

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

WELL API NO. 30-025-49598
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 331808
7. Lease Name or Unit Agreement Name Honey Buzzard 35 South State Com
8. Well Number 704H
9. OGRID Number 7377
10. Pool name or Wildcat 97369 Red Hills; Bone Spring, East

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.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator EOG Resources, Inc.	
3. Address of Operator P.O. Box 2267, Midland, Texas 79702	
4. Well Location Unit Letter <u>K</u> : <u>2304</u> feet from the <u>South</u> line and <u>1240</u> feet from the West <u>line</u> Section <u>35</u> <u>24S</u> Township <u>34E</u> Range <u>NESW</u> 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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 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 name from 704H to Honey Buzzard 35 South State Com 101H.

Change BHL from T-25-S, R-34-E, Sec 2, 100' FSL, 2310' FWL, Lea Co., NM, to T-25-S, R-34-E, Sec 2, 100' FSL, 1480' FWL, Lea Co., N.M.

Change target formation to Leonard A.

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) 746-3460 Fax: (505) 746-3462

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 30-025-49598	² Pool Code 97900	RED HILLS;UPPER BONE SPRING SHALE
⁴ Property Code 331808	⁵ Property Name HONEY BUZZARD 35 SOUTH STATE COM	⁶ Well Number 101H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3401'

¹⁰Surface Location

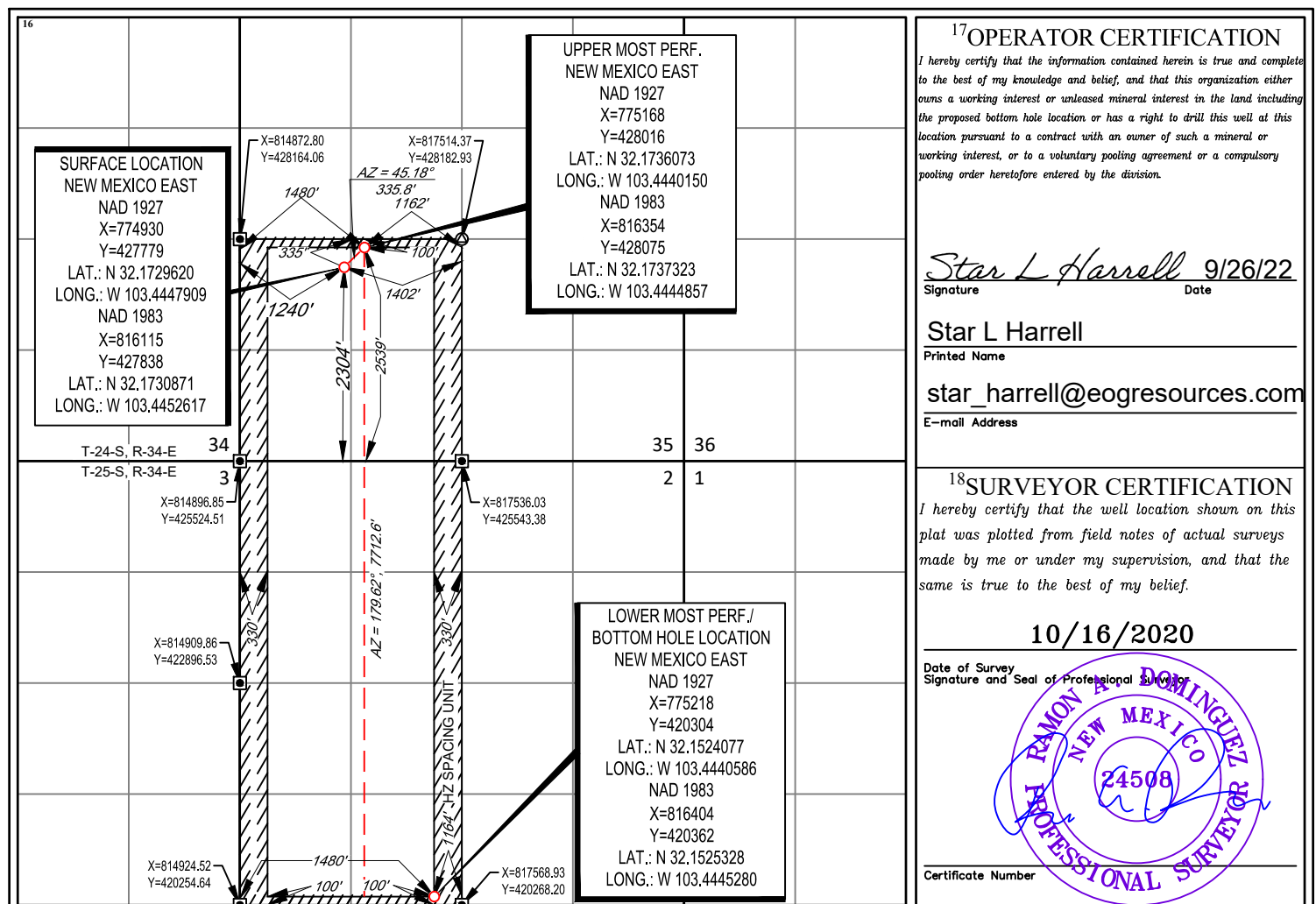
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	35	24-S	34-E	-	2304'	SOUTH	1240'	WEST	LEA

