Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.
30-025-55156

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*

12. County or Parish

13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
Title		
Approved by *(Signature)*	Name *(Printed/Typed)*	Date
Title	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 08/29/2025

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals, & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024
PAGE 1 OF 2

Submittal Type: [X] Initial Submittal [ ] Amended Report [ ] As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-55156	98158	WC-025 G-09 S253236A; UPR WOLFCAMP

Property Code	Property Name	Well Number
328173	MESA 8105 11 FED	81H

OGRID No.	Operator Name	Ground Level Elevation
260297	BTA OIL PRODUCERS, LLC	3241'

Surface Owner: [ ] State [ ] Fee [ ] Tribal [X] Federal
Mineral Owner: [ ] State [ ] Fee [ ] Tribal [X] Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
C	11	26S	32E		490' FNL	1470' FWL	32.06366168	-103.64948720	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
M	11	26S	32E		50' FSL	350' FWL	32.05044410	-103.65301049	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
160.00	Infill	Pending: Mesa 8105 11 Fed 65H	N	

Order Numbers:
Well setbacks are under Common Ownership: [ ] Yes [ ] No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
D	11	26S	32E		100' FNL	350' FWL	32.06473112	-103.65310918	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
D	11	26S	32E		100' FNL	350' FWL	32.06473112	-103.65310918	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
M	11	26S	32E		100' FSL	350' FWL	32.05058119	-103.65301153	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type: [X] Horizontal [ ] Vertical	Ground Floor Elevation
		3241'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

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

Signature Date 6/18/2025

LIZ VELASCO
Printed Name

lvelasco@btaoil.com
Email Address

SURVEYOR CERTIFICATIONS

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

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
21653	JUNE 18, 2025

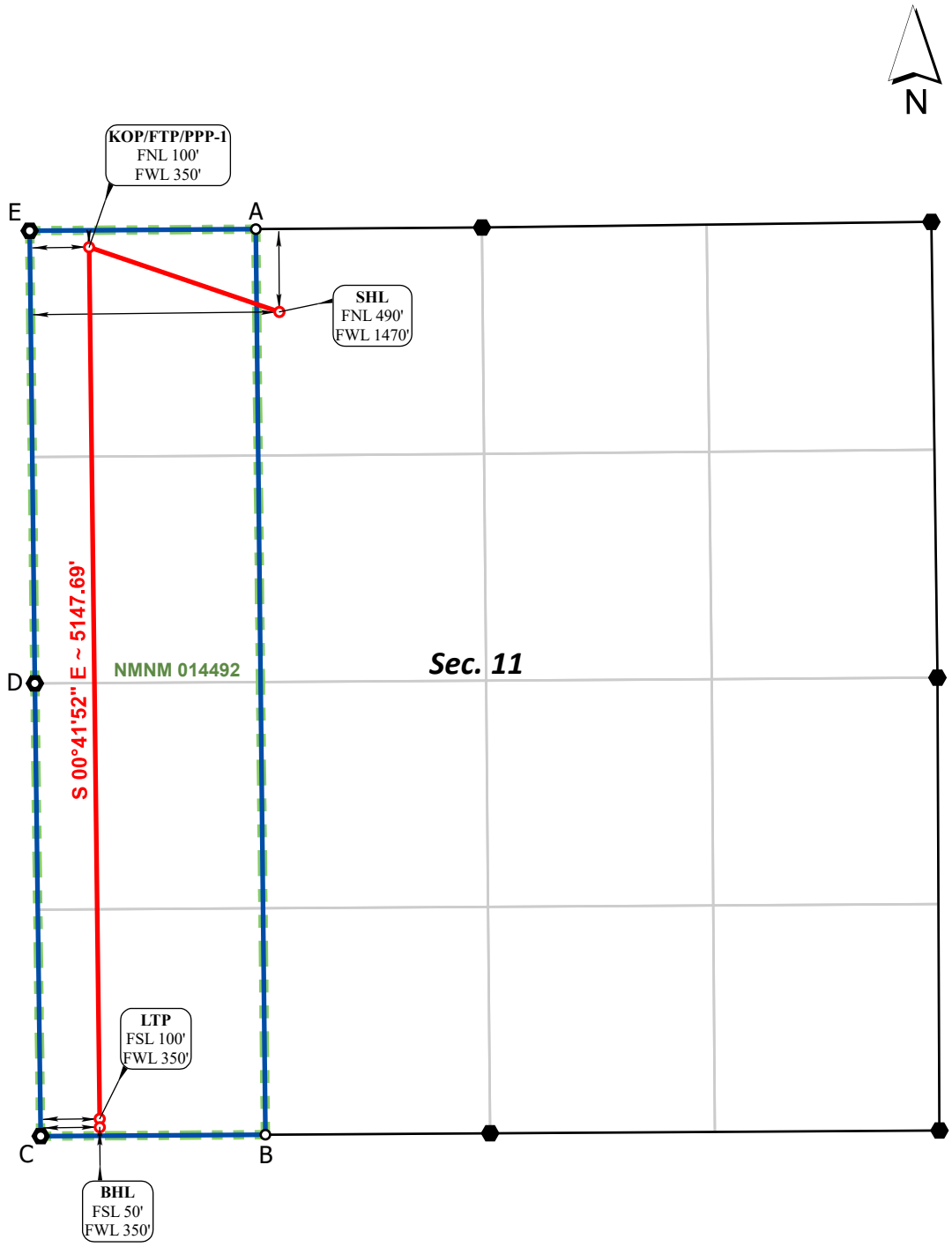
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SHL
FNL 490' FWL 1470', SECTION 11
NAD 83, SPCS NM EAST
X:753177.25' / Y:387568.87'
LAT:32.06366168 / LON:-103.64948720
NAD 27, SPCS NM EAST
X:711990.50' / Y:387511.44'
LAT:32.06353673 / LON:-103.64901612

KOP/FTP/PPP-1
FNL 100' FWL 350', SECTION 11
NAD 83, SPCS NM EAST
X:752052.77' / Y:387950.82'
LAT:32.06473112 / LON:-103.65310918
NAD 27, SPCS NM EAST
X:710866.05' / Y:387893.38'
LAT:32.06460618 / LON:-103.65263792

LTP
FSL 100' FWL 350', SECTION 11
NAD 83, SPCS NM EAST
X:752115.46' / Y:382803.51'
LAT:32.05058119 / LON:-103.65301153
NAD 27, SPCS NM EAST
X:710928.52' / Y:382746.20'
LAT:32.05045615 / LON:-103.65254107

BHL
FSL 50' FWL 350', SECTION 11
NAD 83, SPCS NM EAST
X:752116.10' / Y:382753.64'
LAT:32.05044410 / LON:-103.65301049
NAD 27, SPCS NM EAST
X:710929.16' / Y:382696.33'
LAT:32.05031905 / LON:-103.65254003



