

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address BTA OIL PRODUCERS, LLC 104 S. PECOS MIDLAND, TX 79701		² OGRID Number 260297
		³ Reason for Filing Code/ Effective Date NEW WELL
⁴ API Number 30-025-51917	⁵ Pool Name WC-025 G-09 S173615C; UPPER PENN	⁶ Pool Code 98333
⁷ Property Code 334679	⁸ Property Name CAPITAN 22301.32 5 STATE COM	⁹ Well Number 5H

II. ¹⁰ Surface Location

Ul or lot no. D	Section 32	Township 16S	Range 36E	Lot Idn	Feet from the 250	North/South L NORTH	Feet from the 1300	East/West line WEST	County LEA
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¹¹ Bottom Hole Location

UL or lot no. M	Section 5	Township 17S	Range 36E	Lot Idn	Feet from the 54	North/South line SOUTH	Feet from the 661	East/West line WEST	County LEA
¹² Lse Code P	¹³ Producing Method FLOWING		¹⁴ Gas Connection DATE 2/27/2024		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
151618	ENTERPRISE FIELD SERVICES LLC P.O. BOX 4503 HOUSTON, TX.	O
246624	DCP MIDSTREAM, LP 10 DESTA DRIVE SUITE 400; MIDLAND, TX. 79705	G

IV. Well Completion Data

²¹ Spud Date 10/15/2023	²² Ready Date 2/27/2024	²³ TD 21650	²⁴ PBDT 21638	²⁵ Perforations 11500 - 21595	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 ½		13 3/8		1935	1480
12 ¼		9 5/8		4868	1340
8 ¾		7 5/8 LINER		10709	330
6 3/4		5 ½ 5		10485 21638	1285 2455

V. Well Test Data

³¹ Date New Oil 2/27/2024	³² Gas Delivery Date 2/27/2024	³³ Test Date 3/10/2024	³⁴ Test Length 24 HOURS	³⁵ Tbg. Pressure 780	³⁶ Csg. Pressure
³⁷ Choke Size 33/64	³⁸ Oil 508	³⁹ Water 2570	⁴⁰ Gas 10	780	⁴¹ Test Method FLOWING
⁴² 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. Signature: <i>Katy Reddell</i>			OIL CONSERVATION DIVISION Approved by:		
Printed name: KATY REDDELL			Title:		
Title: REGULATORY ANALYST			Approval Date:		
E-mail Address: kreddell@btaoil.com					
Date: 3/15/2024		Phone: 432-682-3753			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-51917	² Pool Code 98333	³ Pool Name WC-025 G-09 S173615C; UPPER PENN
⁴ Property Code 334679	⁵ Property Name CAPITAN 22301 32-5 STATE COM	⁶ Well Number 5H
⁷ OGRID No. 260297	⁸ Operator Name BTA OIL PRODUCERS, LLC	⁹ Elevation 3925'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	16S	36E		250	NORTH	1300	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	5	17S	36E		54	SOUTH	661	WEST	LEA

¹² Indicated Acres 319.17	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.

SURFACE HOLE LOCATION 250' FNL 1300' FWL, SECTION 32 0' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 833583.63' / Y: 687037.28' LAT: 32.88506070N / LON: 103.38132731W NAD 27, SPCS NM EAST X: 792405.49' / Y: 686972.67' LAT: 32.88494078N / LON: 103.38083029W KICK OFF POINT/FIRST TAKE POINT 403' FNL 641' FWL, SECTION 32 11500' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 832925.90' / Y: 686875.59' LAT: 32.88463263N / LON: 103.38347437W NAD 27, SPCS NM EAST X: 791747.76' / Y: 686810.96' LAT: 32.88451266N / LON: 103.38297732W LAST TAKE POINT 109' FSL 659' FWL, SECTION 5 21595' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 833064.49' / Y: 676806.08' LAT: 32.85695572N / LON: 103.38331817W NAD 27, SPCS NM EAST X: 791886.05' / Y: 676741.68' LAT: 32.85683554N / LON: 103.38282222W BOTTOM HOLE LOCATION 54' FSL 661' FWL, SECTION 5 21650' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 833066.41' / Y: 676751.12' LAT: 32.85680463N / LON: 103.38331352W NAD 27, SPCS NM EAST X: 791887.97' / Y: 676686.73' LAT: 32.85668445N / LON: 103.38281758W	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 834938.78' / Y: 687304.50' B - X: 834983.12' / Y: 684661.51' C - X: 835027.53' / Y: 682014.45' D - X: 835036.29' / Y: 679368.43' E - X: 835045.05' / Y: 676723.09' F - X: 832406.53' / Y: 676688.49' G - X: 832375.52' / Y: 679334.16' H - X: 832392.39' / Y: 682016.93' I - X: 832307.56' / Y: 684628.01' J - X: 832281.24' / Y: 687270.77' CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 793760.65' / Y: 687239.93' B - X: 793804.91' / Y: 684597.00' C - X: 793849.24' / Y: 681950.00' D - X: 793857.93' / Y: 679304.05' E - X: 793866.61' / Y: 676658.76' F - X: 791228.09' / Y: 676624.08' G - X: 791197.16' / Y: 679269.68' H - X: 791214.11' / Y: 681952.39' I - X: 791129.35' / Y: 684563.41' J - X: 791103.11' / Y: 687206.11'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Katy Reddell 4/1/2024 Signature _____ Date _____ KATY REDDELL Printed Name _____ kreddell@btaoil.com E-mail Address _____ ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by Delta Field Services. <i>Lloyd P. Short</i> Date of Survey: MARCH 22, 2024 Signature and Seal of Professional Surveyor LYOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR
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SHEET 1 OF 1
JOB No. BTA_0015_CP
REV 1 BM 3/21/2024

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99981955 and a Convergence Angle: 0.504669°



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 32, T16S R36E

Capitan 22301 32-5 State Com #5H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

17 November, 2023





KLX Directional Drilling

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Capitan 22301 32-5 State Com #5H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3950.0usft (Patterson #288)
Site:	Sec 32, T16S R36E	MD Reference:	WELL @ 3950.0usft (Patterson #288)
Well:	Capitan 22301 32-5 State Com #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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 32, T16S R36E		
Site Position:		Northing:	687,037.28 usft
From:	Map	Easting:	833,583.63 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 53' 6.219 N
		Longitude:	103° 22' 52.778 W
		Grid Convergence:	0.52 °

