

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. 30-025-51237	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name ALTAMONT 7903 19-30-31 STATE COM	
8. Well Number	1H
9. OGRID Number	260297
10. Pool name or Wildcat WC-025 G-09 S173615C ; UPPER PENN	

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 F ; 2323 feet from the North line and 1505 feet from the West line Section 19 Township 17S Range 36E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3893'	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BTA Oil Producers, LLC respectfully requests the following Name, Footage (FTP, LTP, BHL) Casing, and Drill plan changes to the original Permit as approved. SHL will remain the same. Please see attached for more details.

Original Name: ALTAMONT 7903 19-30 STATE COM 1H

New Name: ALTAMONT 7903 19-30-31 STATE COM 1H

Original FTP Location: 2540' FSL, 1980' FWL ; LAT: 32.819967, LONG: -103.395943, Section 19

Original LTP Location: 100' FSL, 1980' FWL ; LAT: 32.798691, LONG: -103.395976, Section 30

Original BHL Location: 50' FSL, 1980' FWL ; LAT: 32.798554, LONG: -103.395978, Section 30

New FTP Location: 2554' FSL, 1980' FWL ; LAT: 32.820006, LONG: -103.395944, Section 19

New LTP Location: 2550' FNL, 1980' FWL ; LAT: 32.791409, LONG: -103.395906, Section 31

New BHL Location: 2600' FNL, 1980' FWL ; LAT: 32.791272, LONG: -103.395905, Section 31

Spud Date:

6/10/2023

Rig Release Date:

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

SIGNATURE Sammy Hajar TITLE Regulatory DATE 5/10/2023

Type or print name Sammy Hajar 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
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District IV
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Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACERAGE DEDICATION PLAT

¹ API Number 30-025-51237	² Pool Code	³ Pool Name WC-025 G-09 S173615C ; UPPER PENN
⁴ Property Code	⁵ Property Name ALTAMONT 7903 19-30-31 STATE COM	⁶ Well Number 1H
⁷ OGRID No. 260297	⁸ Operator Name BTA OIL PRODUCERS, LLC	⁹ Elevation 3893'

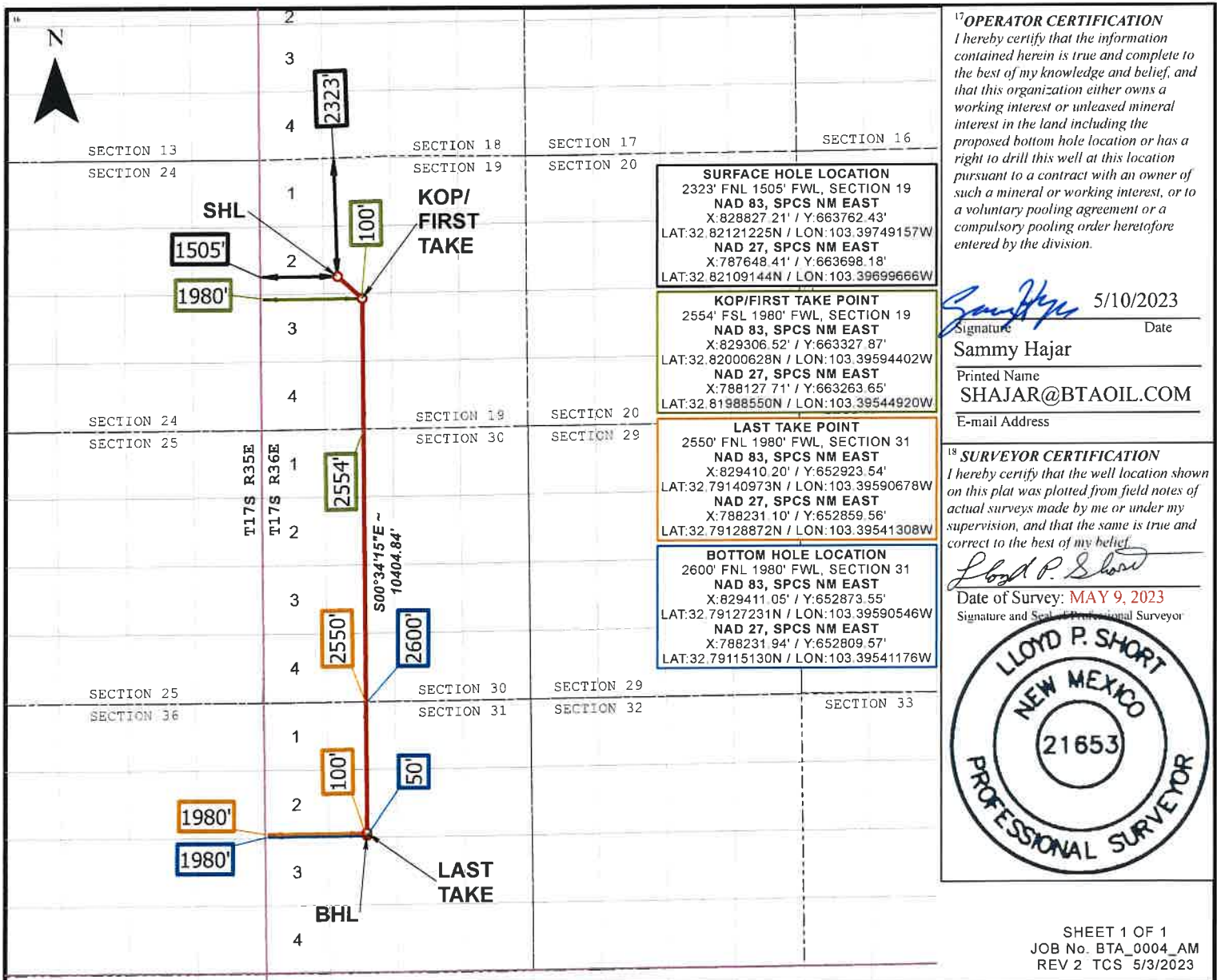
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	17S	36E		2323	North	1505	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
F	31	17S	36E		2600	North	1980	West	LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.





