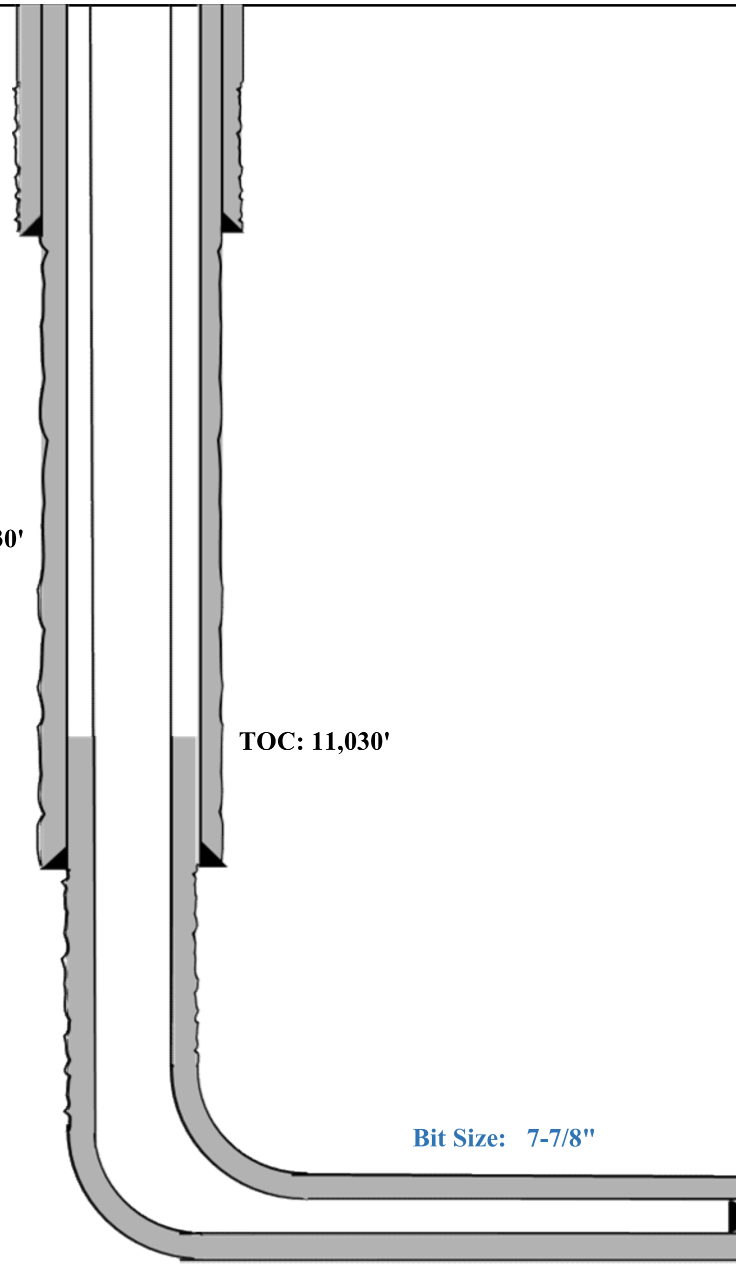
eog resources

Honey Buzzard 35 South State Com #702H
Lea County, New Mexico
Revised Wellbore

2304' FSL
1210' FWL
Section 35
T-24-S, R-34-E

KB: 3426'
GL: 3401'

API: 30-025-49596



Bit Size: 13-1/2"
10-3/4", 40.5#, J-55, STC, 0' - 1,160'

Bit Size: 9-7/8"
8-3/4", 38.5#, P110-EC, VAM Sprint-SF, 0' - 11,530'

TOC: 11,030'

Bit Size: 7-7/8"
6", 24.5#, ICYP-110, TXP BTC
@ 0' - 20,066'

Bit Size: 7-7/8"

KOP: 12,032'

Lateral: 20,066' MD, 12,500' TVD
BH Location: 100' FSL & 990' FWL
Sec. 2
T-25-S R-34-E

eog resources

Honey Buzzard 35 South State Com #702H

Permit Information:

Well Name: Honey Buzzard 35 South State Com #702H

Location:

SHL: 2304' FSL & 1210' FWL, Section 35, T-24-S, R-34-E, Lea Co., N.M.

BHL: 100' FSL & 990' FWL, Section 2, T-25-S, R-34-E, Lea Co., N.M.

