

Well Name: MESA 8105 1-12 FEDERAL	Well Location: T26S / R32E / SEC 1 / NENW /	County or Parish/State:
Well Number: 55H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM014492	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548959	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Notice of Intent

Sundry ID: 2644045

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 11/11/2021	Time Sundry Submitted: 03:56
Date proposed operation will begin: 12/31/2021	

Procedure Description: BTA Oil Producers, LLC respectfully requests the following SHL Footage, Casing, and Drill plan changes to the original APD as approved. Please see attached for more details. Original SHL Location 670 FNL , 1494 FWL , LAT 32.077906 , LONG -103.632474 New SHL Location 470 FNL , 1470 FWL , LAT 32.078475 , LONG - 103.632553

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- MESA_8105_1_12_FED_54H__55H__70H__71H_WELL_PAD_PLAT_20211111155518.pdf
- Mesa_55H_c102___signed_20211111155518.pdf
- Mesa_8105_1_12_FED_55H_Drill_Plans_20211111155518.pdf
- Mesa_55H_Wall_plot_20211111155504.pdf
- Mesa_55H_directional_plan_20211111155504.pdf

Well Name: MESA 8105 1-12 FEDERAL	Well Location: T26S / R32E / SEC 1 / NENW /	County or Parish/State:
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US Well Number: 3002548959	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: SAMMY HAJAR	Signed on: NOV 11, 2021 03:55 PM
Name: BTA OIL PRODUCERS LLC	
Title: Regulatory Analyst	
Street Address: 104 S. Pecos	
City: Midland	State: TX
Phone: (432) 682-3753	
Email address: shajar@btaoil.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Cody Layton	BLM POC Title: Assistant Field Manager Lands & Minerals
BLM POC Phone: 5752345959	BLM POC Email Address: clayton@blm.gov
Disposition: Approved	Disposition Date: 11/22/2021
Signature: Cody R. Layton	

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48959	² Pool Code 98158	³ Pool Name WC-025 ; Wolfcamp
⁴ Property Code 327174	⁵ Property Name MESA 8105 1-12 FED	⁶ Well Number 55H
⁷ GRID No. 260297	⁸ Operator Name BTA OIL PRODUCERS, LLC	⁹ Elevation 3350'

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
C	1	26S	32E		470	NORTH	1470	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
N	12	26S	32E		50	SOUTH	1650	WEST	LEA

¹² Dedicated Acres 320	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.

	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. Signature: <i>Sammy Hajar</i> Date: 11/11/2021 Printed Name: SHAJAR@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. SEPTEMBER 17, 2021 Date of Survey Signature and Seal of Professional Surveyor: <i>David W. Myers</i> Certificate Number: DAVID W. MYERS 11403
	SURFACE HOLE LOCATION 470' FNL 1470' FWL, SECTION 1 NAD 83, SPCS NM EAST X: 758388.14' / Y: 392991.64' LAT: 32.07847576N / LON: 103.63255316W NAD 27, SPCS NM EAST X: 717201.57' / Y: 392934.10' LAT: 32.07835091N / LON: 103.63208182W FIRST TAKE POINT 100' FNL 1650' FWL, SECTION 1 NAD 83, SPCS NM EAST X: 758558.62' / Y: 393362.93' LAT: 32.07949329N / LON: 103.63199498W NAD 27, SPCS NM EAST X: 717372.06' / Y: 393305.38' LAT: 32.07936845N / LON: 103.63152360W LAST TAKE POINT 100' FSL 1650' FWL, SECTION 12 NAD 83, SPCS NM EAST X: 758726.84' / Y: 382855.77' LAT: 32.05060854N / LON: 103.63167244W NAD 27, SPCS NM EAST X: 717539.81' / Y: 382798.49' LAT: 32.05048348N / LON: 103.63120272W BOTTOM HOLE LOCATION 50' FSL 1650' FWL, SECTION 12 NAD 83, SPCS NM EAST X: 758727.07' / Y: 382805.77' LAT: 32.05047108N / LON: 103.63167276W NAD 27, SPCS NM EAST X: 717540.04' / Y: 382748.48' LAT: 32.05034603N / LON: 103.63120305W
	SHEET 1 OF 1 JOB No. R4168_003 REV 4 DEF 9/17/2021

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99981493 Convergence Angle: 00°23'48.779988"

☐ Horizontal Spacing Unit



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

WELL: Mesa 8105 Fed #55H
TVD: 12233
MD: 22698

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)
14 3/4	10 3/4	0	750	0	750	No	40.5	J-55	STC	4.9	9.7	20.7	13.8	Dry	8.3
9 7/8	7 5/8	0	8033	0	8000	yes	29.7	P110	Buttress	1.4	2.4	3.9	4.0	Dry	9.4
8 3/4	7 5/8	8033	11738	8000	11706	yes	29.7	P110	FJ	1.7	1.7	2.7	2.8	Dry	9.4
6 3/4	5 1/2	0	11538	0	11506	Yes	20	P110	Buttress	1.3	1.5	2.8	2.9	Dry	14
6 3/4	5	11538	22698	11506	12233	Yes	18	P110	Buttress	1.3	1.4	1.4	1.5	Dry	14

*7 5/8" has DV Tool @ 4803'

Dv Tool Depth 4803

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
10 3/4	Lead		0	505	Class C	315	1.8	13.5	567	100%	2% CaCl2
	Tail		505	750	Class C	200	1.34	14.8	268	100%	2% CaCl2
7 5/8	Stg 2 Lead		0	4380	Class C	705	2.19	12.7	1543.95	50%	0.5% CaCl2
	Stg 2 Tail		4380	4803	Class C	150	1.33	14.8	199.5	50%	1% CaCl2
	Stg 1 Lead		4803	8185	Class H	345	2.64	10.5	910.8	25%	0.5% CaCl2
	Stg 1 Tail		8185	11738	Class H	400	1.19	15.6	476	25%	1% CaCl2
5 1/2	Lead										
	Tail		10740	11538							
5	Lead										
	Tail		11538	22698	Class H	1165	1.27	14.8	1479.55	10%	0.1% Fluid Loss

BOP/CHOKE

Testing BOP break when we don't penetrate WC

5M Annular on 10M BOPE

Pressure Rating: 10M

Rating Depth: 14000

Requesting Variance?

