

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting
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REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**Section 1 - Operator and Well Information**

Submittal Type: ☐ Test Allowable (C-104RT) ☒ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: BTA OIL PRODUCERS, LLC	OGRID:260297
Property Name and Well Number: CRAZY GOAT 8711 14 11 STATE COM 3H	Property Code: 333897
Mineral Owner: X ☐ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-025-51284
Pool Name: OJO CHISO;BONE SPRING	Pool Code: 96553

Section 2 – Surface Location

UL O	Section 14	Township 22S	Range 34E	Lot O	Ft. from N/S 285 from S	Ft. from E/W 1650 from E	Latitude 32.385237	Longitude -103.437642	County LEA
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Section 3 – Completion Information

Producing Method FLOW FROM WELL	Ready Date 09/26/2024	Perforations MD 10,500 – 20,570	Perforations TVD 10,331 – 10,256
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Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW):	Communitization Agreement ☐ Yes X ☐ No, Order No.
Surface Casing Action ID: 351971	Unit: ☐ Yes X ☐ No, Order No.
Intermediate 1 Casing Action ID: 351971	Compulsory Pooling: ☐ Yes X ☐ No, Order No.
Intermediate 2 Casing Action ID: 351971	Down Hole Commingling: ☐ Yes X ☐ No, Order No.
Production Casing Action ID: 351971	Surface Commingling: ☐ Yes X ☐ No, Order No.
All casing was pressure tested in accordance with NMAC XYes ☐ No	Non-standard Location: ☐ Yes X ☐ No ☐ Common ownership Order No.
Liner 1 Action ID: 351971	Non-standard Proration: ☐ Yes X ☐ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: ☐ Yes X ☐ No, Order No.

Section 5 - Operator Signature and Certification

XI hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
XI hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
XI hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name KATY REDDELL	
Title REGULATORY ANALYST	Date 10/17/2024

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☐ Amended Report
		☐ As Drilled	

WELL LOCATION INFORMATION

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	Ground Level Elevation 3471'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	14	22-S	34-E	-	285 FSL	1650 FEL	32.385237°	103.437545°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	11	22-S	34-E	-	106.9 FNL	1010.6 FEL	32.413181°	103.435398°	LEA

Dedicated Acres 320	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	14	22-S	34-E	-	361.9 FSL	1049.8 FEL	32.385447°	103.435600°	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	11	22-S	34-E	-	141.9 FNL	1010.3 FEL	32.413085°	103.435397°	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3471
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Katy Reddell 09/11/2024

Signature Date

KATY REDDELL

Printed Name

kreddell@btaoil.com

E-mail Address

SURVEYOR CERTIFICATIONS

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 belief.



Gary G. Eidson 09/10/2024

Signature and Seal of Professional Surveyor

Gary G. Eidson 12641

DECEMBER 18, 2020

Certificate Number

Date of Survey

PAGE 1 OF 2

ACK

REL. W.O.: 24130173

JWSC W.O.: 24.13.0306

Note: 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 27 NME
Y= 515149.5 N
X= 777252.9 E
LAT.=32.413056° N
LONG.=103.434918° W

106.9' FNL-1010.6' FEL
SEC. 11

LAST TAKE POINT

NAD 27 NME
Y= 515114.5 N
X= 777253.6 E
LAT.=32.412960° N
LONG.=103.434917° W

141.9' FNL-1010.3' FEL
SEC. 11

BOTTOM HOLE LOCATION

NAD 83 NME
Y= 515210.4 N
X= 818436.1 E
LAT.=32.413181° N
LONG.=103.435398° W

LAST TAKE POINT

NAD 83 NME
Y= 515175.4 N
X= 818436.7 E
LAT.=32.413085° N
LONG.=103.435397° W

FIRST TAKE POINT

NAD 27 NME
Y= 505059.4 N
X= 777275.0 E
LAT.=32.385113° N
LONG.=103.437066° W

361.9' FSL-1049.8' FEL
SEC. 14

SURFACE LOCATION

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

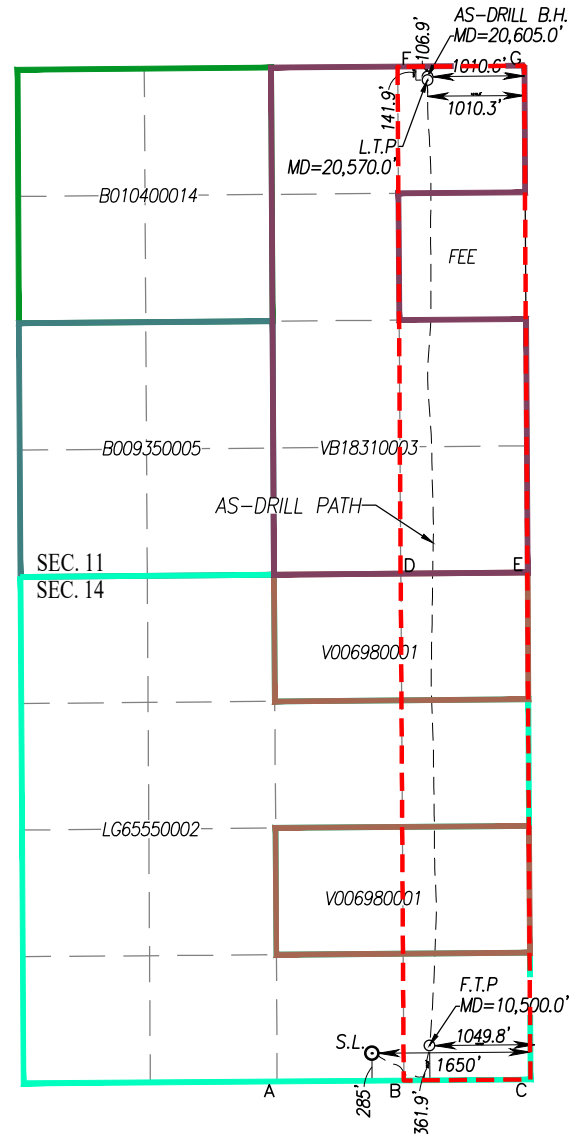
285' FSL-1650' FEL
SEC. 14

FIRST TAKE POINT

NAD 83 NME
Y= 505120.0 N
X= 818458.4 E
LAT.=32.385447° N
LONG.=103.435600° W

SURFACE LOCATION

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



CORNER COORDINATES TABLE

NAD 27 NME

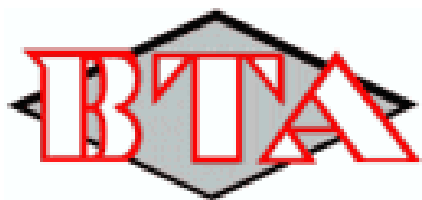
A - Y= 504685.3 N, X= 775688.3 E
B - Y= 504695.5 N, X= 777007.6 E
C - Y= 504705.7 N, X= 778326.8 E
D - Y= 509974.0 N, X= 776975.8 E
E - Y= 509985.0 N, X= 778295.0 E
F - Y= 515253.9 N, X= 776943.6 E
G - Y= 515264.6 N, X= 778262.7 E