<u>Design A</u>

Casing Program:

Hole Size	Interval MD From (ft)	Interval MD To (ft)	Interval TVD From (ft)	Interval TVD To (ft)	Csg OD	Weight	Grade	Conn
13-1/2"	0	1,160	0	1,160	10-3/4"	40.5#	J-55	STC
9-7/8"	0	11,540	0	11,530	8-3/4"	38.5#	P110-EC	VAM Sprint-SF
7-7/8"	0	20,066	0	12,500	6"	24.5#	ICYP-110	TXP BTC

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,160'	340	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	90	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
11,530'	490	14.2	1.11	1st Stage (Tail): Class C + 5% Salt (TOC @ 7,840')
	1520	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
20,066'	1310	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,030')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,160'	Fresh - Gel	8.6-8.8	28-34	N/c
1,160' – 11,530'	Brine	10.0-10.2	28-34	N/c
11,530’ – 12,032'	Oil Base	8.7-9.4	58-68	N/c - 6
12,032' – 20,066’ Lateral	Oil Base	10.0-14.0	58-68	4 - 6

Midland

Lea County, NM (NAD 83 NME)
Honey Buzzard 35 South State Com
#702H
142779
OH

Plan: Plan #0.2

Standard Planning Report

23 September, 2022

eog resources

Planning Report

eog resources

Database:	PEDM	**Local Co-ordinate Reference:**	Well #702H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3427.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3427.0usft
Site:	Honey Buzzard 35 South State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	Honey Buzzard 35 South State Com				
Site Position:		**Northing:**	427,838.00 usft	**Latitude:**	32° 10' 23.118 N
From:	Map	**Easting:**	816,070.00 usft	**Longitude:**	103° 26' 43.471 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well	#702H						
Well Position	**+N/-S**	0.0 usft	**Northing:**	427,838.00 usft	**Latitude:**	32° 10' 23.117 N
	+E/-W	0.0 usft	**Easting:**	816,085.00 usft	**Longitude:**	103° 26' 43.297 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,401.0 usft
Grid Convergence:		0.47 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/18/2022	6.32	59.83	47,336.67876768

Design Plan #0.2

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	181.31

Plan Survey Tool Program **Date** 9/23/2022

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,066.1	Plan #0.2 (OH)	EOG MWD+IFR1 MWD + IFR1	

eog resources

Planning Report

eog resources

Database:	PEDM	**Local Co-ordinate Reference:**	Well #702H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3427.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3427.0usft
Site:	Honey Buzzard 35 South State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,558.8	3.18	322.01	1,558.7	3.5	-2.7	2.00	2.00	0.00	322.01	
7,881.1	3.18	322.01	7,871.3	279.5	-218.3	0.00	0.00	0.00	0.00	
8,039.9	0.00	0.00	8,030.0	283.0	-221.0	2.00	-2.00	0.00	180.00	
12,032.4	0.00	0.00	12,022.5	283.0	-221.0	0.00	0.00	0.00	0.00	KOP(Honey Buzzard
12,252.8	26.46	180.00	12,235.2	233.0	-221.0	12.00	12.00	81.65	180.00	FTP(Honey Buzzard 3
12,782.4	90.00	179.62	12,499.9	-194.5	-219.0	12.00	12.00	-0.07	-0.42	
20,066.1	90.00	179.62	12,500.0	-7,478.0	-171.0	0.00	0.00	0.00	0.00	PBHL(Honey Buzzarc

