

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. 30-025-51284	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name CRAZY GOAT 8711 14-11 STATE COM	
8. Well Number	4H
9. OGRID Number	260297
10. Pool name or Wildcat Ojo Chiso ; Bone Spring	

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
BTA OIL PRODUCERS, LLC

3. Address of Operator
104 S. Pecos, Midland, TX 79701

4. Well Location
 Unit Letter O : 285 feet from the South line and 1650 feet from the East line
 Section 14 Township 22S Range 34E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3471'

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.

BTA Oil Producers LLC respectfully requests the following footage, casing, cement, and drill plan changes to the original APD as approved. SHL/FTP/LTP/BHL will remain the same. Please see attached documents for more details.

OLD FOOTAGES:

SHL: 285' FSL & 1650' FEL (NO CHANGE)
 FTP: 100' FSL & 990' FEL (NO CHANGE)
 LTP: 100' FNL & 990' FEL (NO CHANGE)
 BHL: 50' FNL & 990' FEL (NO CHANGE)

NEW FOOTAGES

KOP: 20' FSL & 990' FEL

Spud Date:

5/23/2024

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Shajar TITLE Regulatory Analyst DATE 8/22/2023

Type or print name _____ E-mail address: SHAJAR@BTAOIL.COM PHONE: 432-682-3753

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

DISTRICT I
1625 N French Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax (505) 393-0720

DISTRICT II
811 S First St., Artesia, NM 88210
Phone (505) 748-1283 Fax (505) 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, New Mexico 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-51284	Pool Code 96553	Pool Name Ojo Chiso; Bone Spring
Property Code 333897	Property Name CRAZY GOAT 8711 14-11 STATE COM	Well Number 4H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3471'

Surface Location

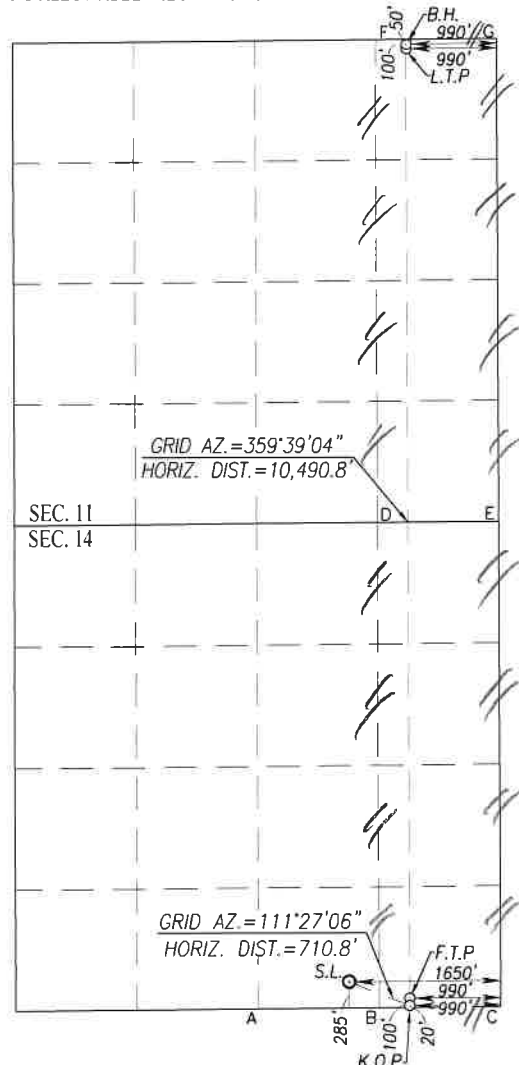
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	14	22-S	34-E		285	SOUTH	1650	EAST	LEA

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
A	11	22-S	34-E		50	NORTH	990	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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



SCALE: 1"=2000'

BOTTOM HOLE LOCATION
NAD 83 NME
Y= 515267.5 N
X= 818456.4 E
LAT.=32.413337° N
LONG.=103.435331° W

LAST TAKE POINT
NAD 83 NME
Y= 515217.5 N
X= 818456.7 E
LAT.=32.413200° N
LONG.=103.435331° W

BOTTOM HOLE LOCATION
NAD 27 NME
Y= 515206.6 N
X= 777273.2 E
LAT.=32.413213° N
LONG.=103.434851° W

LAST TAKE POINT
NAD 27 NME
Y= 515156.6 N
X= 777273.6 E
LAT.=32.413076° N
LONG.=103.434852° W

CORNER COORDINATES TABLE

NAD 27 NME
A - Y= 504685.3 N, X= 775688.3 E
B - Y= 504695.5 N, X= 777007.6 E
C - Y= 504705.7 N, X= 778326.8 E
D - Y= 509974.0 N, X= 776975.8 E
E - Y= 509985.0 N, X= 778295.0 E
F - Y= 515253.9 N, X= 776943.6 E
G - Y= 515264.6 N, X= 778262.7 E

CORNER COORDINATES TABLE

NAD 83 NME
A - Y= 504745.9 N, X= 816871.6 E
B - Y= 504756.1 N, X= 818190.9 E
C - Y= 504766.3 N, X= 819510.2 E
D - Y= 510034.7 N, X= 818159.0 E
E - Y= 510045.7 N, X= 819478.3 E
F - Y= 515314.8 N, X= 818126.8 E
G - Y= 515325.5 N, X= 819445.9 E

FIRST TAKE POINT
NAD 83 NME
Y= 504858.6 N
X= 818519.8 E
LAT.=32.384727° N
LONG.=103.435409° W

KICK OFF POINT
NAD 83 NME
Y= 504778.6 N
X= 818520.3 E
LAT.=32.384507° N
LONG.=103.435409° W

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 505038.6 N
X= 817858.8 E
LAT.=32.385237° N
LONG.=103.437545° W

FIRST TAKE POINT
NAD 27 NME
Y= 504798.0 N
X= 777336.4 E
LAT.=32.384603° N
LONG.=103.434930° W

KICK OFF POINT
NAD 27 NME
Y= 504718.0 N
X= 777336.9 E
LAT.=32.384383° N
LONG.=103.434930° W

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 504978.0 N
X= 776675.5 E
LAT.=32.385113° N
LONG.=103.437066° W