Well	Capitan 22301 32-5 State Com #5H		
Well Position	+N/-S	0.0 usft	Northing: 687,037.28 usft
	+E/-W	0.0 usft	Easting: 833,583.63 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 53' 6.219 N
		Longitude:	103° 22' 52.778 W
		Ground Level:	3,925.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM2023	10/10/2023	6.17
			Dip Angle (°)
			60.53
			Field Strength (nT)
			47,563.80000000

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 (°)
			182.88

Survey Program	Date	11/17/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
165.0	21,650.0	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	687,037.28	833,583.63	32° 53' 6.219 N	103° 22' 52.778 W
165.0	0.60	173.20	165.0	-0.9	0.1	687,036.42	833,583.73	32° 53' 6.210 N	103° 22' 52.777 W
First MWD Survey @ 165.0' MD / 165.0' TVD									
321.0	0.30	158.00	321.0	-2.0	0.4	687,035.23	833,583.98	32° 53' 6.198 N	103° 22' 52.774 W
479.0	0.40	159.00	479.0	-2.9	0.7	687,034.33	833,584.33	32° 53' 6.189 N	103° 22' 52.770 W
630.0	0.30	129.90	630.0	-3.7	1.2	687,033.58	833,584.83	32° 53' 6.182 N	103° 22' 52.765 W
725.0	0.40	140.20	725.0	-4.1	1.6	687,033.17	833,585.23	32° 53' 6.178 N	103° 22' 52.760 W
819.0	0.60	105.10	819.0	-4.5	2.3	687,032.79	833,585.91	32° 53' 6.174 N	103° 22' 52.752 W
914.0	0.40	120.30	914.0	-4.8	3.1	687,032.49	833,586.68	32° 53' 6.171 N	103° 22' 52.743 W
1,008.0	0.30	58.70	1,008.0	-4.8	3.5	687,032.45	833,587.17	32° 53' 6.170 N	103° 22' 52.737 W
1,103.0	0.50	5.30	1,103.0	-4.3	3.8	687,033.00	833,587.42	32° 53' 6.176 N	103° 22' 52.734 W
1,197.0	0.60	20.50	1,197.0	-3.4	4.0	687,033.87	833,587.63	32° 53' 6.184 N	103° 22' 52.732 W



KLX Directional Drilling

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Capitan 22301 32-5 State Com #5H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3950.0usft (Patterson #288)
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Well:	Capitan 22301 32-5 State Com #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,292.0	0.60	29.60	1,292.0	-2.5	4.4	687,034.76	833,588.05	32° 53' 6.193 N	103° 22' 52.727 W
1,386.0	0.50	41.30	1,386.0	-1.8	4.9	687,035.50	833,588.57	32° 53' 6.201 N	103° 22' 52.721 W
1,482.0	0.70	24.90	1,482.0	-0.9	5.5	687,036.35	833,589.09	32° 53' 6.209 N	103° 22' 52.714 W
1,577.0	0.70	36.70	1,576.9	0.1	6.1	687,037.34	833,589.68	32° 53' 6.219 N	103° 22' 52.707 W
1,670.0	0.90	18.20	1,669.9	1.2	6.6	687,038.49	833,590.25	32° 53' 6.230 N	103° 22' 52.701 W
1,765.0	0.70	43.90	1,764.9	2.3	7.3	687,039.61	833,590.89	32° 53' 6.241 N	103° 22' 52.693 W
1,884.0	1.40	33.90	1,883.9	4.1	8.6	687,041.35	833,592.20	32° 53' 6.258 N	103° 22' 52.677 W
1,988.0	1.50	22.30	1,987.9	6.4	9.8	687,043.66	833,593.43	32° 53' 6.281 N	103° 22' 52.663 W
2,083.0	2.80	316.50	2,082.8	9.2	8.7	687,046.49	833,592.30	32° 53' 6.309 N	103° 22' 52.676 W
2,178.0	6.50	304.00	2,177.5	13.9	2.6	687,051.18	833,586.24	32° 53' 6.356 N	103° 22' 52.746 W
2,271.0	8.60	299.70	2,269.7	20.3	-7.8	687,057.57	833,575.84	32° 53' 6.420 N	103° 22' 52.868 W
2,366.0	8.90	297.60	2,363.6	27.2	-20.5	687,064.50	833,563.16	32° 53' 6.490 N	103° 22' 53.015 W
2,460.0	8.80	296.70	2,456.5	33.8	-33.3	687,071.10	833,550.29	32° 53' 6.556 N	103° 22' 53.166 W
2,555.0	9.00	293.10	2,550.3	40.0	-46.7	687,077.28	833,536.96	32° 53' 6.618 N	103° 22' 53.321 W
2,650.0	8.60	294.00	2,644.2	45.8	-60.0	687,083.08	833,523.64	32° 53' 6.677 N	103° 22' 53.477 W
2,744.0	8.40	294.40	2,737.2	51.5	-72.7	687,088.78	833,510.96	32° 53' 6.735 N	103° 22' 53.625 W
2,839.0	8.00	296.70	2,831.2	57.3	-84.9	687,094.61	833,498.74	32° 53' 6.793 N	103° 22' 53.768 W