eog resources

Planning Report

eog resources

Database:	PEDM	**Local Co-ordinate Reference:**	Well #702H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3427.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3427.0usft
Site:	Honey Buzzard 35 South State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	2.00	322.01	1,500.0	1.4	-1.1	-1.4	2.00	2.00	0.00
1,558.8	3.18	322.01	1,558.7	3.5	-2.7	-3.4	2.00	2.00	0.00
1,600.0	3.18	322.01	1,599.9	5.3	-4.1	-5.2	0.00	0.00	0.00
1,700.0	3.18	322.01	1,699.7	9.6	-7.5	-9.5	0.00	0.00	0.00
1,800.0	3.18	322.01	1,799.5	14.0	-10.9	-13.7	0.00	0.00	0.00
1,900.0	3.18	322.01	1,899.4	18.4	-14.3	-18.0	0.00	0.00	0.00
2,000.0	3.18	322.01	1,999.2	22.7	-17.8	-22.3	0.00	0.00	0.00
2,100.0	3.18	322.01	2,099.1	27.1	-21.2	-26.6	0.00	0.00	0.00
2,200.0	3.18	322.01	2,198.9	31.5	-24.6	-30.9	0.00	0.00	0.00
2,300.0	3.18	322.01	2,298.8	35.8	-28.0	-35.2	0.00	0.00	0.00
2,400.0	3.18	322.01	2,398.6	40.2	-31.4	-39.5	0.00	0.00	0.00
2,500.0	3.18	322.01	2,498.5	44.6	-34.8	-43.8	0.00	0.00	0.00
2,600.0	3.18	322.01	2,598.3	48.9	-38.2	-48.0	0.00	0.00	0.00
2,700.0	3.18	322.01	2,698.2	53.3	-41.6	-52.3	0.00	0.00	0.00
2,800.0	3.18	322.01	2,798.0	57.7	-45.0	-56.6	0.00	0.00	0.00
2,900.0	3.18	322.01	2,897.9	62.0	-48.4	-60.9	0.00	0.00	0.00
3,000.0	3.18	322.01	2,997.7	66.4	-51.9	-65.2	0.00	0.00	0.00
3,100.0	3.18	322.01	3,097.6	70.8	-55.3	-69.5	0.00	0.00	0.00
3,200.0	3.18	322.01	3,197.4	75.1	-58.7	-73.8	0.00	0.00	0.00
3,300.0	3.18	322.01	3,297.2	79.5	-62.1	-78.1	0.00	0.00	0.00
3,400.0	3.18	322.01	3,397.1	83.9	-65.5	-82.3	0.00	0.00	0.00
3,500.0	3.18	322.01	3,496.9	88.2	-68.9	-86.6	0.00	0.00	0.00
3,600.0	3.18	322.01	3,596.8	92.6	-72.3	-90.9	0.00	0.00	0.00
3,700.0	3.18	322.01	3,696.6	97.0	-75.7	-95.2	0.00	0.00	0.00
3,800.0	3.18	322.01	3,796.5	101.3	-79.1	-99.5	0.00	0.00	0.00
3,900.0	3.18	322.01	3,896.3	105.7	-82.5	-103.8	0.00	0.00	0.00
4,000.0	3.18	322.01	3,996.2	110.1	-86.0	-108.1	0.00	0.00	0.00
4,100.0	3.18	322.01	4,096.0	114.4	-89.4	-112.4	0.00	0.00	0.00
4,200.0	3.18	322.01	4,195.9	118.8	-92.8	-116.6	0.00	0.00	0.00
4,300.0	3.18	322.01	4,295.7	123.2	-96.2	-120.9	0.00	0.00	0.00
4,400.0	3.18	322.01	4,395.6	127.5	-99.6	-125.2	0.00	0.00	0.00
4,500.0	3.18	322.01	4,495.4	131.9	-103.0	-129.5	0.00	0.00	0.00
4,600.0	3.18	322.01	4,595.2	136.3	-106.4	-133.8	0.00	0.00	0.00
4,700.0	3.18	322.01	4,695.1	140.6	-109.8	-138.1	0.00	0.00	0.00
4,800.0	3.18	322.01	4,794.9	145.0	-113.2	-142.4	0.00	0.00	0.00
4,900.0	3.18	322.01	4,894.8	149.4	-116.6	-146.7	0.00	0.00	0.00
5,000.0	3.18	322.01	4,994.6	153.7	-120.0	-150.9	0.00	0.00	0.00
5,100.0	3.18	322.01	5,094.5	158.1	-123.5	-155.2	0.00	0.00	0.00
5,200.0	3.18	322.01	5,194.3	162.5	-126.9	-159.5	0.00	0.00	0.00

eog resources

Planning Report

eog resources

Database:	PEDM	**Local Co-ordinate Reference:**	Well #702H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3427.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3427.0usft
Site:	Honey Buzzard 35 South State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	3.18	322.01	5,294.2	166.8	-130.3	-163.8	0.00	0.00	0.00
5,400.0	3.18	322.01	5,394.0	171.2	-133.7	-168.1	0.00	0.00	0.00
5,500.0	3.18	322.01	5,493.9	175.6	-137.1	-172.4	0.00	0.00	0.00