*FTP TO LTP LEASE DISTANCES

TRACT	DISTANCE
NMNM 014492	5147.69
TOTAL	5147.69

CORNER COORDINATES NAD 83, SPCS NM EAST	CORNER COORDINATES NAD 27, SPCS NM EAST
A - X: 753038.02' / Y:388057.88'	A - X: 711851.30' / Y:388000.44'
B - X: 753094.51' / Y:382709.85'	B - X: 711907.55' / Y:382652.54'
C - X: 751766.74' / Y:382701.42'	C - X: 710579.80' / Y:382644.11'
D - X: 751732.47' / Y:385375.12'	D - X: 710545.65' / Y:385317.74'
E - X: 751701.62' / Y:388048.30'	E - X: 710514.91' / Y:387990.86'

DELTA FIELD SERVICES

Drill Line Events · Section Corners · Drill Line · Dimension Lines · Federal Leases · Project Area · Project Corners

JOB No. R4168_008
REV 2 CCT 6/17/2025

All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.
Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99981493 and a Convergence Angle: 0.39688333°

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: BTA Oil Producers, LLC **OGRID:** 260297 **Date:** 6/3/2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
MESA 8105 11 FEDERAL 81H		C-11-26S-32E	490' FNL 1470' FWL	+/- 800	+/- 2000	+/- 1200

IV. Central Delivery Point Name: MESA CTB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
MESA 8105 11 FEDERAL 81H		9/15/2025	9/25/2025	10/9/2025	10/30/2025	11/29/2025

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Liz Velasco
Title:	Regulatory Analyst
E-mail Address:	lvelasco@btaoil.com
Date:	6/3/2025
Phone:	432-682-3753

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Separation equipment will allow for adequate retention time to allow gas and liquids to separate.
- Separation equipment will utilize air power pneumatic dump controllers and ventless pressure control valves.
- Separation equipment will separate all three phases (Oil, Water, and Gas).
- Storage tanks will utilize blanket gas and vapor recovery systems to moderate tank pressures and capture gas from storage tanks.
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release gas from the well.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F 19.15.27.8 NMAC.

Drilling Operations

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100’ from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

Completions/Recompletions Operations

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as excess VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

Production Operations

- Weekly AVOs will be performed on all facilities that produce more than 60 MCFD.
- All facilities will be inspected with an Optical Gas Imaging Thermographer Camera quarterly to find and repair fugitive emissions.
- Leaking thief hatches and pressure safety valves found during AVOs will be cleaned and properly re-sealed.

- All flares will be equipped with continuous pilot system and air assist systems that will ensure the flare burns efficiently.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All gas lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.

Performance Standards

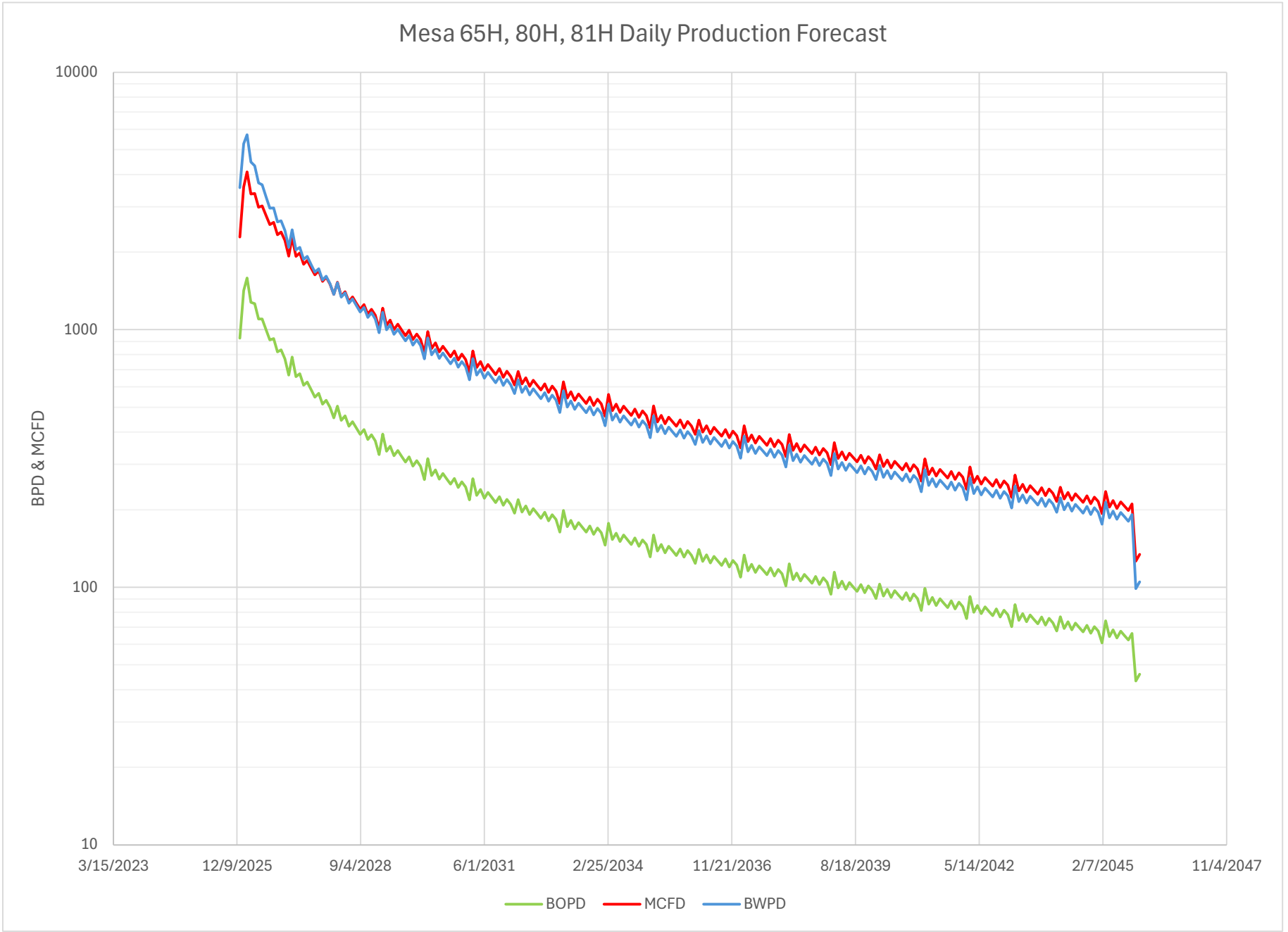
- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- All gas will have multiple points of separation to ensure no liquids enter flares, combustors, or gas sales line.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 MCFD.
- All OOOOa facilities will be filmed with an Optical Gas Imaging Thermographer camera once per month to check for fugitive emissions.

Measurement & Estimation

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- All meters will be calibrated at regular intervals according to meter manufacturer recommendations.
- When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

- During downhole well maintenance, BTA will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
- All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.


