

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. 30-025-49752
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 304H
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>2305</u> feet from the <u>South</u> line and <u>1970</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.) 3402' 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 name from 304H to Honey Buzzard 35 South State Com 102H.

Change BHL from T-25-S, R-34-E, Sec 2, 100' FSL, 1320' FWL, Lea Co., NM, to T-25-S, R-34-E, Sec 2, 100' FSL, 2314' 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
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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 30-025-49752	² Pool Code 97900	³ Pool Name RED HILLS; UPPER BONE SPRING SHALE
⁴ Property Code 331808	⁵ Property Name HONEY BUZZARD 35 SOUTH STATE COM	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number 102H
		⁹ Elevation 3402'

¹⁰Surface Location

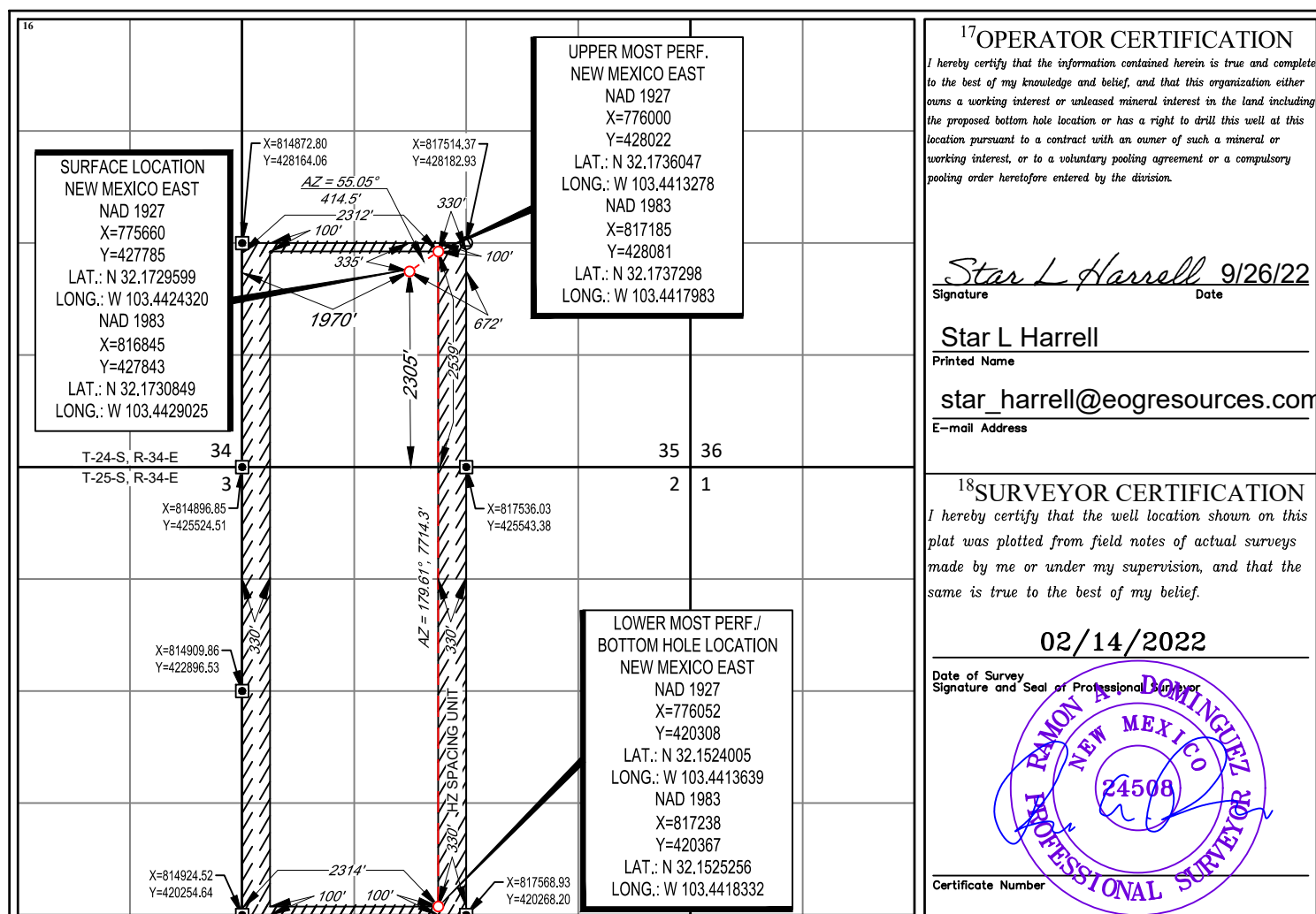
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	35	24-S	34-E	-	2305'	SOUTH	1970'	WEST	LEA