Choke Hose

Multi Bowl Wellhead

Pressure

Anticipated Bottom Hole Pressure: 8,906 psi

Anticipated Bottom Hole Temperature: 179 °F

Anticipated abnormal pressures, temperatures, or potential geologic hazards? None

Anticipated Bottom Surface Pressure: 6,214 psi

Hydrogen sulfide drilling operations plan required? Yes

Circulating Medium Table			
Depth (TVD)		Type	Weight (ppg)
From	To		
0	750	FW Spud	8.3 – 8.4
750	11738	DBE	9.0 – 9.4
11738	12233	OBM	11.0 – 14.0

BTA Oil Producers, LLC

T

G

M



Azimuths to Grid North

True North: -0.37°

Magnetic North: 7.39°

Magnetic Field

Strength: 48699.4nT

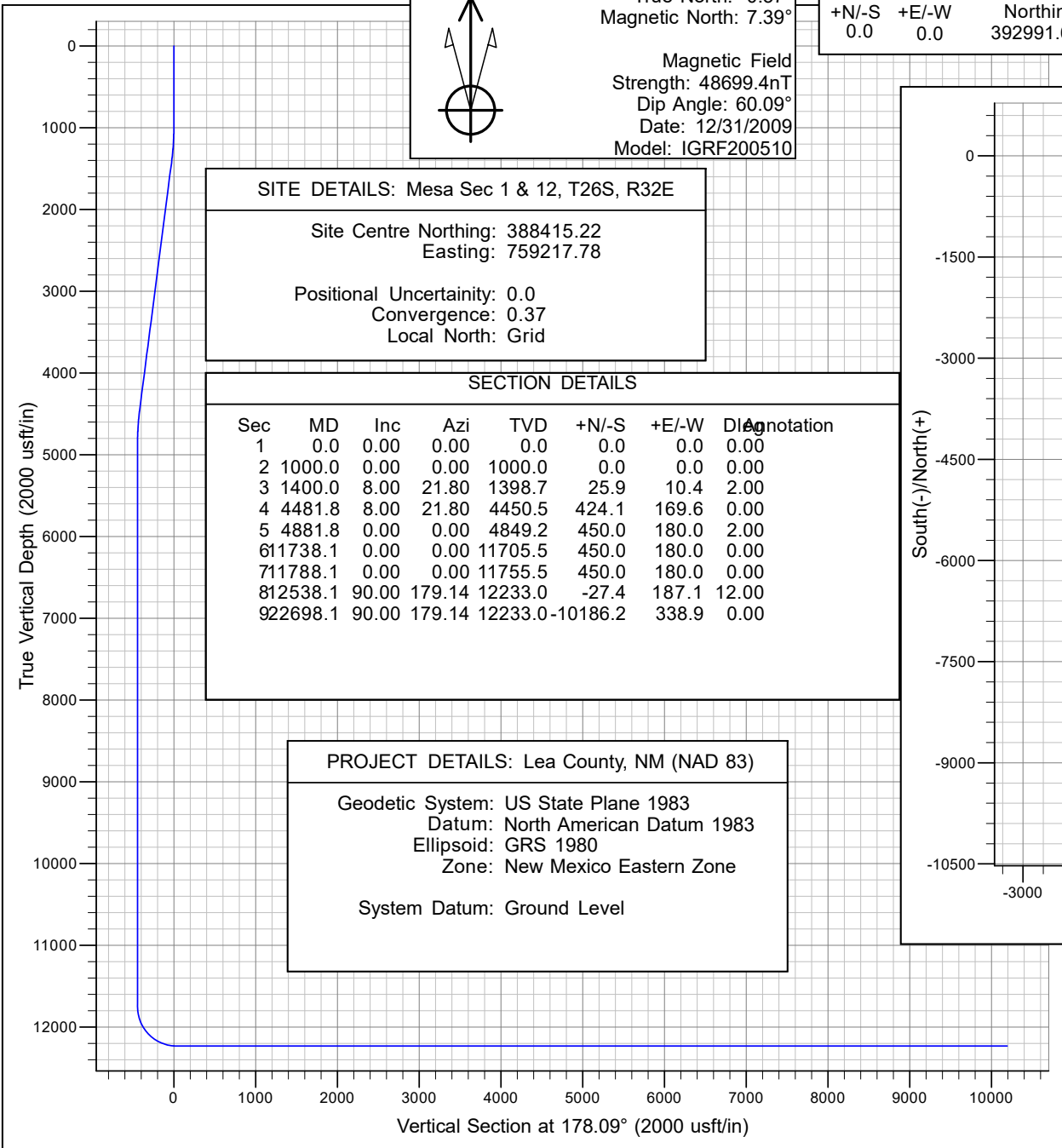
Dip Angle: 60.09°

Date: 12/31/2009

Model: IGRF200510

WELL DETAILS: Mesa #55H

+N/-S	+E/-W	Northing	Ground Level Easting	3350.0 Latitude	Longitude
0.0	0.0	392991.64	758388.14	32° 4' 42.513 N	103° 37' 57.191 W



SITE DETAILS: Mesa Sec 1 & 12, T26S, R32E

Site Centre Northing: 388415.22
Easting: 759217.78

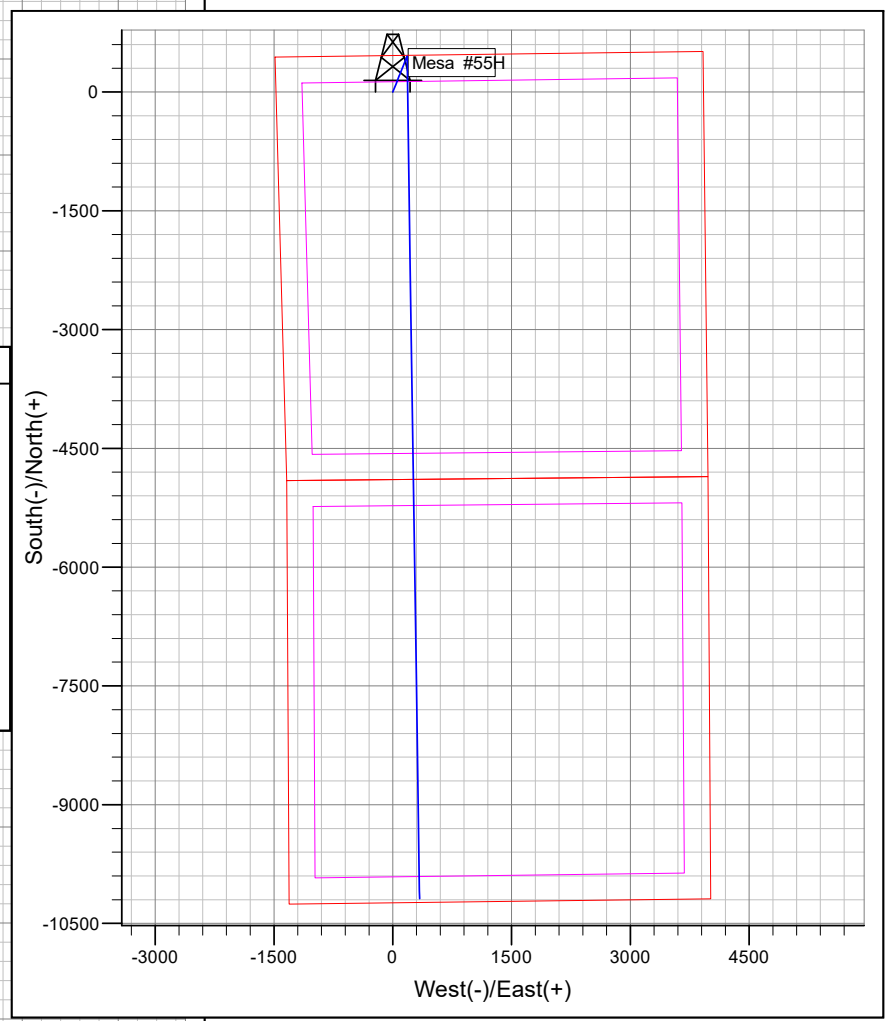
Positional Uncertainty: 0.0
Convergence: 0.37
Local North: Grid