Mesa 65H, 80H, 81H Daily Production Forecast
10000
1000
100
10
BPD & MCFD
3/15/2023
12/9/2025
9/4/2028
6/1/2031
2/25/2034
11/21/2036
8/18/2039
5/14/2042
2/7/2045
11/4/2047
BOPD
MCFD
BWPD

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report
09/02/2025

APD ID: 10400105100
Submission Date: 06/10/2025
Operator Name: BTA OIL PRODUCERS LLC
Well Name: MESA 8105 11 FEDERAL
Well Number: 81H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16300596	QUATERNARY	3241	0	0	ALLUVIUM	NONE	N
16300597	RUSTLER	2534	707	707	ANHYDRITE	NONE	N
16300598	TOP SALT	2050	1191	1191	SALT	NONE	N
16300599	BASE OF SALT	-1150	4391	4391	SALT	NONE	N
16300600	DELAWARE	-1360	4601	4601	LIMESTONE	NATURAL GAS, OIL	N
16300609	BELL CANYON	-1385	4626	4626	SANDSTONE	NATURAL GAS, OIL	N
16300602	CHERRY CANYON	-2735	5976	5976	SANDSTONE	NATURAL GAS, OIL	N
16300603	BRUSHY CANYON	-4005	7246	7246	SANDSTONE	NATURAL GAS, OIL	N
16300604	BONE SPRING LIME	-5600	8841	8841	LIMESTONE	NATURAL GAS, OIL	N
16300605	FIRST BONE SPRING SAND	-6500	9741	9741	SANDSTONE	NATURAL GAS, OIL	N
16300606	BONE SPRING 2ND	-7100	10341	10341	SANDSTONE	NATURAL GAS, OIL	N
16300607	BONE SPRING 3RD	-8250	11491	11491	SANDSTONE	NATURAL GAS, OIL	N
16300608	WOLFCAMP	-8705	11946	11946	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL **Well Number:** 81H

Pressure Rating (PSI): 10M **Rating Depth:** 14000

Equipment: The blowout preventer equipment (BOP) shown in Exhibit A will consist of a (10M system) double ram type (10,000 psi WP) preventer and a bag-type (Hydril) preventer (5000 psi WP). Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 5" drill pipe rams on bottom. The BOPs will be installed on the 10-3/4" surface casing and utilized continuously until total depth is reached. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. A remote kill line will be used for the 10M system as per onshore order #2. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines, and choke manifold having a 10,000 psi WP rating. The 5M annular will be tested as per BLM drilling Operations Order No. 2, and will be test to 100% of working pressure.

Requesting Variance? NO

Variance request:

Testing Procedure: Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drillers log. All BOPs and associated equipment will be tested as per BLM drilling Operations Order No. 2.

Choke Diagram Attachment:

10M_choke_mannifold_20200521113335.pdf

FLEX_HOSE_2_20250717153256.pdf

FLEX_HOSE_1_20250717153256.pdf

BOP Diagram Attachment:

10M_annular_variance_20200521113430.pdf

BLM_10M_BOP_with_5M_annular_20200521113411_20250717152948.pdf

5M_annular_well_control_plan_for_BLM_20200521113411_20250717153018.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	750	0	750	3241	2491	750	J-55	40.5	ST&C	3.5	8.4	DRY	12.6	DRY	8.3
2	INTERMEDIATE	12.25	9.875	NEW	API	Y	0	4596	0	4598	3018	-1357	4596	P-110	36	BUTT	1.5	1.5	DRY	3.4	DRY	2.7
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	11924	0	11824	3018	-8583	11924	P-110	20	BUTT	1.4	1.6	DRY	2.7	DRY	2.8
4	INTERMEDIATE	8.75	7.625	NEW	API	Y	4446	12124	4411	12024	-1170	-8783	7678	P-110	29.7	FJ	1.7	1.6	DRY	2.6	DRY	2.7
5	PRODUCTION	6.75	5.0	NEW	API	Y	11924	17730	11824	12666	-8583	-9425	5806	P-110	18	BUTT	1.6	1.7	DRY	5.8	DRY	5.5

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL **Well Number:** 81H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

drilling_plan_7.17_20250717170316.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Mesa_8105_11_FED__81H___tapered_string_2_20250717170434.pdf

Casing Design Assumptions and Worksheet(s):

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Mesa_8105_11_FED__81H___tapered_string_3_20250717170544.pdf

Casing Design Assumptions and Worksheet(s):

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL **Well Number:** 81H

Casing Attachments

Casing ID: 4 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Mesa_8105_11_FED__81H___tapered_string_4_20250717170644.pdf

Casing Design Assumptions and Worksheet(s):

Casing ID: 5 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Mesa_8105_11_FED__81H___tapered_string_1_20250717170238.pdf

Casing Design Assumptions and Worksheet(s):

drilling_plan_7.17_20250717164113.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0		na	na
PRODUCTION	Tail		12194	17730	545	1.28	14.2	697.6	10	Class H	0.1% Fluid Loss.
SURFACE	Lead		0	450	200	1.8	13.5	360	15	Class C	2% CaCl2
SURFACE	Tail		450	750	230	1.34	14.8	308.2	15	Class C	2% CaCl2
INTERMEDIATE	Lead	4615	0	4096	675	2.18	12.7	1471.5	15	Class C	0.5% CaCl2

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL **Well Number:** 81H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		4096	4598	155	1.33	14.8	206.15	15	Class C	1% CaCl2
INTERMEDIATE	Lead		4446	11124	250	2.99	11	747.5	10	Class C	0.5% CaCl2
INTERMEDIATE	Tail		11124	12124	110	1.19	15.6	130.9	10	Class H	1% CaCl2
PRODUCTION	Lead		0	11974	0	0	0	0		n/a	n/a
PRODUCTION	Tail		11194	12194	701.28	1.28	14.2	89.6	0	Class H	0.1% Fluid Loss.

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
12024	12666	OIL-BASED MUD	12	12.5							
0	750	OTHER : FW SPUD	8.3	8.4							
750	4589	OTHER : BRINE	9	9.4							
4589	12024	OTHER : CUT BRINE	10.5	12							

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL **Well Number:** 81H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Drill Stem Tests will be based on geological sample shows.

List of open and cased hole logs run in the well:

MUD LOG/GEOLOGICAL LITHOLOGY LOG,GAMMA RAY LOG,CEMENT BOND LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8233 **Anticipated Surface Pressure:** 5502

Anticipated Bottom Hole Temperature(F): 177

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

BTA_Oil_Producers_LLC___EMERGENCY_CALL_LIST_20190723161502.pdf
H2S_Equipment_Schematic_20190723161502.pdf
H2S_Plan_20190723161502.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Mesa__81H_directional_plan_20250605085938.pdf
Mesa__81H_wallplot_20250605090014.pdf
Mesa_8105_11_FED__81H___NGMP_20250717165331.pdf

Other proposed operations facets description:

A variance is requested for a Multi Bowl Wellhead. See the attached schematic. *All strings will be kept 1/3 full while running.