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

WELL: Altamont 7903 19-30-31 State Com #1H
TVD: 11678
MD: 22394

DRILLING PLAN

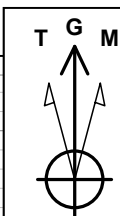
Casing Program

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	1808	0	1808	No	54.5	J-55	STC	1.4	3.5	8.7	5.2	Dry	8.3
12 1/4	9 5/8	0	4624	0	4603	No	40	J-55	LTC	1.9	1.7	3.4	2.8	Dry	10
8 3/4	7 5/8	4564	11182	4543	11151	No	29.7	P110	FJ	1.8	1.7	2.8	2.9	Dry	9.4
6 3/4	5 1/2	0	10982	11151	10951	Yes	20	P110	BTC	1.6	1.8	2.9	3.0	Dry	12
6 3/4	5	10982	22394	10951	11678	Yes	18	P110	BTC	1.8	2.0	2.8	3.0	Dry	12

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	1615	Class C	1250	1.8	13.5	2250	100%	2% CaCl ₂
	Tail		1615	1808	Class C	200	1.34	14.8	268	100%	2% CaCl ₂
9 5/8	Lead		0	3935	Class C	1310	2.18	12.7	2855.8	100%	0.5% CaCl ₂
	Tail		3935	4624	Class C	250	1.33	14.8	332.5	25%	1% CaCl ₂
7 5/8	Lead		4564	9315	25% Poz 75% Class C	200	2.99	11	598	15%	0.5% CaCl ₂
	Tail		9315	11182	Class H	200	1.19	15.6	238	15%	1% CaCl ₂
5 1/2	Lead										
	Tail		10185	11151							
5	Lead										
	Tail		10982	22394	Class H	1190	1.27	14.8	1511.3	10%	0.1% Fluid Loss

BTA Oil Producers, LLC



Azimuths to Grid N
True North: -
Magnetic North: 7
Magnetic Field
Strength: 49169.2nT
Dip Angle: 60.83°
Date: 12/31/2009
Model: IGRF200510

WELL DETAILS: Altamont #1H

+N/-S	+E/-W	Northing	Ground Level	3893.0	Latitude	Longitude
0.0	0.0	663762.43	828827.21	32° 49' 16.364 N	103° 23' 50.970 W	