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	2314'	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 102H

2305' FSL

Revised Wellbore

KB: 3427'

1970' FWL

GL: 3402'

Section 35

T-24-S, R-34-E

API: 30-025-49752

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' - 17,050'

KOP: 9,005'

Lateral: 17,042' MD, 9,468' TVD
BH Location: 100' FSL & 2314' FWL
Sec. 2
T-25-S R-34-E



Honey Buzzard 35 South State Com 102H

Permit Information:

Well Name: Honey Buzzard 35 South State Com 102H

Location: SHL: 2305' FSL & 1970' FWL, Section 35, T-24-S, R-34-E, Lea Co., N.M.

BHL: 100' FSL & 2314' FWL, Section 2, T-25-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval MD From (ft) To (ft)		Interval TVD From (ft) To (ft)		Csg OD	Weight	Grade	Conn
16"	0	1,160	0	1,160	13-3/8"	54.5#	J-55	STC
12-1/4"	0	4,015	0	4,000	9-5/8"	40#	J-55	LTC
12-1/4"	4,015	5,285	4,000	5,270	9-5/8"	40#	HCK-55	LTC
7-7/8"	0	17,042	0	9,468	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
17,042'	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' – 17,042' Lateral	Oil Base	8.8-9.5	58-68	N/c - 6

Lea County, NM (NAD 83 NME)

Honey Buzzard 35 South State Com #102H

Plan #0.2

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: #102H

KB = 26' @ 3428.0usft 3402.0

Northing	Easting	Latitude	Longitude
427843.00	816845.00	32.1730845°N	103.4429041°W

SECTION DETAILS

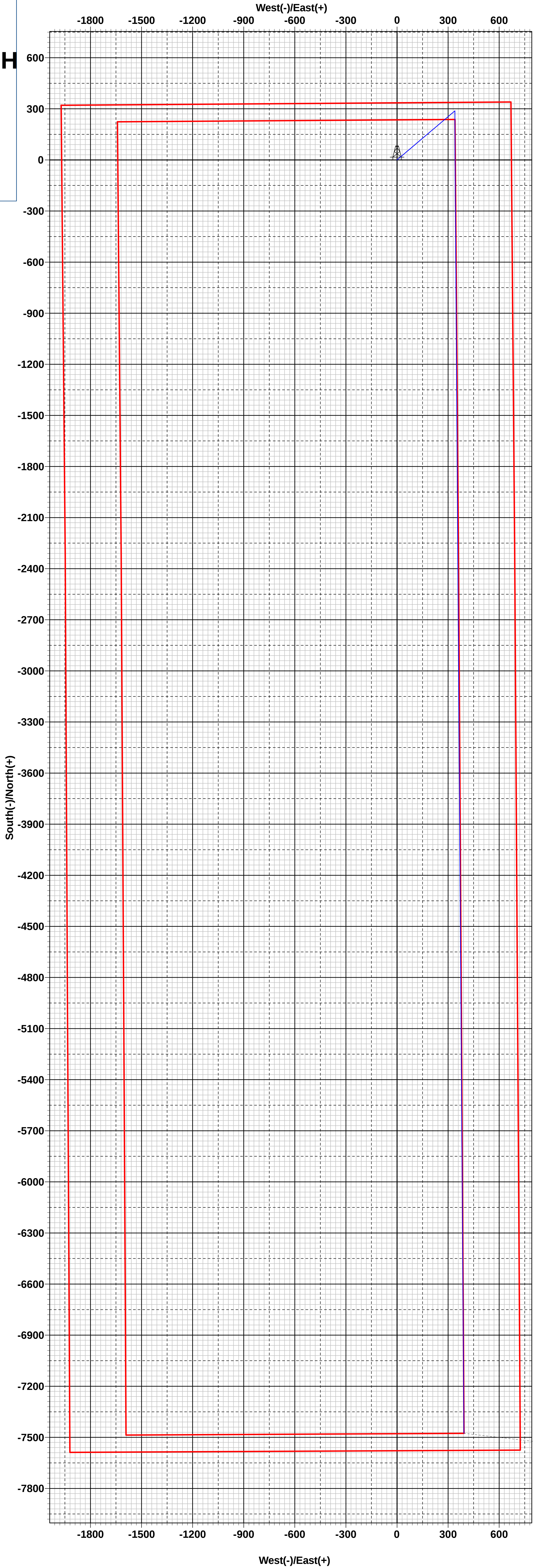
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1250.0	0.00	0.00	1250.0	0.0	0.0	0.00	0.00	0.0	
3	1444.0	3.88	49.73	1443.8	4.2	5.0	2.00	49.73	-4.0	
4	7836.0	3.88	49.73	7821.2	283.8	335.0	0.00	0.00	-265.8	
5	8029.9	0.00	0.00	8015.0	288.0	340.0	2.00	180.00	-269.8	
6	9005.4	0.00	0.00	8990.5	288.0	340.0	0.00	0.00	-269.8	KOP(Honey Buzzard 35 South SC #102H)
7	9225.9	26.46	180.00	9203.2	238.0	340.0	12.00	180.00	-219.8	FTP(Honey Buzzard 35 South SC #102H)
8	9755.4	90.00	179.60	9467.9	-189.5	342.1	12.00	-0.45	207.2	
9	17042.1	90.00	179.60	9468.0	-7476.0	393.0	0.00	0.00	7486.3	PBHL(Honey Buzzard 35 South SC #102H)

