

OCD HOBBS  
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM0160973
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BTA OIL PRODUCERS LLC (260297)		7. If Unit or CA Agreement, Name and No.
3a. Address 104 S. Pecos Midland TX 79701		8. Lease Name and Well No. (321506) MESA B 8115 7 9H
3b. Phone No. (include area code) (432)682-3753		9. APT Well No. 30-025-44889
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWSE / 200 FSL / 1898 FEL / LAT 32.051337 / LONG -103.608962 At proposed prod. zone NENE / 50 FNL / 660 FEL / LAT 32.06516 / LONG -103.60498		10. Field and Pool, or Exploratory (97994) WC 025 G 06 S253329D / UPPER BN SI
11. Sec., T. R. M. or Blk. and Survey or Area SEC 7 / T26S / R33E / NMP		12. County or Parish LEA
13. State NM		14. Distance in miles and direction from nearest town or post office* 25 miles
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 50 feet	16. No. of acres in lease 1238.72	17. Spacing Unit dedicated to this well 160
18. Distance from proposed location* to nearest well, drilling, completed, 1414 feet applied for, on this lease, ft.	19. Proposed Depth 9774 feet / 14899 feet	20. BLM/BIA Bond No. on file FED: NM1195
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3237 feet	22. Approximate date work will start* 02/01/2018	23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

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

25. Signature (Electronic Submission)	Name (Printed/Typed) Kayla McConnell / Ph: (432)682-3753	Date 05/24/2017
Title Regulatory Analyst		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 06/01/2018
Title Supervisor Multiple Resources		

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.

(Continued on page 2)

Rec GCP 06/08/18

\*(Instructions on page 2)

KZ  
06/12/18

**APPROVED WITH CONDITIONS**  
Approval Date: 06/01/2018

## INSTRUCTIONS

**GENERAL:** This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

**ITEM 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

**ITEM 4:** Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

**ITEM 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

**ITEMS 15 AND 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

**ITEM 22:** Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

**PRINCIPAL PURPOSES:** The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

**ROUTINE USE:** Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN-HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

**Additional Operator Remarks**

**Location of Well**

- 1. SHL: SWSE / 200 FSL / 1898 FEL / TWSP: 26S / RANGE: 33E / SECTION: 7 / LAT: 32.051337 / LONG: -103.608962 ( TVD: 0 feet, MD: 0 feet )
- PPP: SESE / 330 FSL / 1929 FEL / TWSP: 26S / RANGE: 33E / SECTION: 7 / LAT: 32.051696 / LONG: -103.604968 ( TVD: 9774 feet, MD: 10150 feet )
- BHL: NENE / 50 FNL / 660 FEL / TWSP: 26S / RANGE: 33E / SECTION: 7 / LAT: 32.06516 / LONG: -103.60498 ( TVD: 9774 feet, MD: 14899 feet )

**BLM Point of Contact**

Name: Sipra Dahal  
Title: Legal Instruments Examiner  
Phone: 5752345983  
Email: sdahal@blm.gov

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## **Review and Appeal Rights**

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

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APD ID: 10400014557

Submission Date: 05/24/2017

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA B 8115 7

Well Number: 9H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data  
reflects the most  
recent changes

[Show Final Text](#)

**Section 1 - General**

APD ID: 10400014557

Tie to previous NOS? 10400011820

Submission Date: 05/24/2017

BLM Office: CARLSBAD

User: Kayla McConnell

Title: Regulatory Analyst

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM0160973

Lease Acres: 1238.72

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO

APD Operator: BTA OIL PRODUCERS LLC

Operator letter of designation:

**Operator Info**

Operator Organization Name: BTA OIL PRODUCERS LLC

Operator Address: 104 S. Pecos

Zip: 79701

Operator PO Box:

Operator City: Midland

State: TX

Operator Phone: (432)682-3753

Operator Internet Address: pinskeep@btaoil.com

**Section 2 - Well Information**

Well in Master Development Plan? NO

Mater Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: MESA B 8115 7

Well Number: 9H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: WC 025 G 06  
S253329D

Pool Name: UPPER BN SPR  
SHALE

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA B 8115 7

Well Number: 9H

Describe other minerals:

Is the proposed well in a Helium production area? N Use Existing Well Pad? YES New surface disturbance? Y