SITE DETAILS: Altamont

Site Centre Northing: 663762.43
Easting: 828827.21

Positional Uncertainty: 0.0
Convergence: 0.51
Local North: Grid

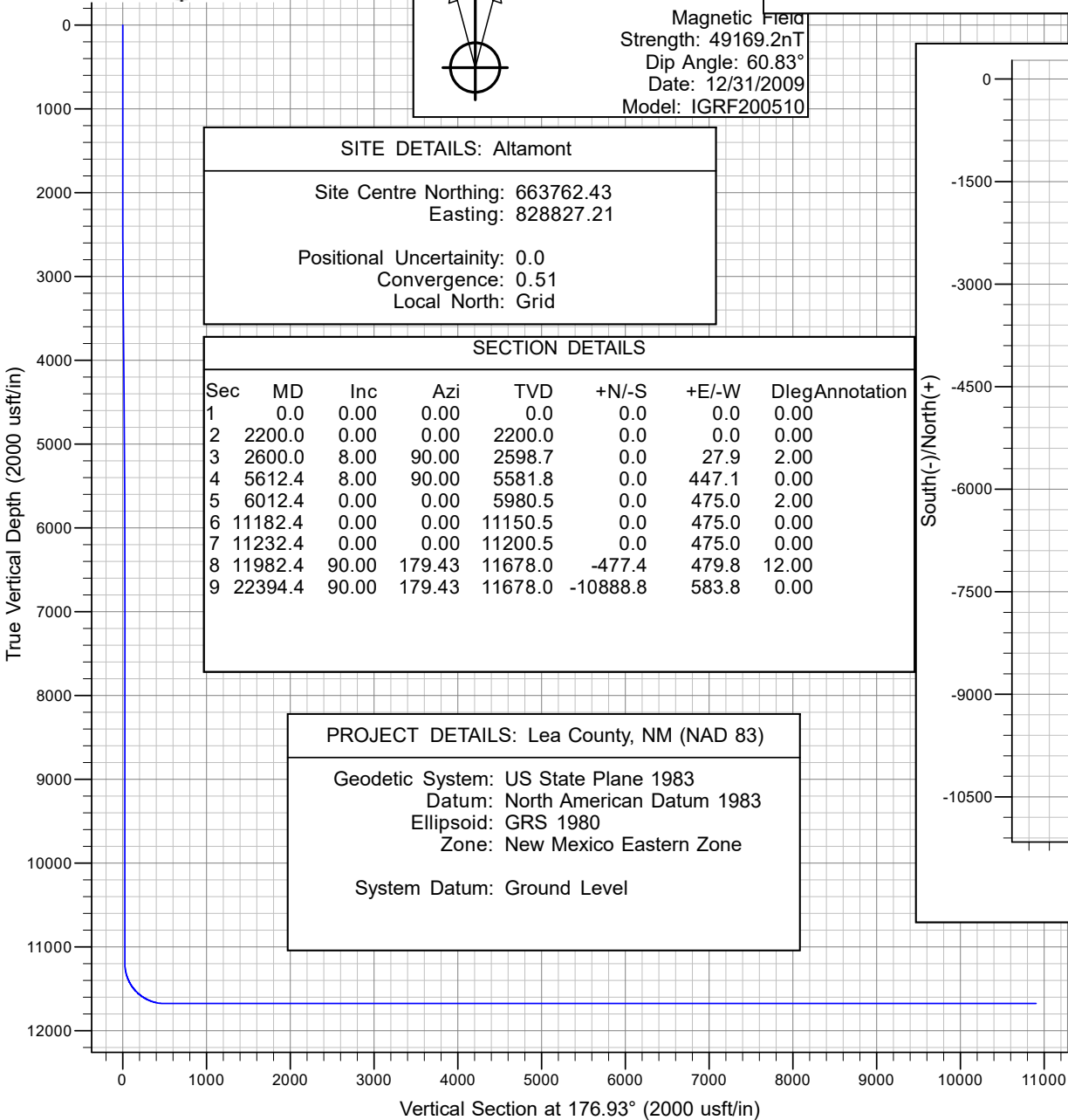
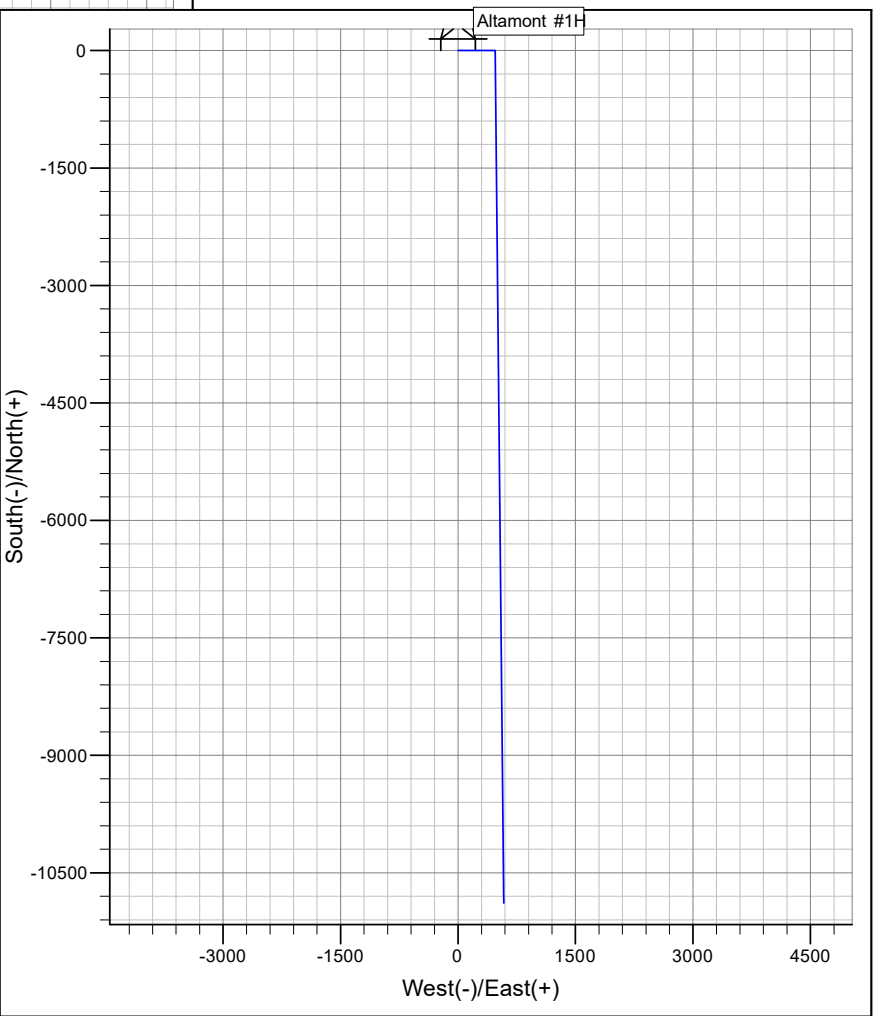
SECTION DETAILS

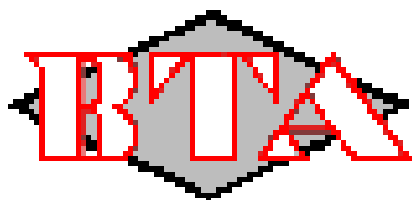
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	
2	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	
3	2600.0	8.00	90.00	2598.7	0.0	27.9	2.00	
4	5612.4	8.00	90.00	5581.8	0.0	447.1	0.00	
5	6012.4	0.00	0.00	5980.5	0.0	475.0	2.00	
6	11182.4	0.00	0.00	11150.5	0.0	475.0	0.00	
7	11232.4	0.00	0.00	11200.5	0.0	475.0	0.00	
8	11982.4	90.00	179.43	11678.0	-477.4	479.8	12.00	
9	22394.4	90.00	179.43	11678.0	-10888.8	583.8	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





BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Altamont

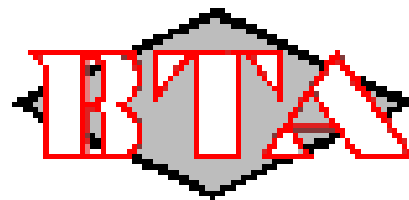
Altamont #1H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

10 May, 2023





Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Altamont #1H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3893.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3893.0usft
Site:	Altamont	North Reference:	Grid
Well:	Altamont #1H	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	Altamont		
Site Position:		Northing:	663,762.43 usft
From:	Map	Easting:	828,827.21 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 49' 16.364 N
		Longitude:	103° 23' 50.970 W

Well	Altamont #1H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.51 °	Latitude:	32° 49' 16.364 N
		Longitude:	103° 23' 50.970 W
		Ground Level:	3,893.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.71	60.83	49,169.21962348

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	176.93

Plan Survey Tool Program	Date	5/10/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,394.4 Design #1 (Wellbore #1)		



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Altamont #1H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3893.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3893.0usft
Site:	Altamont	North Reference:	Grid
Well:	Altamont #1H	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	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.0	8.00	90.00	2,598.7	0.0	27.9	2.00	2.00	0.00	90.00	
5,612.4	8.00	90.00	5,581.8	0.0	447.1	0.00	0.00	0.00	0.00	
6,012.4	0.00	0.00	5,980.5	0.0	475.0	2.00	-2.00	0.00	180.00	
11,182.4	0.00	0.00	11,150.5	0.0	475.0	0.00	0.00	0.00	0.00	
11,232.4	0.00	0.00	11,200.5	0.0	475.0	0.00	0.00	0.00	0.00	
11,982.4	90.00	179.43	11,678.0	-477.4	479.8	12.00	12.00	0.00	179.43	
22,394.4	90.00	179.43	11,678.0	-10,888.8	583.8	0.00	0.00	0.00	0.00	Altamont #1H BHL