SECTION DETAILS							
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diagnotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00
3	1400.0	8.00	21.80	1398.7	25.9	10.4	2.00
4	4481.8	8.00	21.80	4450.5	424.1	169.6	0.00
5	4881.8	0.00	0.00	4849.2	450.0	180.0	2.00
6	11738.1	0.00	0.00	11705.5	450.0	180.0	0.00
7	11788.1	0.00	0.00	11755.5	450.0	180.0	0.00
8	12538.1	90.00	179.14	12233.0	-27.4	187.1	12.00
9	22698.1	90.00	179.14	12233.0	-10186.2	338.9	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)

Mesa Sec 1 & 12, T26S, R32E

Mesa #55H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

11 November, 2021

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Mesa #55H
Company:	BTA Oil Producers, LLC	TVD Reference:	WELL @ 3351.0usft (Original Well Elev)
Project:	Lea County, NM (NAD 83)	MD Reference:	WELL @ 3351.0usft (Original Well Elev)
Site:	Mesa Sec 1 & 12, T26S, R32E	North Reference:	Grid
Well:	Mesa #55H	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	Mesa Sec 1 & 12, T26S, R32E		
Site Position:		Northing:	388,415.22 usft
From:	Map	Easting:	759,217.78 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 57.173 N
		Longitude:	103° 37' 47.896 W

Well	Mesa #55H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.37 °	Latitude:	32° 4' 42.513 N
		Longitude:	103° 37' 57.191 W
		Ground Level:	3,350.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.77	60.09	48,699.36517065

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	178.09

Plan Survey Tool Program	Date	11/11/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,698.1 Design #1 (Wellbore #1)		

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Mesa #55H
Company:	BTA Oil Producers, LLC	TVD Reference:	WELL @ 3351.0usft (Original Well Elev)
Project:	Lea County, NM (NAD 83)	MD Reference:	WELL @ 3351.0usft (Original Well Elev)
Site:	Mesa Sec 1 & 12, T26S, R32E	North Reference:	Grid
Well:	Mesa #55H	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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	8.00	21.80	1,398.7	25.9	10.4	2.00	2.00	0.00	21.80	
4,481.8	8.00	21.80	4,450.5	424.1	169.6	0.00	0.00	0.00	0.00	
4,881.8	0.00	0.00	4,849.2	450.0	180.0	2.00	-2.00	0.00	180.00	
11,738.1	0.00	0.00	11,705.5	450.0	180.0	0.00	0.00	0.00	0.00	
11,788.1	0.00	0.00	11,755.5	450.0	180.0	0.00	0.00	0.00	0.00	
12,538.1	90.00	179.14	12,233.0	-27.4	187.1	12.00	12.00	0.00	179.14	
22,698.1	90.00	179.14	12,233.0	-10,186.2	338.9	0.00	0.00	0.00	0.00	Mesa #55H BHL

