

Well Name: MESA B 8115 FED	Well Location: T26S / R33E / SEC 7 / NENE / 32.064032 / -103.60543	County or Parish/State: LEA / NM
Well Number: 16H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0160973	Unit or CA Name: MESA B 8105 JV-P COM	Unit or CA Number: NMNM82045
US Well Number: 3002546856	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 08/04/2021	Time Sundry Submitted: 12:49
Date proposed operation will begin: 08/04/2021	

Procedure Description: BTA OIL PRODUCERS LLC RESPECTFULLY REQUESTS THE FOLLOWING MUD, CASING, CEMENT, VARIANCE, FOOTAGE, NAME, AND FIELD & POOL CHANGES TO THE ORIGINAL APD AS APPROVED. PLEASE SEE ATTACHED DOCUMENTS FOR MORE DETAILS. ORIGINAL APD NAME: MESA B 8115 FED COM 16H NEW APD NAME: MESA B 8115 FED 16H ORIGINAL FIELD AND POOL: SANDERS TANK / UPPER WOLFCAMP NEW FIELD AND POOL: JENNINGS / BONE SPRING ORIGINAL FOOTAGES SHL: 460' FNL, 800' FEL (NO CHANGE) FTP: 100' FNL, 1650' FEL LTP: 100' FSL, 1650' FEL BHL: 50' FSL, 1650' FEL NEW FOOTAGES FTP: 100' FNL, 1980' FEL LTP: 100' FSL, 1980' FEL BHL: 50' FSL, 1980' FEL

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Mesa_B_16H__Sundry_8_4_21__mud_casing_cement_variance__20210804124618.pdf
- NEW_SIGNED_8_4_21_MESA_B_8115_FED_16H_C102_20210804124541.pdf

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Conditions of Approval

Specialist Review

Mesa_B_8115_Fed_Com_16H_COA_Sundry_2627121_OTA_20210804222416.pdf

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: AUG 04, 2021 12:47 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: CHRISTOPHER WALLS
BLM POC Phone: 5752342234
Disposition: Approved
Signature: Chris Walls
BLM POC Title: Petroleum Engineer
BLM POC Email Address: cwalls@blm.gov
Disposition Date: 08/05/2021

BTA OIL PRODUCERS LLC RESPECTFULLY REQUEST THE FOLLOWING CHANGES TO THE ORIGINAL APD AS APPROVED.

Mud Program:

Mesa B 8115 7 Fed Com #16H

Original Permit

- Surface Section – Fresh water 8.3 - 8.4 ppg
- Intermediate – DBE 9.0 - 9.4 ppg
- Production – OBM 11.5 – 12.0 ppg

Proposed Change

- Surface Section – Fresh water 8.4 ppg
- Intermediate – Brine 10.0 – 10.2 ppg
- Production – DBE 8.7 – 9.4 ppg

Casing Programs

Mesa B 8115 7 Fed Com #16H

Original APD

- Surface
10-3/4” 54.5# J-55 STC set at 890’ in a 14-3/4” hole
- Intermediate
9-7/8” hole from 890’ to 8056’ and 8-3/4” hole from 8056’ – 11933’. 7-5/8” 29.7# P-110 BTC from 0 - 7700’ and 7-5/8” 29.7# P-110 Cobra SP semi flush from 7700’ – 11993’ and DV tool at 4741’
- Production
11733’ of 5-1/2” 20# P-110 BTC and 5791’ of 5” 18# P-110 BTC set at 17524’ (12490’ TVD) in a 6-3/4” hole

Proposed Change

- Surface
13-3/8” 54.5# J-55 STC set at 830’ in a 17-1/2” hole
- Intermediate
9-5/8” 40# J-55 @ 4807’ in a 12-1/4” hole
- Production
17022’ of 5-1/2” 17# P-110 BTC set at 17022’ (11954’ TVD) in a 8-3/4” hole

Cement Programs

Mesa B 8115 7 Fed Com #16H

Original

- Surface Cement
Lead 400 sx; 1.80 cfs; 13.5 ppg; 100% Class C; 100% excess
Tail 200 sx; 1.34 cfs; 14.8 ppg; 100% Class C; 100% excess
- Intermediate Cement
Stage 1 Lead 305 sx; 2.64 cfs; 10.5 ppg; 50:50 Class H; 25% excess
Stage 1 Tail 400 sx; 1.19 cfs; 15.6 ppg; 100% Class H; 25% excess
Stage 2 Lead 695 sx; 2.19 cfs; 12.7 ppg 100% Class C; 50% excess
Stage 2 Tail 150 sx; 1.33 cfs; 14.8 ppg; 100% Class C; 50% excess
- Production Cement
Lead 640 sx; 1.27 cfs; 14.8 ppg; 50% POZ 50% Class H; 0% excess

Proposed Change

- Surface Cement
 - Lead 400 sx; 1.73 cfs; 13.5 ppg; 100% Class C; 100% excess
 - Tail 340 sx; 1.35 cfs; 14.8 ppg; 100% Class C; 100% excess
- Intermediate Cement
 - Lead 1255 sx; 2.46 cfs; 10.5 ppg; 50:50 Class C; 100% excess
 - Tail 200 sx; 1.34 cfs; 15.6 ppg; 100% Class C; 25% excess
- Production Cement
 - Lead 550 sx; 1.52 cfs; 10.5 ppg; 25% POZ 75% Class H; 60% excess
 - Tail 1910 sx; 1.25 cfs; 14.4 ppg; 100% Class H; 10% excess

Variances:

- BTA requests permission to allow BOP Break Testing for each well on the pad under the following conditions:
 - After a full BOP test is conducted on the first well on the pad.
 - When skidding to drill a hole section that does not penetrate the Wolfcamp.
 - Full BOP test prior to drilling any hole section that requires a 10M BOP approval.