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

NOTE: AS-DRILLED BOTTOM HOLE, LAST TAKE
POINT AND FIRST TAKE POINT PLOTTED FROM
DATA FURNISHED BY KLX DIRECTIONAL DRILLING
DATED MAY 11, 2024



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 14, T22-S, R34-E

Crazy Goat 8711 14-11 State Com #4H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

11 May, 2024





KLX Directional Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Crazy Goat 8711 14-11 State Com #4H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3496.0usft (Patterson #288)
Site:	Sec 14, T22-S, R34-E	MD Reference:	WELL @ 3496.0usft (Patterson #288)
Well:	Crazy Goat 8711 14-11 State Com #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	KLXDirectional-AD

Project	Lea County, NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 14, T22-S, R34-E		
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
		Grid Convergence:	0.48 °

Well	Crazy Goat 8711 14-11 State Com #4H		
Well Position	+N/-S	0.0 usft	Northing: 505,038.60 usft
	+E/-W	0.0 usft	Easting: 817,858.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		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 (°)
	HDGM2024	2/9/2024	6.25
			Dip Angle (°)
			59.97
			Field Strength (nT)
			47,504.10000000

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			3.34

Survey Program	Date	5/11/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
144.0	20,605.0	KLX MWD (Wellbore #1)	MWD	OWSG MWD - Standard

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
144.0	0.10	205.20	144.0	-0.1	-0.1	505,038.49	817,858.74	32° 23' 6.852 N	103° 26' 15.162 W
First MWD Survey @ 144.0' MD / 144.0' TVD									
325.0	0.40	328.40	325.0	0.3	-0.5	505,038.88	817,858.35	32° 23' 6.856 N	103° 26' 15.166 W
409.0	0.40	315.30	409.0	0.7	-0.8	505,039.34	817,857.99	32° 23' 6.861 N	103° 26' 15.171 W
499.0	0.30	348.70	499.0	1.2	-1.1	505,039.80	817,857.72	32° 23' 6.865 N	103° 26' 15.174 W
591.0	0.30	352.90	591.0	1.7	-1.2	505,040.27	817,857.64	32° 23' 6.870 N	103° 26' 15.174 W
678.0	0.20	289.30	678.0	1.9	-1.3	505,040.55	817,857.47	32° 23' 6.873 N	103° 26' 15.176 W
772.0	0.30	313.70	772.0	2.2	-1.7	505,040.77	817,857.14	32° 23' 6.875 N	103° 26' 15.180 W
867.0	0.10	320.50	867.0	2.4	-1.9	505,041.01	817,856.91	32° 23' 6.877 N	103° 26' 15.183 W
962.0	0.10	294.90	962.0	2.5	-2.0	505,041.11	817,856.78	32° 23' 6.878 N	103° 26' 15.184 W
1,057.0	0.30	282.30	1,057.0	2.6	-2.3	505,041.19	817,856.46	32° 23' 6.879 N	103° 26' 15.188 W



KLX Directional Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Crazy Goat 8711 14-11 State Com #4H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3496.0usft (Patterson #288)
Site:	Sec 14, T22-S, R34-E	MD Reference:	WELL @ 3496.0usft (Patterson #288)
Well:	Crazy Goat 8711 14-11 State Com #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	KLXDirectional-AD