2,933.0	7.60	290.80	2,924.3	62.5	-96.5	687,099.76	833,487.08	32° 53' 6.845 N	103° 22' 53.904 W
3,028.0	7.60	284.80	3,018.5	66.3	-108.5	687,103.60	833,475.14	32° 53' 6.884 N	103° 22' 54.043 W
3,123.0	7.10	287.20	3,112.7	69.7	-120.2	687,106.94	833,463.46	32° 53' 6.918 N	103° 22' 54.180 W
3,217.0	6.40	288.40	3,206.1	73.0	-130.7	687,110.31	833,452.93	32° 53' 6.953 N	103° 22' 54.303 W
3,311.0	6.10	284.40	3,299.5	75.9	-140.5	687,113.20	833,443.13	32° 53' 6.982 N	103° 22' 54.418 W
3,406.0	6.20	278.20	3,394.0	77.9	-150.5	687,115.19	833,433.16	32° 53' 7.003 N	103° 22' 54.534 W
3,500.0	5.70	277.60	3,487.4	79.3	-160.1	687,116.53	833,423.51	32° 53' 7.017 N	103° 22' 54.647 W
3,595.0	5.10	277.80	3,582.0	80.5	-169.0	687,117.73	833,414.65	32° 53' 7.030 N	103° 22' 54.751 W
3,690.0	4.90	277.50	3,676.7	81.6	-177.2	687,118.83	833,406.44	32° 53' 7.041 N	103° 22' 54.847 W
3,784.0	5.30	280.90	3,770.3	82.9	-185.4	687,120.18	833,398.20	32° 53' 7.055 N	103° 22' 54.944 W
3,879.0	5.30	283.90	3,864.9	84.8	-194.0	687,122.06	833,389.63	32° 53' 7.075 N	103° 22' 55.044 W
3,973.0	4.90	283.90	3,958.5	86.8	-202.1	687,124.07	833,381.52	32° 53' 7.095 N	103° 22' 55.139 W
4,068.0	4.40	280.30	4,053.2	88.4	-209.6	687,125.70	833,374.00	32° 53' 7.112 N	103° 22' 55.227 W
4,162.0	4.00	281.90	4,146.9	89.7	-216.4	687,127.02	833,367.24	32° 53' 7.126 N	103° 22' 55.306 W
4,258.0	4.00	281.10	4,242.7	91.1	-223.0	687,128.35	833,360.68	32° 53' 7.139 N	103° 22' 55.383 W
4,352.0	4.50	281.80	4,336.5	92.5	-229.8	687,129.74	833,353.85	32° 53' 7.154 N	103° 22' 55.463 W
4,447.0	4.00	280.80	4,431.2	93.8	-236.7	687,131.12	833,346.95	32° 53' 7.168 N	103° 22' 55.544 W
4,542.0	3.40	280.70	4,526.0	95.0	-242.7	687,132.26	833,340.93	32° 53' 7.180 N	103° 22' 55.614 W
4,636.0	3.00	280.20	4,619.8	95.9	-247.9	687,133.22	833,335.77	32° 53' 7.190 N	103° 22' 55.675 W
4,731.0	2.50	280.50	4,714.7	96.8	-252.3	687,134.03	833,331.28	32° 53' 7.198 N	103° 22' 55.727 W
4,812.0	2.20	278.00	4,795.7	97.3	-255.6	687,134.57	833,328.00	32° 53' 7.204 N	103° 22' 55.765 W
4,913.0	2.10	278.50	4,896.6	97.8	-259.4	687,135.12	833,324.25	32° 53' 7.210 N	103° 22' 55.809 W
4,947.7	2.96	287.29	4,931.3	98.2	-260.9	687,135.48	833,322.77	32° 53' 7.213 N	103° 22' 55.827 W
Crossed Producing Area @ 4947.7'MD / 4931.3'TVD									
5,007.0	4.50	294.30	4,990.4	99.6	-264.4	687,136.89	833,319.19	32° 53' 7.228 N	103° 22' 55.869 W
5,101.0	7.40	296.90	5,083.9	103.9	-273.2	687,141.15	833,310.43	32° 53' 7.271 N	103° 22' 55.971 W
5,196.0	7.90	296.30	5,178.1	109.5	-284.5	687,146.81	833,299.12	32° 53' 7.328 N	103° 22' 56.103 W
5,290.0	8.00	297.00	5,271.2	115.4	-296.1	687,152.64	833,287.50	32° 53' 7.386 N	103° 22' 56.238 W
5,385.0	8.40	299.70	5,365.2	121.8	-308.0	687,159.08	833,275.58	32° 53' 7.451 N	103° 22' 56.377 W
5,479.0	8.20	298.60	5,458.2	128.4	-319.9	687,165.69	833,263.73	32° 53' 7.518 N	103° 22' 56.516 W
5,574.0	8.00	301.80	5,552.3	135.1	-331.5	687,172.41	833,252.17	32° 53' 7.585 N	103° 22' 56.651 W
5,669.0	8.40	293.00	5,646.3	141.3	-343.5	687,178.61	833,240.16	32° 53' 7.647 N	103° 22' 56.791 W
5,741.4	8.63	290.46	5,717.9	145.3	-353.4	687,182.57	833,230.21	32° 53' 7.688 N	103° 22' 56.907 W
Crossed 100' HL @ 5741.4'MD / 5717.9'TVD									
5,764.0	8.70	289.70	5,740.2	146.5	-356.6	687,183.74	833,227.01	32° 53' 7.699 N	103° 22' 56.944 W
5,858.0	8.90	293.30	5,833.1	151.7	-370.0	687,189.02	833,213.64	32° 53' 7.753 N	103° 22' 57.101 W
5,953.0	8.90	287.20	5,927.0	156.8	-383.8	687,194.10	833,199.87	32° 53' 7.804 N	103° 22' 57.262 W
6,047.0	9.50	282.90	6,019.8	160.7	-398.3	687,197.98	833,185.36	32° 53' 7.844 N	103° 22' 57.431 W