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Sammy Hajar* Date: 8/22/23

Printed Name: Sammy Hajar

E-mail Address: SHAJAR@BTAOIL.COM

SURVEYOR CERTIFICATION

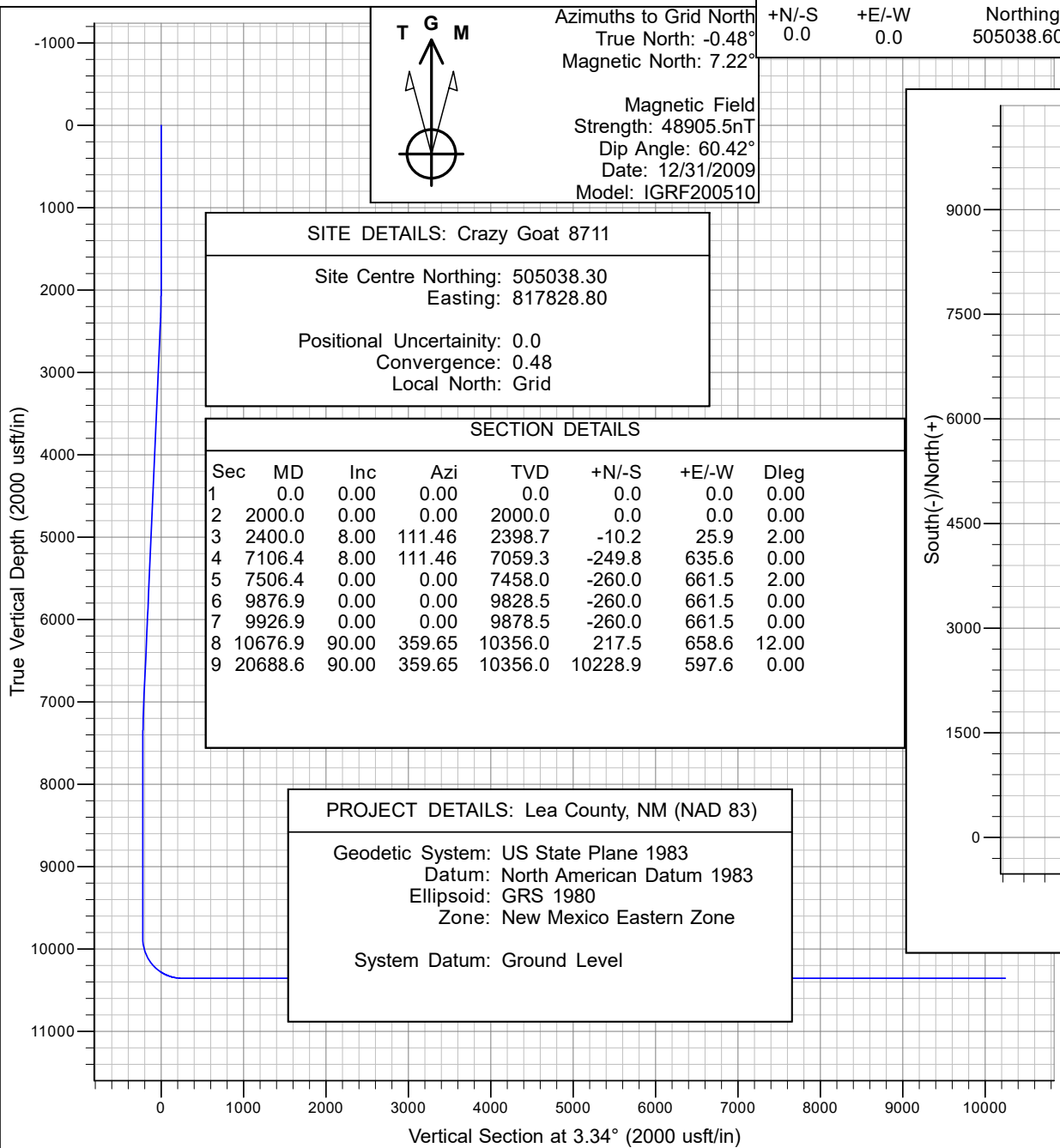
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge.

Date of Survey: 8/15/2023
Signature: *Gary G. Eidson*
12641
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number: Gary G. Eidson 12641
Ronald J. Eidson 3239

ACK REL W O 30110589 JWSC W O 23 13 0190

BTA Oil Producers, LLC



Azimuths to Grid North
True North: -0.48°
Magnetic North: 7.22°
Magnetic Field
Strength: 48905.5nT
Dip Angle: 60.42°
Date: 12/31/2009
Model: IGRF200510

SITE DETAILS: Crazy Goat 8711

Site Centre Northing: 505038.30
Easting: 817828.80

Positional Uncertainty: 0.0
Convergence: 0.48
Local North: Grid

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00
3	2400.0	8.00	111.46	2398.7	-10.2	25.9	2.00
4	7106.4	8.00	111.46	7059.3	-249.8	635.6	0.00
5	7506.4	0.00	0.00	7458.0	-260.0	661.5	2.00
6	9876.9	0.00	0.00	9828.5	-260.0	661.5	0.00
7	9926.9	0.00	0.00	9878.5	-260.0	661.5	0.00
8	10676.9	90.00	359.65	10356.0	217.5	658.6	12.00
9	20688.6	90.00	359.65	10356.0	10228.9	597.6	0.00