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 #102H)	8990.5	288.0	340.0	428131.00	817185.00
FTP(Honey Buzzard 35 South SC #102H)	9203.2	238.0	340.0	428081.00	817185.00
PBHL(Honey Buzzard 35 South SC #102H)	9468.0	-7476.0	393.0	420367.00	817238.00



Honey Buzzard 35 South State Com/#102H/Plan #0.2

Vertical Section at 176.99°



Midland

**Lea County, NM (NAD 83 NME)
Honey Buzzard 35 South State Com
#102H
142774
OH**

Plan: Plan #0.2

Standard Planning Report

23 September, 2022





Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #102H
Company:	Midland	TVD Reference:	KB = 26' @ 3428.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3428.0usft
Site:	Honey Buzzard 35 South State Com	North Reference:	Grid
Well:	#102H	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:	32.1730884°N
From:	Map	Easting:	816,070.00 usft	Longitude:	103.4454087°W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	#102H					
Well Position	+N/-S	0.0 usft	Northing:	427,843.00 usft	Latitude:	32.1730845°N
	+E/-W	0.0 usft	Easting:	816,845.00 usft	Longitude:	103.4429041°W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,402.0 usft
Grid Convergence:		0.47 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/15/2022	6.31	59.82	47,328.89809854

Design	Plan #0.2				
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	176.99	

Plan Survey Tool Program	Date	9/23/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,042.1 Plan #0.2 (OH)	EOG MWD+IFR1		
			MWD + IFR1		



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #102H
Company:	Midland	TVD Reference:	KB = 26' @ 3428.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3428.0usft
Site:	Honey Buzzard 35 South State Com	North Reference:	Grid
Well:	#102H	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	
1,250.0	0.00	0.00	1,250.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,444.0	3.88	49.73	1,443.8	4.2	5.0	2.00	2.00	0.00	49.73	
7,836.0	3.88	49.73	7,821.2	283.8	335.0	0.00	0.00	0.00	0.00	
8,029.9	0.00	0.00	8,015.0	288.0	340.0	2.00	-2.00	0.00	180.00	
9,005.4	0.00	0.00	8,990.5	288.0	340.0	0.00	0.00	0.00	0.00	KOP(Honey Buzzard
9,225.9	26.46	180.00	9,203.2	238.0	340.0	12.00	12.00	81.65	180.00	FTP(Honey Buzzard
9,755.4	90.00	179.60	9,467.9	-189.5	342.1	12.00	12.00	-0.08	-0.45	
17,042.1	90.00	179.60	9,468.0	-7,476.0	393.0	0.00	0.00	0.00	0.00	PBHL(Honey Buzzarc