KLX Directional Drilling

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Capitan 22301 32-5 State Com #5H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3950.0usft (Patterson #288)
Site:	Sec 32, T16S R36E	MD Reference:	WELL @ 3950.0usft (Patterson #288)
Well:	Capitan 22301 32-5 State Com #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,142.0	9.60	284.70	6,113.5	164.5	-413.6	687,201.74	833,170.05	32° 53' 7.883 N	103° 22' 57.610 W
6,237.0	9.80	285.80	6,207.1	168.7	-429.0	687,205.95	833,154.61	32° 53' 7.926 N	103° 22' 57.791 W
6,331.0	9.70	287.20	6,299.8	173.2	-444.3	687,210.47	833,139.35	32° 53' 7.972 N	103° 22' 57.970 W
6,426.0	9.50	285.80	6,393.4	177.7	-459.5	687,214.97	833,124.16	32° 53' 8.018 N	103° 22' 58.147 W
6,521.0	9.50	289.40	6,487.1	182.4	-474.4	687,219.71	833,109.22	32° 53' 8.066 N	103° 22' 58.322 W
6,615.0	9.30	290.40	6,579.9	187.7	-488.8	687,224.93	833,094.79	32° 53' 8.119 N	103° 22' 58.491 W
6,709.0	8.30	279.50	6,672.8	191.4	-502.7	687,228.70	833,080.98	32° 53' 8.157 N	103° 22' 58.652 W
6,803.0	8.20	278.30	6,765.8	193.5	-516.0	687,230.79	833,067.65	32° 53' 8.179 N	103° 22' 58.808 W
6,898.0	6.90	277.80	6,860.0	195.3	-528.3	687,232.54	833,055.29	32° 53' 8.198 N	103° 22' 58.953 W
6,992.0	6.40	277.70	6,953.3	196.7	-539.1	687,234.01	833,044.51	32° 53' 8.213 N	103° 22' 59.079 W
7,087.0	6.40	276.40	7,047.7	198.0	-549.6	687,235.31	833,034.00	32° 53' 8.227 N	103° 22' 59.202 W
7,181.0	6.40	277.00	7,141.2	199.3	-560.0	687,236.53	833,023.59	32° 53' 8.240 N	103° 22' 59.324 W
7,276.0	6.30	278.70	7,235.6	200.7	-570.4	687,237.97	833,013.18	32° 53' 8.255 N	103° 22' 59.446 W
7,371.0	6.50	280.00	7,330.0	202.4	-580.9	687,239.69	833,002.74	32° 53' 8.273 N	103° 22' 59.568 W
7,465.0	6.30	279.10	7,423.4	204.2	-591.2	687,241.43	832,992.40	32° 53' 8.291 N	103° 22' 59.689 W
7,560.0	5.00	272.90	7,517.9	205.2	-600.5	687,242.46	832,983.12	32° 53' 8.302 N	103° 22' 59.798 W
7,655.0	4.70	267.60	7,612.6	205.2	-608.5	687,242.51	832,975.10	32° 53' 8.303 N	103° 22' 59.892 W
7,749.0	3.20	267.30	7,706.4	204.9	-615.0	687,242.22	832,968.63	32° 53' 8.301 N	103° 22' 59.968 W
7,844.0	3.10	268.40	7,801.2	204.8	-620.2	687,242.03	832,963.41	32° 53' 8.300 N	103° 23' 0.029 W
7,938.0	3.00	260.80	7,895.1	204.3	-625.2	687,241.56	832,958.44	32° 53' 8.295 N	103° 23' 0.088 W
8,033.0	2.90	261.90	7,990.0	203.6	-630.0	687,240.83	832,953.61	32° 53' 8.289 N	103° 23' 0.144 W
8,127.0	1.70	269.90	8,083.9	203.2	-633.8	687,240.49	832,949.86	32° 53' 8.286 N	103° 23' 0.188 W
8,222.0	1.80	275.60	8,178.8	203.4	-636.7	687,240.63	832,946.97	32° 53' 8.287 N	103° 23' 0.222 W
8,316.0	0.60	219.10	8,272.8	203.1	-638.4	687,240.39	832,945.19	32° 53' 8.285 N	103° 23' 0.243 W
8,410.0	0.80	202.70	8,366.8	202.1	-639.0	687,239.41	832,944.62	32° 53' 8.275 N	103° 23' 0.250 W
8,505.0	0.70	194.40	8,461.8	201.0	-639.4	687,238.23	832,944.22	32° 53' 8.264 N	103° 23' 0.255 W
8,600.0	0.50	222.30	8,556.8	200.1	-639.8	687,237.36	832,943.80	32° 53' 8.255 N	103° 23' 0.260 W
8,694.0	0.90	222.40	8,650.8	199.2	-640.6	687,236.51	832,943.03	32° 53' 8.247 N	103° 23' 0.269 W
8,789.0	0.60	198.30	8,745.8	198.2	-641.3	687,235.49	832,942.37	32° 53' 8.237 N	103° 23' 0.277 W
8,884.0	0.90	222.70	8,840.8	197.2	-641.9	687,234.47	832,941.71	32° 53' 8.227 N	103° 23' 0.285 W
8,978.0	0.60	212.70	8,934.8	196.2	-642.7	687,233.51	832,940.94	32° 53' 8.217 N	103° 23' 0.294 W
9,073.0	0.70	240.10	9,029.8	195.5	-643.5	687,232.81	832,940.17	32° 53' 8.210 N	103° 23' 0.303 W
9,168.0	1.30	16.40	9,124.8	196.3	-643.7	687,233.55	832,939.97	32° 53' 8.218 N	103° 23' 0.305 W
9,263.0	1.70	9.30	9,219.7	198.7	-643.1	687,235.98	832,940.50	32° 53' 8.242 N	103° 23' 0.298 W
9,357.0	2.00	9.90	9,313.7	201.7	-642.6	687,238.97	832,941.01	32° 53' 8.271 N	103° 23' 0.292 W
9,452.0	1.90	18.00	9,408.6	204.8	-641.8	687,242.10	832,941.78	32° 53' 8.302 N	103° 23' 0.283 W
9,547.0	1.90	8.70	9,503.6	207.9	-641.1	687,245.15	832,942.50	32° 53' 8.332 N	103° 23' 0.274 W
9,641.0	1.80	22.60	9,597.5	210.8	-640.3	687,248.06	832,943.31	32° 53' 8.361 N	103° 23' 0.264 W
9,736.0	1.90	11.90	9,692.5	213.7	-639.4	687,250.97	832,944.21	32° 53' 8.390 N	103° 23' 0.253 W
9,831.0	1.80	12.90	9,787.4	216.7	-638.8	687,253.97	832,944.86	32° 53' 8.419 N	103° 23' 0.245 W
9,925.0	1.70	20.70	9,881.4	219.4	-637.9	687,256.71	832,945.69	32° 53' 8.446 N	103° 23' 0.236 W
10,019.0	1.60	13.10	9,975.3	222.0	-637.2	687,259.30	832,946.48	32° 53' 8.472 N	103° 23' 0.226 W
10,114.0	1.10	27.10	10,070.3	224.1	-636.4	687,261.40	832,947.19	32° 53' 8.493 N	103° 23' 0.217 W
10,208.0	1.00	17.80	10,164.3	225.7	-635.8	687,262.98	832,947.85	32° 53' 8.508 N	103° 23' 0.209 W
10,303.0	0.40	344.00	10,259.3	226.8	-635.6	687,264.09	832,948.02	32° 53' 8.519 N	103° 23' 0.207 W
10,398.0	0.10	196.80	10,354.3	227.1	-635.7	687,264.33	832,947.90	32° 53' 8.522 N	103° 23' 0.209 W
10,493.0	0.10	311.60	10,449.3	227.0	-635.8	687,264.31	832,947.81	32° 53' 8.521 N	103° 23' 0.210 W
10,588.0	0.20	190.20	10,544.3	226.9	-635.9	687,264.20	832,947.72	32° 53' 8.520 N	103° 23' 0.211 W
10,657.0	0.30	178.60	10,613.3	226.6	-635.9	687,263.90	832,947.71	32° 53' 8.517 N	103° 23' 0.211 W
10,742.0	0.50	215.00	10,698.3	226.1	-636.1	687,263.37	832,947.50	32° 53' 8.512 N	103° 23' 0.214 W
10,837.0	6.20	189.30	10,793.1	220.7	-637.2	687,257.97	832,946.43	32° 53' 8.459 N	103° 23' 0.227 W
10,931.0	19.80	184.50	10,884.5	199.7	-639.3	687,236.99	832,944.35	32° 53' 8.251 N	103° 23' 0.253 W
11,026.0	25.40	184.60	10,972.1	163.3	-642.2	687,200.61	832,941.45	32° 53' 7.892 N	103° 23' 0.291 W
11,073.0	29.31	183.99	11,013.9	141.8	-643.8	687,179.08	832,939.84	32° 53' 7.679 N	103° 23' 0.312 W
Crossed 100' HL @ 11073.0'MD / 11013.9'TVD									