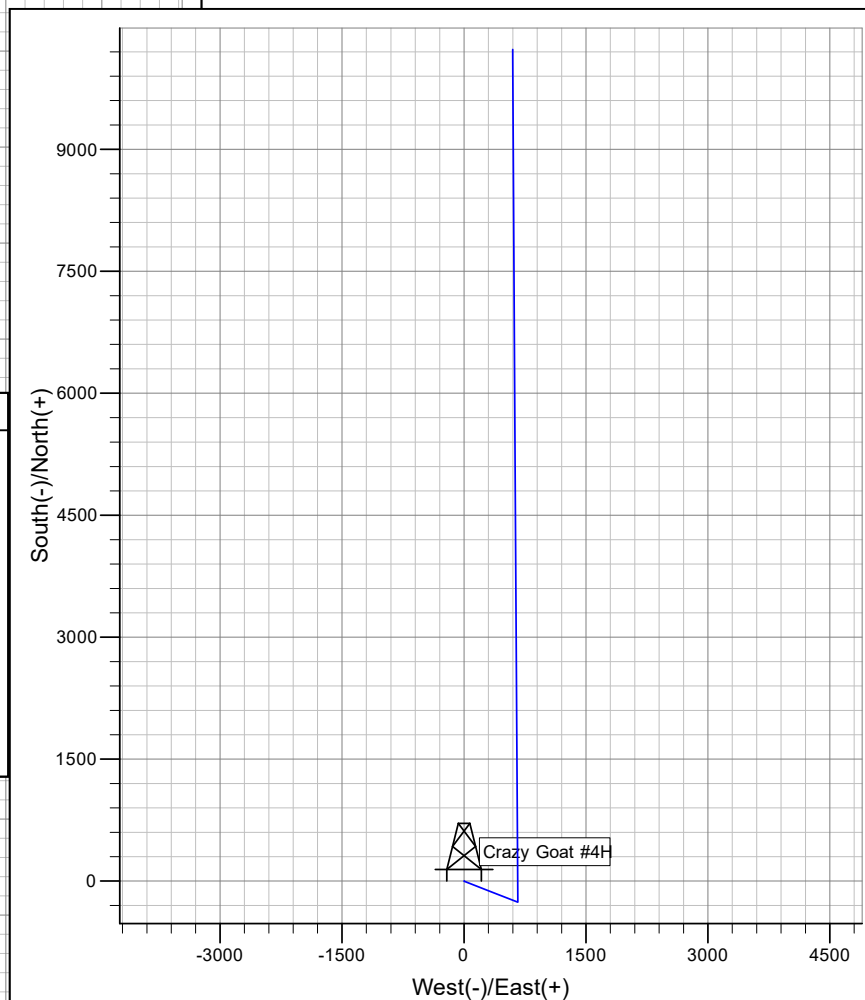
PROJECT DETAILS: Lea County, NM (NAD 83)

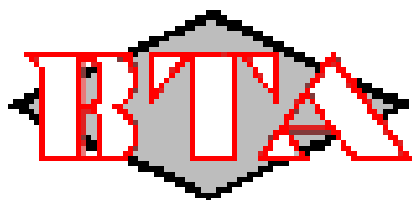
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

System Datum: Ground Level

WELL DETAILS: Crazy Goat #4H

+N/-S	+E/-W	Northing	Ground Level Easting	3471.0 Latitude	Longitude
0.0	0.0	505038.60	817858.80	32° 23' 6.854 N	103° 26' 15.161 W





BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Crazy Goat 8711

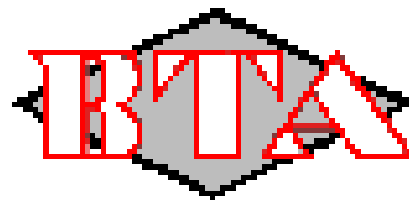
Crazy Goat #4H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

22 August, 2023





Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Crazy Goat #4H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3471.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3471.0usft
Site:	Crazy Goat 8711	North Reference:	Grid
Well:	Crazy Goat #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Lea County, NM (NAD 83), Lea County, NM		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Crazy Goat 8711		
Site Position:		Northing:	505,038.30 usft
From:	Map	Easting:	817,828.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 23' 6.853 N
		Longitude:	103° 26' 15.511 W

Well	Crazy Goat #4H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.48 °	Latitude:	32° 23' 6.854 N
		Longitude:	103° 26' 15.161 W
		Ground Level:	3,471.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.70	60.42	48,905.52694315

Design	Design #1			
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	3.34

Plan Survey Tool Program	Date	8/22/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,688.6 Design #1 (Wellbore #1)		



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Crazy Goat #4H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3471.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3471.0usft
Site:	Crazy Goat 8711	North Reference:	Grid
Well:	Crazy Goat #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,400.0	8.00	111.46	2,398.7	-10.2	25.9	2.00	2.00	0.00	111.46	
7,106.4	8.00	111.46	7,059.3	-249.8	635.6	0.00	0.00	0.00	0.00	
7,506.4	0.00	0.00	7,458.0	-260.0	661.5	2.00	-2.00	0.00	180.00	
9,876.9	0.00	0.00	9,828.5	-260.0	661.5	0.00	0.00	0.00	0.00	Crazy Goat #4H KOP
9,926.9	0.00	0.00	9,878.5	-260.0	661.5	0.00	0.00	0.00	0.00	
10,676.9	90.00	359.65	10,356.0	217.5	658.6	12.00	12.00	0.00	359.65	
20,688.6	90.00	359.65	10,356.0	10,228.9	597.6	0.00	0.00	0.00	0.00	Crazy Goat #4H BHL