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
N	2	25-S	34-E	-	100'	SOUTH	1480'	WEST	LEA

¹² Dedicated Acres 479.56	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.





Honey Buzzard 35 South State Com 101H

2304' FSL
1240' FWL
Section 35
T-24-S, R-34-E

Revised Wellbore

KB: 3426'
GL: 3401'

API: 30-025-49598

Bit Size: 16"
13-3/8", 54.5#, J-55, STC, 0' - 1,160'

Bit Size: 12-1/4"
9-5/8" 40#, J-55, LTC, 0' - 4,000'
9-5/8" 40#, HCK-55, LTC, 4,000' - 5,270'

TOC: 4,770'

Bit Size: 7-7/8"
5-1/2", 17#, HCP-110, LTC
@ 0' - 17,040'

KOP: 9,000'

Lateral: 17,036' MD, 9,467' TVD
BH Location: 100' FSL & 1480' FWL
Sec. 2
T-25-S R-34-E



Honey Buzzard 35 South State Com 101H

Permit Information:

Well Name: Honey Buzzard 35 South State Com 101H

Location: SHL: 2304' FSL & 1240' FWL, Section 35, T-24-S, R-34-E, Lea Co., N.M.

BHL: 100' FSL & 1480' FWL, Section 2, T-25-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval MD		Interval TVD		Csg OD	Weight	Grade	Conn
	From (ft)	To (ft)	From (ft)	To (ft)				
16"	0	1,160	0	1,160	13-3/8"	54.5#	J-55	STC
12-1/4"	0	4,011	0	4,000	9-5/8"	40#	J-55	LTC
12-1/4"	4,011	5,281	4,000	5,270	9-5/8"	40#	HCK-55	LTC
7-7/8"	0	17,036	0	9,467	5-1/2"	17#	HCP-110	LTC

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,160'	350	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 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
5,270'	770	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	330	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx
17,036'	960	11.0	3.21	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,770')
	2090	13.2	1.52	Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,160'	Fresh - Gel	8.6-8.8	28-34	N/c
1,160' – 5,270'	Brine	8.6-8.8	28-34	N/c
5,270' – 17,036' Lateral	Oil Base	8.8-9.5	58-68	N/c - 6



Midland

Lea County, NM (NAD 83 NME)
Honey Buzzard 35 South State Com
#101H
142781
OH

Plan: Plan #0.3

Standard Planning Report

23 September, 2022





Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #101H
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:	#101H	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	Honey Buzzard 35 South State Com		
Site Position:		Northing:	427,838.00 usft
From:	Map	Easting:	816,070.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1730884°N
		Longitude:	103.4454087°W

Well	#101H		
Well Position	+N/-S	0.0 usft	Northing: 427,838.00 usft
	+E/-W	0.0 usft	Easting: 816,115.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.47 °	Ground Level:	3,401.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/13/2022	6.32	59.82	47,329.24583154

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	177.79	

Plan Survey Tool Program	Date	9/23/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,035.9 Plan #0.3 (OH)	EOG MWD+IFR1		
			MWD + IFR1		



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #101H
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:	#101H	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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,565.3	3.31	39.79	1,565.2	3.7	3.1	2.00	2.00	0.00	39.79	
7,875.4	3.31	39.79	7,864.8	283.3	235.9	0.00	0.00	0.00	0.00	
8,040.7	0.00	0.00	8,030.0	287.0	239.0	2.00	-2.00	0.00	180.00	
9,000.2	0.00	0.00	8,989.5	287.0	239.0	0.00	0.00	0.00	0.00	KOP(Honey Buzzard 35 South State Com)
9,220.6	26.46	180.00	9,202.2	237.0	239.0	12.00	12.00	-81.65	180.00	FTP(Honey Buzzard 35 South State Com)
9,750.2	90.00	179.62	9,466.9	-190.5	241.0	12.00	12.00	-0.07	-0.42	
17,035.9	90.00	179.62	9,467.0	-7,476.0	289.0	0.00	0.00	0.00	0.00	PBHL(Honey Buzzard 35 South State Com)