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: MESA Number: 2  
B 8115 7

Well Class: HORIZONTAL

Number of Legs:

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EXPLORATORY (WILDCAT)

Describe sub-type:

Distance to town: 25 Miles

Distance to nearest well: 1414 FT

Distance to lease line: 50 FT

Reservoir well spacing assigned acres Measurement: 160 Acres

Well plat: Mesa\_B\_8115\_7\_9H\_\_C102\_05-24-2017.pdf

Well work start Date: 02/01/2018

Duration: 45 DAYS

### Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NGVD29

Survey number:

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	200	FSL	189 8	FEL	26S	33E	7	Aliquot SWSE	32.05133 7	- 103.6089 62	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 016097 3	323 7	0	0
KOP Leg #1	200	FSL	189 8	FEL	26S	33E	7	Aliquot SWSE	32.05133 7	- 103.6089 62	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 016097 3	137 9	185 8	185 8
PPP Leg #1	330	FSL	192 9	FEL	26S	33E	7	Aliquot SESE	32.05169 6	- 103.6049 68	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	- 653 7	101 50	977 4

<b>APD ID:</b> 10400014557	<b>Submission Date:</b> 05/24/2017	<div style="border: 1px solid black; padding: 2px; font-size: small;">             Highlighted data reflects the most recent changes.         </div> <p><a href="#">Show Final Text</a></p>
<b>Operator Name:</b> BTA OIL PRODUCERS LLC		
<b>Well Name:</b> MESA B 8115 7	<b>Well Number:</b> 9H	
<b>Well Type:</b> OIL WELL	<b>Well Work Type:</b> Drill	

## Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	QUATERNARY	3237	0	0	ALLUVIUM	NONE	No
2	RUSTLER	2474	754	754		NONE	No
3	TOP SALT	1999	1229	1229	SALT	NONE	No
4	BASE OF SALT	-1271	4499	4499	SALT	NONE	No
5	DELAWARE	-1516	4744	4744		NATURAL GAS,OIL	No
6	BONE SPRING LIME	-5758	8995	8995		NATURAL GAS,OIL	No
7	BONE SPRING	-6537	9774	9774		NATURAL GAS,OIL	Yes

## Section 2 - Blowout Prevention

**Pressure Rating (PSI):** 3M

**Rating Depth:** 11100

**Equipment:** The 13-5/8" blowout preventer equipment (BOP) shown in Exhibit A will consist of a (3M system) double ram type (3000 psi WP) preventer and a bag-type (Hydril) preventer (3000 psi WP). Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. The BOP's will be installed on the 13 3/8" surface casing and utilized continuously until total depth is reached. All BOP's and associated equipment will be tested as per BLM drilling Operations Order No. 2. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines, and choke manifold having a 3000 psi WP rating.

**Requesting Variance?** YES

**Variance request:** A choke hose variance is requested. See attached test chart and spec.

**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 driller's log.

**Choke Diagram Attachment:**

Mesa\_B\_8115\_7\_\_3k\_Choke\_05-22-2017.pdf

Choke Hose - Test Chart and Specs\_12-08-2016.pdf

**BOP Diagram Attachment:**

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

Mesa\_B\_8115\_7\_\_\_3k\_Choke\_05-22-2017.pdf

Choke Hose - Test Chart and Specs\_12-08-2016.pdf

Mesa\_B\_8115\_7\_\_\_3k\_BOP\_05-22-2017.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	770	0	770	3237	2467	770	J-55	54.5	STC	3.4	8.1	DRY	12.2	DRY	20.3
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4700	0	4700	3237	-1463	4700	J-55	40	LTC	1.8	1.6	DRY	2.7	DRY	3.3
3	PRODUCTION	8.75	7.0	NEW	API	N	0	14900	0	9774	3237	-6537	14900	P-110	17	OTHER - BTC	1.6	2.3	DRY	2.6	DRY	3.2

#### Casing Attachments

**Casing ID:** 1      **String Type:** SURFACE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Mesa\_B\_8115\_7\_\_9H\_\_Casing\_Assumption\_05-24-2017.pdf