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,151.0	0.40	314.30	1,151.0	2.9	-2.8	505,041.48	817,855.98	32° 23' 6.882 N	103° 26' 15.194 W
1,246.0	0.40	325.70	1,246.0	3.4	-3.2	505,041.98	817,855.56	32° 23' 6.887 N	103° 26' 15.199 W
1,341.0	0.20	339.40	1,341.0	3.8	-3.5	505,042.41	817,855.31	32° 23' 6.891 N	103° 26' 15.201 W
1,436.0	0.20	225.50	1,436.0	3.8	-3.7	505,042.45	817,855.14	32° 23' 6.892 N	103° 26' 15.203 W
1,530.0	0.20	251.20	1,530.0	3.7	-3.9	505,042.28	817,854.87	32° 23' 6.890 N	103° 26' 15.207 W
1,625.0	0.10	146.30	1,625.0	3.6	-4.0	505,042.16	817,854.76	32° 23' 6.889 N	103° 26' 15.208 W
1,685.0	0.20	150.70	1,685.0	3.4	-4.0	505,042.02	817,854.84	32° 23' 6.888 N	103° 26' 15.207 W
1,841.0	0.30	35.60	1,841.0	3.5	-3.6	505,042.12	817,855.21	32° 23' 6.889 N	103° 26' 15.203 W
1,936.0	0.80	90.50	1,936.0	3.7	-2.8	505,042.31	817,856.01	32° 23' 6.890 N	103° 26' 15.193 W
2,030.0	1.40	97.50	2,030.0	3.6	-1.0	505,042.16	817,857.81	32° 23' 6.889 N	103° 26' 15.172 W
2,125.0	2.10	94.30	2,124.9	3.3	1.9	505,041.88	817,860.70	32° 23' 6.886 N	103° 26' 15.139 W
2,220.0	3.60	100.80	2,219.8	2.6	6.6	505,041.19	817,865.36	32° 23' 6.879 N	103° 26' 15.084 W
2,314.0	5.10	109.60	2,313.5	0.6	13.4	505,039.23	817,872.20	32° 23' 6.859 N	103° 26' 15.005 W
2,409.0	7.40	109.80	2,408.0	-2.9	23.1	505,035.74	817,881.93	32° 23' 6.823 N	103° 26' 14.892 W
2,503.0	8.50	109.40	2,501.0	-7.2	35.4	505,031.39	817,894.18	32° 23' 6.779 N	103° 26' 14.749 W
2,599.0	9.30	114.10	2,595.9	-12.7	49.2	505,025.86	817,907.95	32° 23' 6.723 N	103° 26' 14.589 W
2,608.2	9.20	115.18	2,605.0	-13.4	50.5	505,025.25	817,909.30	32° 23' 6.717 N	103° 26' 14.574 W
280' HL Crossed @ 2608.2' MD / 2605.0' TVD									
2,693.0	8.40	126.30	2,688.8	-19.9	61.6	505,018.69	817,920.42	32° 23' 6.651 N	103° 26' 14.444 W
2,788.0	9.00	128.00	2,782.7	-28.6	73.1	505,010.01	817,931.87	32° 23' 6.565 N	103° 26' 14.312 W
2,882.0	8.50	127.10	2,875.6	-37.3	84.4	505,001.29	817,943.20	32° 23' 6.477 N	103° 26' 14.181 W
2,977.0	7.60	125.50	2,969.7	-45.2	95.1	504,993.41	817,953.92	32° 23' 6.399 N	103° 26' 14.056 W
3,072.0	8.60	119.50	3,063.7	-52.3	106.4	504,986.27	817,965.22	32° 23' 6.327 N	103° 26' 13.925 W
3,166.0	8.60	119.90	3,156.7	-59.3	118.6	504,979.30	817,977.43	32° 23' 6.257 N	103° 26' 13.784 W
3,260.0	7.10	123.70	3,249.8	-66.0	129.6	504,972.57	817,988.35	32° 23' 6.189 N	103° 26' 13.657 W
3,353.0	6.40	126.20	3,342.1	-72.3	138.5	504,966.32	817,997.32	32° 23' 6.127 N	103° 26' 13.553 W
3,448.0	4.80	133.80	3,436.7	-78.2	145.7	504,960.44	818,004.46	32° 23' 6.068 N	103° 26' 13.470 W
3,543.0	4.00	130.80	3,531.4	-83.1	151.0	504,955.53	818,009.84	32° 23' 6.019 N	103° 26' 13.408 W
3,637.0	3.70	129.40	3,625.2	-87.1	155.9	504,951.46	818,014.66	32° 23' 5.978 N	103° 26' 13.352 W
3,731.0	3.40	130.80	3,719.0	-90.9	160.3	504,947.71	818,019.11	32° 23' 5.941 N	103° 26' 13.301 W
3,826.0	3.10	126.10	3,813.8	-94.2	164.5	504,944.36	818,023.32	32° 23' 5.907 N	103° 26' 13.252 W
3,920.0	3.40	117.60	3,907.7	-97.0	169.0	504,941.57	818,027.85	32° 23' 5.879 N	103° 26' 13.199 W
4,015.0	3.80	118.30	4,002.5	-99.8	174.3	504,938.77	818,033.11	32° 23' 5.851 N	103° 26' 13.138 W
4,109.0	4.10	112.60	4,096.3	-102.6	180.2	504,936.01	818,038.96	32° 23' 5.823 N	103° 26' 13.070 W
4,204.0	3.90	102.60	4,191.1	-104.6	186.4	504,934.00	818,045.25	32° 23' 5.803 N	103° 26' 12.997 W
4,298.0	3.80	94.90	4,284.8	-105.6	192.7	504,933.03	818,051.47	32° 23' 5.793 N	103° 26' 12.925 W
4,393.0	4.40	98.30	4,379.6	-106.4	199.4	504,932.24	818,058.21	32° 23' 5.785 N	103° 26' 12.846 W
4,487.0	6.40	101.50	4,473.2	-107.9	208.1	504,930.67	818,066.92	32° 23' 5.768 N	103° 26' 12.745 W
4,581.0	7.30	102.40	4,566.5	-110.3	219.1	504,928.35	818,077.88	32° 23' 5.744 N	103° 26' 12.617 W
4,677.0	8.00	97.70	4,661.6	-112.5	231.7	504,926.14	818,090.46	32° 23' 5.722 N	103° 26' 12.471 W
4,772.0	7.90	104.30	4,755.7	-115.0	244.5	504,923.64	818,103.34	32° 23' 5.696 N	103° 26' 12.321 W
4,867.0	7.30	117.50	4,849.9	-119.4	256.2	504,919.24	818,115.02	32° 23' 5.651 N	103° 26' 12.185 W
4,961.0	8.00	119.00	4,943.1	-125.3	267.2	504,913.31	818,126.04	32° 23' 5.592 N	103° 26' 12.057 W
5,056.0	8.80	121.80	5,037.1	-132.3	279.2	504,906.28	818,138.00	32° 23' 5.521 N	103° 26' 11.918 W
5,150.0	9.00	127.20	5,129.9	-140.6	291.2	504,898.04	818,149.96	32° 23' 5.439 N	103° 26' 11.780 W
5,245.0	8.10	140.20	5,223.9	-150.2	301.4	504,888.41	818,160.17	32° 23' 5.342 N	103° 26' 11.662 W
5,340.0	8.40	143.10	5,317.9	-160.9	309.8	504,877.72	818,168.62	32° 23' 5.236 N	103° 26' 11.564 W
5,434.0	7.90	148.30	5,410.9	-171.9	317.3	504,866.73	818,176.14	32° 23' 5.127 N	103° 26' 11.477 W
5,529.0	9.00	149.70	5,504.9	-183.8	324.5	504,854.76	818,183.31	32° 23' 5.008 N	103° 26' 11.395 W
5,610.2	10.45	148.39	5,584.9	-195.6	331.6	504,843.00	818,190.38	32° 23' 4.891 N	103° 26' 11.314 W
Sec. Line Crossed @ 5610.2' MD / 5584.9' TVD									
5,624.0	10.70	148.20	5,598.5	-197.8	332.9	504,840.85	818,191.71	32° 23' 4.869 N	103° 26' 11.298 W
5,718.0	12.50	146.70	5,690.6	-213.7	343.1	504,824.93	818,201.90	32° 23' 4.711 N	103° 26' 11.181 W
5,864.0	9.50	118.60	5,834.0	-232.7	362.4	504,805.94	818,221.17	32° 23' 4.521 N	103° 26' 10.958 W
5,958.0	9.20	100.70	5,926.8	-237.8	376.6	504,800.83	818,235.36	32° 23' 4.470 N	103° 26' 10.793 W