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Mesa #55H
Company:	BTA Oil Producers, LLC	TVD Reference:	WELL @ 3351.0usft (Original Well Elev)
Project:	Lea County, NM (NAD 83)	MD Reference:	WELL @ 3351.0usft (Original Well Elev)
Site:	Mesa Sec 1 & 12, T26S, R32E	North Reference:	Grid
Well:	Mesa #55H	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	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
100.0	0.00	0.00	100.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
200.0	0.00	0.00	200.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
300.0	0.00	0.00	300.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
400.0	0.00	0.00	400.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
500.0	0.00	0.00	500.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
600.0	0.00	0.00	600.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
700.0	0.00	0.00	700.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
800.0	0.00	0.00	800.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
900.0	0.00	0.00	900.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	392,991.64	758,388.14	32° 4' 42.513 N	103° 37' 57.191 W
1,100.0	2.00	21.80	1,100.0	1.6	0.6	392,993.26	758,388.79	32° 4' 42.529 N	103° 37' 57.184 W
1,200.0	4.00	21.80	1,199.8	6.5	2.6	392,998.12	758,390.73	32° 4' 42.577 N	103° 37' 57.161 W
1,300.0	6.00	21.80	1,299.5	14.6	5.8	393,006.21	758,393.97	32° 4' 42.657 N	103° 37' 57.123 W
1,400.0	8.00	21.80	1,398.7	25.9	10.4	393,017.52	758,398.49	32° 4' 42.768 N	103° 37' 57.069 W
1,500.0	8.00	21.80	1,497.7	38.8	15.5	393,030.45	758,403.66	32° 4' 42.896 N	103° 37' 57.008 W
1,600.0	8.00	21.80	1,596.8	51.7	20.7	393,043.37	758,408.83	32° 4' 43.023 N	103° 37' 56.947 W
1,700.0	8.00	21.80	1,695.8	64.7	25.9	393,056.29	758,414.00	32° 4' 43.151 N	103° 37' 56.886 W
1,800.0	8.00	21.80	1,794.8	77.6	31.0	393,069.21	758,419.17	32° 4' 43.278 N	103° 37' 56.825 W
1,900.0	8.00	21.80	1,893.8	90.5	36.2	393,082.13	758,424.33	32° 4' 43.406 N	103° 37' 56.764 W
2,000.0	8.00	21.80	1,992.9	103.4	41.4	393,095.05	758,429.50	32° 4' 43.533 N	103° 37' 56.703 W
2,100.0	8.00	21.80	2,091.9	116.3	46.5	393,107.97	758,434.67	32° 4' 43.661 N	103° 37' 56.642 W
2,200.0	8.00	21.80	2,190.9	129.3	51.7	393,120.90	758,439.84	32° 4' 43.788 N	103° 37' 56.581 W
2,300.0	8.00	21.80	2,289.9	142.2	56.9	393,133.82	758,445.01	32° 4' 43.916 N	103° 37' 56.520 W
2,400.0	8.00	21.80	2,389.0	155.1	62.0	393,146.74	758,450.18	32° 4' 44.044 N	103° 37' 56.459 W
2,500.0	8.00	21.80	2,488.0	168.0	67.2	393,159.66	758,455.35	32° 4' 44.171 N	103° 37' 56.398 W
2,600.0	8.00	21.80	2,587.0	180.9	72.4	393,172.58	758,460.51	32° 4' 44.299 N	103° 37' 56.337 W
2,700.0	8.00	21.80	2,686.1	193.9	77.5	393,185.50	758,465.68	32° 4' 44.426 N	103° 37' 56.275 W
2,800.0	8.00	21.80	2,785.1	206.8	82.7	393,198.42	758,470.85	32° 4' 44.554 N	103° 37' 56.214 W
2,900.0	8.00	21.80	2,884.1	219.7	87.9	393,211.35	758,476.02	32° 4' 44.681 N	103° 37' 56.153 W
3,000.0	8.00	21.80	2,983.1	232.6	93.1	393,224.27	758,481.19	32° 4' 44.809 N	103° 37' 56.092 W
3,100.0	8.00	21.80	3,082.2	245.6	98.2	393,237.19	758,486.36	32° 4' 44.936 N	103° 37' 56.031 W
3,200.0	8.00	21.80	3,181.2	258.5	103.4	393,250.11	758,491.53	32° 4' 45.064 N	103° 37' 55.970 W
3,300.0	8.00	21.80	3,280.2	271.4	108.6	393,263.03	758,496.69	32° 4' 45.191 N	103° 37' 55.909 W
3,400.0	8.00	21.80	3,379.2	284.3	113.7	393,275.95	758,501.86	32° 4' 45.319 N	103° 37' 55.848 W
3,500.0	8.00	21.80	3,478.3	297.2	118.9	393,288.87	758,507.03	32° 4' 45.446 N	103° 37' 55.787 W
3,600.0	8.00	21.80	3,577.3	310.2	124.1	393,301.79	758,512.20	32° 4' 45.574 N	103° 37' 55.726 W
3,700.0	8.00	21.80	3,676.3	323.1	129.2	393,314.72	758,517.37	32° 4' 45.701 N	103° 37' 55.665 W
3,800.0	8.00	21.80	3,775.3	336.0	134.4	393,327.64	758,522.54	32° 4' 45.829 N	103° 37' 55.604 W
3,900.0	8.00	21.80	3,874.4	348.9	139.6	393,340.56	758,527.71	32° 4' 45.956 N	103° 37' 55.543 W
4,000.0	8.00	21.80	3,973.4	361.9	144.7	393,353.48	758,532.87	32° 4' 46.084 N	103° 37' 55.482 W
4,100.0	8.00	21.80	4,072.4	374.8	149.9	393,366.40	758,538.04	32° 4' 46.212 N	103° 37' 55.421 W
4,200.0	8.00	21.80	4,171.5	387.7	155.1	393,379.32	758,543.21	32° 4' 46.339 N	103° 37' 55.360 W
4,300.0	8.00	21.80	4,270.5	400.6	160.2	393,392.24	758,548.38	32° 4' 46.467 N	103° 37' 55.299 W
4,400.0	8.00	21.80	4,369.5	413.5	165.4	393,405.17	758,553.55	32° 4' 46.594 N	103° 37' 55.238 W
4,481.8	8.00	21.80	4,450.5	424.1	169.6	393,415.74	758,557.78	32° 4' 46.698 N	103° 37' 55.188 W
4,500.0	7.64	21.80	4,468.5	426.4	170.6	393,418.03	758,558.70	32° 4' 46.721 N	103° 37' 55.177 W
4,600.0	5.64	21.80	4,567.9	437.1	174.9	393,428.76	758,562.99	32° 4' 46.827 N	103° 37' 55.126 W
4,700.0	3.64	21.80	4,667.5	444.6	177.9	393,436.27	758,565.99	32° 4' 46.901 N	103° 37' 55.091 W
4,800.0	1.64	21.80	4,767.4	448.9	179.6	393,440.54	758,567.70	32° 4' 46.943 N	103° 37' 55.071 W
4,881.8	0.00	0.00	4,849.2	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W
4,900.0	0.00	0.00	4,867.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W
5,000.0	0.00	0.00	4,967.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W
5,100.0	0.00	0.00	5,067.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W
5,200.0	0.00	0.00	5,167.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Mesa #55H
Company:	BTA Oil Producers, LLC	TVD Reference:	WELL @ 3351.0usft (Original Well Elev)
Project:	Lea County, NM (NAD 83)	MD Reference:	WELL @ 3351.0usft (Original Well Elev)
Site:	Mesa Sec 1 & 12, T26S, R32E	North Reference:	Grid
Well:	Mesa #55H	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
5,300.0	0.00	0.00	5,267.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
5,400.0	0.00	0.00	5,367.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
5,500.0	0.00	0.00	5,467.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
5,600.0	0.00	0.00	5,567.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
5,700.0	0.00	0.00	5,667.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
5,800.0	0.00	0.00	5,767.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
5,900.0	0.00	0.00	5,867.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,000.0	0.00	0.00	5,967.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,100.0	0.00	0.00	6,067.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,200.0	0.00	0.00	6,167.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,300.0	0.00	0.00	6,267.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,400.0	0.00	0.00	6,367.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,500.0	0.00	0.00	6,467.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,600.0	0.00	0.00	6,567.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,700.0	0.00	0.00	6,667.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,800.0	0.00	0.00	6,767.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
6,900.0	0.00	0.00	6,867.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,000.0	0.00	0.00	6,967.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,100.0	0.00	0.00	7,067.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,200.0	0.00	0.00	7,167.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,300.0	0.00	0.00	7,267.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,400.0	0.00	0.00	7,367.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,500.0	0.00	0.00	7,467.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,600.0	0.00	0.00	7,567.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,700.0	0.00	0.00	7,667.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,800.0	0.00	0.00	7,767.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
7,900.0	0.00	0.00	7,867.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,000.0	0.00	0.00	7,967.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,100.0	0.00	0.00	8,067.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,200.0	0.00	0.00	8,167.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,300.0	0.00	0.00	8,267.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,400.0	0.00	0.00	8,367.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,500.0	0.00	0.00	8,467.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,600.0	0.00	0.00	8,567.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,700.0	0.00	0.00	8,667.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,800.0	0.00	0.00	8,767.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
8,900.0	0.00	0.00	8,867.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,000.0	0.00	0.00	8,967.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,100.0	0.00	0.00	9,067.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,200.0	0.00	0.00	9,167.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,300.0	0.00	0.00	9,267.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,400.0	0.00	0.00	9,367.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,500.0	0.00	0.00	9,467.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,600.0	0.00	0.00	9,567.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,700.0	0.00	0.00	9,667.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,800.0	0.00	0.00	9,767.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
9,900.0	0.00	0.00	9,867.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,000.0	0.00	0.00	9,967.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,100.0	0.00	0.00	10,067.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,200.0	0.00	0.00	10,167.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,300.0	0.00	0.00	10,267.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,400.0	0.00	0.00	10,367.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,500.0	0.00	0.00	10,467.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,600.0	0.00	0.00	10,567.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W
10,700.0	0.00	0.00	10,667.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N		103° 37' 55.065 W