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Altamont #1H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3893.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3893.0usft
Site:	Altamont	North Reference:	Grid
Well:	Altamont #1H	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	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
100.0	0.00	0.00	100.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
200.0	0.00	0.00	200.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
300.0	0.00	0.00	300.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
400.0	0.00	0.00	400.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
500.0	0.00	0.00	500.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
600.0	0.00	0.00	600.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
700.0	0.00	0.00	700.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
800.0	0.00	0.00	800.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
900.0	0.00	0.00	900.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	663,762.43	828,827.21	32° 49' 16.364 N	103° 23' 50.970 W
2,300.0	2.00	90.00	2,300.0	0.0	1.7	663,762.43	828,828.95	32° 49' 16.364 N	103° 23' 50.949 W
2,400.0	4.00	90.00	2,399.8	0.0	7.0	663,762.43	828,834.19	32° 49' 16.364 N	103° 23' 50.888 W
2,500.0	6.00	90.00	2,499.5	0.0	15.7	663,762.43	828,842.90	32° 49' 16.363 N	103° 23' 50.786 W
2,600.0	8.00	90.00	2,598.7	0.0	27.9	663,762.43	828,855.09	32° 49' 16.362 N	103° 23' 50.643 W
2,700.0	8.00	90.00	2,697.7	0.0	41.8	663,762.43	828,869.01	32° 49' 16.360 N	103° 23' 50.480 W
2,800.0	8.00	90.00	2,796.8	0.0	55.7	663,762.43	828,882.92	32° 49' 16.359 N	103° 23' 50.317 W
2,900.0	8.00	90.00	2,895.8	0.0	69.6	663,762.43	828,896.84	32° 49' 16.358 N	103° 23' 50.154 W
3,000.0	8.00	90.00	2,994.8	0.0	83.5	663,762.43	828,910.76	32° 49' 16.357 N	103° 23' 49.991 W
3,100.0	8.00	90.00	3,093.8	0.0	97.5	663,762.43	828,924.68	32° 49' 16.356 N	103° 23' 49.828 W
3,200.0	8.00	90.00	3,192.9	0.0	111.4	663,762.43	828,938.59	32° 49' 16.354 N	103° 23' 49.664 W
3,300.0	8.00	90.00	3,291.9	0.0	125.3	663,762.43	828,952.51	32° 49' 16.353 N	103° 23' 49.501 W
3,400.0	8.00	90.00	3,390.9	0.0	139.2	663,762.43	828,966.43	32° 49' 16.352 N	103° 23' 49.338 W
3,500.0	8.00	90.00	3,489.9	0.0	153.1	663,762.43	828,980.34	32° 49' 16.351 N	103° 23' 49.175 W
3,600.0	8.00	90.00	3,589.0	0.0	167.1	663,762.43	828,994.26	32° 49' 16.349 N	103° 23' 49.012 W
3,700.0	8.00	90.00	3,688.0	0.0	181.0	663,762.43	829,008.18	32° 49' 16.348 N	103° 23' 48.849 W
3,800.0	8.00	90.00	3,787.0	0.0	194.9	663,762.43	829,022.10	32° 49' 16.347 N	103° 23' 48.686 W
3,900.0	8.00	90.00	3,886.0	0.0	208.8	663,762.43	829,036.01	32° 49' 16.346 N	103° 23' 48.523 W
4,000.0	8.00	90.00	3,985.1	0.0	222.7	663,762.43	829,049.93	32° 49' 16.345 N	103° 23' 48.360 W
4,100.0	8.00	90.00	4,084.1	0.0	236.6	663,762.43	829,063.85	32° 49' 16.343 N	103° 23' 48.197 W
4,200.0	8.00	90.00	4,183.1	0.0	250.6	663,762.43	829,077.77	32° 49' 16.342 N	103° 23' 48.034 W
4,300.0	8.00	90.00	4,282.2	0.0	264.5	663,762.43	829,091.68	32° 49' 16.341 N	103° 23' 47.871 W
4,400.0	8.00	90.00	4,381.2	0.0	278.4	663,762.43	829,105.60	32° 49' 16.340 N	103° 23' 47.708 W
4,500.0	8.00	90.00	4,480.2	0.0	292.3	663,762.43	829,119.52	32° 49' 16.339 N	103° 23' 47.545 W
4,600.0	8.00	90.00	4,579.2	0.0	306.2	663,762.43	829,133.44	32° 49' 16.337 N	103° 23' 47.381 W
4,700.0	8.00	90.00	4,678.3	0.0	320.1	663,762.43	829,147.35	32° 49' 16.336 N	103° 23' 47.218 W
4,800.0	8.00	90.00	4,777.3	0.0	334.1	663,762.43	829,161.27	32° 49' 16.335 N	103° 23' 47.055 W
4,900.0	8.00	90.00	4,876.3	0.0	348.0	663,762.43	829,175.19	32° 49' 16.334 N	103° 23' 46.892 W
5,000.0	8.00	90.00	4,975.3	0.0	361.9	663,762.43	829,189.11	32° 49' 16.332 N	103° 23' 46.729 W
5,100.0	8.00	90.00	5,074.4	0.0	375.8	663,762.43	829,203.02	32° 49' 16.331 N	103° 23' 46.566 W
5,200.0	8.00	90.00	5,173.4	0.0	389.7	663,762.43	829,216.94	32° 49' 16.330 N	103° 23' 46.403 W
5,300.0	8.00	90.00	5,272.4	0.0	403.6	663,762.43	829,230.86	32° 49' 16.329 N	103° 23' 46.240 W
5,400.0	8.00	90.00	5,371.5	0.0	417.6	663,762.43	829,244.77	32° 49' 16.328 N	103° 23' 46.077 W