5,600.0	3.18	322.01	5,593.7	179.9	-140.5	-176.7	0.00	0.00	0.00
5,700.0	3.18	322.01	5,693.6	184.3	-143.9	-181.0	0.00	0.00	0.00
5,800.0	3.18	322.01	5,793.4	188.7	-147.3	-185.2	0.00	0.00	0.00
5,900.0	3.18	322.01	5,893.3	193.0	-150.7	-189.5	0.00	0.00	0.00
6,000.0	3.18	322.01	5,993.1	197.4	-154.1	-193.8	0.00	0.00	0.00
6,100.0	3.18	322.01	6,092.9	201.8	-157.6	-198.1	0.00	0.00	0.00
6,200.0	3.18	322.01	6,192.8	206.1	-161.0	-202.4	0.00	0.00	0.00
6,300.0	3.18	322.01	6,292.6	210.5	-164.4	-206.7	0.00	0.00	0.00
6,400.0	3.18	322.01	6,392.5	214.9	-167.8	-211.0	0.00	0.00	0.00
6,500.0	3.18	322.01	6,492.3	219.2	-171.2	-215.3	0.00	0.00	0.00
6,600.0	3.18	322.01	6,592.2	223.6	-174.6	-219.5	0.00	0.00	0.00
6,700.0	3.18	322.01	6,692.0	228.0	-178.0	-223.8	0.00	0.00	0.00
6,800.0	3.18	322.01	6,791.9	232.3	-181.4	-228.1	0.00	0.00	0.00
6,900.0	3.18	322.01	6,891.7	236.7	-184.8	-232.4	0.00	0.00	0.00
7,000.0	3.18	322.01	6,991.6	241.1	-188.2	-236.7	0.00	0.00	0.00
7,100.0	3.18	322.01	7,091.4	245.4	-191.7	-241.0	0.00	0.00	0.00
7,200.0	3.18	322.01	7,191.3	249.8	-195.1	-245.3	0.00	0.00	0.00
7,300.0	3.18	322.01	7,291.1	254.2	-198.5	-249.6	0.00	0.00	0.00
7,400.0	3.18	322.01	7,390.9	258.5	-201.9	-253.8	0.00	0.00	0.00
7,500.0	3.18	322.01	7,490.8	262.9	-205.3	-258.1	0.00	0.00	0.00
7,600.0	3.18	322.01	7,590.6	267.3	-208.7	-262.4	0.00	0.00	0.00
7,700.0	3.18	322.01	7,690.5	271.6	-212.1	-266.7	0.00	0.00	0.00
7,800.0	3.18	322.01	7,790.3	276.0	-215.5	-271.0	0.00	0.00	0.00
7,881.1	3.18	322.01	7,871.3	279.5	-218.3	-274.5	0.00	0.00	0.00
7,900.0	2.80	322.01	7,890.2	280.3	-218.9	-275.2	2.00	-2.00	0.00
8,000.0	0.80	322.01	7,990.1	282.8	-220.8	-277.7	2.00	-2.00	0.00
8,039.9	0.00	0.00	8,030.0	283.0	-221.0	-277.9	2.00	-2.00	0.00
8,100.0	0.00	0.00	8,090.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,190.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,290.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,390.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,490.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,590.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,690.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,790.1	283.0	-221.0	-277.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,890.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,990.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,090.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,190.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,290.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,390.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,490.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,590.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,690.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,790.1	283.0	-221.0	-277.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,890.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,000.0	0.00	0.00	9,990.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,100.0	0.00	0.00	10,090.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,200.0	0.00	0.00	10,190.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,300.0	0.00	0.00	10,290.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,400.0	0.00	0.00	10,390.1	283.0	-221.0	-277.9	0.00	0.00	0.00