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Crazy Goat #4H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3471.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3471.0usft
Site:	Crazy Goat 8711	North Reference:	Grid
Well:	Crazy Goat #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
100.0	0.00	0.00	100.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
200.0	0.00	0.00	200.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
300.0	0.00	0.00	300.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
400.0	0.00	0.00	400.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
500.0	0.00	0.00	500.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
600.0	0.00	0.00	600.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
700.0	0.00	0.00	700.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
800.0	0.00	0.00	800.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
900.0	0.00	0.00	900.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	505,038.60	817,858.80	32° 23' 6.854 N	103° 26' 15.161 W
2,100.0	2.00	111.46	2,100.0	-0.6	1.6	505,037.96	817,860.42	32° 23' 6.847 N	103° 26' 15.142 W
2,200.0	4.00	111.46	2,199.8	-2.6	6.5	505,036.05	817,865.29	32° 23' 6.828 N	103° 26' 15.086 W
2,300.0	6.00	111.46	2,299.5	-5.7	14.6	505,032.86	817,873.40	32° 23' 6.796 N	103° 26' 14.991 W
2,400.0	8.00	111.46	2,398.7	-10.2	25.9	505,028.40	817,884.75	32° 23' 6.750 N	103° 26' 14.860 W
2,500.0	8.00	111.46	2,497.7	-15.3	38.9	505,023.31	817,897.70	32° 23' 6.699 N	103° 26' 14.709 W
2,600.0	8.00	111.46	2,596.8	-20.4	51.9	505,018.22	817,910.65	32° 23' 6.648 N	103° 26' 14.558 W
2,700.0	8.00	111.46	2,695.8	-25.5	64.8	505,013.13	817,923.60	32° 23' 6.596 N	103° 26' 14.408 W
2,800.0	8.00	111.46	2,794.8	-30.6	77.8	505,008.04	817,936.56	32° 23' 6.545 N	103° 26' 14.257 W
2,900.0	8.00	111.46	2,893.8	-35.7	90.7	505,002.95	817,949.51	32° 23' 6.493 N	103° 26' 14.107 W
3,000.0	8.00	111.46	2,992.9	-40.7	103.7	504,997.86	817,962.46	32° 23' 6.442 N	103° 26' 13.956 W
3,100.0	8.00	111.46	3,091.9	-45.8	116.6	504,992.77	817,975.41	32° 23' 6.390 N	103° 26' 13.806 W
3,200.0	8.00	111.46	3,190.9	-50.9	129.6	504,987.67	817,988.37	32° 23' 6.339 N	103° 26' 13.655 W
3,300.0	8.00	111.46	3,289.9	-56.0	142.5	504,982.58	818,001.32	32° 23' 6.287 N	103° 26' 13.505 W
3,400.0	8.00	111.46	3,389.0	-61.1	155.5	504,977.49	818,014.27	32° 23' 6.236 N	103° 26' 13.354 W
3,500.0	8.00	111.46	3,488.0	-66.2	168.4	504,972.40	818,027.23	32° 23' 6.185 N	103° 26' 13.204 W
3,600.0	8.00	111.46	3,587.0	-71.3	181.4	504,967.31	818,040.18	32° 23' 6.133 N	103° 26' 13.053 W
3,700.0	8.00	111.46	3,686.0	-76.4	194.3	504,962.22	818,053.13	32° 23' 6.082 N	103° 26' 12.902 W
3,800.0	8.00	111.46	3,785.1	-81.5	207.3	504,957.13	818,066.08	32° 23' 6.030 N	103° 26' 12.752 W
3,900.0	8.00	111.46	3,884.1	-86.6	220.2	504,952.04	818,079.04	32° 23' 5.979 N	103° 26' 12.601 W
4,000.0	8.00	111.46	3,983.1	-91.7	233.2	504,946.95	818,091.99	32° 23' 5.927 N	103° 26' 12.451 W
4,100.0	8.00	111.46	4,082.2	-96.7	246.1	504,941.86	818,104.94	32° 23' 5.876 N	103° 26' 12.300 W
4,200.0	8.00	111.46	4,181.2	-101.8	259.1	504,936.76	818,117.89	32° 23' 5.824 N	103° 26' 12.150 W
4,300.0	8.00	111.46	4,280.2	-106.9	272.0	504,931.67	818,130.85	32° 23' 5.773 N	103° 26' 11.999 W
4,400.0	8.00	111.46	4,379.2	-112.0	285.0	504,926.58	818,143.80	32° 23' 5.722 N	103° 26' 11.849 W
4,500.0	8.00	111.46	4,478.3	-117.1	298.0	504,921.49	818,156.75	32° 23' 5.670 N	103° 26' 11.698 W
4,600.0	8.00	111.46	4,577.3	-122.2	310.9	504,916.40	818,169.70	32° 23' 5.619 N	103° 26' 11.548 W
4,700.0	8.00	111.46	4,676.3	-127.3	323.9	504,911.31	818,182.66	32° 23' 5.567 N	103° 26' 11.397 W
4,800.0	8.00	111.46	4,775.3	-132.4	336.8	504,906.22	818,195.61	32° 23' 5.516 N	103° 26' 11.247 W
4,900.0	8.00	111.46	4,874.4	-137.5	349.8	504,901.13	818,208.56	32° 23' 5.464 N	103° 26' 11.096 W
5,000.0	8.00	111.46	4,973.4	-142.6	362.7	504,896.04	818,221.52	32° 23' 5.413 N	103° 26' 10.945 W
5,100.0	8.00	111.46	5,072.4	-147.7	375.7	504,890.95	818,234.47	32° 23' 5.361 N	103° 26' 10.795 W
5,200.0	8.00	111.46	5,171.5	-152.7	388.6	504,885.85	818,247.42	32° 23' 5.310 N	103° 26' 10.644 W
5,300.0	8.00	111.46	5,270.5	-157.8	401.6	504,880.76	818,260.37	32° 23' 5.258 N	103° 26' 10.494 W
5,400.0	8.00	111.46	5,369.5	-162.9	414.5	504,875.67	818,273.33	32° 23' 5.207 N	103° 26' 10.343 W