Other proposed operations facets attachment:

Other Variance request(s)?: Y

Other Variance attachment:

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

WELL: Mesa 8105 11 Fed #81H
TVD: 12666
MD: 17730 KOP 12194

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	750	0	750	No	54.5	J-55	STC	3.5	8.4	20.9	12.6	Dry	8.3
12 1/4	9 5/8	0	4596	0	4589	No	36	J-55	LTC	1.5	1.5	3.4	2.7	Dry	10
8 3/4	7 5/8	4446	12124	4411	12024	No	29.7	P110	FJ	1.7	1.6	2.6	2.7	Dry	9.4
6 3/4	5 1/2	0	11924	0	11824	Yes	20	P110	BTC	1.4	1.6	2.7	2.8	Dry	12.5
6 3/4	5	11924	17730	11824	12666	Yes	18	P110	BTC	1.6	1.7	5.5	5.8	Dry	12.5

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	450	Class C	200	1.8	13.5	360	15%	2% CaCl2
	Tail		450	750	Class C	230	1.34	14.8	308.2	15%	2% CaCl2
9 5/8	Lead		0	4096	Class C	675	2.18	12.7	1471.5	15%	0.5% CaCl2
	Tail		4096	4596	Class C	155	1.33	14.8	206.15	15%	1% CaCl2
7 5/8	Lead		4446	11124	25% Poz 75% Class C	250	2.99	11	747.5	10%	0.5% CaCl2
	Tail		11124	12124	Class H	110	1.19	15.6	130.9	10%	1% CaCl2
5 1/2	Lead		0	11194							
	Tail		11194	12194	Class H	70	1.28	14.2	89.6	0%	0.1% Fluid Loss.
5	Lead										
	Tail		12194	17730	Class H	545	1.28	14.2	697.6	10%	0.1% Fluid Loss.

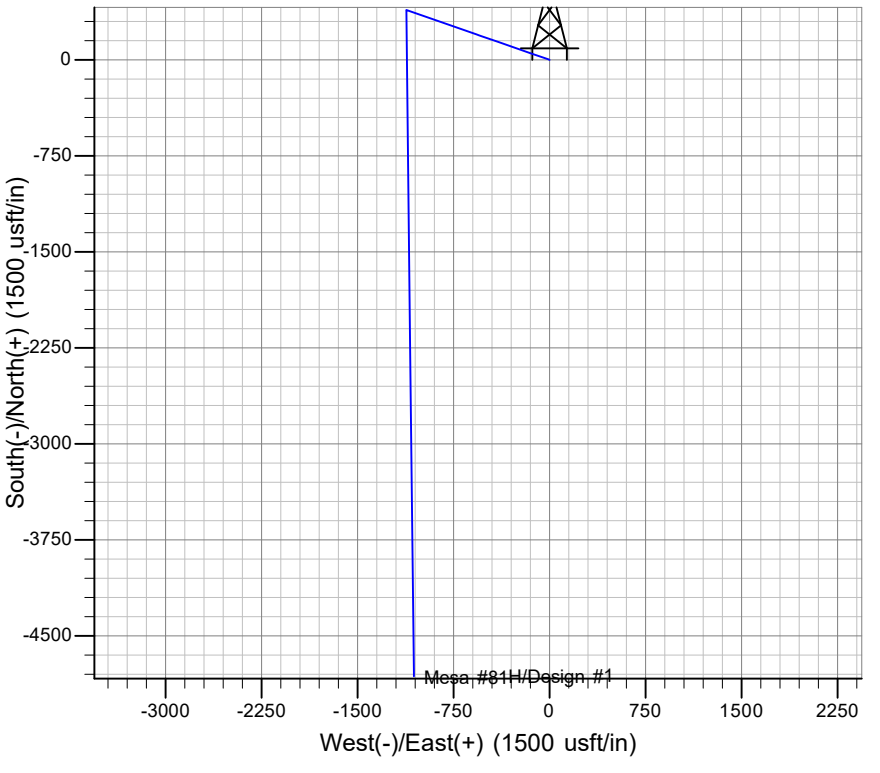
WELL DETAILS: Mesa #81H

3241.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	387568.87	753177.25	32° 3' 49.182 N	103° 38' 58.154 W	

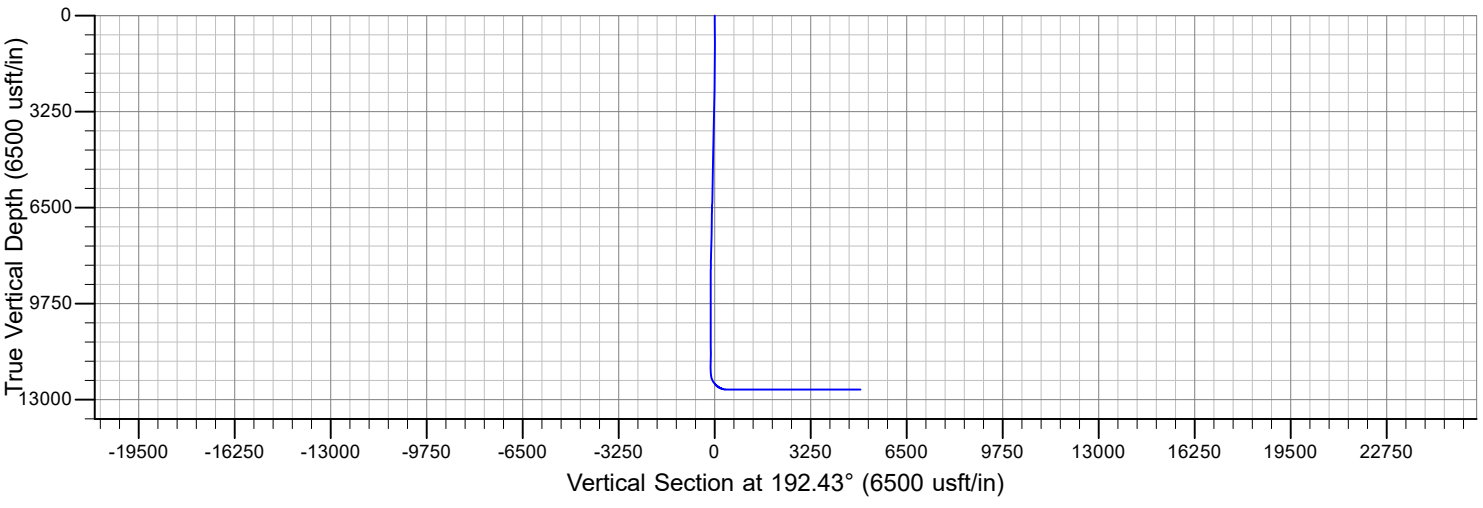
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
1772.8	0.00	0.00	1772.8	0.0	0.0	0.0	0.0	Start Build 2.00
2272.8	10.00	289.20	2270.3	14.3	-41.1	-5.1	43.5	Start 6328.4 hold at 2272.8 MD
8601.2	10.00	289.20	8502.5	375.7	-1078.9	-134.7	1142.4	Start Drop -2.00
9101.2	0.00	0.00	9000.0	390.0	-1120.0	-139.8	1186.0	Start 3093.0 hold at 9101.2 MD
12194.3	0.00	0.00	12093.0	390.0	-1120.0	-139.8	1186.0	Start Build 10.00
13094.3	90.00	179.35	12666.0	-182.9	-1113.5	418.3	1758.9	Start 4632.8 hold at 13094.3 MD
17727.0	90.00	179.35	12666.0	-4815.4	-1061.2	4931.0	6391.7	TD at 17727.0