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #101H
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:	#101H	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	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	2.00	39.79	1,500.0	1.3	1.1	-1.3	2.00	2.00	0.00
1,565.3	3.31	39.79	1,565.2	3.7	3.1	-3.5	2.00	2.00	0.00
1,600.0	3.31	39.79	1,599.9	5.2	4.3	-5.0	0.00	0.00	0.00
1,700.0	3.31	39.79	1,699.7	9.6	8.0	-9.3	0.00	0.00	0.00
1,800.0	3.31	39.79	1,799.5	14.1	11.7	-13.6	0.00	0.00	0.00
1,900.0	3.31	39.79	1,899.4	18.5	15.4	-17.9	0.00	0.00	0.00
2,000.0	3.31	39.79	1,999.2	22.9	19.1	-22.2	0.00	0.00	0.00
2,100.0	3.31	39.79	2,099.0	27.4	22.8	-26.5	0.00	0.00	0.00
2,200.0	3.31	39.79	2,198.9	31.8	26.5	-30.7	0.00	0.00	0.00
2,300.0	3.31	39.79	2,298.7	36.2	30.2	-35.0	0.00	0.00	0.00
2,400.0	3.31	39.79	2,398.5	40.7	33.9	-39.3	0.00	0.00	0.00
2,500.0	3.31	39.79	2,498.4	45.1	37.5	-43.6	0.00	0.00	0.00
2,600.0	3.31	39.79	2,598.2	49.5	41.2	-47.9	0.00	0.00	0.00
2,700.0	3.31	39.79	2,698.0	54.0	44.9	-52.2	0.00	0.00	0.00
2,800.0	3.31	39.79	2,797.9	58.4	48.6	-56.5	0.00	0.00	0.00
2,900.0	3.31	39.79	2,897.7	62.8	52.3	-60.8	0.00	0.00	0.00
3,000.0	3.31	39.79	2,997.5	67.3	56.0	-65.0	0.00	0.00	0.00
3,100.0	3.31	39.79	3,097.4	71.7	59.7	-69.3	0.00	0.00	0.00
3,200.0	3.31	39.79	3,197.2	76.1	63.4	-73.6	0.00	0.00	0.00
3,300.0	3.31	39.79	3,297.0	80.5	67.1	-77.9	0.00	0.00	0.00
3,400.0	3.31	39.79	3,396.9	85.0	70.8	-82.2	0.00	0.00	0.00
3,500.0	3.31	39.79	3,496.7	89.4	74.5	-86.5	0.00	0.00	0.00
3,600.0	3.31	39.79	3,596.5	93.8	78.1	-90.8	0.00	0.00	0.00
3,700.0	3.31	39.79	3,696.4	98.3	81.8	-95.0	0.00	0.00	0.00
3,800.0	3.31	39.79	3,796.2	102.7	85.5	-99.3	0.00	0.00	0.00
3,900.0	3.31	39.79	3,896.0	107.1	89.2	-103.6	0.00	0.00	0.00
4,000.0	3.31	39.79	3,995.9	111.6	92.9	-107.9	0.00	0.00	0.00
4,100.0	3.31	39.79	4,095.7	116.0	96.6	-112.2	0.00	0.00	0.00
4,200.0	3.31	39.79	4,195.5	120.4	100.3	-116.5	0.00	0.00	0.00
4,300.0	3.31	39.79	4,295.4	124.9	104.0	-120.8	0.00	0.00	0.00
4,400.0	3.31	39.79	4,395.2	129.3	107.7	-125.0	0.00	0.00	0.00
4,500.0	3.31	39.79	4,495.0	133.7	111.4	-129.3	0.00	0.00	0.00
4,600.0	3.31	39.79	4,594.9	138.2	115.1	-133.6	0.00	0.00	0.00
4,700.0	3.31	39.79	4,694.7	142.6	118.7	-137.9	0.00	0.00	0.00
4,800.0	3.31	39.79	4,794.5	147.0	122.4	-142.2	0.00	0.00	0.00
4,900.0	3.31	39.79	4,894.4	151.5	126.1	-146.5	0.00	0.00	0.00
5,000.0	3.31	39.79	4,994.2	155.9	129.8	-150.8	0.00	0.00	0.00
5,100.0	3.31	39.79	5,094.0	160.3	133.5	-155.0	0.00	0.00	0.00
5,200.0	3.31	39.79	5,193.9	164.8	137.2	-159.3	0.00	0.00	0.00