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA B 8115 7

Well Number: 9H

**Casing Attachments**

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Mesa\_B\_8115\_7\_9H\_\_Casing\_Assumption\_05-24-2017.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Mesa\_B\_8115\_7\_9H\_\_Casing\_Assumption\_05-24-2017.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
SURFACE	Lead		0	580	465	1.73	13.5	804	100	Class C	2% CaCl2
SURFACE	Tail		580	770	200	1.33	14.8	266	100	Class C	2% CaCl2
INTERMEDIATE	Lead		0	3850	1150	2.08	12.9	1150	100	Class C	6% Gel
INTERMEDIATE	Tail		3850	4700	250	1.33	14.8	332	25	Class C	0.004 GPS cf-41L
PRODUCTION	Lead		4000	8950	325	4.43	10.5	1439	15	50:50 H	0.004 GPS cf-41L

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		8950	1490 0	1320	1.22	14.8	1610	15	Class H	2% Gel

### 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 Onshore Order #2:**

**Diagram of the equipment for the circulating system in accordance with Onshore Order #2:**

**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
0	770	SPUD MUD	8.3	8.4							
770	4700	SALT SATURATED	10	10.2							
4700	9774	OTHER : Cut Brine	8.6	9.2							

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

### Section 6 - Test, Logging, Coring

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

No DST Planned

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

GR

**Coring operation description for the well:**

No cores are currently planned

### Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 4640

**Anticipated Surface Pressure:** 2489.71

**Anticipated Bottom Hole Temperature(F):** 158

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

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** NO

**Hydrogen sulfide drilling operations plan:**

### Section 8 - Other Information

**Proposed horizontal/directional/multi-lateral plan submission:**

Mesa\_B\_8115\_7\_9H\_Directional\_Plan\_05-24-2017.pdf

**Other proposed operations facets description:**

A variance is requested for a Multi Bowl Wellhead. See the attached schematic and running procedure.