Azimuths to Grid North
True North: -0.36°
Magnetic North: 7.41°

Magnetic Field
Strength: 48689.3nT
Dip Angle: 60.08°
Date: 12/31/2009
Model: IGRF200510



BTA Oil Producers, LLC

Lea County, NM (NAD 83)
Mesa Sec 11, T26S, R32E
Mesa #81H

Wellbore #1

Plan: Design #1

Standard Planning Report

17 April, 2025

Microsoft
Planning Report

Database:	EDM16	**Local Co-ordinate Reference:**	Well Mesa #81H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3241.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3241.0usft
Site:	Mesa Sec 11, T26S, R32E	**North Reference:**	Grid
Well:	Mesa #81H	**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 11, T26S, R32E

Site Position:		**Northing:**	387,721.83 usft	**Latitude:**	32° 3' 50.761 N
From:	Map	**Easting:**	752,135.43 usft	**Longitude:**	103° 39' 10.249 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Mesa #81H

Well Position	**+N/-S**	0.0 usft	**Northing:**	387,568.87 usft	**Latitude:**	32° 3' 49.182 N
	+E/-W	0.0 usft	**Easting:**	753,177.25 usft	**Longitude:**	103° 38' 58.154 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,241.0 usft
Grid Convergence:		0.36 °				

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.77	60.08	48,689.31875374

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	192.43

Plan Survey Tool Program **Date** 4/17/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	9,101.2	Design #1 (Wellbore #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	
1,772.8	0.00	0.00	1,772.8	0.0	0.0	0.00	0.00	0.00	0.00	
2,272.8	10.00	289.20	2,270.3	14.3	-41.1	2.00	2.00	0.00	289.20	
8,601.2	10.00	289.20	8,502.5	375.7	-1,078.9	0.00	0.00	0.00	0.00	
9,101.2	0.00	0.00	9,000.0	390.0	-1,120.0	2.00	-2.00	0.00	180.00	

Microsoft
Planning Report

Database:	EDM16	**Local Co-ordinate Reference:**	Well Mesa #81H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3241.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3241.0usft
Site:	Mesa Sec 11, T26S, R32E	**North Reference:**	Grid
Well:	Mesa #81H	**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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,772.8	0.00	0.00	1,772.8	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,800.0	0.54	289.20	1,800.0	0.0	-0.1	0.0	2.00	2.00	0.00
1,900.0	2.54	289.20	1,900.0	0.9	-2.7	-0.3	2.00	2.00	0.00
2,000.0	4.54	289.20	1,999.8	3.0	-8.5	-1.1	2.00	2.00	0.00
2,100.0	6.54	289.20	2,099.3	6.1	-17.6	-2.2	2.00	2.00	0.00
2,200.0	8.54	289.20	2,198.4	10.5	-30.0	-3.7	2.00	2.00	0.00
2,272.8	10.00	289.20	2,270.3	14.3	-41.1	-5.1	2.00	2.00	0.00
Start 6328.4 hold at 2272.8 MD									
2,300.0	10.00	289.20	2,297.1	15.9	-45.6	-5.7	0.00	0.00	0.00
2,400.0	10.00	289.20	2,395.5	21.6	-62.0	-7.7	0.00	0.00	0.00
2,500.0	10.00	289.20	2,494.0	27.3	-78.4	-9.8	0.00	0.00	0.00
2,600.0	10.00	289.20	2,592.5	33.0	-94.8	-11.8	0.00	0.00	0.00
2,700.0	10.00	289.20	2,691.0	38.7	-111.2	-13.9	0.00	0.00	0.00
2,800.0	10.00	289.20	2,789.5	44.4	-127.6	-15.9	0.00	0.00	0.00
2,900.0	10.00	289.20	2,887.9	50.1	-144.0	-18.0	0.00	0.00	0.00
3,000.0	10.00	289.20	2,986.4	55.8	-160.4	-20.0	0.00	0.00	0.00
3,100.0	10.00	289.20	3,084.9	61.5	-176.8	-22.1	0.00	0.00	0.00
3,200.0	10.00	289.20	3,183.4	67.3	-193.2	-24.1	0.00	0.00	0.00
3,300.0	10.00	289.20	3,281.9	73.0	-209.6	-26.2	0.00	0.00	0.00
3,400.0	10.00	289.20	3,380.3	78.7	-225.9	-28.2	0.00	0.00	0.00
3,500.0	10.00	289.20	3,478.8	84.4	-242.3	-30.3	0.00	0.00	0.00
3,600.0	10.00	289.20	3,577.3	90.1	-258.7	-32.3	0.00	0.00	0.00
3,700.0	10.00	289.20	3,675.8	95.8	-275.1	-34.4	0.00	0.00	0.00
3,800.0	10.00	289.20	3,774.3	101.5	-291.5	-36.4	0.00	0.00	0.00
3,900.0	10.00	289.20	3,872.7	107.2	-307.9	-38.4	0.00	0.00	0.00
4,000.0	10.00	289.20	3,971.2	112.9	-324.3	-40.5	0.00	0.00	0.00
4,100.0	10.00	289.20	4,069.7	118.7	-340.7	-42.5	0.00	0.00	0.00
4,200.0	10.00	289.20	4,168.2	124.4	-357.1	-44.6	0.00	0.00	0.00
4,300.0	10.00	289.20	4,266.7	130.1	-373.5	-46.6	0.00	0.00	0.00
4,400.0	10.00	289.20	4,365.1	135.8	-389.9	-48.7	0.00	0.00	0.00
4,500.0	10.00	289.20	4,463.6	141.5	-406.3	-50.7	0.00	0.00	0.00
4,600.0	10.00	289.20	4,562.1	147.2	-422.7	-52.8	0.00	0.00	0.00
4,700.0	10.00	289.20	4,660.6	152.9	-439.1	-54.8	0.00	0.00	0.00
4,800.0	10.00	289.20	4,759.1	158.6	-455.5	-56.9	0.00	0.00	0.00