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Altamont #1H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3893.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3893.0usft
Site:	Altamont	North Reference:	Grid
Well:	Altamont #1H	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	90.00	5,470.5	0.0	431.5	663,762.43	829,258.69	32° 49' 16.326 N	103° 23' 45.914 W	
5,600.0	8.00	90.00	5,569.5	0.0	445.4	663,762.43	829,272.61	32° 49' 16.325 N	103° 23' 45.751 W	
5,612.4	8.00	90.00	5,581.8	0.0	447.1	663,762.43	829,274.33	32° 49' 16.325 N	103° 23' 45.731 W	
5,700.0	6.25	90.00	5,668.7	0.0	458.0	663,762.43	829,285.20	32° 49' 16.324 N	103° 23' 45.603 W	
5,800.0	4.25	90.00	5,768.3	0.0	467.1	663,762.43	829,294.34	32° 49' 16.323 N	103° 23' 45.496 W	
5,900.0	2.25	90.00	5,868.1	0.0	472.8	663,762.43	829,300.01	32° 49' 16.323 N	103° 23' 45.430 W	
6,000.0	0.25	90.00	5,968.1	0.0	475.0	663,762.43	829,302.18	32° 49' 16.322 N	103° 23' 45.404 W	
6,012.4	0.00	0.00	5,980.5	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,100.0	0.00	0.00	6,068.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,200.0	0.00	0.00	6,168.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,300.0	0.00	0.00	6,268.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,400.0	0.00	0.00	6,368.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,500.0	0.00	0.00	6,468.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,600.0	0.00	0.00	6,568.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,700.0	0.00	0.00	6,668.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,800.0	0.00	0.00	6,768.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
6,900.0	0.00	0.00	6,868.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,000.0	0.00	0.00	6,968.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,100.0	0.00	0.00	7,068.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,200.0	0.00	0.00	7,168.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,300.0	0.00	0.00	7,268.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,400.0	0.00	0.00	7,368.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,500.0	0.00	0.00	7,468.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,600.0	0.00	0.00	7,568.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,700.0	0.00	0.00	7,668.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,800.0	0.00	0.00	7,768.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
7,900.0	0.00	0.00	7,868.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,000.0	0.00	0.00	7,968.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,100.0	0.00	0.00	8,068.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,200.0	0.00	0.00	8,168.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,300.0	0.00	0.00	8,268.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,400.0	0.00	0.00	8,368.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,500.0	0.00	0.00	8,468.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,600.0	0.00	0.00	8,568.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,700.0	0.00	0.00	8,668.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,800.0	0.00	0.00	8,768.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
8,900.0	0.00	0.00	8,868.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,000.0	0.00	0.00	8,968.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,100.0	0.00	0.00	9,068.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,200.0	0.00	0.00	9,168.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,300.0	0.00	0.00	9,268.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,400.0	0.00	0.00	9,368.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,500.0	0.00	0.00	9,468.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,600.0	0.00	0.00	9,568.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,700.0	0.00	0.00	9,668.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,800.0	0.00	0.00	9,768.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
9,900.0	0.00	0.00	9,868.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,000.0	0.00	0.00	9,968.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,100.0	0.00	0.00	10,068.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,200.0	0.00	0.00	10,168.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,300.0	0.00	0.00	10,268.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,400.0	0.00	0.00	10,368.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,500.0	0.00	0.00	10,468.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,600.0	0.00	0.00	10,568.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,700.0	0.00	0.00	10,668.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Altamont #1H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3893.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3893.0usft
Site:	Altamont	North Reference:	Grid
Well:	Altamont #1H	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	
10,800.0	0.00	0.00	10,768.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
10,900.0	0.00	0.00	10,868.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
11,000.0	0.00	0.00	10,968.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
11,100.0	0.00	0.00	11,068.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