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #102H
Company:	Midland	TVD Reference:	KB = 26' @ 3428.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3428.0usft
Site:	Honey Buzzard 35 South State Com	North Reference:	Grid
Well:	#102H	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
1,250.0	0.00	0.00	1,250.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	1.00	49.73	1,300.0	0.3	0.3	-0.3	2.00	2.00	0.00
1,400.0	3.00	49.73	1,399.9	2.5	3.0	-2.4	2.00	2.00	0.00
1,444.0	3.88	49.73	1,443.8	4.2	5.0	-4.0	2.00	2.00	0.00
1,500.0	3.88	49.73	1,499.7	6.7	7.9	-6.3	0.00	0.00	0.00
1,600.0	3.88	49.73	1,599.5	11.1	13.1	-10.4	0.00	0.00	0.00
1,700.0	3.88	49.73	1,699.3	15.4	18.2	-14.5	0.00	0.00	0.00
1,800.0	3.88	49.73	1,799.0	19.8	23.4	-18.6	0.00	0.00	0.00
1,900.0	3.88	49.73	1,898.8	24.2	28.6	-22.7	0.00	0.00	0.00
2,000.0	3.88	49.73	1,998.6	28.6	33.7	-26.7	0.00	0.00	0.00
2,100.0	3.88	49.73	2,098.3	32.9	38.9	-30.8	0.00	0.00	0.00
2,200.0	3.88	49.73	2,198.1	37.3	44.0	-34.9	0.00	0.00	0.00
2,300.0	3.88	49.73	2,297.9	41.7	49.2	-39.0	0.00	0.00	0.00
2,400.0	3.88	49.73	2,397.7	46.0	54.4	-43.1	0.00	0.00	0.00
2,500.0	3.88	49.73	2,497.4	50.4	59.5	-47.2	0.00	0.00	0.00
2,600.0	3.88	49.73	2,597.2	54.8	64.7	-51.3	0.00	0.00	0.00
2,700.0	3.88	49.73	2,697.0	59.2	69.9	-55.4	0.00	0.00	0.00
2,800.0	3.88	49.73	2,796.7	63.5	75.0	-59.5	0.00	0.00	0.00
2,900.0	3.88	49.73	2,896.5	67.9	80.2	-63.6	0.00	0.00	0.00
3,000.0	3.88	49.73	2,996.3	72.3	85.3	-67.7	0.00	0.00	0.00
3,100.0	3.88	49.73	3,096.1	76.7	90.5	-71.8	0.00	0.00	0.00
3,200.0	3.88	49.73	3,195.8	81.0	95.7	-75.9	0.00	0.00	0.00
3,300.0	3.88	49.73	3,295.6	85.4	100.8	-80.0	0.00	0.00	0.00
3,400.0	3.88	49.73	3,395.4	89.8	106.0	-84.1	0.00	0.00	0.00
3,500.0	3.88	49.73	3,495.1	94.2	111.1	-88.2	0.00	0.00	0.00
3,600.0	3.88	49.73	3,594.9	98.5	116.3	-92.3	0.00	0.00	0.00
3,700.0	3.88	49.73	3,694.7	102.9	121.5	-96.4	0.00	0.00	0.00
3,800.0	3.88	49.73	3,794.5	107.3	126.6	-100.5	0.00	0.00	0.00
3,900.0	3.88	49.73	3,894.2	111.6	131.8	-104.6	0.00	0.00	0.00
4,000.0	3.88	49.73	3,994.0	116.0	137.0	-108.7	0.00	0.00	0.00
4,100.0	3.88	49.73	4,093.8	120.4	142.1	-112.8	0.00	0.00	0.00
4,200.0	3.88	49.73	4,193.5	124.8	147.3	-116.9	0.00	0.00	0.00
4,300.0	3.88	49.73	4,293.3	129.1	152.4	-121.0	0.00	0.00	0.00
4,400.0	3.88	49.73	4,393.1	133.5	157.6	-125.0	0.00	0.00	0.00
4,500.0	3.88	49.73	4,492.8	137.9	162.8	-129.1	0.00	0.00	0.00
4,600.0	3.88	49.73	4,592.6	142.3	167.9	-133.2	0.00	0.00	0.00
4,700.0	3.88	49.73	4,692.4	146.6	173.1	-137.3	0.00	0.00	0.00
4,800.0	3.88	49.73	4,792.2	151.0	178.3	-141.4	0.00	0.00	0.00
4,900.0	3.88	49.73	4,891.9	155.4	183.4	-145.5	0.00	0.00	0.00
5,000.0	3.88	49.73	4,991.7	159.7	188.6	-149.6	0.00	0.00	0.00
5,100.0	3.88	49.73	5,091.5	164.1	193.7	-153.7	0.00	0.00	0.00