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #101H
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:	#101H	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)
5,300.0	3.31	39.79	5,293.7	169.2	140.9	-163.6	0.00	0.00	0.00
5,400.0	3.31	39.79	5,393.5	173.6	144.6	-167.9	0.00	0.00	0.00
5,500.0	3.31	39.79	5,493.4	178.1	148.3	-172.2	0.00	0.00	0.00
5,600.0	3.31	39.79	5,593.2	182.5	152.0	-176.5	0.00	0.00	0.00
5,700.0	3.31	39.79	5,693.0	186.9	155.7	-180.8	0.00	0.00	0.00
5,800.0	3.31	39.79	5,792.9	191.4	159.3	-185.1	0.00	0.00	0.00
5,900.0	3.31	39.79	5,892.7	195.8	163.0	-189.3	0.00	0.00	0.00
6,000.0	3.31	39.79	5,992.5	200.2	166.7	-193.6	0.00	0.00	0.00
6,100.0	3.31	39.79	6,092.4	204.6	170.4	-197.9	0.00	0.00	0.00
6,200.0	3.31	39.79	6,192.2	209.1	174.1	-202.2	0.00	0.00	0.00
6,300.0	3.31	39.79	6,292.0	213.5	177.8	-206.5	0.00	0.00	0.00
6,400.0	3.31	39.79	6,391.9	217.9	181.5	-210.8	0.00	0.00	0.00
6,500.0	3.31	39.79	6,491.7	222.4	185.2	-215.1	0.00	0.00	0.00
6,600.0	3.31	39.79	6,591.5	226.8	188.9	-219.3	0.00	0.00	0.00
6,700.0	3.31	39.79	6,691.4	231.2	192.6	-223.6	0.00	0.00	0.00
6,800.0	3.31	39.79	6,791.2	235.7	196.3	-227.9	0.00	0.00	0.00
6,900.0	3.31	39.79	6,891.0	240.1	199.9	-232.2	0.00	0.00	0.00
7,000.0	3.31	39.79	6,990.9	244.5	203.6	-236.5	0.00	0.00	0.00
7,100.0	3.31	39.79	7,090.7	249.0	207.3	-240.8	0.00	0.00	0.00
7,200.0	3.31	39.79	7,190.5	253.4	211.0	-245.1	0.00	0.00	0.00
7,300.0	3.31	39.79	7,290.4	257.8	214.7	-249.3	0.00	0.00	0.00
7,400.0	3.31	39.79	7,390.2	262.3	218.4	-253.6	0.00	0.00	0.00
7,500.0	3.31	39.79	7,490.0	266.7	222.1	-257.9	0.00	0.00	0.00
7,600.0	3.31	39.79	7,589.9	271.1	225.8	-262.2	0.00	0.00	0.00
7,700.0	3.31	39.79	7,689.7	275.6	229.5	-266.5	0.00	0.00	0.00
7,800.0	3.31	39.79	7,789.5	280.0	233.2	-270.8	0.00	0.00	0.00
7,875.4	3.31	39.79	7,864.8	283.3	235.9	-274.0	0.00	0.00	0.00
7,900.0	2.81	39.79	7,889.4	284.3	236.8	-275.0	2.00	-2.00	0.00
8,000.0	0.81	39.79	7,989.3	286.8	238.8	-277.3	2.00	-2.00	0.00
8,040.7	0.00	0.00	8,030.0	287.0	239.0	-277.6	2.00	-2.00	0.00
8,100.0	0.00	0.00	8,089.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,189.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,289.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,389.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,489.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,589.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,689.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,789.3	287.0	239.0	-277.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,889.3	287.0	239.0	-277.6	0.00	0.00	0.00
9,000.2	0.00	0.00	8,989.5	287.0	239.0	-277.6	0.00	0.00	0.00
9,025.0	2.98	180.00	9,014.3	286.4	239.0	-276.9	12.00	12.00	0.00
9,050.0	5.98	180.00	9,039.2	284.4	239.0	-275.0	12.00	12.00	0.00
9,075.0	8.98	180.00	9,064.0	281.2	239.0	-271.7	12.00	12.00	0.00
9,100.0	11.98	180.00	9,088.6	276.6	239.0	-267.2	12.00	12.00	0.00
9,125.0	14.98	180.00	9,112.9	270.8	239.0	-261.3	12.00	12.00	0.00
9,150.0	17.98	180.00	9,136.9	263.7	239.0	-254.3	12.00	12.00	0.00
9,175.0	20.98	180.00	9,160.4	255.4	239.0	-245.9	12.00	12.00	0.00
9,200.0	23.98	180.00	9,183.5	245.8	239.0	-236.4	12.00	12.00	0.00
9,220.6	26.46	180.00	9,202.2	237.0	239.0	-227.6	12.00	12.00	0.00
9,225.0	26.98	179.99	9,206.1	235.0	239.0	-225.6	12.00	12.00	-0.19
9,250.0	29.98	179.95	9,228.1	223.1	239.0	-213.7	12.00	12.00	-0.17
9,275.0	32.98	179.91	9,249.4	210.1	239.0	-200.7	12.00	12.00	-0.14
9,300.0	35.98	179.88	9,270.0	195.9	239.0	-186.5	12.00	12.00	-0.12
9,325.0	38.98	179.85	9,289.8	180.7	239.1	-171.3	12.00	12.00	-0.11