KLX Directional Drilling

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Capitan 22301 32-5 State Com #5H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3950.0usft (Patterson #288)
Site:	Sec 32, T16S R36E	MD Reference:	WELL @ 3950.0usft (Patterson #288)
Well:	Capitan 22301 32-5 State Com #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,121.0	33.30	183.50	11,054.9	116.9	-645.4	687,154.20	832,938.22	32° 53' 7.433 N	103° 23' 0.334 W
11,216.0	39.30	184.50	11,131.4	60.8	-649.4	687,098.12	832,934.27	32° 53' 6.878 N	103° 23' 0.386 W
11,310.0	45.50	182.20	11,200.8	-2.4	-653.0	687,034.88	832,930.64	32° 53' 6.253 N	103° 23' 0.435 W
11,404.0	57.50	181.30	11,259.2	-75.8	-655.2	686,961.48	832,928.45	32° 53' 5.527 N	103° 23' 0.469 W
11,498.0	69.60	182.10	11,301.0	-159.8	-657.7	686,877.52	832,925.92	32° 53' 4.697 N	103° 23' 0.507 W
11,593.0	81.00	179.30	11,325.1	-251.5	-658.8	686,785.80	832,924.86	32° 53' 3.789 N	103° 23' 0.529 W
11,688.0	88.00	177.00	11,334.2	-345.9	-655.7	686,691.35	832,927.92	32° 53' 2.854 N	103° 23' 0.503 W
11,782.0	87.90	175.10	11,337.5	-439.6	-649.2	686,597.64	832,934.39	32° 53' 1.927 N	103° 23' 0.437 W
11,877.0	89.90	175.40	11,339.3	-534.3	-641.4	686,502.98	832,942.26	32° 53' 0.990 N	103° 23' 0.355 W
11,972.0	91.10	175.50	11,338.5	-629.0	-633.8	686,408.29	832,949.79	32° 53' 0.052 N	103° 23' 0.277 W
12,066.0	92.00	174.80	11,336.0	-722.6	-625.9	686,314.66	832,957.74	32° 52' 59.125 N	103° 23' 0.194 W
12,160.0	88.90	175.40	11,335.2	-816.3	-617.9	686,221.02	832,965.77	32° 52' 58.198 N	103° 23' 0.109 W
12,255.0	86.70	177.70	11,338.9	-911.0	-612.1	686,126.27	832,971.48	32° 52' 57.260 N	103° 23' 0.052 W
12,350.0	85.80	178.50	11,345.1	-1,005.7	-609.0	686,031.53	832,974.62	32° 52' 56.322 N	103° 23' 0.026 W
12,445.0	85.70	178.70	11,352.1	-1,100.5	-606.7	685,936.82	832,976.94	32° 52' 55.385 N	103° 23' 0.008 W
12,540.0	89.90	179.90	11,355.8	-1,195.4	-605.5	685,841.92	832,978.10	32° 52' 54.446 N	103° 23' 0.005 W
12,634.0	90.20	180.40	11,355.7	-1,289.4	-605.8	685,747.92	832,977.85	32° 52' 53.516 N	103° 23' 0.018 W
12,729.0	90.40	180.30	11,355.2	-1,384.4	-606.4	685,652.93	832,977.27	32° 52' 52.576 N	103° 23' 0.034 W
12,825.0	88.30	181.10	11,356.3	-1,480.3	-607.5	685,556.94	832,976.10	32° 52' 51.627 N	103° 23' 0.058 W
12,920.0	88.20	180.90	11,359.2	-1,575.3	-609.2	685,462.00	832,974.44	32° 52' 50.688 N	103° 23' 0.088 W
13,014.0	87.40	180.70	11,362.8	-1,669.2	-610.5	685,368.08	832,973.13	32° 52' 49.759 N	103° 23' 0.113 W
13,110.0	89.10	181.20	11,365.7	-1,765.1	-612.1	685,272.14	832,971.54	32° 52' 48.809 N	103° 23' 0.142 W
13,204.0	86.60	180.90	11,369.3	-1,859.0	-613.8	685,178.23	832,969.82	32° 52' 47.881 N	103° 23' 0.172 W
13,299.0	87.20	180.80	11,374.4	-1,953.9	-615.2	685,083.38	832,968.41	32° 52' 46.942 N	103° 23' 0.198 W
13,394.0	85.10	179.50	11,380.8	-2,048.7	-615.5	684,988.61	832,968.16	32° 52' 46.005 N	103° 23' 0.211 W
13,489.0	85.50	179.90	11,388.6	-2,143.3	-615.0	684,893.93	832,968.65	32° 52' 45.068 N	103° 23' 0.216 W
13,583.0	83.40	179.10	11,397.7	-2,236.9	-614.2	684,800.38	832,969.47	32° 52' 44.142 N	103° 23' 0.216 W
13,677.0	85.80	180.50	11,406.5	-2,330.5	-613.8	684,706.80	832,969.79	32° 52' 43.216 N	103° 23' 0.222 W
13,772.0	81.30	179.70	11,417.2	-2,424.8	-614.0	684,612.43	832,969.63	32° 52' 42.283 N	103° 23' 0.234 W
13,866.0	81.50	180.30	11,431.2	-2,517.8	-614.0	684,519.49	832,969.63	32° 52' 41.363 N	103° 23' 0.244 W
13,961.0	82.40	180.90	11,444.5	-2,611.8	-615.0	684,425.43	832,968.64	32° 52' 40.433 N	103° 23' 0.265 W
14,055.0	82.70	181.50	11,456.7	-2,705.0	-616.9	684,332.25	832,966.69	32° 52' 39.511 N	103° 23' 0.298 W
14,150.0	83.50	182.10	11,468.1	-2,799.3	-619.9	684,237.98	832,963.73	32° 52' 38.579 N	103° 23' 0.343 W
14,245.0	86.10	180.10	11,476.7	-2,893.9	-621.7	684,143.40	832,961.91	32° 52' 37.643 N	103° 23' 0.374 W
14,339.0	87.30	179.80	11,482.2	-2,987.7	-621.6	684,049.56	832,962.00	32° 52' 36.714 N	103° 23' 0.383 W
14,448.0	87.20	180.00	11,487.4	-3,096.6	-621.4	683,940.69	832,962.19	32° 52' 35.637 N	103° 23' 0.392 W
14,542.0	86.20	177.70	11,492.8	-3,190.4	-619.6	683,846.87	832,964.07	32° 52' 34.709 N	103° 23' 0.380 W
14,637.0	85.80	179.10	11,499.4	-3,285.1	-616.9	683,752.14	832,966.71	32° 52' 33.771 N	103° 23' 0.359 W
14,732.0	86.00	177.70	11,506.2	-3,379.9	-614.3	683,657.42	832,969.36	32° 52' 32.834 N	103° 23' 0.338 W
14,827.0	86.00	177.50	11,512.8	-3,474.5	-610.3	683,562.74	832,973.33	32° 52' 31.897 N	103° 23' 0.301 W
14,922.0	86.40	178.20	11,519.1	-3,569.3	-606.7	683,468.01	832,976.88	32° 52' 30.960 N	103° 23' 0.270 W
15,016.0	87.30	177.60	11,524.3	-3,663.1	-603.3	683,374.22	832,980.32	32° 52' 30.031 N	103° 23' 0.239 W
15,111.0	87.30	177.60	11,528.8	-3,757.9	-599.3	683,279.41	832,984.30	32° 52' 29.093 N	103° 23' 0.203 W
15,205.0	87.50	177.70	11,533.0	-3,851.7	-595.5	683,185.58	832,988.15	32° 52' 28.164 N	103° 23' 0.167 W
15,299.0	87.90	178.30	11,536.8	-3,945.6	-592.2	683,091.72	832,991.43	32° 52' 27.235 N	103° 23' 0.139 W
15,394.0	88.90	177.60	11,539.5	-4,040.5	-588.8	682,996.82	832,994.82	32° 52' 26.296 N	103° 23' 0.109 W
15,489.0	89.70	179.10	11,540.6	-4,135.4	-586.1	682,901.87	832,997.56	32° 52' 25.356 N	103° 23' 0.087 W
15,583.0	89.00	178.40	11,541.7	-4,229.4	-584.0	682,807.90	832,999.61	32° 52' 24.427 N	103° 23' 0.073 W
15,678.0	88.90	177.70	11,543.4	-4,324.3	-580.8	682,712.97	833,002.84	32° 52' 23.487 N	103° 23' 0.045 W
15,772.0	88.90	177.20	11,545.2	-4,418.2	-576.6	682,619.08	833,007.02	32° 52' 22.558 N	103° 23' 0.006 W
15,866.0	88.80	177.60	11,547.1	-4,512.1	-572.3	682,525.19	833,011.29	32° 52' 21.629 N	103° 22' 59.966 W
15,961.0	88.20	178.80	11,549.6	-4,607.0	-569.4	682,430.28	833,014.27	32° 52' 20.689 N	103° 22' 59.941 W
16,056.0	88.00	180.60	11,552.8	-4,701.9	-568.9	682,335.33	833,014.77	32° 52' 19.750 N	103° 22' 59.945 W
16,150.0	88.40	179.80	11,555.7	-4,795.9	-569.2	682,241.38	833,014.44	32° 52' 18.820 N	103° 22' 59.959 W
16,244.0	88.50	180.50	11,558.3	-4,889.9	-569.4	682,147.42	833,014.19	32° 52' 17.891 N	103° 22' 59.972 W