11,182.4	0.00	0.00	11,150.5	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
11,200.0	0.00	0.00	11,168.1	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
11,232.4	0.00	0.00	11,200.5	0.0	475.0	663,762.43	829,302.21	32° 49' 16.322 N	103° 23' 45.404 W	
11,300.0	8.11	179.43	11,267.9	-4.8	475.0	663,757.66	829,302.26	32° 49' 16.275 N	103° 23' 45.404 W	
11,400.0	20.11	179.43	11,364.7	-29.1	475.3	663,733.34	829,302.50	32° 49' 16.035 N	103° 23' 45.403 W	
11,500.0	32.11	179.43	11,454.3	-73.0	475.7	663,689.42	829,302.94	32° 49' 15.600 N	103° 23' 45.403 W	
11,600.0	44.11	179.43	11,532.8	-134.6	476.3	663,627.82	829,303.56	32° 49' 14.991 N	103° 23' 45.402 W	
11,700.0	56.11	179.43	11,596.9	-211.2	477.1	663,551.24	829,304.32	32° 49' 14.233 N	103° 23' 45.401 W	
11,800.0	68.11	179.43	11,643.6	-299.4	478.0	663,463.02	829,305.20	32° 49' 13.360 N	103° 23' 45.400 W	
11,900.0	80.11	179.43	11,670.9	-395.4	479.0	663,367.03	829,306.16	32° 49' 12.410 N	103° 23' 45.399 W	
11,982.4	90.00	179.43	11,678.0	-477.4	479.8	663,284.99	829,306.98	32° 49' 11.598 N	103° 23' 45.398 W	
12,000.0	90.00	179.43	11,678.0	-495.0	479.9	663,267.44	829,307.16	32° 49' 11.425 N	103° 23' 45.397 W	
12,100.0	90.00	179.43	11,678.0	-595.0	480.9	663,167.45	829,308.16	32° 49' 10.435 N	103° 23' 45.396 W	
12,200.0	90.00	179.43	11,678.0	-695.0	481.9	663,067.45	829,309.16	32° 49' 9.446 N	103° 23' 45.395 W	
12,300.0	90.00	179.43	11,678.0	-795.0	482.9	662,967.45	829,310.16	32° 49' 8.456 N	103° 23' 45.393 W	
12,400.0	90.00	179.43	11,678.0	-895.0	483.9	662,867.46	829,311.16	32° 49' 7.467 N	103° 23' 45.392 W	
12,500.0	90.00	179.43	11,678.0	-995.0	484.9	662,767.46	829,312.16	32° 49' 6.478 N	103° 23' 45.391 W	
12,600.0	90.00	179.43	11,678.0	-1,095.0	485.9	662,667.47	829,313.15	32° 49' 5.488 N	103° 23' 45.389 W	
12,700.0	90.00	179.43	11,678.0	-1,195.0	486.9	662,567.47	829,314.15	32° 49' 4.499 N	103° 23' 45.388 W	
12,800.0	90.00	179.43	11,678.0	-1,295.0	487.9	662,467.48	829,315.15	32° 49' 3.509 N	103° 23' 45.387 W	
12,900.0	90.00	179.43	11,678.0	-1,394.9	488.9	662,367.48	829,316.15	32° 49' 2.520 N	103° 23' 45.385 W	
13,000.0	90.00	179.43	11,678.0	-1,494.9	489.9	662,267.49	829,317.15	32° 49' 1.530 N	103° 23' 45.384 W	
13,100.0	90.00	179.43	11,678.0	-1,594.9	490.9	662,167.49	829,318.15	32° 49' 0.541 N	103° 23' 45.383 W	
13,200.0	90.00	179.43	11,678.0	-1,694.9	491.9	662,067.50	829,319.15	32° 48' 59.552 N	103° 23' 45.381 W	
13,300.0	90.00	179.43	11,678.0	-1,794.9	492.9	661,967.50	829,320.15	32° 48' 58.562 N	103° 23' 45.380 W	
13,400.0	90.00	179.43	11,678.0	-1,894.9	493.9	661,867.51	829,321.15	32° 48' 57.573 N	103° 23' 45.379 W	
13,500.0	90.00	179.43	11,678.0	-1,994.9	494.9	661,767.51	829,322.15	32° 48' 56.583 N	103° 23' 45.377 W	
13,600.0	90.00	179.43	11,678.0	-2,094.9	495.9	661,667.51	829,323.15	32° 48' 55.594 N	103° 23' 45.376 W	
13,700.0	90.00	179.43	11,678.0	-2,194.9	496.9	661,567.52	829,324.15	32° 48' 54.605 N	103° 23' 45.375 W	
13,800.0	90.00	179.43	11,678.0	-2,294.9	497.9	661,467.52	829,325.15	32° 48' 53.615 N	103° 23' 45.374 W	
13,900.0	90.00	179.43	11,678.0	-2,394.9	498.9	661,367.53	829,326.15	32° 48' 52.626 N	103° 23' 45.372 W	
14,000.0	90.00	179.43	11,678.0	-2,494.9	499.9	661,267.53	829,327.15	32° 48' 51.636 N	103° 23' 45.371 W	
14,100.0	90.00	179.43	11,678.0	-2,594.9	500.9	661,167.54	829,328.15	32° 48' 50.647 N	103° 23' 45.370 W	
14,200.0	90.00	179.43	11,678.0	-2,694.9	501.9	661,067.54	829,329.15	32° 48' 49.657 N	103° 23' 45.368 W	
14,300.0	90.00	179.43	11,678.0	-2,794.9	502.9	660,967.55	829,330.15	32° 48' 48.668 N	103° 23' 45.367 W	
14,400.0	90.00	179.43	11,678.0	-2,894.9	503.9	660,867.55	829,331.15	32° 48' 47.679 N	103° 23' 45.366 W	
14,500.0	90.00	179.43	11,678.0	-2,994.9	504.9	660,767.56	829,332.15	32° 48' 46.689 N	103° 23' 45.364 W	
14,600.0	90.00	179.43	11,678.0	-3,094.9	505.9	660,667.56	829,333.14	32° 48' 45.700 N	103° 23' 45.363 W	
14,700.0	90.00	179.43	11,678.0	-3,194.9	506.9	660,567.57	829,334.14	32° 48' 44.710 N	103° 23' 45.362 W	
14,800.0	90.00	179.43	11,678.0	-3,294.9	507.9	660,467.57	829,335.14	32° 48' 43.721 N	103° 23' 45.360 W	
14,900.0	90.00	179.43	11,678.0	-3,394.8	508.9	660,367.57	829,336.14	32° 48' 42.731 N	103° 23' 45.359 W	
15,000.0	90.00	179.43	11,678.0	-3,494.8	509.9	660,267.58	829,337.14	32° 48' 41.742 N	103° 23' 45.358 W	
15,100.0	90.00	179.43	11,678.0	-3,594.8	510.9	660,167.58	829,338.14	32° 48' 40.753 N	103° 23' 45.356 W	
15,200.0	90.00	179.43	11,678.0	-3,694.8	511.9	660,067.59	829,339.14	32° 48' 39.763 N	103° 23' 45.355 W	
15,300.0	90.00	179.43	11,678.0	-3,794.8	512.9	659,967.59	829,340.14	32° 48' 38.774 N	103° 23' 45.354 W	
15,400.0	90.00	179.43	11,678.0	-3,894.8	513.9	659,867.60	829,341.14	32° 48' 37.784 N	103° 23' 45.352 W	
15,500.0	90.00	179.43	11,678.0	-3,994.8	514.9	659,767.60	829,342.14	32° 48' 36.795 N	103° 23' 45.351 W	
15,600.0	90.00	179.43	11,678.0	-4,094.8	515.9	659,667.61	829,343.14	32° 48' 35.805 N	103° 23' 45.350 W	
15,700.0	90.00	179.43	11,678.0	-4,194.8	516.9	659,567.61	829,344.14	32° 48' 34.816 N	103° 23' 45.348 W	
15,800.0	90.00	179.43	11,678.0	-4,294.8	517.9	659,467.62	829,345.14	32° 48' 33.827 N	103° 23' 45.347 W	
15,900.0	90.00	179.43	11,678.0	-4,394.8	518.9	659,367.62	829,346.14	32° 48' 32.837 N	103° 23' 45.346 W	