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #102H
Company:	Midland	TVD Reference:	KB = 26' @ 3428.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3428.0usft
Site:	Honey Buzzard 35 South State Com	North Reference:	Grid
Well:	#102H	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)
5,200.0	3.88	49.73	5,191.2	168.5	198.9	-157.8	0.00	0.00	0.00
5,300.0	3.88	49.73	5,291.0	172.9	204.1	-161.9	0.00	0.00	0.00
5,400.0	3.88	49.73	5,390.8	177.2	209.2	-166.0	0.00	0.00	0.00
5,500.0	3.88	49.73	5,490.6	181.6	214.4	-170.1	0.00	0.00	0.00
5,600.0	3.88	49.73	5,590.3	186.0	219.6	-174.2	0.00	0.00	0.00
5,700.0	3.88	49.73	5,690.1	190.4	224.7	-178.3	0.00	0.00	0.00
5,800.0	3.88	49.73	5,789.9	194.7	229.9	-182.4	0.00	0.00	0.00
5,900.0	3.88	49.73	5,889.6	199.1	235.0	-186.5	0.00	0.00	0.00
6,000.0	3.88	49.73	5,989.4	203.5	240.2	-190.6	0.00	0.00	0.00
6,100.0	3.88	49.73	6,089.2	207.8	245.4	-194.7	0.00	0.00	0.00
6,200.0	3.88	49.73	6,189.0	212.2	250.5	-198.8	0.00	0.00	0.00
6,300.0	3.88	49.73	6,288.7	216.6	255.7	-202.9	0.00	0.00	0.00
6,400.0	3.88	49.73	6,388.5	221.0	260.9	-207.0	0.00	0.00	0.00
6,500.0	3.88	49.73	6,488.3	225.3	266.0	-211.1	0.00	0.00	0.00
6,600.0	3.88	49.73	6,588.0	229.7	271.2	-215.2	0.00	0.00	0.00
6,700.0	3.88	49.73	6,687.8	234.1	276.3	-219.3	0.00	0.00	0.00
6,800.0	3.88	49.73	6,787.6	238.5	281.5	-223.3	0.00	0.00	0.00
6,900.0	3.88	49.73	6,887.4	242.8	286.7	-227.4	0.00	0.00	0.00
7,000.0	3.88	49.73	6,987.1	247.2	291.8	-231.5	0.00	0.00	0.00
7,100.0	3.88	49.73	7,086.9	251.6	297.0	-235.6	0.00	0.00	0.00
7,200.0	3.88	49.73	7,186.7	255.9	302.2	-239.7	0.00	0.00	0.00
7,300.0	3.88	49.73	7,286.4	260.3	307.3	-243.8	0.00	0.00	0.00
7,400.0	3.88	49.73	7,386.2	264.7	312.5	-247.9	0.00	0.00	0.00
7,500.0	3.88	49.73	7,486.0	269.1	317.6	-252.0	0.00	0.00	0.00
7,600.0	3.88	49.73	7,585.7	273.4	322.8	-256.1	0.00	0.00	0.00
7,700.0	3.88	49.73	7,685.5	277.8	328.0	-260.2	0.00	0.00	0.00
7,800.0	3.88	49.73	7,785.3	282.2	333.1	-264.3	0.00	0.00	0.00
7,836.0	3.88	49.73	7,821.2	283.8	335.0	-265.8	0.00	0.00	0.00
7,900.0	2.60	49.73	7,885.1	286.1	337.8	-268.0	2.00	-2.00	0.00
8,000.0	0.60	49.73	7,985.1	287.9	339.9	-269.7	2.00	-2.00	0.00
8,029.9	0.00	0.00	8,015.0	288.0	340.0	-269.8	2.00	-2.00	0.00
8,100.0	0.00	0.00	8,085.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,200.0	0.00	0.00	8,185.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,285.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,385.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,485.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,585.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,685.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,785.1	288.0	340.0	-269.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,885.1	288.0	340.0	-269.8	0.00	0.00	0.00
9,005.4	0.00	0.00	8,990.5	288.0	340.0	-269.8	0.00	0.00	0.00
9,025.0	2.35	180.00	9,010.1	287.6	340.0	-269.4	12.00	12.00	0.00
9,050.0	5.35	180.00	9,035.0	285.9	340.0	-267.7	12.00	12.00	0.00
9,075.0	8.35	180.00	9,059.8	282.9	340.0	-264.7	12.00	12.00	0.00
9,100.0	11.35	180.00	9,084.4	278.7	340.0	-260.4	12.00	12.00	0.00
9,125.0	14.35	180.00	9,108.8	273.1	340.0	-254.9	12.00	12.00	0.00
9,150.0	17.35	180.00	9,132.9	266.3	340.0	-248.1	12.00	12.00	0.00
9,175.0	20.35	180.00	9,156.5	258.2	340.0	-240.0	12.00	12.00	0.00
9,200.0	23.35	180.00	9,179.7	248.9	340.0	-230.7	12.00	12.00	0.00
9,225.9	26.46	180.00	9,203.2	238.0	340.0	-219.8	12.00	12.00	0.00
9,250.0	29.35	179.95	9,224.5	226.7	340.0	-208.6	12.00	12.00	-0.19
9,275.0	32.35	179.91	9,246.0	213.9	340.0	-195.8	12.00	12.00	-0.16
9,300.0	35.35	179.88	9,266.7	200.0	340.0	-181.9	12.00	12.00	-0.13
9,325.0	38.35	179.85	9,286.7	185.0	340.1	-166.9	12.00	12.00	-0.12