**Other proposed operations facets attachment:**

H2S Plan m\_12-08-2016.pdf

H2S\_Equipment\_Schematic\_\_Well\_Pad\_05-23-2017.pdf

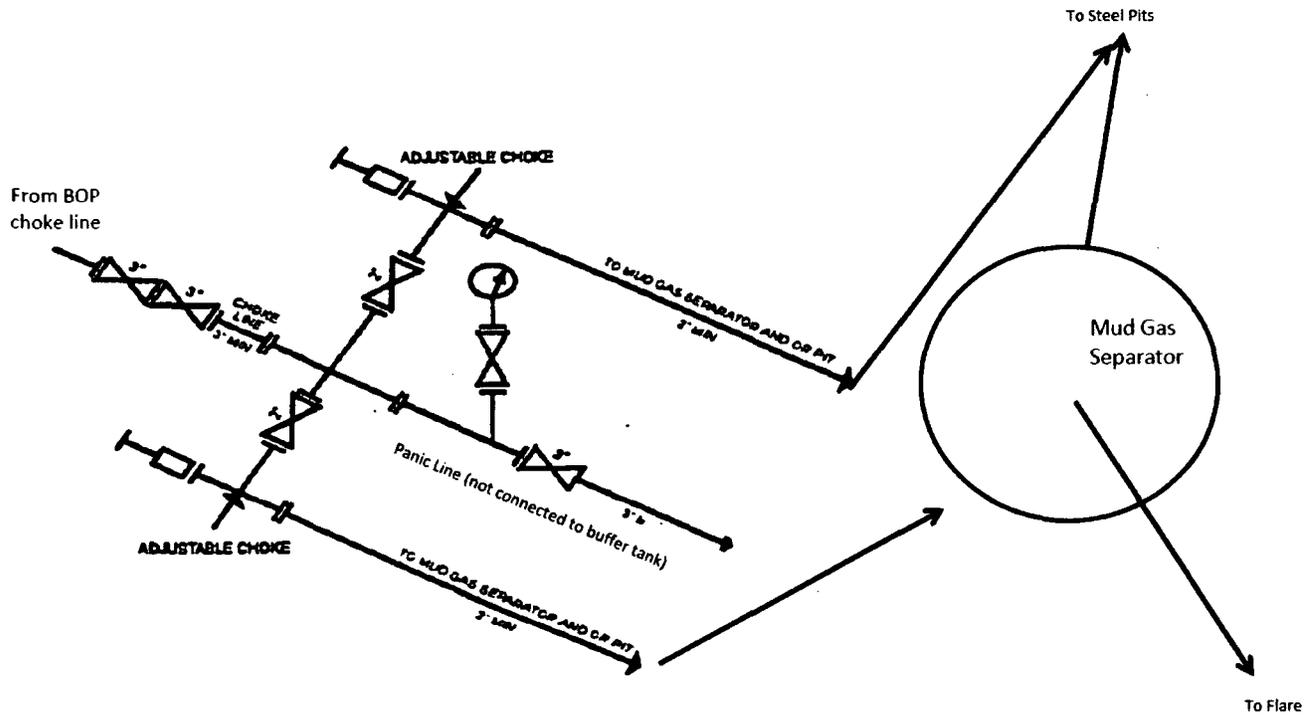
**Other Variance attachment:**

Multi Bowl Wellhead Schematic\_12-08-2016.pdf

Wellhead System and Testing\_12-08-2016.pdf

BTA\_Oil\_Producers\_LLC\_\_EMERGENCY\_CALL\_LIST\_9\_11\_17\_20170911085025.pdf

GasCapturePlan\_\_Mesa\_B\_8115\_7\_\_9H\_20170922074335.pdf



3M choke manifold design



Contitech

CONTITECH RUBBER Industrial Kfl.	No: QC-DB- 599/ 2014 Page: 16 / 176
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Rig 94