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Mesa #55H
Company:	BTA Oil Producers, LLC	TVD Reference:	WELL @ 3351.0usft (Original Well Elev)
Project:	Lea County, NM (NAD 83)	MD Reference:	WELL @ 3351.0usft (Original Well Elev)
Site:	Mesa Sec 1 & 12, T26S, R32E	North Reference:	Grid
Well:	Mesa #55H	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	10,767.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
10,900.0	0.00	0.00	10,867.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,000.0	0.00	0.00	10,967.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,100.0	0.00	0.00	11,067.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,200.0	0.00	0.00	11,167.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,300.0	0.00	0.00	11,267.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,400.0	0.00	0.00	11,367.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,500.0	0.00	0.00	11,467.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,600.0	0.00	0.00	11,567.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,700.0	0.00	0.00	11,667.4	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,738.1	0.00	0.00	11,705.5	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,788.1	0.00	0.00	11,755.5	450.0	180.0	393,441.62	758,568.13	32° 4' 46.954 N	103° 37' 55.065 W	
11,800.0	1.43	179.14	11,767.4	449.9	180.0	393,441.47	758,568.13	32° 4' 46.953 N	103° 37' 55.065 W	
11,900.0	13.43	179.14	11,866.4	437.0	180.2	393,428.58	758,568.33	32° 4' 46.825 N	103° 37' 55.064 W	
12,000.0	25.43	179.14	11,960.5	403.8	180.7	393,395.39	758,568.82	32° 4' 46.496 N	103° 37' 55.061 W	
12,100.0	37.43	179.14	12,045.7	351.7	181.5	393,343.35	758,569.60	32° 4' 45.981 N	103° 37' 55.056 W	
12,200.0	49.43	179.14	12,118.2	283.1	182.5	393,274.74	758,570.62	32° 4' 45.302 N	103° 37' 55.049 W	
12,300.0	61.43	179.14	12,174.8	200.9	183.7	393,192.57	758,571.85	32° 4' 44.489 N	103° 37' 55.041 W	
12,400.0	73.43	179.14	12,213.2	108.8	185.1	393,100.41	758,573.23	32° 4' 43.577 N	103° 37' 55.032 W	
12,500.0	85.43	179.14	12,231.5	10.7	186.6	393,002.31	758,574.70	32° 4' 42.606 N	103° 37' 55.022 W	
12,538.1	90.00	179.14	12,233.0	-27.4	187.1	392,964.23	758,575.26	32° 4' 42.229 N	103° 37' 55.019 W	
12,600.0	90.00	179.14	12,233.0	-89.3	188.1	392,902.36	758,576.19	32° 4' 41.617 N	103° 37' 55.013 W	
12,700.0	90.00	179.14	12,233.0	-189.3	189.6	392,802.38	758,577.68	32° 4' 40.628 N	103° 37' 55.003 W	
12,800.0	90.00	179.14	12,233.0	-289.3	191.0	392,702.39	758,579.18	32° 4' 39.638 N	103° 37' 54.993 W	
12,900.0	90.00	179.14	12,233.0	-389.2	192.5	392,602.41	758,580.67	32° 4' 38.649 N	103° 37' 54.983 W	
13,000.0	90.00	179.14	12,233.0	-489.2	194.0	392,502.42	758,582.17	32° 4' 37.659 N	103° 37' 54.973 W	
13,100.0	90.00	179.14	12,233.0	-589.2	195.5	392,402.44	758,583.66	32° 4' 36.670 N	103° 37' 54.963 W	
13,200.0	90.00	179.14	12,233.0	-689.2	197.0	392,302.45	758,585.15	32° 4' 35.680 N	103° 37' 54.954 W	
13,300.0	90.00	179.14	12,233.0	-789.2	198.5	392,202.47	758,586.65	32° 4' 34.691 N	103° 37' 54.944 W	
13,400.0	90.00	179.14	12,233.0	-889.2	200.0	392,102.48	758,588.14	32° 4' 33.701 N	103° 37' 54.934 W	
13,500.0	90.00	179.14	12,233.0	-989.2	201.5	392,002.50	758,589.64	32° 4' 32.712 N	103° 37' 54.924 W	
13,600.0	90.00	179.14	12,233.0	-1,089.2	203.0	391,902.51	758,591.13	32° 4' 31.722 N	103° 37' 54.914 W	
13,700.0	90.00	179.14	12,233.0	-1,189.2	204.5	391,802.52	758,592.62	32° 4' 30.733 N	103° 37' 54.905 W	
13,800.0	90.00	179.14	12,233.0	-1,289.1	206.0	391,702.54	758,594.12	32° 4' 29.743 N	103° 37' 54.895 W	
13,900.0	90.00	179.14	12,233.0	-1,389.1	207.5	391,602.55	758,595.61	32° 4' 28.754 N	103° 37' 54.885 W	
14,000.0	90.00	179.14	12,233.0	-1,489.1	209.0	391,502.57	758,597.11	32° 4' 27.764 N	103° 37' 54.875 W	
14,100.0	90.00	179.14	12,233.0	-1,589.1	210.5	391,402.58	758,598.60	32° 4' 26.775 N	103° 37' 54.865 W	
14,200.0	90.00	179.14	12,233.0	-1,689.1	212.0	391,302.60	758,600.09	32° 4' 25.785 N	103° 37' 54.856 W	
14,300.0	90.00	179.14	12,233.0	-1,789.1	213.5	391,202.61	758,601.59	32° 4' 24.796 N	103° 37' 54.846 W	
14,400.0	90.00	179.14	12,233.0	-1,889.1	215.0	391,102.63	758,603.08	32° 4' 23.806 N	103° 37' 54.836 W	
14,500.0	90.00	179.14	12,233.0	-1,989.1	216.4	391,002.64	758,604.58	32° 4' 22.817 N	103° 37' 54.826 W	
14,600.0	90.00	179.14	12,233.0	-2,089.1	217.9	390,902.66	758,606.07	32° 4' 21.827 N	103° 37' 54.816 W	
14,700.0	90.00	179.14	12,233.0	-2,189.0	219.4	390,802.67	758,607.57	32° 4' 20.838 N	103° 37' 54.806 W	
14,800.0	90.00	179.14	12,233.0	-2,289.0	220.9	390,702.69	758,609.06	32° 4' 19.848 N	103° 37' 54.797 W	
14,900.0	90.00	179.14	12,233.0	-2,389.0	222.4	390,602.70	758,610.55	32° 4' 18.859 N	103° 37' 54.787 W	
15,000.0	90.00	179.14	12,233.0	-2,489.0	223.9	390,502.72	758,612.05	32° 4' 17.869 N	103° 37' 54.777 W	
15,100.0	90.00	179.14	12,233.0	-2,589.0	225.4	390,402.73	758,613.54	32° 4' 16.880 N	103° 37' 54.767 W	
15,200.0	90.00	179.14	12,233.0	-2,689.0	226.9	390,302.75	758,615.04	32° 4' 15.890 N	103° 37' 54.757 W	
15,300.0	90.00	179.14	12,233.0	-2,789.0	228.4	390,202.76	758,616.53	32° 4' 14.901 N	103° 37' 54.748 W	
15,400.0	90.00	179.14	12,233.0	-2,889.0	229.9	390,102.78	758,618.02	32° 4' 13.911 N	103° 37' 54.738 W	
15,500.0	90.00	179.14	12,233.0	-2,989.0	231.4	390,002.79	758,619.52	32° 4' 12.922 N	103° 37' 54.728 W	
15,600.0	90.00	179.14	12,233.0	-3,088.9	232.9	389,902.81	758,621.01	32° 4' 11.932 N	103° 37' 54.718 W	
15,700.0	90.00	179.14	12,233.0	-3,188.9	234.4	389,802.82	758,622.51	32° 4' 10.943 N	103° 37' 54.708 W	
15,800.0	90.00	179.14	12,233.0	-3,288.9	235.9	389,702.84	758,624.00	32° 4' 9.953 N	103° 37' 54.699 W	
15,900.0	90.00	179.14	12,233.0	-3,388.9	237.4	389,602.85	758,625.49	32° 4' 8.964 N	103° 37' 54.689 W	