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Site:	Altamont	North Reference:	Grid
Well:	Altamont #1H	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	179.43	11,678.0	-4,494.8	519.9	659,267.63	829,347.14	32° 48' 31.848 N	103° 23' 45.344 W	
16,100.0	90.00	179.43	11,678.0	-4,594.8	520.9	659,167.63	829,348.14	32° 48' 30.858 N	103° 23' 45.343 W	
16,200.0	90.00	179.43	11,678.0	-4,694.8	521.9	659,067.64	829,349.14	32° 48' 29.869 N	103° 23' 45.342 W	
16,300.0	90.00	179.43	11,678.0	-4,794.8	522.9	658,967.64	829,350.14	32° 48' 28.880 N	103° 23' 45.340 W	
16,400.0	90.00	179.43	11,678.0	-4,894.8	523.9	658,867.64	829,351.14	32° 48' 27.890 N	103° 23' 45.339 W	
16,500.0	90.00	179.43	11,678.0	-4,994.8	524.9	658,767.65	829,352.13	32° 48' 26.901 N	103° 23' 45.338 W	
16,600.0	90.00	179.43	11,678.0	-5,094.8	525.9	658,667.65	829,353.13	32° 48' 25.911 N	103° 23' 45.336 W	
16,700.0	90.00	179.43	11,678.0	-5,194.8	526.9	658,567.66	829,354.13	32° 48' 24.922 N	103° 23' 45.335 W	
16,800.0	90.00	179.43	11,678.0	-5,294.8	527.9	658,467.66	829,355.13	32° 48' 23.932 N	103° 23' 45.334 W	
16,900.0	90.00	179.43	11,678.0	-5,394.7	528.9	658,367.67	829,356.13	32° 48' 22.943 N	103° 23' 45.333 W	
17,000.0	90.00	179.43	11,678.0	-5,494.7	529.9	658,267.67	829,357.13	32° 48' 21.954 N	103° 23' 45.331 W	
17,100.0	90.00	179.43	11,678.0	-5,594.7	530.9	658,167.68	829,358.13	32° 48' 20.964 N	103° 23' 45.330 W	
17,200.0	90.00	179.43	11,678.0	-5,694.7	531.9	658,067.68	829,359.13	32° 48' 19.975 N	103° 23' 45.329 W	
17,300.0	90.00	179.43	11,678.0	-5,794.7	532.9	657,967.69	829,360.13	32° 48' 18.985 N	103° 23' 45.327 W	
17,400.0	90.00	179.43	11,678.0	-5,894.7	533.9	657,867.69	829,361.13	32° 48' 17.996 N	103° 23' 45.326 W	
17,500.0	90.00	179.43	11,678.0	-5,994.7	534.9	657,767.70	829,362.13	32° 48' 17.006 N	103° 23' 45.325 W	
17,600.0	90.00	179.43	11,678.0	-6,094.7	535.9	657,667.70	829,363.13	32° 48' 16.017 N	103° 23' 45.323 W	
17,700.0	90.00	179.43	11,678.0	-6,194.7	536.9	657,567.70	829,364.13	32° 48' 15.028 N	103° 23' 45.322 W	
17,800.0	90.00	179.43	11,678.0	-6,294.7	537.9	657,467.71	829,365.13	32° 48' 14.038 N	103° 23' 45.321 W	
17,900.0	90.00	179.43	11,678.0	-6,394.7	538.9	657,367.71	829,366.13	32° 48' 13.049 N	103° 23' 45.319 W	
18,000.0	90.00	179.43	11,678.0	-6,494.7	539.9	657,267.72	829,367.13	32° 48' 12.059 N	103° 23' 45.318 W	
18,100.0	90.00	179.43	11,678.0	-6,594.7	540.9	657,167.72	829,368.13	32° 48' 11.070 N	103° 23' 45.317 W	
18,200.0	90.00	179.43	11,678.0	-6,694.7	541.9	657,067.73	829,369.13	32° 48' 10.080 N	103° 23' 45.315 W	
18,300.0	90.00	179.43	11,678.0	-6,794.7	542.9	656,967.73	829,370.13	32° 48' 9.091 N	103° 23' 45.314 W	
18,400.0	90.00	179.43	11,678.0	-6,894.7	543.9	656,867.74	829,371.13	32° 48' 8.102 N	103° 23' 45.313 W	
18,500.0	90.00	179.43	11,678.0	-6,994.7	544.9	656,767.74	829,372.12	32° 48' 7.112 N	103° 23' 45.311 W	
18,600.0	90.00	179.43	11,678.0	-7,094.7	545.9	656,667.75	829,373.12	32° 48' 6.123 N	103° 23' 45.310 W	
18,700.0	90.00	179.43	11,678.0	-7,194.7	546.9	656,567.75	829,374.12	32° 48' 5.133 N	103° 23' 45.309 W	
18,800.0	90.00	179.43	11,678.0	-7,294.7	547.9	656,467.76	829,375.12	32° 48' 4.144 N	103° 23' 45.307 W	
18,900.0	90.00	179.43	11,678.0	-7,394.6	548.9	656,367.76	829,376.12	32° 48' 3.154 N	103° 23' 45.306 W	
19,000.0	90.00	179.43	11,678.0	-7,494.6	549.9	656,267.76	829,377.12	32° 48' 2.165 N	103° 23' 45.305 W	
19,100.0	90.00	179.43	11,678.0	-7,594.6	550.9	656,167.77	829,378.12	32° 48' 1.176 N	103° 23' 45.303 W	
19,200.0	90.00	179.43	11,678.0	-7,694.6	551.9	656,067.77	829,379.12	32° 48' 0.186 N	103° 23' 45.302 W	
19,300.0	90.00	179.43	11,678.0	-7,794.6	552.9	655,967.78	829,380.12	32° 47' 59.197 N	103° 23' 45.301 W	
19,400.0	90.00	179.43	11,678.0	-7,894.6	553.9	655,867.78	829,381.12	32° 47' 58.207 N	103° 23' 45.299 W	
19,500.0	90.00	179.43	11,678.0	-7,994.6	554.9	655,767.79	829,382.12	32° 47' 57.218 N	103° 23' 45.298 W	
19,600.0	90.00	179.43	11,678.0	-8,094.6	555.9	655,667.79	829,383.12	32° 47' 56.229 N	103° 23' 45.297 W	
19,700.0	90.00	179.43	11,678.0	-8,194.6	556.9	655,567.80	829,384.12	32° 47' 55.239 N	103° 23' 45.295 W	
19,800.0	90.00	179.43	11,678.0	-8,294.6	557.9	655,467.80	829,385.12	32° 47' 54.250 N	103° 23' 45.294 W	
19,900.0	90.00	179.43	11,678.0	-8,394.6	558.9	655,367.81	829,386.12	32° 47' 53.260 N	103° 23' 45.293 W	
20,000.0	90.00	179.43	11,678.0	-8,494.6	559.9	655,267.81	829,387.12	32° 47' 52.271 N	103° 23' 45.291 W	
20,100.0	90.00	179.43	11,678.0	-8,594.6	560.9	655,167.82	829,388.12	32° 47' 51.281 N	103° 23' 45.290 W	
20,200.0	90.00	179.43	11,678.0	-8,694.6	561.9	655,067.82	829,389.12	32° 47' 50.292 N	103° 23' 45.289 W	
20,300.0	90.00	179.43	11,678.0	-8,794.6	562.9	654,967.82	829,390.12	32° 47' 49.303 N	103° 23' 45.287 W	
20,400.0	90.00	179.43	11,678.0	-8,894.6	563.9	654,867.83	829,391.12	32° 47' 48.313 N	103° 23' 45.286 W	
20,500.0	90.00	179.43	11,678.0	-8,994.6	564.9	654,767.83	829,392.11	32° 47' 47.324 N	103° 23' 45.285 W	
20,600.0	90.00	179.43	11,678.0	-9,094.6	565.9	654,667.84	829,393.11	32° 47' 46.334 N	103° 23' 45.283 W	
20,700.0	90.00	179.43	11,678.0	-9,194.6	566.9	654,567.84	829,394.11	32° 47' 45.345 N	103° 23' 45.282 W	
20,800.0	90.00	179.43	11,678.0	-9,294.6	567.9	654,467.85	829,395.11	32° 47' 44.355 N	103° 23' 45.281 W	
20,900.0	90.00	179.43	11,678.0	-9,394.5	568.9	654,367.85	829,396.11	32° 47' 43.366 N	103° 23' 45.279 W	
21,000.0	90.00	179.43	11,678.0	-9,494.5	569.9	654,267.86	829,397.11	32° 47' 42.377 N	103° 23' 45.278 W	
21,100.0	90.00	179.43	11,678.0	-9,594.5	570.9	654,167.86	829,398.11	32° 47' 41.387 N	103° 23' 45.277 W	
21,200.0	90.00	179.43	11,678.0	-9,694.5	571.9	654,067.87	829,399.11	32° 47' 40.398 N	103° 23' 45.276 W	
21,300.0	90.00	179.43	11,678.0	-9,794.5	572.9	653,967.87	829,400.11	32° 47' 39.408 N	103° 23' 45.274 W	
21,400.0	90.00	179.43	11,678.0	-9,894.5	573.9	653,867.88	829,401.11	32° 47' 38.419 N	103° 23' 45.273 W	