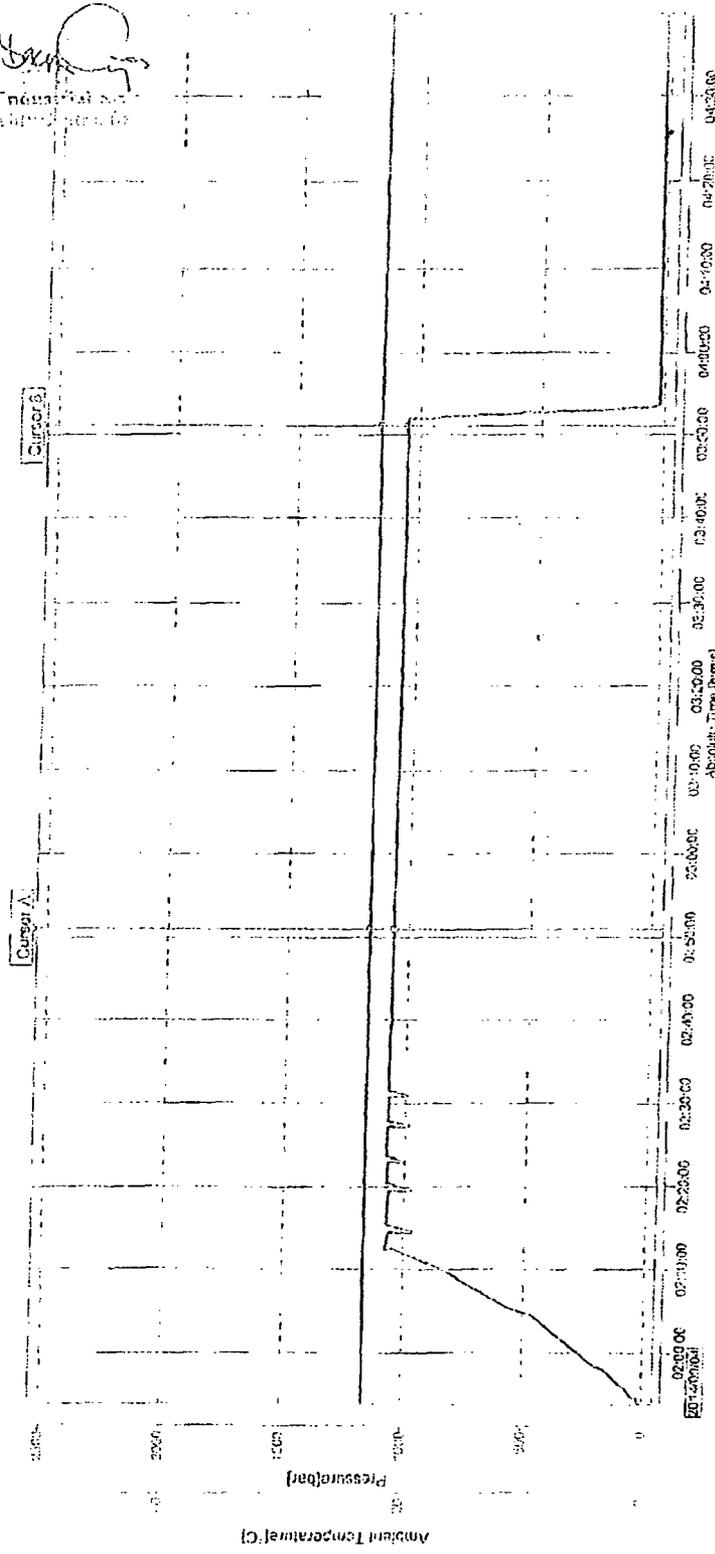
ASSET 24455

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 1592	
PURCHASER: ContiTech Oil & Marine Corp.				P.O. N°: 4500461753	
CONTITECH ORDER N°: 539225		HOSE TYPE: 3" ID		Choke & Kill Hose	
HOSE SERIAL N°:		NOMINAL / ACTUAL LENGTH:		7,62 m / 7.66 m	
W.P. 68,9 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature					
See attachment. ( 1 page )					
→ 10 Min.					
↑ 50 MPa					
COUPLINGS Type	Serial N°	Quality	Heat N°		
3" coupling with 4 1/16" 10K API Swivel Flange end Hub	2574 5533	AISI 4130	A1582N H8572		
		AISI 4130	58855		
		AISI 4130	A1199N A1423N		
Not Designed For Well Testing			API Spec 16 C		
Fire Rated			Temperature rate: "B"		
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.					
Date:	Inspector	Quality Control			
04. September 2014.		  CONTITECH RUBBER Industrial Kfl. Quality Control Dept.			

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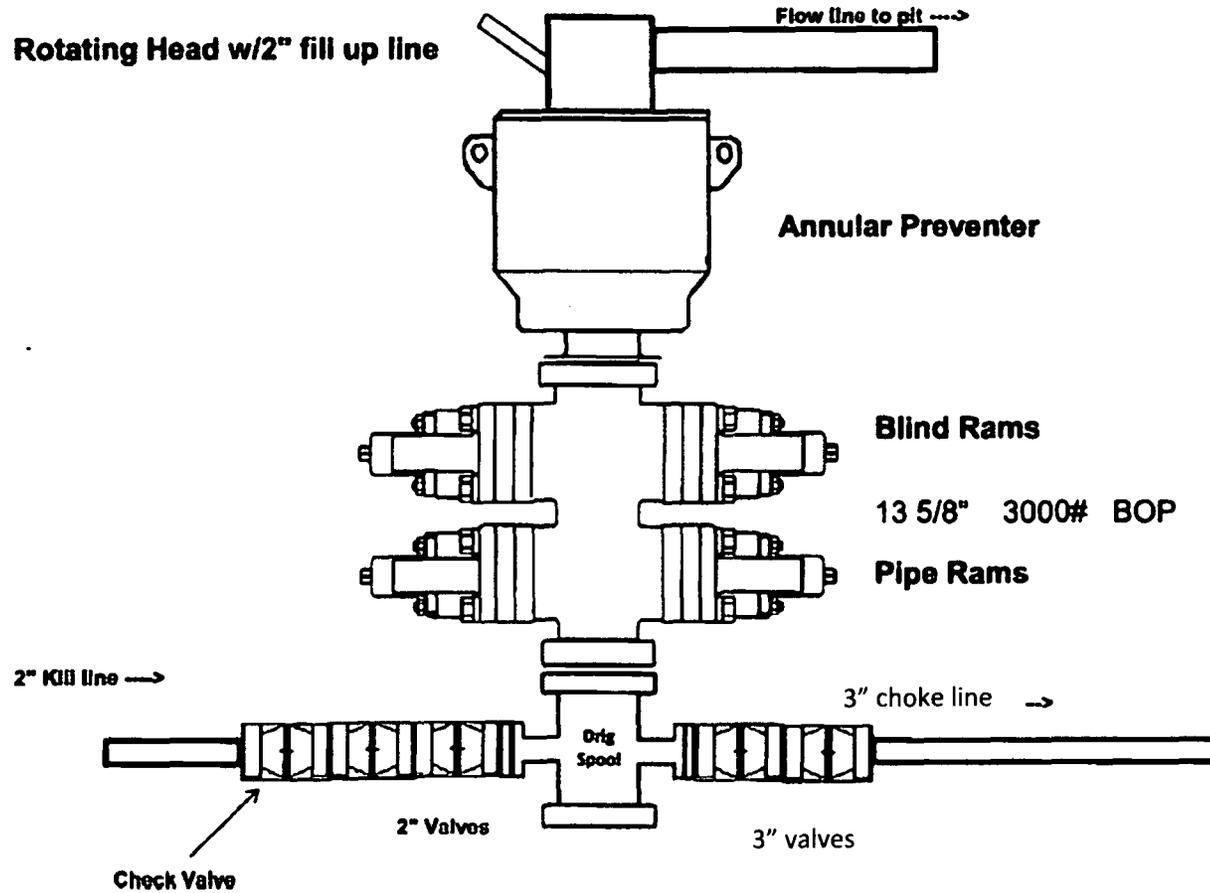
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2014/09/04 02:51:07.000	2014/09/04 02:51:08.000	01.0000000
Value A	Value B	Value B-A
1092.97	1048.67	-55.70
23.24	25.14	-1.90