eog resources

Planning Report

eog resources

Database:	PEDM	**Local Co-ordinate Reference:**	Well #702H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3427.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3427.0usft
Site:	Honey Buzzard 35 South State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
10,500.0	0.00	0.00	10,490.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,600.0	0.00	0.00	10,590.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,700.0	0.00	0.00	10,690.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,800.0	0.00	0.00	10,790.1	283.0	-221.0	-277.9	0.00	0.00	0.00
10,900.0	0.00	0.00	10,890.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,000.0	0.00	0.00	10,990.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,100.0	0.00	0.00	11,090.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,200.0	0.00	0.00	11,190.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,300.0	0.00	0.00	11,290.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,400.0	0.00	0.00	11,390.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,500.0	0.00	0.00	11,490.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,600.0	0.00	0.00	11,590.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,700.0	0.00	0.00	11,690.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,800.0	0.00	0.00	11,790.1	283.0	-221.0	-277.9	0.00	0.00	0.00
11,900.0	0.00	0.00	11,890.1	283.0	-221.0	-277.9	0.00	0.00	0.00
12,000.0	0.00	0.00	11,990.1	283.0	-221.0	-277.9	0.00	0.00	0.00
12,032.4	0.00	0.00	12,022.5	283.0	-221.0	-277.9	0.00	0.00	0.00
12,050.0	2.12	180.00	12,040.1	282.7	-221.0	-277.5	12.00	12.00	0.00
12,075.0	5.12	180.00	12,065.1	281.1	-221.0	-276.0	12.00	12.00	0.00
12,100.0	8.12	180.00	12,089.9	278.2	-221.0	-273.1	12.00	12.00	0.00
12,125.0	11.12	180.00	12,114.5	274.0	-221.0	-268.9	12.00	12.00	0.00
12,150.0	14.12	180.00	12,138.9	268.6	-221.0	-263.5	12.00	12.00	0.00
12,175.0	17.12	180.00	12,163.0	261.9	-221.0	-256.7	12.00	12.00	0.00
12,200.0	20.12	180.00	12,186.7	253.9	-221.0	-248.8	12.00	12.00	0.00
12,225.0	23.12	180.00	12,209.9	244.7	-221.0	-239.5	12.00	12.00	0.00
12,250.0	26.12	180.00	12,232.7	234.3	-221.0	-229.1	12.00	12.00	0.00
12,252.8	26.46	180.00	12,235.2	233.0	-221.0	-227.9	12.00	12.00	0.00
12,275.0	29.12	179.96	12,254.8	222.7	-221.0	-217.6	12.00	12.00	-0.18
12,300.0	32.12	179.92	12,276.3	209.9	-221.0	-204.8	12.00	12.00	-0.15
12,325.0	35.12	179.89	12,297.1	196.1	-221.0	-191.0	12.00	12.00	-0.13
12,350.0	38.12	179.86	12,317.2	181.2	-220.9	-176.1	12.00	12.00	-0.11
12,375.0	41.12	179.84	12,336.5	165.2	-220.9	-160.1	12.00	12.00	-0.10
12,400.0	44.12	179.82	12,354.9	148.3	-220.8	-143.2	12.00	12.00	-0.09
12,425.0	47.12	179.80	12,372.3	130.5	-220.8	-125.4	12.00	12.00	-0.08
12,450.0	50.12	179.78	12,388.9	111.7	-220.7	-106.6	12.00	12.00	-0.07
12,475.0	53.12	179.76	12,404.4	92.1	-220.6	-87.0	12.00	12.00	-0.06
12,500.0	56.12	179.75	12,418.9	71.7	-220.5	-66.7	12.00	12.00	-0.06
12,525.0	59.12	179.73	12,432.3	50.6	-220.4	-45.6	12.00	12.00	-0.06
12,550.0	62.12	179.72	12,444.5	28.8	-220.3	-23.8	12.00	12.00	-0.05
12,575.0	65.12	179.71	12,455.6	6.4	-220.2	-1.4	12.00	12.00	-0.05
12,600.0	68.12	179.70	12,465.5	-16.5	-220.1	21.5	12.00	12.00	-0.05
12,625.0	71.12	179.69	12,474.2	-39.9	-220.0	45.0	12.00	12.00	-0.04
12,650.0	74.12	179.68	12,481.7	-63.8	-219.9	68.8	12.00	12.00	-0.04
12,675.0	77.12	179.67	12,487.9	-88.0	-219.7	93.0	12.00	12.00	-0.04
12,700.0	80.12	179.65	12,492.9	-112.5	-219.6	117.5	12.00	12.00	-0.04
12,725.0	83.12	179.64	12,496.5	-137.2	-219.4	142.2	12.00	12.00	-0.04
12,750.0	86.12	179.63	12,498.8	-162.1	-219.3	167.1	12.00	12.00	-0.04
12,775.0	89.12	179.62	12,499.9	-187.1	-219.1	192.1	12.00	12.00	-0.04
12,782.4	90.00	179.62	12,499.9	-194.5	-219.0	199.4	12.00	12.00	-0.04
12,800.0	90.00	179.62	12,499.9	-212.1	-218.9	217.1	0.00	0.00	0.00
12,900.0	90.00	179.62	12,499.9	-312.1	-218.3	317.0	0.00	0.00	0.00
13,000.0	90.00	179.62	12,499.9	-412.1	-217.6	417.0	0.00	0.00	0.00
13,100.0	90.00	179.62	12,499.9	-512.1	-217.0	516.9	0.00	0.00	0.00
13,200.0	90.00	179.62	12,499.9	-612.1	-216.3	616.9	0.00	0.00	0.00