KLX Directional Drilling

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Capitan 22301 32-5 State Com #5H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3950.0usft (Patterson #288)
Site:	Sec 32, T16S R36E	MD Reference:	WELL @ 3950.0usft (Patterson #288)
Well:	Capitan 22301 32-5 State Com #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,339.0	91.30	180.60	11,558.4	-4,984.8	-570.3	682,052.43	833,013.28	32° 52' 16.951 N	103° 22' 59.992 W
16,433.0	91.30	178.70	11,556.3	-5,078.8	-569.8	681,958.46	833,013.85	32° 52' 16.021 N	103° 22' 59.995 W
16,527.0	91.60	178.00	11,553.9	-5,172.7	-567.1	681,864.53	833,016.56	32° 52' 15.092 N	103° 22' 59.974 W
16,622.0	91.50	178.00	11,551.3	-5,267.7	-563.8	681,769.62	833,019.87	32° 52' 14.152 N	103° 22' 59.945 W
16,717.0	91.30	178.50	11,549.0	-5,362.6	-560.9	681,674.70	833,022.77	32° 52' 13.213 N	103° 22' 59.921 W
16,811.0	92.50	180.10	11,545.9	-5,456.5	-559.7	681,580.76	833,023.92	32° 52' 12.283 N	103° 22' 59.917 W
16,906.0	92.00	180.10	11,542.2	-5,551.4	-559.9	681,485.83	833,023.76	32° 52' 11.344 N	103° 22' 59.929 W
17,001.0	92.30	181.50	11,538.6	-5,646.4	-561.2	681,390.91	833,022.43	32° 52' 10.405 N	103° 22' 59.955 W
17,096.0	92.70	181.30	11,534.5	-5,741.2	-563.5	681,296.03	833,020.11	32° 52' 9.467 N	103° 22' 59.992 W
17,190.0	92.30	182.90	11,530.4	-5,835.1	-567.0	681,202.19	833,016.67	32° 52' 8.539 N	103° 23' 0.042 W
17,285.0	92.40	184.60	11,526.5	-5,929.8	-573.2	681,107.47	833,010.46	32° 52' 7.602 N	103° 23' 0.125 W
17,378.0	92.40	183.70	11,522.6	-6,022.5	-579.9	681,014.80	833,003.74	32° 52' 6.686 N	103° 23' 0.214 W
17,473.0	92.50	184.10	11,518.5	-6,117.2	-586.3	680,920.11	832,997.28	32° 52' 5.750 N	103° 23' 0.299 W
17,567.0	92.50	182.80	11,514.4	-6,210.9	-592.0	680,826.37	832,991.63	32° 52' 4.823 N	103° 23' 0.375 W
17,661.0	92.20	180.20	11,510.6	-6,304.8	-594.5	680,732.49	832,989.17	32° 52' 3.894 N	103° 23' 0.414 W
17,755.0	93.10	179.10	11,506.2	-6,398.7	-593.9	680,638.59	832,989.75	32° 52' 2.965 N	103° 23' 0.417 W
17,849.0	92.70	178.50	11,501.5	-6,492.5	-591.9	680,544.73	832,991.71	32° 52' 2.036 N	103° 23' 0.404 W
17,944.0	93.50	176.30	11,496.3	-6,587.3	-587.6	680,449.98	832,996.02	32° 52' 1.098 N	103° 23' 0.364 W
18,039.0	93.00	172.60	11,490.9	-6,681.7	-578.4	680,355.59	833,005.19	32° 52' 0.164 N	103° 23' 0.266 W
18,133.0	92.90	171.90	11,486.1	-6,774.7	-565.8	680,262.57	833,017.85	32° 51' 59.242 N	103° 23' 0.128 W
18,228.0	92.90	173.30	11,481.3	-6,868.8	-553.6	680,168.49	833,030.07	32° 51' 58.310 N	103° 22' 59.994 W
18,322.0	93.00	174.10	11,476.4	-6,962.1	-543.3	680,075.18	833,040.37	32° 51' 57.386 N	103° 22' 59.883 W
18,417.0	93.10	174.60	11,471.4	-7,056.5	-533.9	679,980.78	833,049.71	32° 51' 56.451 N	103° 22' 59.784 W
18,512.0	93.00	176.50	11,466.3	-7,151.1	-526.6	679,886.20	833,057.07	32° 51' 55.515 N	103° 22' 59.707 W
18,607.0	93.10	178.30	11,461.3	-7,245.8	-522.3	679,791.44	833,061.37	32° 51' 54.577 N	103° 22' 59.667 W
18,702.0	91.90	178.10	11,457.1	-7,340.7	-519.3	679,696.58	833,064.35	32° 51' 53.638 N	103° 22' 59.642 W