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #101H
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:	#101H	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)	
9,350.0	41.98	179.83	9,308.8	164.5	239.1	-155.1	12.00	12.00	-0.09	
9,375.0	44.98	179.81	9,327.0	147.3	239.2	-137.9	12.00	12.00	-0.08	
9,400.0	47.98	179.79	9,344.2	129.1	239.2	-119.8	12.00	12.00	-0.07	
9,425.0	50.98	179.77	9,360.4	110.1	239.3	-100.8	12.00	12.00	-0.07	
9,450.0	53.98	179.76	9,375.7	90.3	239.4	-81.0	12.00	12.00	-0.06	
9,475.0	56.98	179.74	9,389.8	69.7	239.5	-60.4	12.00	12.00	-0.06	
9,500.0	59.98	179.73	9,402.9	48.4	239.6	-39.1	12.00	12.00	-0.05	
9,525.0	62.98	179.72	9,414.8	26.5	239.7	-17.2	12.00	12.00	-0.05	
9,550.0	65.98	179.71	9,425.6	3.9	239.8	5.4	12.00	12.00	-0.05	
9,575.0	68.98	179.69	9,435.2	-19.2	239.9	28.4	12.00	12.00	-0.05	
9,600.0	71.98	179.68	9,443.5	-42.8	240.1	52.0	12.00	12.00	-0.04	
9,625.0	74.98	179.67	9,450.6	-66.7	240.2	75.9	12.00	12.00	-0.04	
9,650.0	77.98	179.66	9,456.5	-91.0	240.3	100.2	12.00	12.00	-0.04	
9,675.0	80.98	179.65	9,461.0	-115.6	240.5	124.8	12.00	12.00	-0.04	
9,700.0	83.98	179.64	9,464.3	-140.4	240.6	149.6	12.00	12.00	-0.04	
9,725.0	86.98	179.63	9,466.3	-165.3	240.8	174.5	12.00	12.00	-0.04	
9,750.2	90.00	179.62	9,466.9	-190.5	241.0	199.6	12.00	12.00	-0.04	
9,800.0	90.00	179.62	9,466.9	-240.3	241.3	249.4	0.00	0.00	0.00	
9,900.0	90.00	179.62	9,466.9	-340.3	241.9	349.4	0.00	0.00	0.00	
10,000.0	90.00	179.62	9,466.9	-440.3	242.6	449.3	0.00	0.00	0.00	
10,100.0	90.00	179.62	9,466.9	-540.3	243.3	549.3	0.00	0.00	0.00	
10,200.0	90.00	179.62	9,466.9	-640.3	243.9	649.2	0.00	0.00	0.00	
10,300.0	90.00	179.62	9,466.9	-740.3	244.6	749.2	0.00	0.00	0.00	
10,400.0	90.00	179.62	9,466.9	-840.3	245.2	849.1	0.00	0.00	0.00	
10,500.0	90.00	179.62	9,467.0	-940.3	245.9	949.1	0.00	0.00	0.00	
10,600.0	90.00	179.62	9,467.0	-1,040.3	246.6	1,049.0	0.00	0.00	0.00	