Wells on Pad include:

- Mesa B 8115 7 Fed Com #14H
- Mesa B 8115 7 Fed Com #15H
- Mesa B 8115 7 Fed Com #16H
- Mesa B 8115 7 Fed Com #17H

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
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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) 476-3462State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-46856	Pool Code	Pool Name JENNINGS ; BONE SPRING
Property Code	Property Name MESA B 8115 FED	Well Number 16H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3300'

Surface Location

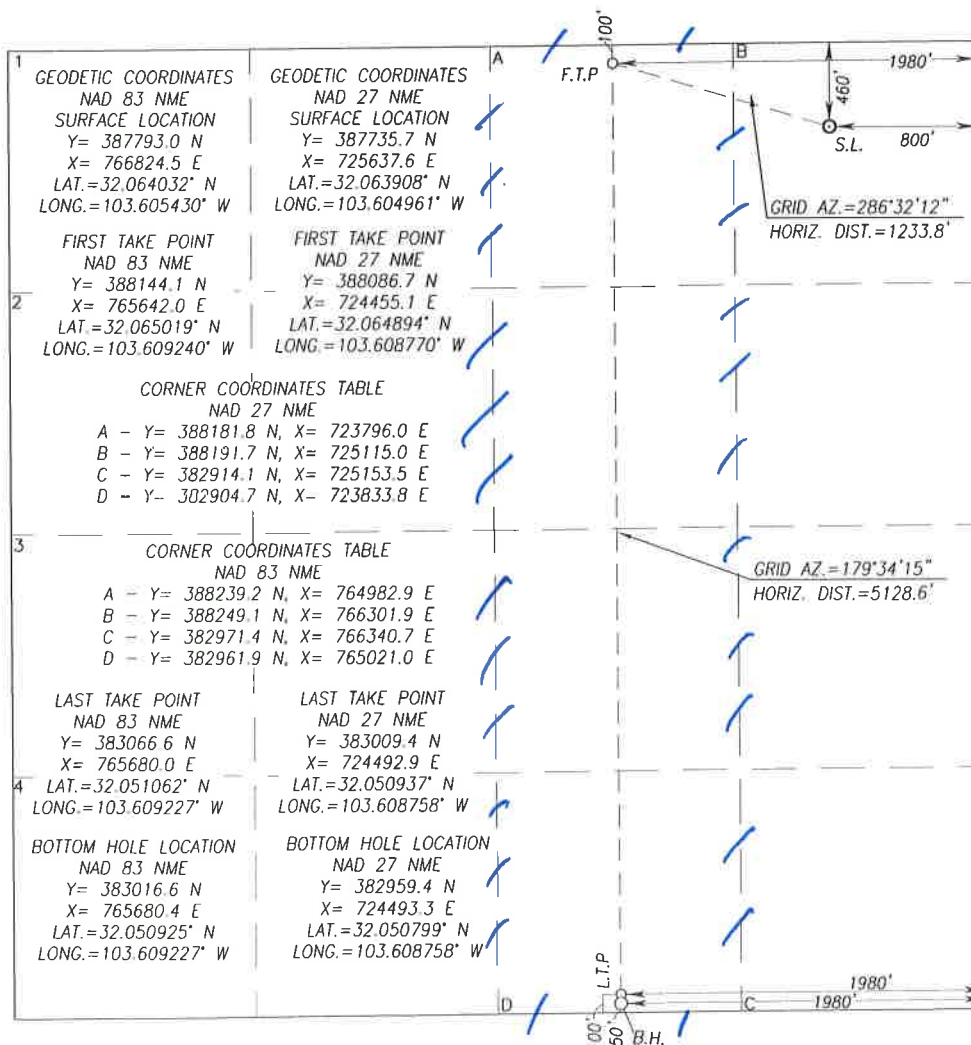
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7	26-S	33-E		460	NORTH	800	EAST	LEA

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
O	7	26-S	33-E		50	SOUTH	1980	EAST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sammy Hajar
Signature

8/4/2021

Date

Printed Name

SIIAJAR@BTAOIL.COM

E-mail Address

SURVEYOR CERTIFICATION

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

Date of Survey

3239

Signature of Registered Professional Surveyor:

Ronald J. Eidson
Certificate Number

8/03/2021

Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL Rel WO 19111137 JWSC WO 21130294

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BTA OIL PRODUCERS, LLC
LEASE NO.:	NMNM0160973
WELL NAME & NO.:	MESA B 8115 FED 16H
SURFACE HOLE FOOTAGE:	460'N & 800'E
BOTTOM HOLE FOOTAGE:	50'S & 1980'E
LOCATION:	SECTION 7, T26S, R33E, NMPM
COUNTY:	LEA COUNTY, NEW MEXICO

COA

H2S	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input type="radio"/> Multibowl	<input checked="" type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

All previous COAs still apply.

A. CASING

Primary Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **830 feet** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - 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 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.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing which shall be set at approximately **4,807 feet** 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.
 - ❖ 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.
Excess cement calculates to 3%, additional cement might be required.

B. 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.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** 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.

BOP Break Testing Variance (Note: For 5M BOP or less)

- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer prior to the commencement of any BOP Break Testing operations.
- A full BOP test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOP test will be required.

OTA08042020

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

CONDITIONS

Action 40707

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 40707
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/28/2021