18,801.0	90.80	182.00	11,454.8	-7,439.7	-519.4	679,597.62	833,064.26	32° 51' 52.659 N	103° 22' 59.654 W
18,896.0	91.40	182.40	11,453.0	-7,534.6	-523.0	679,502.71	833,060.62	32° 51' 51.721 N	103° 22' 59.706 W
18,990.0	91.40	182.30	11,450.7	-7,628.5	-526.9	679,408.82	833,056.77	32° 51' 50.792 N	103° 22' 59.761 W
19,084.0	91.30	183.20	11,448.5	-7,722.3	-531.4	679,314.96	833,052.26	32° 51' 49.864 N	103° 22' 59.824 W
19,179.0	91.10	183.50	11,446.5	-7,817.1	-536.9	679,220.14	833,046.71	32° 51' 48.926 N	103° 22' 59.899 W
19,273.0	91.20	181.90	11,444.6	-7,911.0	-541.3	679,126.26	833,042.28	32° 51' 47.998 N	103° 22' 59.961 W
19,368.0	91.60	180.60	11,442.3	-8,006.0	-543.4	679,031.32	833,040.21	32° 51' 47.059 N	103° 22' 59.995 W
19,464.0	91.00	180.80	11,440.1	-8,101.9	-544.6	678,935.35	833,039.04	32° 51' 46.109 N	103° 22' 59.019 W
19,558.0	91.20	180.80	11,438.3	-8,195.9	-545.9	678,841.38	833,037.72	32° 51' 45.180 N	103° 23' 0.044 W
19,652.0	91.20	180.70	11,436.3	-8,289.9	-547.1	678,747.41	833,036.49	32° 51' 44.250 N	103° 23' 0.069 W
19,747.0	91.20	182.00	11,434.3	-8,384.8	-549.4	678,652.45	833,034.26	32° 51' 43.311 N	103° 23' 0.105 W
19,842.0	90.50	181.40	11,432.9	-8,479.8	-552.2	678,557.51	833,031.44	32° 51' 42.372 N	103° 23' 0.148 W
19,937.0	90.20	180.60	11,432.3	-8,574.7	-553.8	678,462.53	833,029.78	32° 51' 41.432 N	103° 23' 0.178 W
20,031.0	89.50	179.50	11,432.6	-8,668.7	-553.9	678,368.53	833,029.70	32° 51' 40.502 N	103° 23' 0.188 W
20,126.0	89.60	178.90	11,433.3	-8,763.7	-552.6	678,273.54	833,031.02	32° 51' 39.562 N	103° 23' 0.183 W
20,220.0	89.30	178.60	11,434.2	-8,857.7	-550.6	678,179.57	833,033.07	32° 51' 38.632 N	103° 23' 0.169 W
20,315.0	89.00	179.70	11,435.6	-8,952.7	-549.1	678,084.59	833,034.48	32° 51' 37.692 N	103° 23' 0.162 W
20,409.0	89.50	178.90	11,436.9	-9,046.7	-548.0	677,990.61	833,035.63	32° 51' 36.763 N	103° 23' 0.159 W
20,503.0	89.40	180.60	11,437.8	-9,140.7	-547.6	677,896.61	833,036.04	32° 51' 35.833 N	103° 23' 0.164 W
20,597.0	89.40	178.90	11,438.8	-9,234.7	-547.2	677,802.62	833,036.45	32° 51' 34.903 N	103° 23' 0.169 W
20,693.0	90.10	179.00	11,439.2	-9,330.6	-545.4	677,706.64	833,038.21	32° 51' 33.953 N	103° 23' 0.158 W
20,787.0	91.80	176.90	11,437.6	-9,424.6	-542.1	677,612.72	833,041.57	32° 51' 33.023 N	103° 23' 0.129 W
20,881.0	92.10	178.30	11,434.4	-9,518.4	-538.1	677,518.86	833,045.51	32° 51' 32.094 N	103° 23' 0.093 W
20,976.0	93.30	177.10	11,430.0	-9,613.2	-534.3	677,424.05	833,049.31	32° 51' 31.156 N	103° 23' 0.058 W
21,071.0	93.50	178.30	11,424.3	-9,708.0	-530.5	677,329.29	833,053.12	32° 51' 30.218 N	103° 23' 0.023 W
21,165.0	93.50	178.80	11,418.6	-9,801.8	-528.1	677,235.50	833,055.49	32° 51' 29.290 N	103° 23' 0.005 W
21,260.0	93.30	178.60	11,412.9	-9,896.6	-526.0	677,140.69	833,057.65	32° 51' 28.352 N	103° 22' 59.990 W
21,355.0	93.50	179.60	11,407.3	-9,991.4	-524.5	677,045.87	833,059.14	32° 51' 27.414 N	103° 22' 59.983 W
21,450.0	91.60	178.80	11,403.1	-10,086.3	-523.2	676,950.98	833,060.46	32° 51' 26.475 N	103° 22' 59.977 W