10,700.0	90.00	179.62	9,467.0	-1,140.3	247.2	1,149.0	0.00	0.00	0.00	
10,800.0	90.00	179.62	9,467.0	-1,240.3	247.9	1,248.9	0.00	0.00	0.00	
10,900.0	90.00	179.62	9,467.0	-1,340.3	248.5	1,348.9	0.00	0.00	0.00	
11,000.0	90.00	179.62	9,467.0	-1,440.3	249.2	1,448.8	0.00	0.00	0.00	
11,100.0	90.00	179.62	9,467.0	-1,540.3	249.9	1,548.8	0.00	0.00	0.00	
11,200.0	90.00	179.62	9,467.0	-1,640.3	250.5	1,648.7	0.00	0.00	0.00	
11,300.0	90.00	179.62	9,467.0	-1,740.3	251.2	1,748.7	0.00	0.00	0.00	
11,400.0	90.00	179.62	9,467.0	-1,840.3	251.8	1,848.6	0.00	0.00	0.00	
11,500.0	90.00	179.62	9,467.0	-1,940.3	252.5	1,948.6	0.00	0.00	0.00	
11,600.0	90.00	179.62	9,467.0	-2,040.2	253.2	2,048.5	0.00	0.00	0.00	
11,700.0	90.00	179.62	9,467.0	-2,140.2	253.8	2,148.5	0.00	0.00	0.00	
11,800.0	90.00	179.62	9,467.0	-2,240.2	254.5	2,248.4	0.00	0.00	0.00	
11,900.0	90.00	179.62	9,467.0	-2,340.2	255.1	2,348.4	0.00	0.00	0.00	
12,000.0	90.00	179.62	9,467.0	-2,440.2	255.8	2,448.3	0.00	0.00	0.00	
12,100.0	90.00	179.62	9,467.0	-2,540.2	256.4	2,548.2	0.00	0.00	0.00	
12,200.0	90.00	179.62	9,467.0	-2,640.2	257.1	2,648.2	0.00	0.00	0.00	
12,300.0	90.00	179.62	9,467.0	-2,740.2	257.8	2,748.1	0.00	0.00	0.00	
12,400.0	90.00	179.62	9,467.0	-2,840.2	258.4	2,848.1	0.00	0.00	0.00	
12,500.0	90.00	179.62	9,467.0	-2,940.2	259.1	2,948.0	0.00	0.00	0.00	
12,600.0	90.00	179.62	9,467.0	-3,040.2	259.7	3,048.0	0.00	0.00	0.00	
12,700.0	90.00	179.62	9,467.0	-3,140.2	260.4	3,147.9	0.00	0.00	0.00	
12,800.0	90.00	179.62	9,467.0	-3,240.2	261.1	3,247.9	0.00	0.00	0.00	
12,900.0	90.00	179.62	9,467.0	-3,340.2	261.7	3,347.8	0.00	0.00	0.00	
13,000.0	90.00	179.62	9,467.0	-3,440.2	262.4	3,447.8	0.00	0.00	0.00	
13,100.0	90.00	179.62	9,467.0	-3,540.2	263.0	3,547.7	0.00	0.00	0.00	
13,200.0	90.00	179.62	9,467.0	-3,640.2	263.7	3,647.7	0.00	0.00	0.00	
13,300.0	90.00	179.62	9,467.0	-3,740.2	264.4	3,747.6	0.00	0.00	0.00	
13,400.0	90.00	179.62	9,467.0	-3,840.2	265.0	3,847.6	0.00	0.00	0.00	