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Crazy Goat #4H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3471.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3471.0usft
Site:	Crazy Goat 8711	North Reference:	Grid
Well:	Crazy Goat #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,500.0	8.00	111.46	5,468.5	-168.0	427.5	504,870.58	818,286.28	32° 23' 5.156 N	103° 26' 10.193 W	
5,600.0	8.00	111.46	5,567.6	-173.1	440.4	504,865.49	818,299.23	32° 23' 5.104 N	103° 26' 10.042 W	
5,700.0	8.00	111.46	5,666.6	-178.2	453.4	504,860.40	818,312.18	32° 23' 5.053 N	103° 26' 9.892 W	
5,800.0	8.00	111.46	5,765.6	-183.3	466.3	504,855.31	818,325.14	32° 23' 5.001 N	103° 26' 9.741 W	
5,900.0	8.00	111.46	5,864.6	-188.4	479.3	504,850.22	818,338.09	32° 23' 4.950 N	103° 26' 9.591 W	
6,000.0	8.00	111.46	5,963.7	-193.5	492.2	504,845.13	818,351.04	32° 23' 4.898 N	103° 26' 9.440 W	
6,100.0	8.00	111.46	6,062.7	-198.6	505.2	504,840.04	818,364.00	32° 23' 4.847 N	103° 26' 9.289 W	
6,200.0	8.00	111.46	6,161.7	-203.7	518.2	504,834.94	818,376.95	32° 23' 4.795 N	103° 26' 9.139 W	
6,300.0	8.00	111.46	6,260.7	-208.7	531.1	504,829.85	818,389.90	32° 23' 4.744 N	103° 26' 8.988 W	
6,400.0	8.00	111.46	6,359.8	-213.8	544.1	504,824.76	818,402.85	32° 23' 4.693 N	103° 26' 8.838 W	
6,500.0	8.00	111.46	6,458.8	-218.9	557.0	504,819.67	818,415.81	32° 23' 4.641 N	103° 26' 8.687 W	
6,600.0	8.00	111.46	6,557.8	-224.0	570.0	504,814.58	818,428.76	32° 23' 4.590 N	103° 26' 8.537 W	
6,700.0	8.00	111.46	6,656.9	-229.1	582.9	504,809.49	818,441.71	32° 23' 4.538 N	103° 26' 8.386 W	
6,800.0	8.00	111.46	6,755.9	-234.2	595.9	504,804.40	818,454.66	32° 23' 4.487 N	103° 26' 8.236 W	
6,900.0	8.00	111.46	6,854.9	-239.3	608.8	504,799.31	818,467.62	32° 23' 4.435 N	103° 26' 8.085 W	
7,000.0	8.00	111.46	6,953.9	-244.4	621.8	504,794.22	818,480.57	32° 23' 4.384 N	103° 26' 7.935 W	
7,100.0	8.00	111.46	7,053.0	-249.5	634.7	504,789.13	818,493.52	32° 23' 4.332 N	103° 26' 7.784 W	
7,106.4	8.00	111.46	7,059.3	-249.8	635.6	504,788.80	818,494.35	32° 23' 4.329 N	103° 26' 7.774 W	
7,200.0	6.13	111.46	7,152.2	-254.0	646.3	504,784.59	818,505.06	32° 23' 4.287 N	103° 26' 7.650 W	
7,300.0	4.13	111.46	7,251.8	-257.3	654.6	504,781.32	818,513.38	32° 23' 4.254 N	103° 26' 7.553 W	
7,400.0	2.13	111.46	7,351.6	-259.3	659.7	504,779.32	818,518.46	32° 23' 4.233 N	103° 26' 7.494 W	
7,500.0	0.13	111.46	7,451.6	-260.0	661.5	504,778.60	818,520.29	32° 23' 4.226 N	103° 26' 7.473 W	
7,506.4	0.00	0.00	7,458.0	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
7,600.0	0.00	0.00	7,551.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
7,700.0	0.00	0.00	7,651.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
7,800.0	0.00	0.00	7,751.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
7,900.0	0.00	0.00	7,851.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,000.0	0.00	0.00	7,951.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,100.0	0.00	0.00	8,051.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,200.0	0.00	0.00	8,151.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,300.0	0.00	0.00	8,251.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,400.0	0.00	0.00	8,351.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,500.0	0.00	0.00	8,451.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,600.0	0.00	0.00	8,551.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,700.0	0.00	0.00	8,651.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,800.0	0.00	0.00	8,751.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
8,900.0	0.00	0.00	8,851.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,000.0	0.00	0.00	8,951.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,100.0	0.00	0.00	9,051.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,200.0	0.00	0.00	9,151.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,300.0	0.00	0.00	9,251.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,400.0	0.00	0.00	9,351.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,500.0	0.00	0.00	9,451.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,600.0	0.00	0.00	9,551.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,700.0	0.00	0.00	9,651.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,800.0	0.00	0.00	9,751.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,876.9	0.00	0.00	9,828.5	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,900.0	0.00	0.00	9,851.6	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
9,926.9	0.00	0.00	9,878.5	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W	
10,000.0	8.77	359.65	9,951.3	-254.4	661.5	504,784.18	818,520.26	32° 23' 4.281 N	103° 26' 7.473 W	
10,100.0	20.77	359.65	10,047.8	-229.0	661.3	504,809.62	818,520.11	32° 23' 4.533 N	103° 26' 7.472 W	
10,200.0	32.77	359.65	10,137.0	-184.0	661.0	504,854.58	818,519.84	32° 23' 4.978 N	103° 26' 7.471 W	
10,300.0	44.77	359.65	10,214.8	-121.5	660.7	504,917.08	818,519.45	32° 23' 5.596 N	103° 26' 7.469 W	
10,400.0	56.77	359.65	10,277.9	-44.2	660.2	504,994.40	818,518.98	32° 23' 6.361 N	103° 26' 7.467 W	
10,500.0	68.77	359.65	10,323.6	44.5	659.6	505,083.15	818,518.44	32° 23' 7.240 N	103° 26' 7.465 W	