KLX Directional Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Crazy Goat 8711 14-11 State Com #4H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3496.0usft (Patterson #288)
Site:	Sec 14, T22-S, R34-E	MD Reference:	WELL @ 3496.0usft (Patterson #288)
Well:	Crazy Goat 8711 14-11 State Com #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	KLXDirectional-AD

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,053.0	5.30	95.10	6,021.0	-239.6	388.4	504,799.03	818,247.20	32° 23' 4.451 N	103° 26' 10.655 W
6,147.0	2.30	79.50	6,114.8	-239.6	394.6	504,798.98	818,253.38	32° 23' 4.450 N	103° 26' 10.583 W
6,242.0	2.30	81.40	6,209.7	-239.0	398.3	504,799.62	818,257.14	32° 23' 4.456 N	103° 26' 10.539 W
6,336.0	2.50	74.90	6,303.6	-238.2	402.2	504,800.43	818,260.99	32° 23' 4.464 N	103° 26' 10.495 W
6,430.0	2.70	76.70	6,397.5	-237.1	406.3	504,801.48	818,265.12	32° 23' 4.474 N	103° 26' 10.446 W
6,525.0	2.90	79.90	6,492.4	-236.2	410.9	504,802.41	818,269.66	32° 23' 4.482 N	103° 26' 10.393 W
6,620.0	2.70	81.90	6,587.3	-235.5	415.4	504,803.15	818,274.24	32° 23' 4.489 N	103° 26' 10.340 W
6,714.0	2.90	83.60	6,681.2	-234.9	420.0	504,803.73	818,278.80	32° 23' 4.495 N	103° 26' 10.286 W
6,809.0	3.00	85.40	6,776.0	-234.4	424.9	504,804.19	818,283.67	32° 23' 4.499 N	103° 26' 10.230 W
6,902.0	2.90	85.10	6,868.9	-234.0	429.6	504,804.59	818,288.44	32° 23' 4.502 N	103° 26' 10.174 W
6,997.0	3.00	90.00	6,963.8	-233.8	434.5	504,804.80	818,293.32	32° 23' 4.504 N	103° 26' 10.117 W
7,092.0	3.00	92.40	7,058.7	-233.9	439.5	504,804.69	818,298.29	32° 23' 4.503 N	103° 26' 10.059 W
7,186.0	2.70	94.90	7,152.5	-234.2	444.2	504,804.40	818,302.95	32° 23' 4.499 N	103° 26' 10.005 W
7,281.0	2.10	110.40	7,247.5	-235.0	448.0	504,803.60	818,306.81	32° 23' 4.491 N	103° 26' 9.960 W
7,376.0	2.10	109.30	7,342.4	-236.2	451.3	504,802.42	818,310.08	32° 23' 4.479 N	103° 26' 9.922 W
7,470.0	1.90	109.70	7,436.3	-237.3	454.4	504,801.32	818,313.18	32° 23' 4.468 N	103° 26' 9.886 W
7,564.0	3.70	113.60	7,530.2	-239.0	458.6	504,799.58	818,317.42	32° 23' 4.451 N	103° 26' 9.837 W
7,659.0	3.90	115.10	7,625.0	-241.6	464.4	504,796.99	818,323.16	32° 23' 4.424 N	103° 26' 9.770 W
7,753.0	3.50	114.30	7,718.8	-244.2	469.9	504,794.45	818,328.67	32° 23' 4.399 N	103° 26' 9.706 W
7,847.0	4.20	96.70	7,812.6	-245.7	475.9	504,792.87	818,334.70	32° 23' 4.383 N	103° 26' 9.636 W
7,941.0	3.70	97.20	7,906.4	-246.5	482.3	504,792.09	818,341.13	32° 23' 4.374 N	103° 26' 9.561 W
8,035.0	3.30	99.50	8,000.2	-247.3	488.0	504,791.26	818,346.81	32° 23' 4.366 N	103° 26' 9.495 W
8,130.0	4.70	86.30	8,095.0	-247.5	494.6	504,791.06	818,353.39	32° 23' 4.363 N	103° 26' 9.418 W
8,224.0	4.50	85.30	8,188.7	-247.0	502.1	504,791.61	818,360.91	32° 23' 4.368 N	103° 26' 9.330 W
8,318.0	4.20	83.30	8,282.4	-246.3	509.2	504,792.31	818,368.00	32° 23' 4.374 N	103° 26' 9.247 W
8,413.0	3.40	83.10	8,377.2	-245.5	515.5	504,793.06	818,374.25	32° 23' 4.381 N	103° 26' 9.174 W
8,507.0	3.00	84.40	8,471.1	-245.0	520.7	504,793.63	818,379.47	32° 23' 4.386 N	103° 26' 9.114 W
8,602.0	2.40	81.00	8,565.9	-244.4	525.1	504,794.19	818,383.91	32° 23' 4.392 N	103° 26' 9.062 W
8,697.0	3.10	102.00	8,660.8	-244.6	529.6	504,793.96	818,388.38	32° 23' 4.389 N	103° 26' 9.010 W
8,791.0	2.30	117.80	8,754.7	-246.0	533.7	504,792.56	818,392.54	32° 23' 4.375 N	103° 26' 8.961 W
8,885.0	4.00	134.40	8,848.6	-249.2	537.8	504,789.38	818,396.55	32° 23' 4.343 N	103° 26' 8.915 W
8,979.0	3.30	146.40	8,942.4	-253.8	541.6	504,784.83	818,400.39	32° 23' 4.298 N	103° 26' 8.870 W
9,074.0	2.00	176.80	9,037.3	-257.7	543.2	504,780.90	818,402.00	32° 23' 4.259 N	103° 26' 8.852 W
9,168.0	1.80	170.10	9,131.3	-260.8	543.5	504,777.81	818,402.34	32° 23' 4.228 N	103° 26' 8.848 W
9,263.0	2.50	165.60	9,226.2	-264.3	544.3	504,774.33	818,403.11	32° 23' 4.194 N	103° 26' 8.840 W
9,358.0	1.30	287.20	9,321.2	-266.0	543.8	504,772.64	818,402.60	32° 23' 4.177 N	103° 26' 8.846 W
9,453.0	1.40	188.50	9,416.1	-266.8	542.6	504,771.81	818,401.40	32° 23' 4.169 N	103° 26' 8.860 W
9,547.0	1.80	220.50	9,510.1	-269.0	541.5	504,769.56	818,400.27	32° 23' 4.147 N	103° 26' 8.873 W
9,672.0	1.20	236.90	9,635.1	-271.3	539.1	504,767.35	818,397.90	32° 23' 4.125 N	103° 26' 8.901 W
9,766.0	0.70	351.40	9,729.1	-271.2	538.2	504,767.38	818,396.99	32° 23' 4.125 N	103° 26' 8.912 W
9,861.0	8.90	14.60	9,823.6	-263.5	540.0	504,775.08	818,398.76	32° 23' 4.201 N	103° 26' 8.891 W
9,955.0	14.70	11.50	9,915.6	-244.8	544.2	504,793.82	818,402.97	32° 23' 4.386 N	103° 26' 8.840 W
10,049.0	21.80	7.00	10,004.8	-215.7	548.7	504,822.87	818,407.48	32° 23' 4.673 N	103° 26' 8.784 W
10,142.0	31.20	7.90	10,088.0	-174.6	554.1	504,863.96	818,412.91	32° 23' 5.080 N	103° 26' 8.717 W
10,236.0	39.30	9.70	10,164.7	-121.1	562.5	504,917.51	818,421.28	32° 23' 5.609 N	103° 26' 8.614 W
10,331.0	46.50	12.30	10,234.2	-57.7	574.9	504,980.92	818,433.71	32° 23' 6.235 N	103° 26' 8.463 W
10,426.0	57.80	11.00	10,292.4	15.7	590.0	505,054.28	818,448.77	32° 23' 6.960 N	103° 26' 8.280 W
10,482.0	67.30	7.20	10,318.2	64.7	597.7	505,103.29	818,456.55	32° 23' 7.444 N	103° 26' 8.184 W
10,493.0	69.20	6.30	10,322.3	74.8	598.9	505,113.44	818,457.75	32° 23' 7.544 N	103° 26' 8.169 W
10,524.0	74.50	6.00	10,331.9	104.1	602.1	505,142.71	818,460.90	32° 23' 7.834 N	103° 26' 8.130 W
10,603.0	81.56	4.73	10,348.3	181.0	609.3	505,219.61	818,468.11	32° 23' 8.594 N	103° 26' 8.038 W
280' HL Crossed @ 10603.0' MD / 10348.3' TVD									
10,618.0	82.90	4.50	10,350.3	195.8	610.5	505,234.42	818,469.31	32° 23' 8.740 N	103° 26' 8.023 W
10,713.0	86.90	4.00	10,358.8	290.2	617.5	505,328.77	818,476.32	32° 23' 9.673 N	103° 26' 7.932 W
10,807.0	88.70	3.50	10,362.4	383.9	623.7	505,422.49	818,482.46	32° 23' 10.600 N	103° 26' 7.851 W