Temperature

# 3,000 psi BOP Schematic





BTA Oil Producers, LLC

Well: Mesa B 8115 7 #9H

**Casing Assumption**

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)
17.50	13.375	0	770	0	770	No	54.5	J-55	STC	3.40	8.10	20.30	12.20	Dry	8.4
12.25	9.625	0	4700	0	4700	No	40.0	J-55	LTC	1.80	1.60	3.30	2.70	Dry	10.0
8.75	5.500	0	14900	0	9774	No	17.0	P-110	BTC	1.60	2.30	3.20	2.60	Dry	9.2



**BTA Oil Producers, LLC**

**Well: Mesa B 8115 7 #9H**

**Casing Assumption**

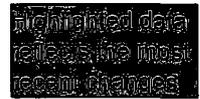
Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/Buoyant	Mud Weight (ppg)
17.50	13.375	0	770	0	770	No	54.5	J-55	STC	3.40	8.10	20.30	12.20	Dry	8.4
12.25	9.625	0	4700	0	4700	No	40.0	J-55	LTC	1.80	1.60	3.30	2.70	Dry	10.0
8.75	5.500	0	14900	0	9774	No	17.0	P-110	BTC	1.60	2.30	3.20	2.60	Dry	9.2



APD ID: 10400014557

Submission Date: 05/24/2017

Operator Name: BTA OIL PRODUCERS LLC



Well Name: MESA B 8115 7

Well Number: 9H

Show Final Text

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Mesa\_B\_8115\_7\_9H\_Topographical\_\_Access\_Rd\_05-24-2017.pdf

Mesa\_B\_8115\_7\_9H\_Vicinity\_Map\_05-24-2017.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

### Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

### Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Mesa\_B\_8115\_7\_9H\_\_1mi\_Radius\_Map\_and\_Data\_05-24-2017.pdf

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

**Existing Wells description:**

### Section 4 - Location of Existing and/or Proposed Production Facilities

**Submit or defer a Proposed Production Facilities plan?** DEFER

**Estimated Production Facilities description:** If well is productive, the production will be processed at the Central Tank Battery located on the existing pad.