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Crazy Goat #4H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3471.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3471.0usft
Site:	Crazy Goat 8711	North Reference:	Grid
Well:	Crazy Goat #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,600.0	80.77	359.65	10,349.8	140.9	659.1	505,179.46	818,517.86	32° 23' 8.193 N	103° 26' 7.462 W	
10,676.9	90.00	359.65	10,356.0	217.5	658.6	505,256.06	818,517.39	32° 23' 8.951 N	103° 26' 7.460 W	
10,700.0	90.00	359.65	10,356.0	240.5	658.5	505,279.12	818,517.25	32° 23' 9.179 N	103° 26' 7.459 W	
10,800.0	90.00	359.65	10,356.0	340.5	657.8	505,379.12	818,516.64	32° 23' 10.168 N	103° 26' 7.457 W	
10,900.0	90.00	359.65	10,356.0	440.5	657.2	505,479.12	818,516.03	32° 23' 11.158 N	103° 26' 7.454 W	
11,000.0	90.00	359.65	10,356.0	540.5	656.6	505,579.11	818,515.42	32° 23' 12.147 N	103° 26' 7.451 W	
11,100.0	90.00	359.65	10,356.0	640.5	656.0	505,679.11	818,514.81	32° 23' 13.137 N	103° 26' 7.449 W	
11,200.0	90.00	359.65	10,356.0	740.5	655.4	505,779.11	818,514.20	32° 23' 14.126 N	103° 26' 7.446 W	
11,300.0	90.00	359.65	10,356.0	840.5	654.8	505,879.11	818,513.59	32° 23' 15.116 N	103° 26' 7.443 W	
11,400.0	90.00	359.65	10,356.0	940.5	654.2	505,979.11	818,512.98	32° 23' 16.105 N	103° 26' 7.441 W	
11,500.0	90.00	359.65	10,356.0	1,040.5	653.6	506,079.10	818,512.38	32° 23' 17.095 N	103° 26' 7.438 W	
11,600.0	90.00	359.65	10,356.0	1,140.5	653.0	506,179.10	818,511.77	32° 23' 18.084 N	103° 26' 7.435 W	
11,700.0	90.00	359.65	10,356.0	1,240.5	652.4	506,279.10	818,511.16	32° 23' 19.074 N	103° 26' 7.433 W	
11,800.0	90.00	359.65	10,356.0	1,340.5	651.8	506,379.10	818,510.55	32° 23' 20.063 N	103° 26' 7.430 W	
11,900.0	90.00	359.65	10,356.0	1,440.5	651.1	506,479.09	818,509.94	32° 23' 21.053 N	103° 26' 7.427 W	
12,000.0	90.00	359.65	10,356.0	1,540.5	650.5	506,579.09	818,509.33	32° 23' 22.042 N	103° 26' 7.425 W	
12,100.0	90.00	359.65	10,356.0	1,640.5	649.9	506,679.09	818,508.72	32° 23' 23.032 N	103° 26' 7.422 W	
12,200.0	90.00	359.65	10,356.0	1,740.5	649.3	506,779.09	818,508.11	32° 23' 24.021 N	103° 26' 7.419 W	
12,300.0	90.00	359.65	10,356.0	1,840.5	648.7	506,879.09	818,507.50	32° 23' 25.011 N	103° 26' 7.416 W	
12,400.0	90.00	359.65	10,356.0	1,940.5	648.1	506,979.08	818,506.89	32° 23' 26.000 N	103° 26' 7.414 W	
12,500.0	90.00	359.65	10,356.0	2,040.5	647.5	507,079.08	818,506.28	32° 23' 26.990 N	103° 26' 7.411 W	
12,600.0	90.00	359.65	10,356.0	2,140.5	646.9	507,179.08	818,505.67	32° 23' 27.979 N	103° 26' 7.408 W	
12,700.0	90.00	359.65	10,356.0	2,240.5	646.3	507,279.08	818,505.07	32° 23' 28.968 N	103° 26' 7.406 W	
12,800.0	90.00	359.65	10,356.0	2,340.5	645.7	507,379.07	818,504.46	32° 23' 29.958 N	103° 26' 7.403 W	
12,900.0	90.00	359.65	10,356.0	2,440.5	645.1	507,479.07	818,503.85	32° 23' 30.947 N	103° 26' 7.400 W	
13,000.0	90.00	359.65	10,356.0	2,540.5	644.4	507,579.07	818,503.24	32° 23' 31.937 N	103° 26' 7.398 W	
13,100.0	90.00	359.65	10,356.0	2,640.5	643.8	507,679.07	818,502.63	32° 23' 32.926 N	103° 26' 7.395 W	
13,200.0	90.00	359.65	10,356.0	2,740.5	643.2	507,779.07	818,502.02	32° 23' 33.916 N	103° 26' 7.392 W	
13,300.0	90.00	359.65	10,356.0	2,840.5	642.6	507,879.06	818,501.41	32° 23' 34.905 N	103° 26' 7.390 W	
13,400.0	90.00	359.65	10,356.0	2,940.5	642.0	507,979.06	818,500.80	32° 23' 35.895 N	103° 26' 7.387 W	
13,500.0	90.00	359.65	10,356.0	3,040.5	641.4	508,079.06	818,500.19	32° 23' 36.884 N	103° 26' 7.384 W	
13,600.0	90.00	359.65	10,356.0	3,140.5	640.8	508,179.06	818,499.58	32° 23' 37.874 N	103° 26' 7.382 W	
13,700.0	90.00	359.65	10,356.0	3,240.5	640.2	508,279.06	818,498.97	32° 23' 38.863 N	103° 26' 7.379 W	
13,800.0	90.00	359.65	10,356.0	3,340.5	639.6	508,379.05	818,498.36	32° 23' 39.853 N	103° 26' 7.376 W	
13,900.0	90.00	359.65	10,356.0	3,440.5	639.0	508,479.05	818,497.75	32° 23' 40.842 N	103° 26' 7.373 W	
14,000.0	90.00	359.65	10,356.0	3,540.5	638.3	508,579.05	818,497.15	32° 23' 41.832 N	103° 26' 7.371 W	
14,100.0	90.00	359.65	10,356.0	3,640.5	637.7	508,679.05	818,496.54	32° 23' 42.821 N	103° 26' 7.368 W	
14,200.0	90.00	359.65	10,356.0	3,740.5	637.1	508,779.04	818,495.93	32° 23' 43.811 N	103° 26' 7.365 W	
14,300.0	90.00	359.65	10,356.0	3,840.5	636.5	508,879.04	818,495.32	32° 23' 44.800 N	103° 26' 7.363 W	
14,400.0	90.00	359.65	10,356.0	3,940.5	635.9	508,979.04	818,494.71	32° 23' 45.790 N	103° 26' 7.360 W	
14,500.0	90.00	359.65	10,356.0	4,040.4	635.3	509,079.04	818,494.10	32° 23' 46.779 N	103° 26' 7.357 W	
14,600.0	90.00	359.65	10,356.0	4,140.4	634.7	509,179.04	818,493.49	32° 23' 47.769 N	103° 26' 7.355 W	
14,700.0	90.00	359.65	10,356.0	4,240.4	634.1	509,279.03	818,492.88	32° 23' 48.758 N	103° 26' 7.352 W	
14,800.0	90.00	359.65	10,356.0	4,340.4	633.5	509,379.03	818,492.27	32° 23' 49.748 N	103° 26' 7.349 W	
14,900.0	90.00	359.65	10,356.0	4,440.4	632.9	509,479.03	818,491.66	32° 23' 50.737 N	103° 26' 7.347 W	
15,000.0	90.00	359.65	10,356.0	4,540.4	632.3	509,579.03	818,491.05	32° 23' 51.727 N	103° 26' 7.344 W	
15,100.0	90.00	359.65	10,356.0	4,640.4	631.6	509,679.02	818,490.44	32° 23' 52.716 N	103° 26' 7.341 W	
15,200.0	90.00	359.65	10,356.0	4,740.4	631.0	509,779.02	818,489.83	32° 23' 53.706 N	103° 26' 7.339 W	
15,300.0	90.00	359.65	10,356.0	4,840.4	630.4	509,879.02	818,489.23	32° 23' 54.695 N	103° 26' 7.336 W	
15,400.0	90.00	359.65	10,356.0	4,940.4	629.8	509,979.02	818,488.62	32° 23' 55.685 N	103° 26' 7.333 W	
15,500.0	90.00	359.65	10,356.0	5,040.4	629.2	510,079.02	818,488.01	32° 23' 56.674 N	103° 26' 7.330 W	
15,600.0	90.00	359.65	10,356.0	5,140.4	628.6	510,179.01	818,487.40	32° 23' 57.664 N	103° 26' 7.328 W	
15,700.0	90.00	359.65	10,356.0	5,240.4	628.0	510,279.01	818,486.79	32° 23' 58.653 N	103° 26' 7.325 W	
15,800.0	90.00	359.65	10,356.0	5,340.4	627.4	510,379.01	818,486.18	32° 23' 59.643 N	103° 26' 7.322 W	
15,900.0	90.00	359.65	10,356.0	5,440.4	626.8	510,479.01	818,485.57	32° 24' 0.632 N	103° 26' 7.320 W	