Microsoft

Planning Report

Database:	EDM16	**Local Co-ordinate Reference:**	Well Mesa #81H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3241.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3241.0usft
Site:	Mesa Sec 11, T26S, R32E	**North Reference:**	Grid
Well:	Mesa #81H	**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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.0	10.00	289.20	4,857.6	164.3	-471.9	-58.9	0.00	0.00	0.00
5,000.0	10.00	289.20	4,956.0	170.0	-488.3	-61.0	0.00	0.00	0.00
5,100.0	10.00	289.20	5,054.5	175.8	-504.7	-63.0	0.00	0.00	0.00
5,200.0	10.00	289.20	5,153.0	181.5	-521.1	-65.1	0.00	0.00	0.00
5,300.0	10.00	289.20	5,251.5	187.2	-537.5	-67.1	0.00	0.00	0.00
5,400.0	10.00	289.20	5,350.0	192.9	-553.9	-69.2	0.00	0.00	0.00
5,500.0	10.00	289.20	5,448.4	198.6	-570.3	-71.2	0.00	0.00	0.00
5,600.0	10.00	289.20	5,546.9	204.3	-586.7	-73.3	0.00	0.00	0.00
5,700.0	10.00	289.20	5,645.4	210.0	-603.1	-75.3	0.00	0.00	0.00
5,800.0	10.00	289.20	5,743.9	215.7	-619.5	-77.3	0.00	0.00	0.00
5,900.0	10.00	289.20	5,842.4	221.4	-635.9	-79.4	0.00	0.00	0.00
6,000.0	10.00	289.20	5,940.8	227.1	-652.3	-81.4	0.00	0.00	0.00
6,100.0	10.00	289.20	6,039.3	232.9	-668.7	-83.5	0.00	0.00	0.00
6,200.0	10.00	289.20	6,137.8	238.6	-685.1	-85.5	0.00	0.00	0.00
6,300.0	10.00	289.20	6,236.3	244.3	-701.5	-87.6	0.00	0.00	0.00
6,400.0	10.00	289.20	6,334.8	250.0	-717.9	-89.6	0.00	0.00	0.00
6,500.0	10.00	289.20	6,433.2	255.7	-734.3	-91.7	0.00	0.00	0.00
6,600.0	10.00	289.20	6,531.7	261.4	-750.7	-93.7	0.00	0.00	0.00
6,700.0	10.00	289.20	6,630.2	267.1	-767.1	-95.8	0.00	0.00	0.00
6,800.0	10.00	289.20	6,728.7	272.8	-783.5	-97.8	0.00	0.00	0.00
6,900.0	10.00	289.20	6,827.2	278.5	-799.9	-99.9	0.00	0.00	0.00
7,000.0	10.00	289.20	6,925.6	284.3	-816.3	-101.9	0.00	0.00	0.00
7,100.0	10.00	289.20	7,024.1	290.0	-832.7	-104.0	0.00	0.00	0.00
7,200.0	10.00	289.20	7,122.6	295.7	-849.1	-106.0	0.00	0.00	0.00
7,300.0	10.00	289.20	7,221.1	301.4	-865.5	-108.1	0.00	0.00	0.00
7,400.0	10.00	289.20	7,319.6	307.1	-881.9	-110.1	0.00	0.00	0.00
7,500.0	10.00	289.20	7,418.1	312.8	-898.3	-112.1	0.00	0.00	0.00
7,600.0	10.00	289.20	7,516.5	318.5	-914.7	-114.2	0.00	0.00	0.00
7,700.0	10.00	289.20	7,615.0	324.2	-931.1	-116.2	0.00	0.00	0.00
7,800.0	10.00	289.20	7,713.5	329.9	-947.5	-118.3	0.00	0.00	0.00
7,900.0	10.00	289.20	7,812.0	335.6	-963.9	-120.3	0.00	0.00	0.00
8,000.0	10.00	289.20	7,910.5	341.4	-980.3	-122.4	0.00	0.00	0.00
8,100.0	10.00	289.20	8,008.9	347.1	-996.7	-124.4	0.00	0.00	0.00
8,200.0	10.00	289.20	8,107.4	352.8	-1,013.1	-126.5	0.00	0.00	0.00
8,300.0	10.00	289.20	8,205.9	358.5	-1,029.5	-128.5	0.00	0.00	0.00
8,400.0	10.00	289.20	8,304.4	364.2	-1,045.9	-130.6	0.00	0.00	0.00
8,500.0	10.00	289.20	8,402.9	369.9	-1,062.3	-132.6	0.00	0.00	0.00
8,600.0	10.00	289.20	8,501.3	375.6	-1,078.7	-134.7	0.00	0.00	0.00
8,601.2	10.00	289.20	8,502.5	375.7	-1,078.9	-134.7	0.00	0.00	0.00
Start Drop -2.00									
8,700.0	8.02	289.20	8,600.1	380.8	-1,093.5	-136.5	2.00	-2.00	0.00
8,800.0	6.02	289.20	8,699.3	384.8	-1,105.1	-138.0	2.00	-2.00	0.00
8,900.0	4.02	289.20	8,799.0	387.7	-1,113.3	-139.0	2.00	-2.00	0.00
9,000.0	2.02	289.20	8,898.8	389.4	-1,118.3	-139.6	2.00	-2.00	0.00
9,100.0	0.02	289.20	8,998.8	390.0	-1,120.0	-139.8	2.00	-2.00	0.00
9,101.2	0.00	0.00	9,000.0	390.0	-1,120.0	-139.8	2.00	-2.00	0.00
Start 3093.0 hold at 9101.2 MD									
9,200.0	0.00	0.00	9,098.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
9,300.0	0.00	0.00	9,198.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
9,400.0	0.00	0.00	9,298.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
9,500.0	0.00	0.00	9,398.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
9,600.0	0.00	0.00	9,498.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
9,700.0	0.00	0.00	9,598.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
9,800.0	0.00	0.00	9,698.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00