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #102H
Company:	Midland	TVD Reference:	KB = 26' @ 3428.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3428.0usft
Site:	Honey Buzzard 35 South State Com	North Reference:	Grid
Well:	#102H	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)	
9,350.0	41.35	179.83	9,305.9	169.0	340.1	-150.9	12.00	12.00	-0.10	
9,375.0	44.35	179.80	9,324.2	152.0	340.2	-133.9	12.00	12.00	-0.09	
9,400.0	47.35	179.78	9,341.7	134.0	340.2	-116.0	12.00	12.00	-0.08	
9,425.0	50.35	179.76	9,358.1	115.2	340.3	-97.2	12.00	12.00	-0.07	
9,450.0	53.35	179.75	9,373.5	95.6	340.4	-77.6	12.00	12.00	-0.07	
9,475.0	56.35	179.73	9,387.9	75.1	340.5	-57.1	12.00	12.00	-0.06	
9,500.0	59.35	179.72	9,401.2	54.0	340.6	-36.0	12.00	12.00	-0.06	
9,525.0	62.35	179.70	9,413.4	32.1	340.7	-14.2	12.00	12.00	-0.05	
9,550.0	65.35	179.69	9,424.4	9.7	340.8	8.2	12.00	12.00	-0.05	
9,575.0	68.35	179.68	9,434.3	-13.3	341.0	31.2	12.00	12.00	-0.05	
9,600.0	71.35	179.67	9,442.9	-36.8	341.1	54.6	12.00	12.00	-0.05	
9,625.0	74.35	179.66	9,450.2	-60.7	341.2	78.5	12.00	12.00	-0.05	
9,650.0	77.35	179.64	9,456.4	-84.9	341.4	102.7	12.00	12.00	-0.04	
9,675.0	80.35	179.63	9,461.2	-109.4	341.5	127.2	12.00	12.00	-0.04	
9,700.0	83.35	179.62	9,464.7	-134.2	341.7	151.9	12.00	12.00	-0.04	
9,725.0	86.35	179.61	9,467.0	-159.1	341.9	176.8	12.00	12.00	-0.04	
9,750.0	89.35	179.60	9,467.9	-184.0	342.0	201.7	12.00	12.00	-0.04	
9,755.4	90.00	179.60	9,467.9	-189.5	342.1	207.2	12.00	12.00	-0.04	
9,800.0	90.00	179.60	9,467.9	-234.0	342.4	251.7	0.00	0.00	0.00	
9,900.0	90.00	179.60	9,467.9	-334.0	343.1	351.6	0.00	0.00	0.00	
10,000.0	90.00	179.60	9,467.9	-434.0	343.8	451.5	0.00	0.00	0.00	
10,100.0	90.00	179.60	9,467.9	-534.0	344.5	551.4	0.00	0.00	0.00	
10,200.0	90.00	179.60	9,467.9	-634.0	345.2	651.3	0.00	0.00	0.00	
10,300.0	90.00	179.60	9,467.9	-734.0	345.9	751.2	0.00	0.00	0.00	
10,400.0	90.00	179.60	9,467.9	-834.0	346.6	851.1	0.00	0.00	0.00	