KLX Directional Drilling

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Capitan 22301 32-5 State Com #5H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3950.0usft (Patterson #288)
Site:	Sec 32, T16S R36E	MD Reference:	WELL @ 3950.0usft (Patterson #288)
Well:	Capitan 22301 32-5 State Com #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,544.0	91.20	178.30	11,400.8	-10,180.2	-520.8	676,857.04	833,062.84	32° 51' 25.545 N	103° 22' 59.959 W
21,595.0	91.00	178.00	11,399.8	-10,231.2	-519.1	676,806.07	833,064.49	32° 51' 25.041 N	103° 22' 59.945 W
21,603.8	91.00	178.00	11,399.7	-10,240.0	-518.8	676,797.28	833,064.79	32° 51' 24.954 N	103° 22' 59.943 W
Crossed Producing Area @ 21603.8'MD / 11399.7'TVD									
21,650.0	91.00	178.00	11,398.8	-10,286.2	-517.2	676,751.12	833,066.40	32° 51' 24.497 N	103° 22' 59.929 W
TD @ 21650.0'MD / 11398.8'TVD									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
165.0	165.0	-0.9	0.1	First MWD Survey @ 165.0' MD / 165.0' TVD	
4,947.7	4,931.3	98.2	-260.9	Crossed Producing Area @ 4947.7'MD / 4931.3'TVD	
5,741.4	5,717.9	145.3	-353.4	Crossed 100' HL @ 5741.4'MD / 5717.9'TVD	
11,073.0	11,013.9	141.8	-643.8	Crossed 100' HL @ 11073.0'MD / 11013.9'TVD	
21,603.8	11,399.7	-10,240.0	-518.8	Crossed Producing Area @ 21603.8'MD / 11399.7'TVD	
21,650.0	11,398.8	-10,286.2	-517.2	TD @ 21650.0'MD / 11398.8'TVD	

Checked By: _____ Approved By: _____ Date: _____

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

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 ☐		WELL API NO. 30-025-51917 5. Indicate Type of Lease STATE ☒ FEE ☐ 6. State Oil & Gas Lease No. 98333 7. Lease Name or Unit Agreement Name CAPTAN 22301 32 5 STATE COM 8. Well Number 5H 9. OGRID Number 260297 10. Pool name or Wildcat WC-025 G-09 S173615C; UPPER PENN
2. Name of Operator BTA OIL PRODUCERS, LLC 3. Address of Operator 104 S. PECOS; MIDLAND, TX 79701 4. Well Location Unit Letter <u>D</u> 250 feet from the NORTH line and 1300 feet from the WEST line Section 32 Township 16S Range 36E County LEA 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3925		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: Completion Frac Sundry ☐

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.

SEE ATTACHED.

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

SIGNATURE *Katy Reddell* TITLE: REGULATORY ANALYST DATE 3/12/2024

Type or print name KATY REDDELL_ E-mail address: kreddell@btaoil.com PHONE: 432-628-3753

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

CAPITAN 22301 32 5 STATE COM 5H												
30-025-51917												
<u>TD / DATE REACHED</u>	<u>PBTD</u>	<u>PT CSG PSI</u>	<u>LENGTH OF TEST AND RESULT</u>	<u>PERF & FRAC DATE</u>	<u>ZONE & INTERVAL</u>	<u>TOTAL FLUID</u>	<u>TOTAL SAND MM#</u>	<u>DATE DRILLOUT COMPLETE</u>	<u>GLV'S & TUBING DATE</u>	<u>TUBING DETAIL</u>	<u>PACKER DETAIL</u>	<u>DATE FLOWBACK AND TESTING FIRST PROD.</u>
21,650 / 11/18/2023	21,638	9,500	30 min. passed	1/24 - 2/12/2024	11,500 - 21,595	550,815	18.43	2/15/2024	2/20/2024	2 7/8 IPC; EOT 10,471	JSLOT 10,464	2/27/2024

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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-105 Revised April 3, 2017 1. WELL API NO. 30-025-51917 2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN 2. State Oil & Gas Lease No. 334679				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name CAPITAN 22301 32 5 STATE COM 6. Well Number: 5H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator BTA OIL PRODUCERS, LLC						9. OGRID 260297				
10. Address of Operator 104 S. PECOS; MIDLAND, TX. 79701						11. Pool name or Wildcat WC-025 G-09 S173615C; UPPER PENN				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	32	16S	36E		250	N	1300	W	LEA
BH:	M	5	17S	36E		54	S	661	W	LEA
13. Date Spudded 10/15/2023	14. Date T.D. Reached 11/18/2023		15. Date Rig Released 11/20/2023		16. Date Completed (Ready to Produce) 2/27/2024			17. Elevations (DF and RKB, RT, GR, etc.) 3925		
18. Total Measured Depth of Well 21650			19. Plug Back Measured Depth 21638		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run MWD		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11500 - 21595										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8		54.5		1935		17 ½		35% B_Poz+65% Class C 1480 SKS		
9 5/8		40		4868		12 ¼		35% B_Poz+65% Class C 1340 SKS		
7 5/8 LINER		29.7		10709		8 3/4		100% ProLite 330 SKS		
5 ½		20		10485		6 ¾		50% B_Poz+50% Class H 1285 SKS		
5		18		21638		6 ¾		50% B_Poz+50% Class H 2455 SKS		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
7 5/8	4752	10709	330			2 7/8	10471	10464		
26. Perforation record (interval, size, and number) 11500 – 21595 SZE 40 2304 HOLES						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						21595		550,815 bbls slickwater, 18.43 MM#s of 100 mesh native sand.		
28. PRODUCTION										
Date First Production 2/27/2024		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PROD				
Date of Test 3/10/2024	Hours Tested 24	Choke Size 33/64	Prod'n For Test Period	Oil - Bbl 508	Gas - MCF 10	Water - Bbl. 2570	Gas - Oil Ratio 19.685			
Flow Tubing Press. 780	Casing Pressure	Calculated 24- Hour Rate YES	Oil - Bbl. 508	Gas - MCF 10	Water - Bbl. 2570	Oil Gravity - API - (Corr.) 49				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By			

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date:

34. If an on-site burial was used at the well, report the exact location of the on-site burial:

LatitudeLongitudeNAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Printed

Signature Katy ReddellName KATY REDDELLTitle REGULATORY ANALYSTDate 3/15/2024

E-mail Address: kreddel@btaoil.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 3312	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 6315	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo 8244	T.	T. Entrada	
T. Wolfcamp 9509	T.	T. Wingate	
T. Penn 11040	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS
SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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District I
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District IV
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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

ACKNOWLEDGMENTS

Action 336783

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 336783
	Action Type: [C-104] Completion Packet (C-104C)

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.

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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 336783

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 336783
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	5/7/2024