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #101H
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:	#101H	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)	
13,500.0	90.00	179.62	9,467.0	-3,940.2	265.7	3,947.5	0.00	0.00	0.00	
13,600.0	90.00	179.62	9,467.0	-4,040.2	266.3	4,047.5	0.00	0.00	0.00	
13,700.0	90.00	179.62	9,467.0	-4,140.2	267.0	4,147.4	0.00	0.00	0.00	
13,800.0	90.00	179.62	9,467.0	-4,240.2	267.7	4,247.4	0.00	0.00	0.00	
13,900.0	90.00	179.62	9,467.0	-4,340.2	268.3	4,347.3	0.00	0.00	0.00	
14,000.0	90.00	179.62	9,467.0	-4,440.2	269.0	4,447.3	0.00	0.00	0.00	
14,100.0	90.00	179.62	9,467.0	-4,540.2	269.6	4,547.2	0.00	0.00	0.00	
14,200.0	90.00	179.62	9,467.0	-4,640.2	270.3	4,647.2	0.00	0.00	0.00	
14,300.0	90.00	179.62	9,467.0	-4,740.2	271.0	4,747.1	0.00	0.00	0.00	
14,400.0	90.00	179.62	9,467.0	-4,840.2	271.6	4,847.1	0.00	0.00	0.00	
14,500.0	90.00	179.62	9,467.0	-4,940.2	272.3	4,947.0	0.00	0.00	0.00	
14,600.0	90.00	179.62	9,467.0	-5,040.2	272.9	5,047.0	0.00	0.00	0.00	
14,700.0	90.00	179.62	9,467.0	-5,140.2	273.6	5,146.9	0.00	0.00	0.00	
14,800.0	90.00	179.62	9,467.0	-5,240.2	274.3	5,246.9	0.00	0.00	0.00	
14,900.0	90.00	179.62	9,467.0	-5,340.2	274.9	5,346.8	0.00	0.00	0.00	
15,000.0	90.00	179.62	9,467.0	-5,440.2	275.6	5,446.8	0.00	0.00	0.00	
15,100.0	90.00	179.62	9,467.0	-5,540.2	276.2	5,546.7	0.00	0.00	0.00	
15,200.0	90.00	179.62	9,467.0	-5,640.2	276.9	5,646.7	0.00	0.00	0.00	
15,300.0	90.00	179.62	9,467.0	-5,740.2	277.6	5,746.6	0.00	0.00	0.00	
15,400.0	90.00	179.62	9,467.0	-5,840.2	278.2	5,846.6	0.00	0.00	0.00	
15,500.0	90.00	179.62	9,467.0	-5,940.2	278.9	5,946.5	0.00	0.00	0.00	
15,600.0	90.00	179.62	9,467.0	-6,040.2	279.5	6,046.5	0.00	0.00	0.00	
15,700.0	90.00	179.62	9,467.0	-6,140.2	280.2	6,146.4	0.00	0.00	0.00	
15,800.0	90.00	179.62	9,467.0	-6,240.2	280.8	6,246.3	0.00	0.00	0.00	
15,900.0	90.00	179.62	9,467.0	-6,340.2	281.5	6,346.3	0.00	0.00	0.00	
16,000.0	90.00	179.62	9,467.0	-6,440.2	282.2	6,446.2	0.00	0.00	0.00	
16,100.0	90.00	179.62	9,467.0	-6,540.2	282.8	6,546.2	0.00	0.00	0.00	
16,200.0	90.00	179.62	9,467.0	-6,640.1	283.5	6,646.1	0.00	0.00	0.00	
16,300.0	90.00	179.62	9,467.0	-6,740.1	284.1	6,746.1	0.00	0.00	0.00	
16,400.0	90.00	179.62	9,467.0	-6,840.1	284.8	6,846.0	0.00	0.00	0.00	
16,500.0	90.00	179.62	9,467.0	-6,940.1	285.5	6,946.0	0.00	0.00	0.00	
16,600.0	90.00	179.62	9,467.0	-7,040.1	286.1	7,045.9	0.00	0.00	0.00	
16,700.0	90.00	179.62	9,467.0	-7,140.1	286.8	7,145.9	0.00	0.00	0.00	
16,800.0	90.00	179.62	9,467.0	-7,240.1	287.4	7,245.8	0.00	0.00	0.00	
16,900.0	90.00	179.62	9,467.0	-7,340.1	288.1	7,345.8	0.00	0.00	0.00	
17,000.0	90.00	179.62	9,467.0	-7,440.1	288.8	7,445.7	0.00	0.00	0.00	
17,035.9	90.00	179.62	9,467.0	-7,476.0	289.0	7,481.6	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
KOP(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	8,989.5	287.0	239.0	428,125.00	816,354.00	32.1738708°N	103.4444833°W	
FTP(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	9,202.2	237.0	239.0	428,075.00	816,354.00	32.1737333°N	103.4444846°W	
PBHL(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	9,467.0	-7,476.0	289.0	420,362.00	816,404.00	32.1525322°N	103.4445289°W	