10,500.0	90.00	179.60	9,468.0	-934.0	347.3	951.0	0.00	0.00	0.00	
10,600.0	90.00	179.60	9,468.0	-1,034.0	348.0	1,050.9	0.00	0.00	0.00	
10,700.0	90.00	179.60	9,468.0	-1,134.0	348.7	1,150.8	0.00	0.00	0.00	
10,800.0	90.00	179.60	9,468.0	-1,234.0	349.4	1,250.6	0.00	0.00	0.00	
10,900.0	90.00	179.60	9,468.0	-1,334.0	350.1	1,350.5	0.00	0.00	0.00	
11,000.0	90.00	179.60	9,468.0	-1,434.0	350.8	1,450.4	0.00	0.00	0.00	
11,100.0	90.00	179.60	9,468.0	-1,534.0	351.5	1,550.3	0.00	0.00	0.00	
11,200.0	90.00	179.60	9,468.0	-1,634.0	352.2	1,650.2	0.00	0.00	0.00	
11,300.0	90.00	179.60	9,468.0	-1,734.0	352.9	1,750.1	0.00	0.00	0.00	
11,400.0	90.00	179.60	9,468.0	-1,834.0	353.6	1,850.0	0.00	0.00	0.00	
11,500.0	90.00	179.60	9,468.0	-1,934.0	354.3	1,949.9	0.00	0.00	0.00	
11,600.0	90.00	179.60	9,468.0	-2,034.0	355.0	2,049.8	0.00	0.00	0.00	
11,700.0	90.00	179.60	9,468.0	-2,134.0	355.7	2,149.7	0.00	0.00	0.00	
11,800.0	90.00	179.60	9,468.0	-2,234.0	356.4	2,249.6	0.00	0.00	0.00	
11,900.0	90.00	179.60	9,468.0	-2,334.0	357.1	2,349.5	0.00	0.00	0.00	
12,000.0	90.00	179.60	9,468.0	-2,434.0	357.8	2,449.4	0.00	0.00	0.00	
12,100.0	90.00	179.60	9,468.0	-2,534.0	358.5	2,549.3	0.00	0.00	0.00	
12,200.0	90.00	179.60	9,468.0	-2,634.0	359.2	2,649.2	0.00	0.00	0.00	
12,300.0	90.00	179.60	9,468.0	-2,734.0	359.9	2,749.1	0.00	0.00	0.00	
12,400.0	90.00	179.60	9,468.0	-2,834.0	360.6	2,849.0	0.00	0.00	0.00	
12,500.0	90.00	179.60	9,468.0	-2,934.0	361.3	2,948.9	0.00	0.00	0.00	
12,600.0	90.00	179.60	9,468.0	-3,034.0	362.0	3,048.8	0.00	0.00	0.00	
12,700.0	90.00	179.60	9,468.0	-3,134.0	362.6	3,148.7	0.00	0.00	0.00	
12,800.0	90.00	179.60	9,468.0	-3,234.0	363.3	3,248.6	0.00	0.00	0.00	
12,900.0	90.00	179.60	9,468.0	-3,334.0	364.0	3,348.5	0.00	0.00	0.00	
13,000.0	90.00	179.60	9,468.0	-3,434.0	364.7	3,448.4	0.00	0.00	0.00	
13,100.0	90.00	179.60	9,468.0	-3,534.0	365.4	3,548.3	0.00	0.00	0.00	
13,200.0	90.00	179.60	9,468.0	-3,633.9	366.1	3,648.2	0.00	0.00	0.00	
13,300.0	90.00	179.60	9,468.0	-3,733.9	366.8	3,748.1	0.00	0.00	0.00	