KLX Directional Survey Report - Geographic



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Site:	Sec 14, T22-S, R34-E	MD Reference:	WELL @ 3496.0usft (Patterson #288)
Well:	Crazy Goat 8711 14-11 State Com #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	KLXDirectional-AD

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,901.0	90.80	3.00	10,362.8	477.7	629.0	505,516.33	818,487.79	32° 23' 11.528 N	103° 26' 7.780 W
10,996.0	92.70	3.10	10,359.9	572.5	634.0	505,611.15	818,492.84	32° 23' 12.466 N	103° 26' 7.712 W
11,124.0	93.90	3.00	10,352.5	700.2	640.8	505,738.75	818,499.64	32° 23' 13.728 N	103° 26' 7.620 W
11,219.0	93.70	2.80	10,346.2	794.8	645.6	505,833.42	818,504.44	32° 23' 14.664 N	103° 26' 7.555 W
11,314.0	93.30	2.60	10,340.4	889.5	650.1	505,928.14	818,508.91	32° 23' 15.601 N	103° 26' 7.493 W
11,409.0	91.70	1.90	10,336.3	984.4	653.8	506,022.97	818,512.63	32° 23' 16.539 N	103° 26' 7.440 W
11,502.0	91.60	2.00	10,333.6	1,077.3	657.0	506,115.88	818,515.79	32° 23' 17.458 N	103° 26' 7.394 W
11,596.0	91.60	2.10	10,331.0	1,171.2	660.4	506,209.78	818,519.16	32° 23' 18.387 N	103° 26' 7.346 W
11,690.0	91.90	2.30	10,328.1	1,265.1	664.0	506,303.67	818,522.76	32° 23' 19.316 N	103° 26' 7.295 W
11,784.0	91.50	2.00	10,325.3	1,359.0	667.5	506,397.56	818,526.29	32° 23' 20.245 N	103° 26' 7.245 W
11,878.0	90.70	0.80	10,323.5	1,452.9	669.8	506,491.52	818,528.58	32° 23' 21.174 N	103° 26' 7.209 W
11,973.0	90.20	359.40	10,322.8	1,547.9	670.0	506,586.51	818,528.75	32° 23' 22.114 N	103° 26' 7.197 W
12,067.0	90.50	358.10	10,322.2	1,641.9	667.9	506,680.48	818,526.70	32° 23' 23.044 N	103° 26' 7.212 W
12,162.0	90.10	357.00	10,321.7	1,736.8	663.8	506,775.39	818,522.64	32° 23' 23.983 N	103° 26' 7.250 W
12,256.0	90.10	357.10	10,321.6	1,830.7	659.0	506,869.27	818,517.80	32° 23' 24.913 N	103° 26' 7.297 W
12,350.0	90.00	357.80	10,321.5	1,924.6	654.8	506,963.18	818,513.62	32° 23' 25.842 N	103° 26' 7.337 W
12,444.0	90.10	358.40	10,321.4	2,018.5	651.7	507,057.12	818,510.50	32° 23' 26.772 N	103° 26' 7.364 W
12,538.0	90.00	359.00	10,321.3	2,112.5	649.6	507,151.10	818,508.37	32° 23' 27.702 N	103° 26' 7.380 W
12,633.0	90.50	0.00	10,320.9	2,207.5	648.7	507,246.09	818,507.54	32° 23' 28.642 N	103° 26' 7.380 W
12,727.0	89.90	0.00	10,320.6	2,301.5	648.7	507,340.09	818,507.54	32° 23' 29.572 N	103° 26' 7.371 W
12,822.0	90.40	359.90	10,320.3	2,396.5	648.7	507,435.09	818,507.46	32° 23' 30.512 N	103° 26' 7.363 W
12,916.0	90.00	359.40	10,320.0	2,490.5	648.1	507,529.09	818,506.88	32° 23' 31.442 N	103° 26' 7.360 W
13,011.0	89.80	359.30	10,320.2	2,585.5	647.0	507,624.08	818,505.80	32° 23' 32.382 N	103° 26' 7.363 W
13,105.0	90.90	359.00	10,319.6	2,679.5	645.6	507,718.07	818,504.41	32° 23' 33.312 N	103° 26' 7.370 W
13,200.0	91.10	359.10	10,317.9	2,774.4	644.0	507,813.04	818,502.84	32° 23' 34.252 N	103° 26' 7.379 W
13,295.0	91.50	359.20	10,315.8	2,869.4	642.6	507,908.01	818,501.43	32° 23' 35.192 N	103° 26' 7.387 W