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #101H
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:	#101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Lea County, NM (NAD 83 NME)

Honey Buzzard 35 South State Com #101H

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

Azimuths to Grid North
True North: -0.47°
Magnetic North: 5.84°

Magnetic Field
Strength: 47329.2nT
Dip Angle: 59.82°
Date: 11/13/2022
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 5.84°
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°

WELL DETAILS: #101H

3401.0

Northing	kb = 26' @ 3427.0usft	Eastng	Latitude	Longitude
427838.00		816115.00	32.1730873°N	103.4452633°W

SECTION DETAILS

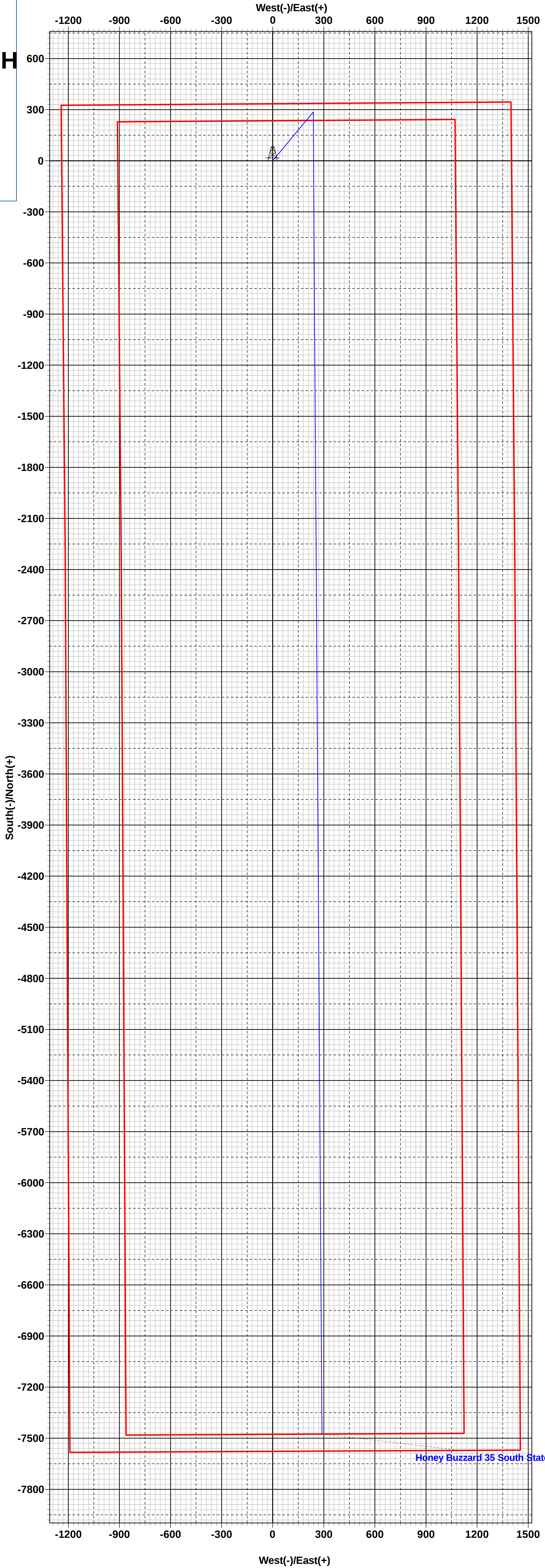
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1565.3	3.31	39.79	1565.2	3.7	3.1	2.00	39.79	-3.5	
4	7875.4	3.31	39.79	7864.8	283.3	235.9	0.00	0.00	-274.0	
5	8040.7	0.00	0.00	8030.0	287.0	239.0	2.00	180.00	-277.6	
6	9000.2	0.00	0.00	8989.5	287.0	239.0	0.00	0.00	-277.6	KOP(Honey Buzzard 35 South SC #101H)
7	9220.6	26.46	180.00	9202.2	237.0	239.0	12.00	180.00	-227.6	FTP(Honey Buzzard 35 South SC #101H)
8	9750.2	90.00	179.62	9466.9	-190.5	241.0	12.00	-0.42	199.6	
9	17035.9	90.00	179.62	9467.0	-7476.0	289.0	0.00	0.00	7481.6	PBHL(Honey Buzzard 35 South SC #101H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Eastng
KOP(Honey Buzzard 35 South SC #101H)	8989.5	287.0	239.0	428125.00	816354.00
FTP(Honey Buzzard 35 South SC #101H)	9202.2	237.0	239.0	428075.00	816354.00
PBHL(Honey Buzzard 35 South SC #101H)	9467.0	-7476.0	289.0	420362.00	816404.00



Honey Buzzard 35 South State Com/#101H/Plan #0.3

Vertical Section at 177.79°

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 146236

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 146236
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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