Microsoft
Planning Report

Database:	EDM16	**Local Co-ordinate Reference:**	Well Mesa #81H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3241.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3241.0usft
Site:	Mesa Sec 11, T26S, R32E	**North Reference:**	Grid
Well:	Mesa #81H	**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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,900.0	0.00	0.00	9,798.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,000.0	0.00	0.00	9,898.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,100.0	0.00	0.00	9,998.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,200.0	0.00	0.00	10,098.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,300.0	0.00	0.00	10,198.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,400.0	0.00	0.00	10,298.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,500.0	0.00	0.00	10,398.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,600.0	0.00	0.00	10,498.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,700.0	0.00	0.00	10,598.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,800.0	0.00	0.00	10,698.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
10,900.0	0.00	0.00	10,798.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,000.0	0.00	0.00	10,898.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,100.0	0.00	0.00	10,998.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,200.0	0.00	0.00	11,098.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,300.0	0.00	0.00	11,198.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,400.0	0.00	0.00	11,298.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,500.0	0.00	0.00	11,398.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,600.0	0.00	0.00	11,498.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,700.0	0.00	0.00	11,598.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,800.0	0.00	0.00	11,698.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
11,900.0	0.00	0.00	11,798.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
12,000.0	0.00	0.00	11,898.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
12,100.0	0.00	0.00	11,998.8	390.0	-1,120.0	-139.8	0.00	0.00	0.00
12,194.3	0.00	0.00	12,093.0	390.0	-1,120.0	-139.8	0.00	0.00	0.00
Start Build 10.00									
12,200.0	0.57	179.35	12,098.8	390.0	-1,120.0	-139.8	10.00	10.00	0.00
12,300.0	10.57	179.35	12,198.2	380.3	-1,119.9	-130.3	10.00	10.00	0.00
12,400.0	20.57	179.35	12,294.4	353.5	-1,119.6	-104.2	10.00	10.00	0.00
12,500.0	30.57	179.35	12,384.5	310.3	-1,119.1	-62.2	10.00	10.00	0.00
12,600.0	40.57	179.35	12,465.7	252.2	-1,118.4	-5.6	10.00	10.00	0.00
12,700.0	50.57	179.35	12,535.6	180.9	-1,117.6	63.8	10.00	10.00	0.00
12,800.0	60.57	179.35	12,592.1	98.5	-1,116.7	144.1	10.00	10.00	0.00
12,900.0	70.57	179.35	12,633.4	7.6	-1,115.7	232.7	10.00	10.00	0.00
13,000.0	80.57	179.35	12,658.3	-89.1	-1,114.6	326.9	10.00	10.00	0.00
13,094.3	90.00	179.35	12,666.0	-182.9	-1,113.5	418.3	10.00	10.00	0.00
Start 4632.8 hold at 13094.3 MD									
13,100.0	90.00	179.35	12,666.0	-188.7	-1,113.5	423.9	0.00	0.00	0.00
13,200.0	90.00	179.35	12,666.0	-288.7	-1,112.3	521.3	0.00	0.00	0.00
13,300.0	90.00	179.35	12,666.0	-388.7	-1,111.2	618.7	0.00	0.00	0.00
13,400.0	90.00	179.35	12,666.0	-488.6	-1,110.1	716.1	0.00	0.00	0.00
13,500.0	90.00	179.35	12,666.0	-588.6	-1,108.9	813.5	0.00	0.00	0.00
13,600.0	90.00	179.35	12,666.0	-688.6	-1,107.8	910.9	0.00	0.00	0.00
13,700.0	90.00	179.35	12,666.0	-788.6	-1,106.7	1,008.3	0.00	0.00	0.00
13,800.0	90.00	179.35	12,666.0	-888.6	-1,105.6	1,105.7	0.00	0.00	0.00
13,900.0	90.00	179.35	12,666.0	-988.6	-1,104.4	1,203.1	0.00	0.00	0.00
14,000.0	90.00	179.35	12,666.0	-1,088.6	-1,103.3	1,300.5	0.00	0.00	0.00
14,100.0	90.00	179.35	12,666.0	-1,188.6	-1,102.2	1,397.9	0.00	0.00	0.00
14,200.0	90.00	179.35	12,666.0	-1,288.6	-1,101.0	1,495.4	0.00	0.00	0.00
14,300.0	90.00	179.35	12,666.0	-1,388.6	-1,099.9	1,592.8	0.00	0.00	0.00
14,400.0	90.00	179.35	12,666.0	-1,488.6	-1,098.8	1,690.2	0.00	0.00	0.00
14,500.0	90.00	179.35	12,666.0	-1,588.6	-1,097.6	1,787.6	0.00	0.00	0.00
14,600.0	90.00	179.35	12,666.0	-1,688.6	-1,096.5	1,885.0	0.00	0.00	0.00
14,700.0	90.00	179.35	12,666.0	-1,788.6	-1,095.4	1,982.4	0.00	0.00	0.00
14,800.0	90.00	179.35	12,666.0	-1,888.6	-1,094.3	2,079.8	0.00	0.00	0.00

Microsoft
Planning Report

Database:	EDM16	**Local Co-ordinate Reference:**	Well Mesa #81H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3241.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3241.0usft
Site:	Mesa Sec 11, T26S, R32E	**North Reference:**	Grid
Well:	Mesa #81H	**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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,900.0	90.00	179.35	12,666.0	-1,988.6	-1,093.1	2,177.2	0.00	0.00	0.00
15,000.0	90.00	179.35	12,666.0	-2,088.5	-1,092.0	2,274.6	0.00	0.00	0.00
15,100.0	90.00	179.35	12,666.0	-2,188.5	-1,090.9	2,372.0	0.00	0.00	0.00
15,200.0	90.00	179.35	12,666.0	-2,288.5	-1,089.7	2,469.4	0.00	0.00	0.00
15,300.0	90.00	179.35	12,666.0	-2,388.5	-1,088.6	2,566.8	0.00	0.00	0.00
15,400.0	90.00	179.35	12,666.0	-2,488.5	-1,087.5	2,664.2	0.00	0.00	0.00
15,500.0	90.00	179.35	12,666.0	-2,588.5	-1,086.4	2,761.7	0.00	0.00	0.00
15,600.0	90.00	179.35	12,666.0	-2,688.5	-1,085.2	2,859.1	0.00	0.00	0.00
15,700.0	90.00	179.35	12,666.0	-2,788.5	-1,084.1	2,956.5	0.00	0.00	0.00
15,800.0	90.00	179.35	12,666.0	-2,888.5	-1,083.0	3,053.9	0.00	0.00	0.00
15,900.0	90.00	179.35	12,666.0	-2,988.5	-1,081.8	3,151.3	0.00	0.00	0.00
16,000.0	90.00	179.35	12,666.0	-3,088.5	-1,080.7	3,248.7	0.00	0.00	0.00
16,100.0	90.00	179.35	12,666.0	-3,188.5	-1,079.6	3,346.1	0.00	0.00	0.00
16,200.0	90.00	179.35	12,666.0	-3,288.5	-1,078.4	3,443.5	0.00	0.00	0.00
16,300.0	90.00	179.35	12,666.0	-3,388.5	-1,077.3	3,540.9	0.00	0.00	0.00
16,400.0	90.00	179.35	12,666.0	-3,488.5	-1,076.2	3,638.3	0.00	0.00	0.00
16,500.0	90.00	179.35	12,666.0	-3,588.4	-1,075.1	3,735.7	0.00	0.00	0.00
16,600.0	90.00	179.35	12,666.0	-3,688.4	-1,073.9	3,833.1	0.00	0.00	0.00
16,700.0	90.00	179.35	12,666.0	-3,788.4	-1,072.8	3,930.5	0.00	0.00	0.00
16,800.0	90.00	179.35	12,666.0	-3,888.4	-1,071.7	4,027.9	0.00	0.00	0.00
16,900.0	90.00	179.35	12,666.0	-3,988.4	-1,070.5	4,125.4	0.00	0.00	0.00
17,000.0	90.00	179.35	12,666.0	-4,088.4	-1,069.4	4,222.8	0.00	0.00	0.00
17,100.0	90.00	179.35	12,666.0	-4,188.4	-1,068.3	4,320.2	0.00	0.00	0.00
17,200.0	90.00	179.35	12,666.0	-4,288.4	-1,067.1	4,417.6	0.00	0.00	0.00
17,300.0	90.00	179.35	12,666.0	-4,388.4	-1,066.0	4,515.0	0.00	0.00	0.00
17,400.0	90.00	179.35	12,666.0	-4,488.4	-1,064.9	4,612.4	0.00	0.00	0.00
17,500.0	90.00	179.35	12,666.0	-4,588.4	-1,063.8	4,709.8	0.00	0.00	0.00
17,600.0	90.00	179.35	12,666.0	-4,688.4	-1,062.6	4,807.2	0.00	0.00	0.00
17,700.0	90.00	179.35	12,666.0	-4,788.4	-1,061.5	4,904.6	0.00	0.00	0.00
17,727.0	90.00	179.35	12,666.0	-4,815.4	-1,061.2	4,931.0	0.00	0.00	0.00
TD at 17727.0									

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
Mesa #81H BHL - plan hits target center - Point	0.00	0.00	12,666.0	-4,815.4	-1,061.2	382,753.64	752,116.10	32° 3' 1.599 N	103° 39' 10.838 W