13,388.0	92.20	359.60	10,312.8	2,962.3	641.7	508,000.95	818,500.45	32° 23' 36.112 N	103° 26' 7.389 W
13,482.0	91.60	359.00	10,309.6	3,056.3	640.5	508,094.89	818,499.31	32° 23' 37.041 N	103° 26' 7.393 W
13,577.0	91.90	358.80	10,306.7	3,151.2	638.7	508,189.83	818,497.48	32° 23' 37.981 N	103° 26' 7.405 W
13,671.0	91.70	358.30	10,303.8	3,245.2	636.3	508,283.75	818,495.11	32° 23' 38.910 N	103° 26' 7.423 W
13,764.0	91.60	357.70	10,301.1	3,338.1	633.1	508,376.66	818,491.86	32° 23' 39.830 N	103° 26' 7.452 W
13,859.0	91.50	357.70	10,298.5	3,432.9	629.3	508,471.55	818,488.05	32° 23' 40.769 N	103° 26' 7.487 W
13,953.0	91.80	358.20	10,295.8	3,526.8	625.9	508,565.45	818,484.69	32° 23' 41.698 N	103° 26' 7.517 W
14,047.0	90.30	358.00	10,294.1	3,620.8	622.8	508,659.38	818,481.57	32° 23' 42.628 N	103° 26' 7.545 W
14,141.0	90.00	358.60	10,293.9	3,714.7	620.0	508,753.33	818,478.78	32° 23' 43.558 N	103° 26' 7.568 W
14,236.0	90.70	359.30	10,293.3	3,809.7	618.2	508,848.32	818,477.04	32° 23' 44.498 N	103° 26' 7.579 W
14,331.0	92.00	0.10	10,291.1	3,904.7	617.7	508,943.28	818,476.55	32° 23' 45.437 N	103° 26' 7.575 W
14,425.0	92.90	0.30	10,287.0	3,998.6	618.1	509,037.20	818,476.87	32° 23' 46.367 N	103° 26' 7.562 W
14,519.0	92.70	0.30	10,282.4	4,092.5	618.6	509,131.08	818,477.36	32° 23' 47.296 N	103° 26' 7.547 W
14,614.0	92.90	0.90	10,277.8	4,187.4	619.6	509,225.96	818,478.36	32° 23' 48.234 N	103° 26' 7.527 W
14,708.0	92.80	1.50	10,273.1	4,281.2	621.5	509,319.83	818,480.32	32° 23' 49.163 N	103° 26' 7.494 W
14,802.0	92.10	1.50	10,269.1	4,375.1	624.0	509,413.71	818,482.78	32° 23' 50.092 N	103° 26' 7.457 W
14,897.0	91.00	0.80	10,266.5	4,470.1	625.9	509,508.65	818,484.69	32° 23' 51.031 N	103° 26' 7.425 W
14,991.0	90.80	0.50	10,265.1	4,564.0	627.0	509,602.63	818,485.76	32° 23' 51.961 N	103° 26' 7.403 W
15,086.0	90.80	0.40	10,263.7	4,659.0	627.7	509,697.62	818,486.50	32° 23' 52.901 N	103° 26' 7.385 W
15,180.0	90.90	0.60	10,262.3	4,753.0	628.5	509,791.61	818,487.32	32° 23' 53.830 N	103° 26' 7.367 W
15,274.0	90.90	0.60	10,260.9	4,847.0	629.5	509,885.59	818,488.31	32° 23' 54.760 N	103° 26' 7.346 W
15,368.0	90.50	0.70	10,259.7	4,941.0	630.6	509,979.58	818,489.37	32° 23' 55.690 N	103° 26' 7.324 W
15,463.0	90.90	1.20	10,258.6	5,036.0	632.1	510,074.56	818,490.95	32° 23' 56.630 N	103° 26' 7.297 W
15,557.0	90.90	1.40	10,257.1	5,129.9	634.3	510,168.52	818,493.08	32° 23' 57.559 N	103° 26' 7.263 W
15,651.0	90.60	0.90	10,255.9	5,223.9	636.2	510,262.49	818,494.97	32° 23' 58.489 N	103° 26' 7.231 W
15,745.0	91.10	0.60	10,254.5	5,317.9	637.4	510,356.48	818,496.20	32° 23' 59.419 N	103° 26' 7.208 W
15,840.0	91.40	0.70	10,252.4	5,412.8	638.5	510,451.45	818,497.27	32° 24' 0.358 N	103° 26' 7.186 W
15,934.0	91.10	359.90	10,250.3	5,506.8	639.0	510,545.42	818,497.77	32° 24' 1.288 N	103° 26' 7.171 W
16,028.0	91.10	359.00	10,248.5	5,600.8	638.1	510,639.40	818,496.86	32° 24' 2.218 N	103° 26' 7.172 W



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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	KLXDirectional-AD