Microsoft
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Well:	Crazy Goat #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
16,000.0	90.00	359.65	10,356.0	5,540.4	626.2	510,579.00	818,484.96	32° 24' 1.622 N	103° 26' 7.317 W	
16,100.0	90.00	359.65	10,356.0	5,640.4	625.6	510,679.00	818,484.35	32° 24' 2.611 N	103° 26' 7.314 W	
16,200.0	90.00	359.65	10,356.0	5,740.4	624.9	510,779.00	818,483.74	32° 24' 3.601 N	103° 26' 7.312 W	
16,300.0	90.00	359.65	10,356.0	5,840.4	624.3	510,879.00	818,483.13	32° 24' 4.590 N	103° 26' 7.309 W	
16,400.0	90.00	359.65	10,356.0	5,940.4	623.7	510,979.00	818,482.52	32° 24' 5.579 N	103° 26' 7.306 W	
16,500.0	90.00	359.65	10,356.0	6,040.4	623.1	511,078.99	818,481.92	32° 24' 6.569 N	103° 26' 7.304 W	
16,600.0	90.00	359.65	10,356.0	6,140.4	622.5	511,178.99	818,481.31	32° 24' 7.558 N	103° 26' 7.301 W	
16,700.0	90.00	359.65	10,356.0	6,240.4	621.9	511,278.99	818,480.70	32° 24' 8.548 N	103° 26' 7.298 W	
16,800.0	90.00	359.65	10,356.0	6,340.4	621.3	511,378.99	818,480.09	32° 24' 9.537 N	103° 26' 7.295 W	
16,900.0	90.00	359.65	10,356.0	6,440.4	620.7	511,478.99	818,479.48	32° 24' 10.527 N	103° 26' 7.293 W	
17,000.0	90.00	359.65	10,356.0	6,540.4	620.1	511,578.98	818,478.87	32° 24' 11.516 N	103° 26' 7.290 W	
17,100.0	90.00	359.65	10,356.0	6,640.4	619.5	511,678.98	818,478.26	32° 24' 12.506 N	103° 26' 7.287 W	
17,200.0	90.00	359.65	10,356.0	6,740.4	618.9	511,778.98	818,477.65	32° 24' 13.495 N	103° 26' 7.285 W	
17,300.0	90.00	359.65	10,356.0	6,840.4	618.2	511,878.98	818,477.04	32° 24' 14.485 N	103° 26' 7.282 W	
17,400.0	90.00	359.65	10,356.0	6,940.4	617.6	511,978.97	818,476.43	32° 24' 15.474 N	103° 26' 7.279 W	
17,500.0	90.00	359.65	10,356.0	7,040.4	617.0	512,078.97	818,475.82	32° 24' 16.464 N	103° 26' 7.277 W	
17,600.0	90.00	359.65	10,356.0	7,140.4	616.4	512,178.97	818,475.21	32° 24' 17.453 N	103° 26' 7.274 W	
17,700.0	90.00	359.65	10,356.0	7,240.4	615.8	512,278.97	818,474.60	32° 24' 18.443 N	103° 26' 7.271 W	
17,800.0	90.00	359.65	10,356.0	7,340.4	615.2	512,378.97	818,474.00	32° 24' 19.432 N	103° 26' 7.269 W	
17,900.0	90.00	359.65	10,356.0	7,440.4	614.6	512,478.96	818,473.39	32° 24' 20.422 N	103° 26' 7.266 W	
18,000.0	90.00	359.65	10,356.0	7,540.4	614.0	512,578.96	818,472.78	32° 24' 21.411 N	103° 26' 7.263 W	
18,100.0	90.00	359.65	10,356.0	7,640.4	613.4	512,678.96	818,472.17	32° 24' 22.401 N	103° 26' 7.260 W	
18,200.0	90.00	359.65	10,356.0	7,740.4	612.8	512,778.96	818,471.56	32° 24' 23.390 N	103° 26' 7.258 W	
18,300.0	90.00	359.65	10,356.0	7,840.4	612.2	512,878.95	818,470.95	32° 24' 24.380 N	103° 26' 7.255 W	
18,400.0	90.00	359.65	10,356.0	7,940.4	611.5	512,978.95	818,470.34	32° 24' 25.369 N	103° 26' 7.252 W	
18,500.0	90.00	359.65	10,356.0	8,040.4	610.9	513,078.95	818,469.73	32° 24' 26.359 N	103° 26' 7.250 W	
18,600.0	90.00	359.65	10,356.0	8,140.4	610.3	513,178.95	818,469.12	32° 24' 27.348 N	103° 26' 7.247 W	
18,700.0	90.00	359.65	10,356.0	8,240.4	609.7	513,278.95	818,468.51	32° 24' 28.338 N	103° 26' 7.244 W	
18,800.0	90.00	359.65	10,356.0	8,340.4	609.1	513,378.94	818,467.90	32° 24' 29.327 N	103° 26' 7.242 W	
18,900.0	90.00	359.65	10,356.0	8,440.4	608.5	513,478.94	818,467.29	32° 24' 30.317 N	103° 26' 7.239 W	
19,000.0	90.00	359.65	10,356.0	8,540.4	607.9	513,578.94	818,466.69	32° 24' 31.306 N	103° 26' 7.236 W	
19,100.0	90.00	359.65	10,356.0	8,640.4	607.3	513,678.94	818,466.08	32° 24' 32.296 N	103° 26' 7.234 W	
19,200.0	90.00	359.65	10,356.0	8,740.4	606.7	513,778.93	818,465.47	32° 24' 33.285 N	103° 26' 7.231 W	
19,300.0	90.00	359.65	10,356.0	8,840.4	606.1	513,878.93	818,464.86	32° 24' 34.275 N	103° 26' 7.228 W	
19,400.0	90.00	359.65	10,356.0	8,940.4	605.5	513,978.93	818,464.25	32° 24' 35.264 N	103° 26' 7.225 W	
19,500.0	90.00	359.65	10,356.0	9,040.4	604.8	514,078.93	818,463.64	32° 24' 36.254 N	103° 26' 7.223 W	
19,600.0	90.00	359.65	10,356.0	9,140.4	604.2	514,178.93	818,463.03	32° 24' 37.243 N	103° 26' 7.220 W	
19,700.0	90.00	359.65	10,356.0	9,240.4	603.6	514,278.92	818,462.42	32° 24' 38.232 N	103° 26' 7.217 W	
19,800.0	90.00	359.65	10,356.0	9,340.4	603.0	514,378.92	818,461.81	32° 24' 39.222 N	103° 26' 7.215 W	
19,900.0	90.00	359.65	10,356.0	9,440.3	602.4	514,478.92	818,461.20	32° 24' 40.211 N	103° 26' 7.212 W	
20,000.0	90.00	359.65	10,356.0	9,540.3	601.8	514,578.92	818,460.59	32° 24' 41.201 N	103° 26' 7.209 W	
20,100.0	90.00	359.65	10,356.0	9,640.3	601.2	514,678.92	818,459.98	32° 24' 42.190 N	103° 26' 7.207 W	
20,200.0	90.00	359.65	10,356.0	9,740.3	600.6	514,778.91	818,459.37	32° 24' 43.180 N	103° 26' 7.204 W	
20,300.0	90.00	359.65	10,356.0	9,840.3	600.0	514,878.91	818,458.77	32° 24' 44.169 N	103° 26' 7.201 W	
20,400.0	90.00	359.65	10,356.0	9,940.3	599.4	514,978.91	818,458.16	32° 24' 45.159 N	103° 26' 7.199 W	
20,500.0	90.00	359.65	10,356.0	10,040.3	598.8	515,078.91	818,457.55	32° 24' 46.148 N	103° 26' 7.196 W	
20,600.0	90.00	359.65	10,356.0	10,140.3	598.1	515,178.90	818,456.94	32° 24' 47.138 N	103° 26' 7.193 W	
20,688.6	90.00	359.65	10,356.0	10,228.9	597.6	515,267.50	818,456.40	32° 24' 48.015 N	103° 26' 7.191 W	