eog resources

Planning Report

eog resources

Database:	PEDM	**Local Co-ordinate Reference:**	Well #702H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3427.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3427.0usft
Site:	Honey Buzzard 35 South State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
13,300.0	90.00	179.62	12,499.9	-712.1	-215.6	716.8	0.00	0.00	0.00
13,400.0	90.00	179.62	12,499.9	-812.1	-215.0	816.8	0.00	0.00	0.00
13,500.0	90.00	179.62	12,500.0	-912.1	-214.3	916.7	0.00	0.00	0.00
13,600.0	90.00	179.62	12,500.0	-1,012.1	-213.7	1,016.7	0.00	0.00	0.00
13,700.0	90.00	179.62	12,500.0	-1,112.1	-213.0	1,116.7	0.00	0.00	0.00
13,800.0	90.00	179.62	12,500.0	-1,212.1	-212.3	1,216.6	0.00	0.00	0.00
13,900.0	90.00	179.62	12,500.0	-1,312.1	-211.7	1,316.6	0.00	0.00	0.00
14,000.0	90.00	179.62	12,500.0	-1,412.1	-211.0	1,416.5	0.00	0.00	0.00
14,100.0	90.00	179.62	12,500.0	-1,512.1	-210.4	1,516.5	0.00	0.00	0.00
14,200.0	90.00	179.62	12,500.0	-1,612.1	-209.7	1,616.4	0.00	0.00	0.00
14,300.0	90.00	179.62	12,500.0	-1,712.1	-209.0	1,716.4	0.00	0.00	0.00
14,400.0	90.00	179.62	12,500.0	-1,812.1	-208.4	1,816.4	0.00	0.00	0.00
14,500.0	90.00	179.62	12,500.0	-1,912.1	-207.7	1,916.3	0.00	0.00	0.00
14,600.0	90.00	179.62	12,500.0	-2,012.1	-207.1	2,016.3	0.00	0.00	0.00
14,700.0	90.00	179.62	12,500.0	-2,112.1	-206.4	2,116.2	0.00	0.00	0.00
14,800.0	90.00	179.62	12,500.0	-2,212.1	-205.7	2,216.2	0.00	0.00	0.00
14,900.0	90.00	179.62	12,500.0	-2,312.1	-205.1	2,316.1	0.00	0.00	0.00
15,000.0	90.00	179.62	12,500.0	-2,412.1	-204.4	2,416.1	0.00	0.00	0.00
15,100.0	90.00	179.62	12,500.0	-2,512.1	-203.8	2,516.1	0.00	0.00	0.00
15,200.0	90.00	179.62	12,500.0	-2,612.1	-203.1	2,616.0	0.00	0.00	0.00
15,300.0	90.00	179.62	12,500.0	-2,712.0	-202.4	2,716.0	0.00	0.00	0.00
15,400.0	90.00	179.62	12,500.0	-2,812.0	-201.8	2,815.9	0.00	0.00	0.00
15,500.0	90.00	179.62	12,500.0	-2,912.0	-201.1	2,915.9	0.00	0.00	0.00
15,600.0	90.00	179.62	12,500.0	-3,012.0	-200.5	3,015.8	0.00	0.00	0.00
15,700.0	90.00	179.62	12,500.0	-3,112.0	-199.8	3,115.8	0.00	0.00	0.00
15,800.0	90.00	179.62	12,500.0	-3,212.0	-199.1	3,215.8	0.00	0.00	0.00
15,900.0	90.00	179.62	12,500.0	-3,312.0	-198.5	3,315.7	0.00	0.00	0.00
16,000.0	90.00	179.62	12,500.0	-3,412.0	-197.8	3,415.7	0.00	0.00	0.00
16,100.0	90.00	179.62	12,500.0	-3,512.0	-197.2	3,515.6	0.00	0.00	0.00
16,200.0	90.00	179.62	12,500.0	-3,612.0	-196.5	3,615.6	0.00	0.00	0.00
16,300.0	90.00	179.62	12,500.0	-3,712.0	-195.8	3,715.5	0.00	0.00	0.00
16,400.0	90.00	179.62	12,500.0	-3,812.0	-195.2	3,815.5	0.00	0.00	0.00
16,500.0	90.00	179.62	12,500.0	-3,912.0	-194.5	3,915.4	0.00	0.00	0.00
16,600.0	90.00	179.62	12,500.0	-4,012.0	-193.9	4,015.4	0.00	0.00	0.00
16,700.0	90.00	179.62	12,500.0	-4,112.0	-193.2	4,115.4	0.00	0.00	0.00
16,800.0	90.00	179.62	12,500.0	-4,212.0	-192.5	4,215.3	0.00	0.00	0.00
16,900.0	90.00	179.62	12,500.0	-4,312.0	-191.9	4,315.3	0.00	0.00	0.00
17,000.0	90.00	179.62	12,500.0	-4,412.0	-191.2	4,415.2	0.00	0.00	0.00
17,100.0	90.00	179.62	12,500.0	-4,512.0	-190.6	4,515.2	0.00	0.00	0.00
17,200.0	90.00	179.62	12,500.0	-4,612.0	-189.9	4,615.1	0.00	0.00	0.00
17,300.0	90.00	179.62	12,500.0	-4,712.0	-189.2	4,715.1	0.00	0.00	0.00
17,400.0	90.00	179.62	12,500.0	-4,812.0	-188.6	4,815.1	0.00	0.00	0.00
17,500.0	90.00	179.62	12,500.0	-4,912.0	-187.9	4,915.0	0.00	0.00	0.00
17,600.0	90.00	179.62	12,500.0	-5,012.0	-187.3	5,015.0	0.00	0.00	0.00
17,700.0	90.00	179.62	12,500.0	-5,112.0	-186.6	5,114.9	0.00	0.00	0.00
17,800.0	90.00	179.62	12,500.0	-5,212.0	-185.9	5,214.9	0.00	0.00	0.00
17,900.0	90.00	179.62	12,500.0	-5,312.0	-185.3	5,314.8	0.00	0.00	0.00
18,000.0	90.00	179.62	12,500.0	-5,412.0	-184.6	5,414.8	0.00	0.00	0.00
18,100.0	90.00	179.62	12,500.0	-5,512.0	-184.0	5,514.8	0.00	0.00	0.00
18,200.0	90.00	179.62	12,500.0	-5,612.0	-183.3	5,614.7	0.00	0.00	0.00
18,300.0	90.00	179.62	12,500.0	-5,712.0	-182.7	5,714.7	0.00	0.00	0.00
18,400.0	90.00	179.62	12,500.0	-5,812.0	-182.0	5,814.6	0.00	0.00	0.00
18,500.0	90.00	179.62	12,500.0	-5,912.0	-181.3	5,914.6	0.00	0.00	0.00
18,600.0	90.00	179.62	12,500.0	-6,012.0	-180.7	6,014.5	0.00	0.00	0.00