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,122.0	90.60	358.70	10,247.1	5,694.8	636.2	510,733.37	818,494.98	32° 24' 3.148 N	103° 26' 7.185 W
16,218.0	90.40	358.20	10,246.3	5,790.7	633.6	510,829.33	818,492.38	32° 24' 4.098 N	103° 26' 7.206 W
16,312.0	90.80	358.30	10,245.3	5,884.7	630.7	510,923.28	818,489.51	32° 24' 5.028 N	103° 26' 7.230 W
16,406.0	90.90	358.40	10,243.9	5,978.6	628.0	511,017.23	818,486.80	32° 24' 5.957 N	103° 26' 7.253 W
16,500.0	90.90	358.70	10,242.4	6,072.6	625.6	511,111.19	818,484.42	32° 24' 6.887 N	103° 26' 7.271 W
16,594.0	90.80	358.90	10,241.0	6,166.6	623.7	511,205.16	818,482.46	32° 24' 7.817 N	103° 26' 7.285 W
16,688.0	90.70	358.90	10,239.8	6,260.5	621.9	511,299.13	818,480.65	32° 24' 8.747 N	103° 26' 7.297 W
16,782.0	91.10	358.50	10,238.3	6,354.5	619.7	511,393.10	818,478.52	32° 24' 9.677 N	103° 26' 7.312 W
16,877.0	91.00	357.70	10,236.6	6,449.4	616.6	511,488.03	818,475.37	32° 24' 10.617 N	103° 26' 7.340 W
16,971.0	91.30	355.80	10,234.7	6,543.3	611.2	511,581.85	818,470.04	32° 24' 11.546 N	103° 26' 7.393 W
17,064.0	90.60	354.90	10,233.2	6,635.9	603.7	511,674.53	818,462.50	32° 24' 12.463 N	103° 26' 7.472 W
17,158.0	90.20	355.50	10,232.5	6,729.6	595.8	511,768.20	818,454.64	32° 24' 13.391 N	103° 26' 7.554 W
17,253.0	89.30	356.10	10,232.9	6,824.3	588.9	511,862.94	818,447.68	32° 24' 14.329 N	103° 26' 7.626 W
17,347.0	88.70	357.70	10,234.6	6,918.2	583.8	511,956.79	818,442.60	32° 24' 15.258 N	103° 26' 7.676 W
17,442.0	89.50	359.40	10,236.1	7,013.1	581.4	512,051.74	818,440.20	32° 24' 16.197 N	103° 26' 7.695 W
17,536.0	88.50	1.00	10,237.7	7,107.1	581.7	512,145.72	818,440.52	32° 24' 17.127 N	103° 26' 7.682 W
17,630.0	89.30	3.00	10,239.5	7,201.0	585.0	512,239.64	818,443.80	32° 24' 18.056 N	103° 26' 7.634 W
17,723.0	89.30	3.60	10,240.6	7,293.9	590.4	512,332.48	818,449.16	32° 24' 18.974 N	103° 26' 7.563 W
17,818.0	89.50	4.60	10,241.6	7,388.6	597.2	512,427.23	818,455.95	32° 24' 19.911 N	103° 26' 7.474 W
17,912.0	89.50	4.20	10,242.5	7,482.4	604.4	512,520.95	818,463.16	32° 24' 20.838 N	103° 26' 7.381 W
18,006.0	89.20	2.90	10,243.5	7,576.2	610.2	512,614.76	818,468.98	32° 24' 21.766 N	103° 26' 7.304 W
18,100.0	89.60	1.50	10,244.5	7,670.1	613.8	512,708.69	818,472.59	32° 24' 22.695 N	103° 26' 7.253 W
18,195.0	88.70	359.80	10,245.9	7,765.1	614.9	512,803.67	818,473.67	32° 24' 23.635 N	103° 26' 7.231 W
18,289.0	88.80	359.90	10,248.0	7,859.0	614.6	512,897.64	818,473.42	32° 24' 24.564 N	103° 26' 7.224 W
18,383.0	88.60	359.60	10,250.1	7,953.0	614.2	512,991.62	818,473.01	32° 24' 25.494 N	103° 26' 7.220 W
18,477.0	88.60	0.00	10,252.4	8,047.0	613.9	513,085.59	818,472.68	32° 24' 26.424 N	103° 26' 7.215 W
18,571.0	87.70	1.10	10,255.4	8,140.9	614.8	513,179.53	818,473.58	32° 24' 27.354 N	103° 26' 7.195 W
18,665.0	88.40	358.70	10,258.6	8,234.9	614.6	513,273.47	818,473.42	32° 24' 28.283 N	103° 26' 7.188 W
18,759.0	88.70	358.50	10,261.0	8,328.8	612.3	513,367.41	818,471.12	32° 24' 29.213 N	103° 26' 7.205 W
18,852.0	87.30	358.50	10,264.3	8,421.7	609.9	513,460.32	818,468.69	32° 24' 30.132 N	103° 26' 7.224 W
18,946.0	89.00	359.70	10,267.3	8,515.7	608.4	513,554.26	818,467.21	32° 24' 31.062 N	103° 26' 7.233 W
19,040.0	90.20	1.40	10,267.9	8,609.6	609.3	513,648.24	818,468.12	32° 24' 31.992 N	103° 26' 7.213 W
19,135.0	90.60	0.90	10,267.3	8,704.6	611.2	513,743.22	818,470.02	32° 24' 32.931 N	103° 26' 7.181 W
19,229.0	90.50	0.40	10,266.4	8,798.6	612.3	513,837.21	818,471.09	32° 24' 33.861 N	103° 26' 7.160 W
19,323.0	89.10	0.40	10,266.7	8,892.6	612.9	513,931.21	818,471.75	32° 24' 34.791 N	103° 26' 7.143 W
19,417.0	90.90	0.10	10,266.7	8,986.6	613.4	514,025.20	818,472.16	32° 24' 35.721 N	103° 26' 7.129 W
19,510.0	90.50	359.40	10,265.6	9,079.6	613.0	514,118.19	818,471.75	32° 24' 36.641 N	103° 26' 7.124 W
19,605.0	90.70	359.10	10,264.6	9,174.6	611.7	514,213.18	818,470.51	32° 24' 37.581 N	103° 26' 7.130 W
19,700.0	90.60	358.30	10,263.5	9,269.5	609.6	514,308.15	818,468.35	32° 24' 38.521 N	103° 26' 7.145 W
19,795.0	91.00	357.70	10,262.2	9,364.5	606.2	514,403.08	818,465.04	32° 24' 39.461 N	103° 26' 7.175 W
19,889.0	90.00	356.60	10,261.4	9,458.4	601.6	514,496.96	818,460.36	32° 24' 40.390 N	103° 26' 7.220 W
19,984.0	89.70	355.60	10,261.6	9,553.1	595.1	514,591.74	818,453.90	32° 24' 41.328 N	103° 26' 7.286 W
20,078.0	89.50	356.10	10,262.3	9,646.9	588.3	514,685.49	818,447.10	32° 24' 42.257 N	103° 26' 7.356 W
20,173.0	89.50	357.60	10,263.1	9,741.7	583.1	514,780.34	818,441.88	32° 24' 43.195 N	103° 26' 7.408 W
20,267.0	89.50	358.70	10,263.9	9,835.7	580.0	514,874.28	818,438.85	32° 24' 44.125 N	103° 26' 7.434 W
20,361.0	93.10	0.80	10,261.8	9,929.6	579.6	514,968.24	818,438.43	32° 24' 45.055 N	103° 26' 7.430 W
20,456.0	91.60	359.30	10,257.9	10,024.6	579.7	515,063.15	818,438.52	32° 24' 45.994 N	103° 26' 7.419 W
20,556.0	89.70	359.00	10,256.7	10,124.5	578.2	515,163.13	818,437.03	32° 24' 46.983 N	103° 26' 7.427 W
20,605.0	89.70	359.00	10,257.0	10,173.5	577.4	515,212.12	818,436.18	32° 24' 47.468 N	103° 26' 7.432 W