Microsoft
Planning Report

Database:	EDM16	**Local Co-ordinate Reference:**	Well Mesa #81H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3241.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3241.0usft
Site:	Mesa Sec 11, T26S, R32E	**North Reference:**	Grid
Well:	Mesa #81H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
1,772.8	1,772.8	0.0	0.0	Start Build 2.00
2,272.8	2,270.3	14.3	-41.1	Start 6328.4 hold at 2272.8 MD
8,601.2	8,502.5	375.7	-1,078.9	Start Drop -2.00
9,101.2	9,000.0	390.0	-1,120.0	Start 3093.0 hold at 9101.2 MD
12,194.3	12,093.0	390.0	-1,120.0	Start Build 10.00
13,094.3	12,666.0	-182.9	-1,113.5	Start 4632.8 hold at 13094.3 MD
17,727.0	12,666.0	-4,815.4	-1,061.2	TD at 17727.0

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BTA OIL PRODUCERS LLC
WELL NAME & NO.:	MESA 8105 11 FED 81H
LOCATION:	Section 11, T.26 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	( ) Low	(•) Medium	( ) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[ ] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[ ] Contingency Cement Squeeze	[ ] EchoMeter	[ ] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[ ] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[ ] Break Testing	[ ] Offline Cementing	[ ] Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1100 feet per BLM Geologist** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **17-1/2 inch** in diameter.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature

Approval Date: 08/29/2025

survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
  Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) psi.**

   a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
   b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
   c. Manufacturer representative shall install the test plug for the initial BOP test.
   d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
   e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☒ Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like

pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).

b. When the operator proposes to set surface casing with Spudder Rig
   i. Notify the BLM when moving in and removing the Spudder Rig.
   ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
   iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement

reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
    i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
    ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

v. The results of the test shall be reported to the appropriate BLM office.

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material

or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JS 8/27/2025

Approval Date: 08/29/2025

BTA OIL PRODUCERS LLC

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

a. The hazards and characteristics of hydrogen sulfide (H_2S).
b. The proper use and maintenance of personal protective equipment and life support systems.
c. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
c. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

a. Well Control Equipment:
Flare line.
Choke manifold with remotely operated choke.
Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.
b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
c. H2S detection and monitoring equipment:

2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.

d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.

f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

g. Communication:
Company vehicles equipped with cellular telephone.

W A R N I N G

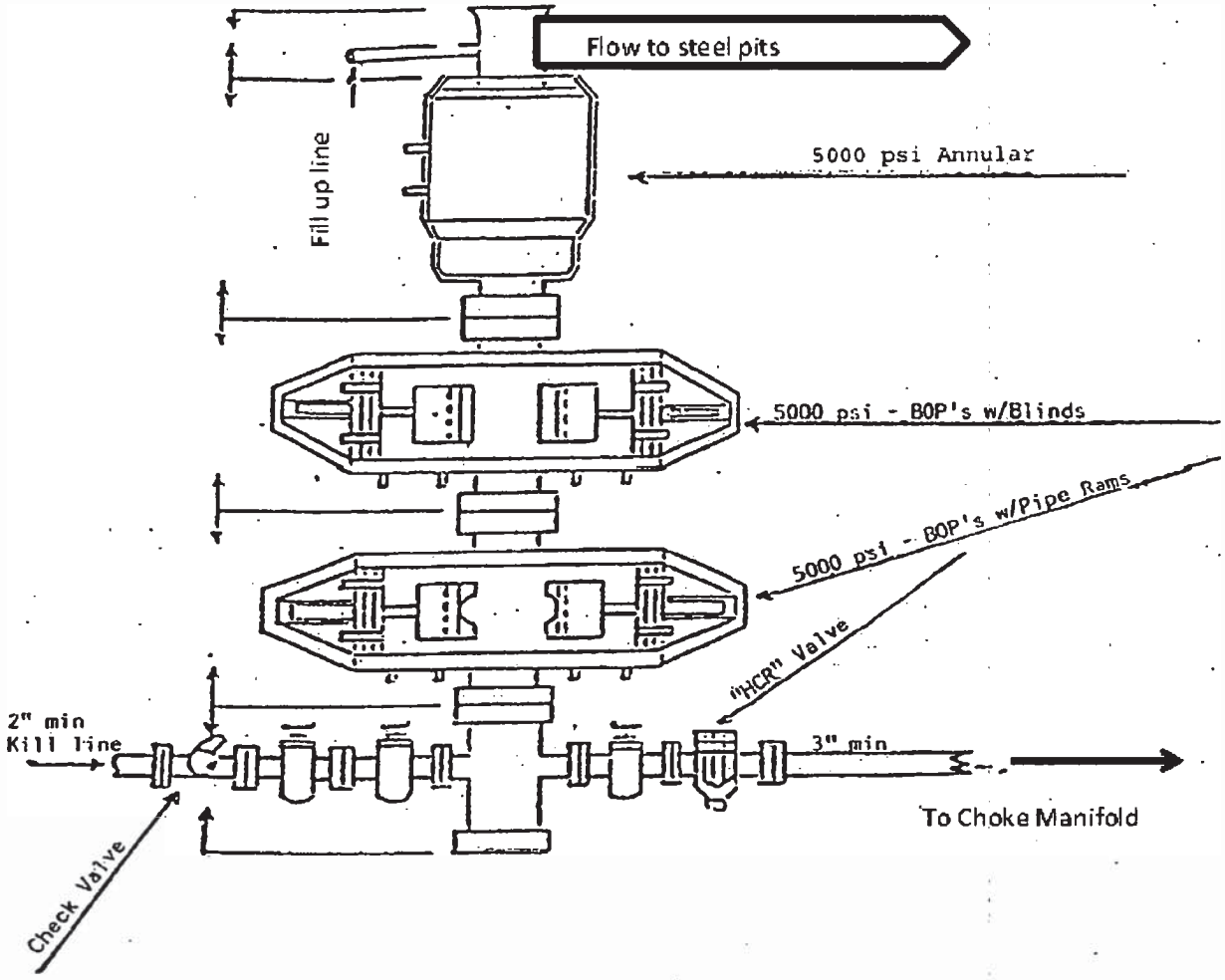
YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

1. ***BEARDS OR CONTACT LENSES NOT ALLOWED***
2. ***HARD HATS REQUIRED***
3. ***SMOKING IN DESIGNATED AREAS ONLY***
4. ***BE WIND CONSCIOUS AT ALL TIMES***
5. ***CK WITH BTA OIL PRODUCERS LLC FOREMAN AT MAIN OFFICE***

BTA OIL PRODUCERS LLC

1-432-682-3753

13-5/8" 5,000 PSI BOP



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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 499549
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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Phone: (505) 476-3441

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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

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 499549
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
sammy hajar	Cement is required to circulate on both surface and intermediate1 strings of casing.	9/2/2025
sammy hajar	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	9/2/2025
matthew.gomez	Intermediate liner top must be set a minimum of 200' into the previous casing string.	9/4/2025
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	9/4/2025
matthew.gomez	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	9/4/2025
matthew.gomez	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	9/4/2025
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	9/4/2025