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Mesa #55H
Company:	BTA Oil Producers, LLC	TVD Reference:	WELL @ 3351.0usft (Original Well Elev)
Project:	Lea County, NM (NAD 83)	MD Reference:	WELL @ 3351.0usft (Original Well Elev)
Site:	Mesa Sec 1 & 12, T26S, R32E	North Reference:	Grid
Well:	Mesa #55H	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	179.14	12,233.0	-3,488.9	238.9	389,502.87	758,626.99	32° 4' 7.974 N	103° 37' 54.679 W	
16,100.0	90.00	179.14	12,233.0	-3,588.9	240.4	389,402.88	758,628.48	32° 4' 6.985 N	103° 37' 54.669 W	
16,200.0	90.00	179.14	12,233.0	-3,688.9	241.8	389,302.90	758,629.98	32° 4' 5.995 N	103° 37' 54.659 W	
16,300.0	90.00	179.14	12,233.0	-3,788.9	243.3	389,202.91	758,631.47	32° 4' 5.005 N	103° 37' 54.650 W	
16,400.0	90.00	179.14	12,233.0	-3,888.9	244.8	389,102.93	758,632.97	32° 4' 4.016 N	103° 37' 54.640 W	
16,500.0	90.00	179.14	12,233.0	-3,988.8	246.3	389,002.94	758,634.46	32° 4' 3.026 N	103° 37' 54.630 W	
16,600.0	90.00	179.14	12,233.0	-4,088.8	247.8	388,902.96	758,635.95	32° 4' 2.037 N	103° 37' 54.620 W	
16,700.0	90.00	179.14	12,233.0	-4,188.8	249.3	388,802.97	758,637.45	32° 4' 1.047 N	103° 37' 54.610 W	
16,800.0	90.00	179.14	12,233.0	-4,288.8	250.8	388,702.99	758,638.94	32° 4' 0.058 N	103° 37' 54.600 W	
16,900.0	90.00	179.14	12,233.0	-4,388.8	252.3	388,603.00	758,640.44	32° 3' 59.068 N	103° 37' 54.591 W	
17,000.0	90.00	179.14	12,233.0	-4,488.8	253.8	388,503.02	758,641.93	32° 3' 58.079 N	103° 37' 54.581 W	
17,100.0	90.00	179.14	12,233.0	-4,588.8	255.3	388,403.03	758,643.42	32° 3' 57.089 N	103° 37' 54.571 W	
17,200.0	90.00	179.14	12,233.0	-4,688.8	256.8	388,303.04	758,644.92	32° 3' 56.100 N	103° 37' 54.561 W	
17,300.0	90.00	179.14	12,233.0	-4,788.8	258.3	388,203.06	758,646.41	32° 3' 55.110 N	103° 37' 54.551 W	
17,400.0	90.00	179.14	12,233.0	-4,888.7	259.8	388,103.07	758,647.91	32° 3' 54.121 N	103° 37' 54.542 W	
17,500.0	90.00	179.14	12,233.0	-4,988.7	261.3	388,003.09	758,649.40	32° 3' 53.131 N	103° 37' 54.532 W	
17,600.0	90.00	179.14	12,233.0	-5,088.7	262.8	387,903.10	758,650.90	32° 3' 52.142 N	103° 37' 54.522 W	
17,700.0	90.00	179.14	12,233.0	-5,188.7	264.3	387,803.12	758,652.39	32° 3' 51.152 N	103° 37' 54.512 W	
17,800.0	90.00	179.14	12,233.0	-5,288.7	265.8	387,703.13	758,653.88	32° 3' 50.163 N	103° 37' 54.502 W	
17,900.0	90.00	179.14	12,233.0	-5,388.7	267.3	387,603.15	758,655.38	32° 3' 49.173 N	103° 37' 54.493 W	
18,000.0	90.00	179.14	12,233.0	-5,488.7	268.7	387,503.16	758,656.87	32° 3' 48.184 N	103° 37' 54.483 W	
18,100.0	90.00	179.14	12,233.0	-5,588.7	270.2	387,403.18	758,658.37	32° 3' 47.194 N	103° 37' 54.473 W	
18,200.0	90.00	179.14	12,233.0	-5,688.7	271.7	387,303.19	758,659.86	32° 3' 46.205 N	103° 37' 54.463 W	
18,300.0	90.00	179.14	12,233.0	-5,788.6	273.2	387,203.21	758,661.35	32° 3' 45.215 N	103° 37' 54.453 W	
18,400.0	90.00	179.14	12,233.0	-5,888.6	274.7	387,103.22	758,662.85	32° 3' 44.226 N	103° 37' 54.444 W	
18,500.0	90.00	179.14	12,233.0	-5,988.6	276.2	387,003.24	758,664.34	32° 3' 43.236 N	103° 37' 54.434 W	
18,600.0	90.00	179.14	12,233.0	-6,088.6	277.7	386,903.25	758,665.84	32° 3' 42.247 N	103° 37' 54.424 W	
18,700.0	90.00	179.14	12,233.0	-6,188.6	279.2	386,803.27	758,667.33	32° 3' 41.257 N	103° 37' 54.414 W	
18,800.0	90.00	179.14	12,233.0	-6,288.6	280.7	386,703.28	758,668.82	32° 3' 40.268 N	103° 37' 54.404 W	
18,900.0	90.00	179.14	12,233.0	-6,388.6	282.2	386,603.30	758,670.32	32° 3' 39.278 N	103° 37' 54.394 W	
19,000.0	90.00	179.14	12,233.0	-6,488.6	283.7	386,503.31	758,671.81	32° 3' 38.289 N	103° 37' 54.385 W	
19,100.0	90.00	179.14	12,233.0	-6,588.6	285.2	386,403.33	758,673.31	32° 3' 37.299 N	103° 37' 54.375 W	
19,200.0	90.00	179.14	12,233.0	-6,688.5	286.7	386,303.34	758,674.80	32° 3' 36.310 N	103° 37' 54.365 W	
19,300.0	90.00	179.14	12,233.0	-6,788.5	288.2	386,203.36	758,676.30	32° 3' 35.320 N	103° 37' 54.355 W	
19,400.0	90.00	179.14	12,233.0	-6,888.5	289.7	386,103.37	758,677.79	32° 3' 34.331 N	103° 37' 54.345 W	
19,500.0	90.00	179.14	12,233.0	-6,988.5	291.2	386,003.39	758,679.28	32° 3' 33.341 N	103° 37' 54.336 W	
19,600.0	90.00	179.14	12,233.0	-7,088.5	292.7	385,903.40	758,680.78	32° 3' 32.352 N	103° 37' 54.326 W	
19,700.0	90.00	179.14	12,233.0	-7,188.5	294.1	385,803.42	758,682.27	32° 3' 31.362 N	103° 37' 54.316 W	
19,800.0	90.00	179.14	12,233.0	-7,288.5	295.6	385,703.43	758,683.77	32° 3' 30.373 N	103° 37' 54.306 W	
19,900.0	90.00	179.14	12,233.0	-7,388.5	297.1	385,603.45	758,685.26	32° 3' 29.383 N	103° 37' 54.296 W	
20,000.0	90.00	179.14	12,233.0	-7,488.5	298.6	385,503.46	758,686.75	32° 3' 28.394 N	103° 37' 54.287 W	
20,100.0	90.00	179.14	12,233.0	-7,588.4	300.1	385,403.48	758,688.25	32° 3' 27.404 N	103° 37' 54.277 W	
20,200.0	90.00	179.14	12,233.0	-7,688.4	301.6	385,303.49	758,689.74	32° 3' 26.415 N	103° 37' 54.267 W	
20,300.0	90.00	179.14	12,233.0	-7,788.4	303.1	385,203.51	758,691.24	32° 3' 25.425 N	103° 37' 54.257 W	
20,400.0	90.00	179.14	12,233.0	-7,888.4	304.6	385,103.52	758,692.73	32° 3' 24.436 N	103° 37' 54.247 W	
20,500.0	90.00	179.14	12,233.0	-7,988.4	306.1	385,003.54	758,694.22	32° 3' 23.446 N	103° 37' 54.238 W	
20,600.0	90.00	179.14	12,233.0	-8,088.4	307.6	384,903.55	758,695.72	32° 3' 22.457 N	103° 37' 54.228 W	
20,700.0	90.00	179.14	12,233.0	-8,188.4	309.1	384,803.56	758,697.21	32° 3' 21.467 N	103° 37' 54.218 W	
20,800.0	90.00	179.14	12,233.0	-8,288.4	310.6	384,703.58	758,698.71	32° 3' 20.478 N	103° 37' 54.208 W	
20,900.0	90.00	179.14	12,233.0	-8,388.4	312.1	384,603.59	758,700.20	32° 3' 19.488 N	103° 37' 54.198 W	
21,000.0	90.00	179.14	12,233.0	-8,488.3	313.6	384,503.61	758,701.70	32° 3' 18.499 N	103° 37' 54.188 W	
21,100.0	90.00	179.14	12,233.0	-8,588.3	315.1	384,403.62	758,703.19	32° 3' 17.509 N	103° 37' 54.179 W	
21,200.0	90.00	179.14	12,233.0	-8,688.3	316.6	384,303.64	758,704.68	32° 3' 16.520 N	103° 37' 54.169 W	
21,300.0	90.00	179.14	12,233.0	-8,788.3	318.1	384,203.65	758,706.18	32° 3' 15.530 N	103° 37' 54.159 W	
21,400.0	90.00	179.14	12,233.0	-8,888.3	319.5	384,103.67	758,707.67	32° 3' 14.541 N	103° 37' 54.149 W	