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #102H
Company:	Midland	TVD Reference:	KB = 26' @ 3428.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3428.0usft
Site:	Honey Buzzard 35 South State Com	North Reference:	Grid
Well:	#102H	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)	
13,400.0	90.00	179.60	9,468.0	-3,833.9	367.5	3,848.0	0.00	0.00	0.00	
13,500.0	90.00	179.60	9,468.0	-3,933.9	368.2	3,947.8	0.00	0.00	0.00	
13,600.0	90.00	179.60	9,468.0	-4,033.9	368.9	4,047.7	0.00	0.00	0.00	
13,700.0	90.00	179.60	9,468.0	-4,133.9	369.6	4,147.6	0.00	0.00	0.00	
13,800.0	90.00	179.60	9,468.0	-4,233.9	370.3	4,247.5	0.00	0.00	0.00	
13,900.0	90.00	179.60	9,468.0	-4,333.9	371.0	4,347.4	0.00	0.00	0.00	
14,000.0	90.00	179.60	9,468.0	-4,433.9	371.7	4,447.3	0.00	0.00	0.00	
14,100.0	90.00	179.60	9,468.0	-4,533.9	372.4	4,547.2	0.00	0.00	0.00	
14,200.0	90.00	179.60	9,468.0	-4,633.9	373.1	4,647.1	0.00	0.00	0.00	
14,300.0	90.00	179.60	9,468.0	-4,733.9	373.8	4,747.0	0.00	0.00	0.00	
14,400.0	90.00	179.60	9,468.0	-4,833.9	374.5	4,846.9	0.00	0.00	0.00	
14,500.0	90.00	179.60	9,468.0	-4,933.9	375.2	4,946.8	0.00	0.00	0.00	
14,600.0	90.00	179.60	9,468.0	-5,033.9	375.9	5,046.7	0.00	0.00	0.00	
14,700.0	90.00	179.60	9,468.0	-5,133.9	376.6	5,146.6	0.00	0.00	0.00	
14,800.0	90.00	179.60	9,468.0	-5,233.9	377.3	5,246.5	0.00	0.00	0.00	
14,900.0	90.00	179.60	9,468.0	-5,333.9	378.0	5,346.4	0.00	0.00	0.00	
15,000.0	90.00	179.60	9,468.0	-5,433.9	378.7	5,446.3	0.00	0.00	0.00	
15,100.0	90.00	179.60	9,468.0	-5,533.9	379.4	5,546.2	0.00	0.00	0.00	
15,200.0	90.00	179.60	9,468.0	-5,633.9	380.1	5,646.1	0.00	0.00	0.00	
15,300.0	90.00	179.60	9,468.0	-5,733.9	380.8	5,746.0	0.00	0.00	0.00	
15,400.0	90.00	179.60	9,468.0	-5,833.9	381.5	5,845.9	0.00	0.00	0.00	
15,500.0	90.00	179.60	9,468.0	-5,933.9	382.2	5,945.8	0.00	0.00	0.00	
15,600.0	90.00	179.60	9,468.0	-6,033.9	382.9	6,045.7	0.00	0.00	0.00	
15,700.0	90.00	179.60	9,468.0	-6,133.9	383.6	6,145.6	0.00	0.00	0.00	
15,800.0	90.00	179.60	9,468.0	-6,233.9	384.3	6,245.5	0.00	0.00	0.00	
15,900.0	90.00	179.60	9,468.0	-6,333.9	385.0	6,345.4	0.00	0.00	0.00	
16,000.0	90.00	179.60	9,468.0	-6,433.9	385.7	6,445.3	0.00	0.00	0.00	
16,100.0	90.00	179.60	9,468.0	-6,533.9	386.4	6,545.2	0.00	0.00	0.00	
16,200.0	90.00	179.60	9,468.0	-6,633.9	387.1	6,645.1	0.00	0.00	0.00	
16,300.0	90.00	179.60	9,468.0	-6,733.9	387.8	6,744.9	0.00	0.00	0.00	
16,400.0	90.00	179.60	9,468.0	-6,833.9	388.5	6,844.8	0.00	0.00	0.00	
16,500.0	90.00	179.60	9,468.0	-6,933.9	389.2	6,944.7	0.00	0.00	0.00	
16,600.0	90.00	179.60	9,468.0	-7,033.9	389.9	7,044.6	0.00	0.00	0.00	
16,700.0	90.00	179.60	9,468.0	-7,133.9	390.6	7,144.5	0.00	0.00	0.00	
16,800.0	90.00	179.60	9,468.0	-7,233.9	391.3	7,244.4	0.00	0.00	0.00	
16,900.0	90.00	179.60	9,468.0	-7,333.9	392.0	7,344.3	0.00	0.00	0.00	
17,000.0	90.00	179.60	9,468.0	-7,433.9	392.7	7,444.2	0.00	0.00	0.00	
17,042.1	90.00	179.60	9,468.0	-7,476.0	393.0	7,486.3	0.00	0.00	0.00	



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #102H
Company:	Midland	TVD Reference:	KB = 26' @ 3428.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3428.0usft
Site:	Honey Buzzard 35 South State Com	North Reference:	Grid
Well:	#102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
KOP(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	8,990.5	288.0	340.0	428,131.00	817,185.00	32.1738684°N	103.4417976°W
FTP(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	9,203.2	238.0	340.0	428,081.00	817,185.00	32.1737309°N	103.4417989°W
PBHL(Honey Buzzard 35 - plan hits target center - Point	0.00	0.00	9,468.0	-7,476.0	393.0	420,367.00	817,238.00	32.1525270°N	103.4418342°W

District I
1625 N. French Dr., Hobbs, NM 88240
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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
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 146326

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 146326
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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