eog resources

Planning Report

eog resources

Database:	PEDM	**Local Co-ordinate Reference:**	Well #702H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3427.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3427.0usft
Site:	Honey Buzzard 35 South State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
18,700.0	90.00	179.62	12,500.0	-6,112.0	-180.0	6,114.5	0.00	0.00	0.00
18,800.0	90.00	179.62	12,500.0	-6,212.0	-179.4	6,214.4	0.00	0.00	0.00
18,900.0	90.00	179.62	12,500.0	-6,312.0	-178.7	6,314.4	0.00	0.00	0.00
19,000.0	90.00	179.62	12,500.0	-6,412.0	-178.0	6,414.4	0.00	0.00	0.00
19,100.0	90.00	179.62	12,500.0	-6,512.0	-177.4	6,514.3	0.00	0.00	0.00
19,200.0	90.00	179.62	12,500.0	-6,612.0	-176.7	6,614.3	0.00	0.00	0.00
19,300.0	90.00	179.62	12,500.0	-6,712.0	-176.1	6,714.2	0.00	0.00	0.00
19,400.0	90.00	179.62	12,500.0	-6,812.0	-175.4	6,814.2	0.00	0.00	0.00
19,500.0	90.00	179.62	12,500.0	-6,912.0	-174.7	6,914.1	0.00	0.00	0.00
19,600.0	90.00	179.62	12,500.0	-7,012.0	-174.1	7,014.1	0.00	0.00	0.00
19,700.0	90.00	179.62	12,500.0	-7,112.0	-173.4	7,114.1	0.00	0.00	0.00
19,800.0	90.00	179.62	12,500.0	-7,212.0	-172.8	7,214.0	0.00	0.00	0.00
19,900.0	90.00	179.62	12,500.0	-7,311.9	-172.1	7,314.0	0.00	0.00	0.00
20,000.0	90.00	179.62	12,500.0	-7,411.9	-171.4	7,413.9	0.00	0.00	0.00
20,066.1	90.00	179.62	12,500.0	-7,478.0	-171.0	7,480.0	0.00	0.00	0.00

Design Targets

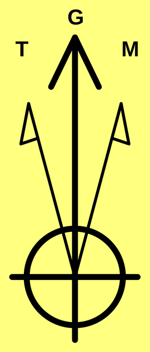
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	12,022.5	283.0	-221.0	428,121.00	815,864.00	32° 10' 25.935 N	103° 26' 45.841 W
FTP(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	12,235.2	233.0	-221.0	428,071.00	815,864.00	32° 10' 25.440 N	103° 26' 45.846 W
PBHL(Honey Buzzard 3! - plan hits target center - Point	0.00	0.00	12,500.0	-7,478.0	-171.0	420,360.00	815,914.00	32° 9' 9.136 N	103° 26' 46.003 W

eog resources

Lea County, NM (NAD 83 NME)

Honey Buzzard 35 South State Com #702H

Plan #0.2



Azimuths to Grid North
True North: -0.47°
Magnetic North: 5.85°

Magnetic Field
Strength: 47336.7nT
Dip Angle: 59.83°
Date: 10/18/2022
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 5.85°
To convert a Magnetic Direction to a True Direction, Add 6.32° East
To convert a True Direction to a Grid Direction, Subtract 0.47°

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: #702H

3401.0
kb = 26' @ 3427.0usft

Northing	Easting	Latittude	Longitude
427838.00	816085.00	32° 10' 23.117 N	103° 26' 43.297 W

SECTION DETAILS

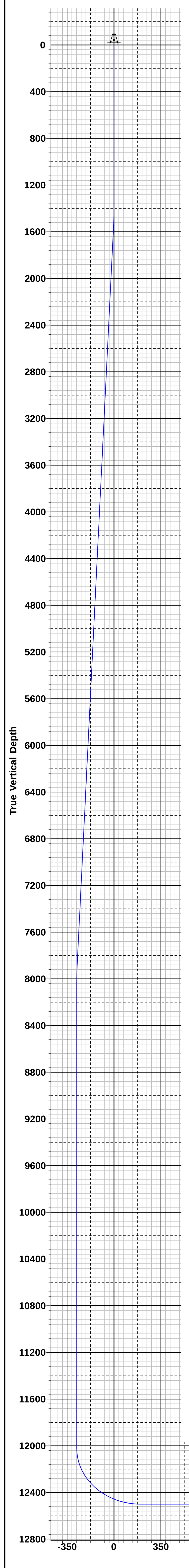
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1558.8	3.18	322.01	1558.7	3.5	-2.7	2.00	322.01	-3.4	
4	7881.1	3.18	322.01	7871.3	279.5	-218.3	0.00	0.00	-274.5	
5	8039.9	0.00	0.00	8030.0	283.0	-221.0	2.00	180.00	-277.9	
6	12032.4	0.00	0.00	12022.5	283.0	-221.0	0.00	0.00	-277.9	KOP(Honey Buzzard 35 South SC #702H)
7	12252.8	26.46	180.00	12235.2	233.0	-221.0	12.00	180.00	-227.9	FTP(Honey Buzzard 35 South SC #702H)
8	12782.4	90.00	179.62	12499.9	-194.5	-219.0	12.00	-0.42	199.4	
9	20066.1	90.00	179.62	12500.0	-7478.0	-171.0	0.00	0.00	7480.0	PBHL(Honey Buzzard 35 South SC #702H)