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Mesa #55H
Company:	BTA Oil Producers, LLC	TVD Reference:	WELL @ 3351.0usft (Original Well Elev)
Project:	Lea County, NM (NAD 83)	MD Reference:	WELL @ 3351.0usft (Original Well Elev)
Site:	Mesa Sec 1 & 12, T26S, R32E	North Reference:	Grid
Well:	Mesa #55H	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	179.14	12,233.0	-8,988.3	321.0	384,003.68	758,709.17	32° 3' 13.551 N	103° 37' 54.139 W	
21,600.0	90.00	179.14	12,233.0	-9,088.3	322.5	383,903.70	758,710.66	32° 3' 12.562 N	103° 37' 54.130 W	
21,700.0	90.00	179.14	12,233.0	-9,188.3	324.0	383,803.71	758,712.15	32° 3' 11.572 N	103° 37' 54.120 W	
21,800.0	90.00	179.14	12,233.0	-9,288.3	325.5	383,703.73	758,713.65	32° 3' 10.583 N	103° 37' 54.110 W	
21,900.0	90.00	179.14	12,233.0	-9,388.2	327.0	383,603.74	758,715.14	32° 3' 9.593 N	103° 37' 54.100 W	
22,000.0	90.00	179.14	12,233.0	-9,488.2	328.5	383,503.76	758,716.64	32° 3' 8.604 N	103° 37' 54.090 W	
22,100.0	90.00	179.14	12,233.0	-9,588.2	330.0	383,403.77	758,718.13	32° 3' 7.614 N	103° 37' 54.081 W	
22,200.0	90.00	179.14	12,233.0	-9,688.2	331.5	383,303.79	758,719.62	32° 3' 6.625 N	103° 37' 54.071 W	
22,300.0	90.00	179.14	12,233.0	-9,788.2	333.0	383,203.80	758,721.12	32° 3' 5.635 N	103° 37' 54.061 W	
22,400.0	90.00	179.14	12,233.0	-9,888.2	334.5	383,103.82	758,722.61	32° 3' 4.646 N	103° 37' 54.051 W	
22,500.0	90.00	179.14	12,233.0	-9,988.2	336.0	383,003.83	758,724.11	32° 3' 3.656 N	103° 37' 54.041 W	
22,600.0	90.00	179.14	12,233.0	-10,088.2	337.5	382,903.85	758,725.60	32° 3' 2.667 N	103° 37' 54.032 W	
22,698.1	90.00	179.14	12,233.0	-10,186.2	338.9	382,805.77	758,727.07	32° 3' 1.696 N	103° 37' 54.022 W	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Mesa #55H BHL	0.00	0.00	12,233.0	-10,186.2	338.9	382,805.77	758,727.07	32° 3' 1.696 N	103° 37' 54.022 W	
- plan hits target center										
- Point										