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Crazy Goat #4H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3471.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3471.0usft
Site:	Crazy Goat 8711	North Reference:	Grid
Well:	Crazy Goat #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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
Crazy Goat #4H KOP - plan hits target center - Point	0.00	0.00	9,828.5	-260.0	661.5	504,778.60	818,520.30	32° 23' 4.226 N	103° 26' 7.473 W
Crazy Goat #4H BHL - plan hits target center - Point	0.00	0.00	10,356.0	10,228.9	597.6	515,267.50	818,456.40	32° 24' 48.015 N	103° 26' 7.191 W



BTA Oil Producers, LLC
104 S Pecos
Midland, TX 79701

WELL: Crazy Goat 8711 14-11 State Com #4H
TVD: 10356
MD: 20689

DRILLING PLAN

Casing Program

Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/Buoyant	Mud Weight (ppg)
17 1/2	13 3/8	0	1700	0	1700	No	54.5	J-55	STC	1.5	3.7	9.2	5.5	Dry	8.3
12 1/4	9 5/8	0	5777	0	5743	No	40	J-55	LTC	1.5	1.3	2.7	2.3	Dry	10
8 3/4	5.5	0	20689	0	10356	No	17	P110	Buttress	1.5	2.1	1.6	1.6	Dry	9.4

Cementing Program

Csg. Size		Stage Tool Depth	Top MD of Segment	Bottom MD of Segment	Cement Type	Quantity (sk)	Yield (cu. Ft./sk)	Density (lbs. gal)	Volume (cu.ft.)	% Excess	Additives
13 3/8	Lead		0	1365	Class C	1100	1.73	13.5	1903	100%	2% CaCl2
	Tail		1365	1700	Class C	340	1.35	14.8	459	100%	2% CaCl2
9 5/8	Lead		0	5220	Class C	1540	2.46	12.8	3788.4	100%	0.5% CaCl2
	Tail		5220	5777	Class C	200	1.34	14.8	268	25%	1% CaCl2
5 1/2	Lead		4777	9910	25% Poz 75% Class C	500	3.9	10.5	1950	60%	0.4% Fluid Loss
	Tail		9910	20689	Class H	2725	1.25	14.4	3406.25	25%	0.2% LT Retarder

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 255798

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 255798
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/24/2023