Microsoft
Planning Report - Geographic



Database:	EDM16	Local Co-ordinate Reference:	Well Altamont #1H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3893.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3893.0usft
Site:	Altamont	North Reference:	Grid
Well:	Altamont #1H	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	
21,500.0	90.00	179.43	11,678.0	-9,994.5	574.9	653,767.88	829,402.11	32° 47' 37.429 N	103° 23' 45.272 W	
21,600.0	90.00	179.43	11,678.0	-10,094.5	575.9	653,667.88	829,403.11	32° 47' 36.440 N	103° 23' 45.270 W	
21,700.0	90.00	179.43	11,678.0	-10,194.5	576.9	653,567.89	829,404.11	32° 47' 35.451 N	103° 23' 45.269 W	
21,800.0	90.00	179.43	11,678.0	-10,294.5	577.9	653,467.89	829,405.11	32° 47' 34.461 N	103° 23' 45.268 W	
21,900.0	90.00	179.43	11,678.0	-10,394.5	578.9	653,367.90	829,406.11	32° 47' 33.472 N	103° 23' 45.266 W	
22,000.0	90.00	179.43	11,678.0	-10,494.5	579.9	653,267.90	829,407.11	32° 47' 32.482 N	103° 23' 45.265 W	
22,100.0	90.00	179.43	11,678.0	-10,594.5	580.9	653,167.91	829,408.11	32° 47' 31.493 N	103° 23' 45.264 W	
22,200.0	90.00	179.43	11,678.0	-10,694.5	581.9	653,067.91	829,409.11	32° 47' 30.503 N	103° 23' 45.262 W	
22,300.0	90.00	179.43	11,678.0	-10,794.5	582.9	652,967.92	829,410.11	32° 47' 29.514 N	103° 23' 45.261 W	
22,394.4	90.00	179.43	11,678.0	-10,888.8	583.8	652,873.55	829,411.05	32° 47' 28.580 N	103° 23' 45.260 W	

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	
Altamont #1H BHL - plan hits target center - Point	0.00	0.00	11,678.0	-10,888.8	583.8	652,873.55	829,411.05	32° 47' 28.580 N	103° 23' 45.260 W	

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 215572

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 215572
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	5/30/2023