LEGEND

PROPOSED WELL PAD	
ARCH SURVEY LIMITS	
PROPOSED LEASE ROAD	
EXISTING LEASE ROAD	
SECTION LINE	
RECLAMATION & TOPSOIL AREA	

WELL PAD PLAT

MESA 8105 1-12 FED PAD #3

SEC. 1 TWP. 26-S RGE. 32-E

SURVEY: N.M.P.M.

COUNTY: LEA

OPERATOR: BTA OIL PRODUCERS, LLC

U.S.G.S. TOPOGRAPHIC MAP: PADUCA BREAKS EAST, N.M., TX



PROPOSED WELL PAD AREA = 3.95 ACRES
 PROPOSED SHORT-TERM DISTURBANCE AREA = 4.22 ACRES
 PROPOSED INTERIM RECLAMATION AREA = 0.73 ACRES
 PROPOSED LONG-TERM DISTURBANCE AREA = 3.49 ACRES

SECTION 1, T-26-S, R-32-E,
 BUREAU OF LAND
 MANAGEMENT

EXISTING
 MESA 8105 1-12
 FEDERAL #042H/#043H
 WELL PAD

LINE	BEARING	DISTANCE
L1	S 00°13'01" E	400.00'
L2	S 89°42'32" W	430.00'
L3	N 00°13'01" W	400.00'
L4	N 89°42'32" E	430.00'

NAD 83

A	E:(X)758647.40 N:(Y)393192.68	LAT:32.07902373 LON:-103.63171193
B	E:(X)758648.92 N:(Y)392792.68	LAT:32.07792421 LON:-103.63171544
C	E:(X)758218.92 N:(Y)392790.50	LAT:32.07792588 LON:-103.63103369
D	E:(X)758217.41 N:(Y)393190.50	LAT:32.07902541 LON:-103.63310020

NAD 27

A	E:(X)717460.84 N:(Y)393135.14	LAT:32.07889889 LON:-103.63124059
B	E:(X)717462.34 N:(Y)392735.15	LAT:32.07779935 LON:-103.63124414
C	E:(X)717032.34 N:(Y)392732.97	LAT:32.07780103 LON:-103.63263236
D	E:(X)717030.85 N:(Y)393132.96	LAT:32.07890058 LON:-103.63262879

PROPOSED
 MESA 8105 1-12 FED
 #57H/#73H/#72H
 WELL PAD #4

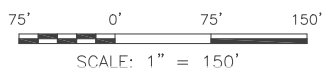
MESA 8105 1-12 FED 54H
 BTA OIL PRODUCERS, LLC
 470' FNL 1440' FWL, SECTION 1
 NAD 83, SPCS NM EAST
 X: 758358.16' / Y: 392991.03'
 LAT: 32.07847460N / LON: 103.63264996W
 NAD 27, SPCS NM EAST
 X: 717171.59' / Y: 392933.49'
 LAT: 32.07834975N / LON: 103.63217861W
 ELEVATION = 3349'

MESA 8105 1-12 FED 55H
 BTA OIL PRODUCERS, LLC
 470' FNL 1470' FWL, SECTION 1
 NAD 83, SPCS NM EAST
 X: 758388.14' / Y: 392991.64'
 LAT: 32.07847576N / LON: 103.63255316W
 NAD 27, SPCS NM EAST
 X: 717201.57' / Y: 392934.10'
 LAT: 32.07835091N / LON: 103.63208182W
 ELEVATION = 3,350'

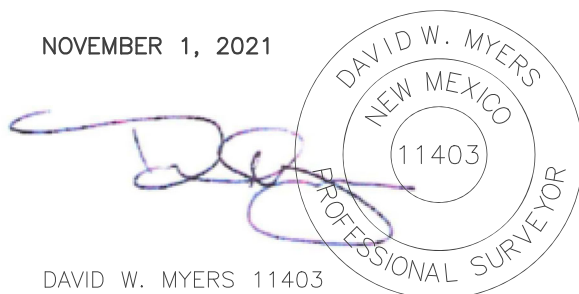
MESA 8105 1-12 FED 71H
 BTA OIL PRODUCERS, LLC
 470' FNL 1500' FWL, SECTION 1
 NAD 83, SPCS NM EAST
 X: 758418.14' / Y: 392991.64'
 LAT: 32.07847522N / LON: 103.63245631W
 NAD 27, SPCS NM EAST
 X: 717231.57' / Y: 392934.10'
 LAT: 32.07835037N / LON: 103.63198497W
 ELEVATION = 3,352'

MESA 8105 1-12 FED 70H
 BTA OIL PRODUCERS, LLC
 470' FNL 1530' FWL, SECTION 1
 NAD 83, SPCS NM EAST
 X: 758448.14' / Y: 392991.64'
 LAT: 32.07847469N / LON: 103.63235945W
 NAD 27, SPCS NM EAST
 X: 717261.57' / Y: 392934.10'
 LAT: 32.07834984N / LON: 103.63188812W
 ELEVATION = 3,352'

NOTE:
 THIS IS NOT A BOUNDARY SURVEY,
 APPARENT PROPERTY CORNERS AND
 PROPERTY LINES ARE SHOWN FOR
 INFORMATION ONLY. BOUNDARY DATA SHOWN
 IS FROM STATE OF NEW MEXICO OIL
 CONSERVATION DIVISION FORM C-102
 INCLUDED IN THIS SUBMITTAL.



NOVEMBER 1, 2021



DAVID W. MYERS 11403

4	10/20/2021	DEF
REV.	DATE	BY

SHEET 2 OF 3

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 510 TRENTON ST., UNIT B,
 WEST MONROE, LA 71291
 318-323-6900 OFFICE
 JOB No. R4168_003

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 63463

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 63463
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	11/24/2021