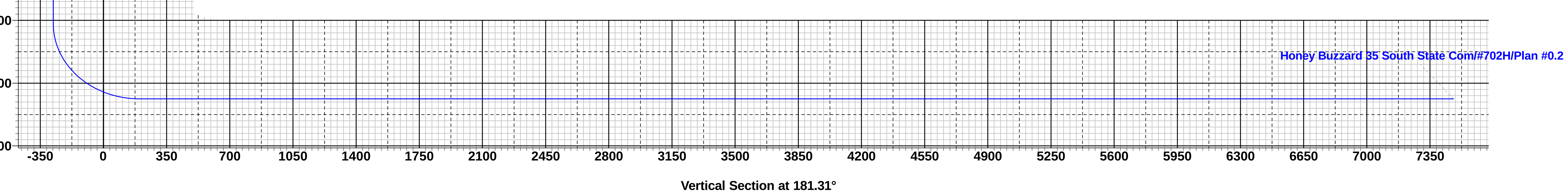
CASING DETAILS

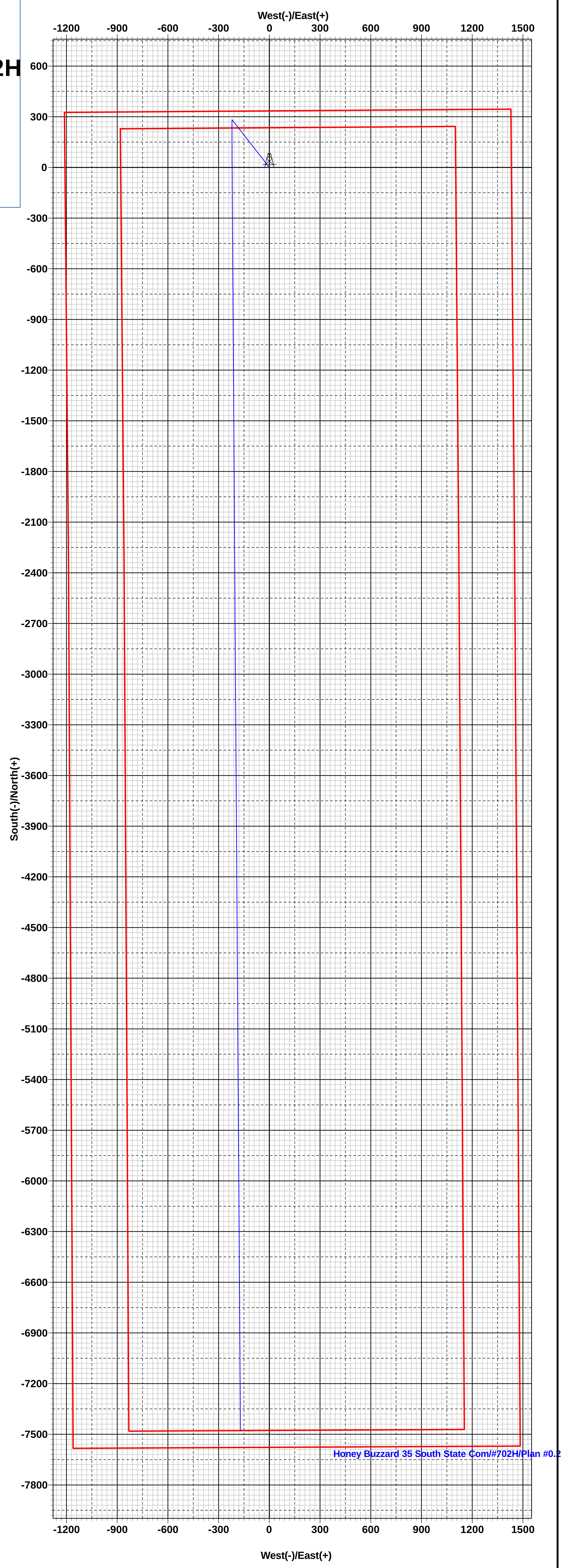
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Honey Buzzard 35 South SC #702H)	12022.5	283.0	-221.0	428121.00	815864.00
FTP(Honey Buzzard 35 South SC #702H)	12235.2	233.0	-221.0	428071.00	815864.00
PBHL(Honey Buzzard 35 South SC #702H)	12500.0	-7478.0	-171.0	420360.00	815914.00







Lea County, NM (NAD 83 NME)
Honey Buzzard 35 South State Com
#702H
OH
Plan #0.2
10:06, September 23 2022

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 146332

CONDITIONS

Operator:	
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 146332
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/27/2022