TD @ 20605.0' MD / 10257.0' TVD



KLX Directional
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Crazy Goat 8711 14-11 State Com #4H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3496.0usft (Patterson #288)
Site:	Sec 14, T22-S, R34-E	MD Reference:	WELL @ 3496.0usft (Patterson #288)
Well:	Crazy Goat 8711 14-11 State Com #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	KLXDirectional-AD

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
144.0	144.0	-0.1	-0.1	First MWD Survey @ 144.0' MD / 144.0' TVD
2,608.2	2,605.0	-13.4	50.5	280' HL Crossed @ 2608.2' MD / 2605.0' TVD
5,610.2	5,584.9	-195.6	331.6	Sec. Line Crossed @ 5610.2' MD / 5584.9' TVD
10,603.0	10,348.3	181.0	609.3	280' HL Crossed @ 10603.0' MD / 10348.3' TVD
20,605.0	10,257.0	10,173.5	577.4	TD @ 20605.0' MD / 10257.0' TVD

Checked By: _____

Approved By: _____

Date: _____

C-105	State of New Mexico	Revised July 9, 2024
Submit Electronically Via OCD Permitting	Energy, Minerals & Natural Resources Department	
OIL CONSERVATION DIVISION		

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: ☒ New Well ☐ Workover ☐ Deepening ☐ Plugback ☐ Different Reservoir ☐ C-144 Closure Attachment ☐ Other	
Operator Name: BTA OIL PRODUCERS, LLC	OGRID: 260297
Property Name and Well Number: CRAZY GOAT 8711 14 11 STATE COM 3H	Property Code: 333897
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-025-51284
Pool Name: OJO CHISO; BONE SPRING	Pool Code: 93553

Section 2 – Well Location

	UI or lot no.	Section	Township	Range	Lot Id	Feet from	N/S Line	Feet from	E/W Line	County
SHL:	O	14	22S	34E		285	S	1650	E	LEA
BHL	B	11	22S	34E		106.9	N	1010.6	E	LEA

Section 3 – Completion Information

Date T.D. Reached 5/11/2024	Total Measured Depth of Well 20605	Acid Volume (bbls)	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 5/13/2024	Plug-Back Measured Depth 20587	Completion Fluid Used (bbls) 597216	Were Logs Ran (Y/N) Y
Completion Date 09/26/2024	Perforations (MD and TVD) 10500 - 20502	Completion Proppant Used (lbs) 25.18MM	List Type of Logs Ran if applicable: MWD

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 351971	UIC Permit/Order (UIC wells only) ☐ Yes ☐ No, Order No.
Intermediate 1 Casing Action ID: 351971	NOI Recomplete Action ID (if applicable):
Intermediate 2 Casing Action ID: 351971	NOI Plugback Action ID (if applicable):
Production Casing Action ID: 351971	Cement Squeeze Action ID (if applicable):
Tubing Action ID:	All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No
Liner 1 Action ID: 351971	Casing was installed prior to Action ID system (Y/N): Y

Section 5 – Test Data

Date First Production 09/26/2024	Production Method FLOWING	Well Status PRODUCING	Gas – Oil Ratio 1159
Date of Test 09/29/2024	Choke Size 64/64	Flowing Tubing Pressure 400	Casing Pressure 150
24 hr Oil (bbls) 1210	24 hr Gas (MCF) 1403	24 hr Water (bbls) 2666	Oil Gravity - API 50
Disposition of Gas: SOLD			

Section 6 – Pits

☐ A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.
☒ A Closed Loop System was used.
☐ If an on-site burial was used at the well, report the exact location of the on-site burial: LAT: _____ LONG: _____

Section 7 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well’s completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well’s completion.	
☒ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name KATY REDDELL	
Title REGULATORY ANALYST	Date 10/17/2024

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy				T. San Jose			
T. Salt	2008	2008		T. Nacimiento			
B. Salt	3067	3067		T. Ojo Alamo			
T. Yates				T. Kirtland			
T. 7 Rivers				T. Fruitland			
T. Queen				T. Pictured Cliffs			
T. Grayburg				T. Lewis Shale			
T. San Andres				T. Chacra			
T. Glorieta				T. Cliff House			
T. Yeso				T. Menefee			
T. Paddock				T. Point Lookout			
T. Blinebry				T. Mancos			
T.Tubb				T. Gallup			
T. Drinkard				T. Greenhorn			
T. Abo				T. Graneros			
T. Wolfcamp				T. Dakota			
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T.Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Otzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand	5830	5830		T. Pinkerton			
T. Lamar Lime							
T. Bell Canyon	5876	5876					
T. Cherry Canyon	6166	6176					
T. Brushy Canyon	7145	7145					
T. Bone Springs	8492	8492					
T. 1st BS Sand	9620	9620					
T. 2nd BS Carbonate							
T. 2nd BS Sand							
T. 3rd BS Carbonate							
T. 3rd BS Sand							

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 393577

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 393577
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☒	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 393577

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 393577
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	7/30/2025