### Section 5 - Location and Types of Water Supply

#### Water Source Table

**Water source use type:** DUST CONTROL,  
INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE  
CASING

**Describe type:** Sec. 11, T26S, R33E

**Source latitude:**

**Source datum:** NAD83

**Water source permit type:** OTHER

**Source land ownership:** FEDERAL

**Water source transport method:** PIPELINE,TRUCKING

**Source transportation land ownership:** FEDERAL

**Water source volume (barrels):** 100000

**Source volume (gal):** 4200000

**Water source type:** OTHER

**Source longitude:**

**Source volume (acre-feet):** 12.88931

**Water source use type:** DUST CONTROL,  
INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE  
CASING

**Describe type:** Sec. 1, T26S, R33E

**Source latitude:**

**Source datum:** NAD83

**Water source permit type:** OTHER

**Source land ownership:** FEDERAL

**Water source transport method:** PIPELINE,TRUCKING

**Source transportation land ownership:** FEDERAL

**Water source volume (barrels):** 100000

**Source volume (gal):** 4200000

**Water source type:** OTHER

**Source longitude:**

**Source volume (acre-feet):** 12.88931

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

**Water source and transportation map:**

Mesa\_B\_8115\_7\_9H\_\_Water\_Trans\_Route\_05-24-2017.pdf

**Water source comments:**

**New water well?** NO

**New Water Well Info**

**Well latitude:**

**Well Longitude:**

**Well datum:**

**Well target aquifer:**

**Est. depth to top of aquifer(ft):**

**Est thickness of aquifer:**

**Aquifer comments:**

**Aquifer documentation:**

**Well depth (ft):**

**Well casing type:**

**Well casing outside diameter (in.):**

**Well casing inside diameter (in.):**

**New water well casing?**

**Used casing source:**

**Drilling method:**

**Drill material:**

**Grout material:**

**Grout depth:**

**Casing length (ft.):**

**Casing top depth (ft.):**

**Well Production type:**

**Completion Method:**

**Water well additional information:**

**State appropriation permit:**

**Additional information attachment:**

**Section 6 - Construction Materials**

**Construction Materials description:** Caliche used for construction of the drilling pad and access road will be obtained from the closest existing caliche pit as approved by the BLM or from prevailing deposits found under the location. If there is not sufficient material available, caliche will be purchased from the nearest caliche pit located in Section 4, T26S, R32E Lea County, NM. Alternative location if original location closes will be located in Section 3, T26S, R33E.

**Construction Materials source location attachment:**

**Section 7 - Methods for Handling Waste**

**Waste type:** DRILLING

**Waste content description:** Drilling fluids and cuttings.

**Amount of waste:** 3990 barrels

**Waste disposal frequency :** One Time Only

**Safe containment description:** All drilling fluids will be stored safely and disposed of properly.

**Safe containmant attachment:**

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY    **Disposal location ownership:** COMMERCIAL FACILITY

**Disposal type description:**

**Disposal location description:** Trucked to an approved disposal facility.

**Waste type:** SEWAGE

**Waste content description:** Human waste and grey water

**Amount of waste:** 1000                  gallons

**Waste disposal frequency :** One Time Only

**Safe containment description:** Waste material will be stored safely and disposed of properly.

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY    **Disposal location ownership:** COMMERCIAL FACILITY

**Disposal type description:**

**Disposal location description:** Trucked to an approved disposal facility.

**Waste type:** GARBAGE

**Waste content description:** Trash

**Amount of waste:** 500                  pounds

**Waste disposal frequency :** One Time Only

**Safe containment description:** Trash produced during drilling and completion operations will be collected in a trash container and disposed of properly.

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY    **Disposal location ownership:** COMMERCIAL FACILITY

**Disposal type description:**

**Disposal location description:** Trucked to an approved disposal facility.

**Reserve Pit**

**Reserve Pit being used?** NO

**Temporary disposal of produced water into reserve pit?**

**Reserve pit length (ft.)                  Reserve pit width (ft.)**

**Reserve pit depth (ft.)                                  Reserve pit volume (cu. yd.)**

**Is at least 50% of the reserve pit in cut?**

**Reserve pit liner**

**Reserve pit liner specifications and installation description**

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

### Cuttings Area

**Cuttings Area being used?** NO

**Are you storing cuttings on location?** NO

**Description of cuttings location**

**Cuttings area length (ft.)**

**Cuttings area width (ft.)**

**Cuttings area depth (ft.)**

**Cuttings area volume (cu. yd.)**

**Is at least 50% of the cuttings area in cut?**

**WCuttings area liner**

**Cuttings area liner specifications and installation description**

### Section 8 - Ancillary Facilities

**Are you requesting any Ancillary Facilities?:** NO

**Ancillary Facilities attachment:**

**Comments:** It is possible that a mobile home will be used at the well site during drilling operations.

### Section 9 - Well Site Layout

**Well Site Layout Diagram:**

Mesa\_B\_8115\_7\_9H\_\_Location\_Plat\_05-24-2017.pdf

**Comments:** Should the well be successfully completed for production, the original topsoil from the site will be returned to the location. The drill site will be contoured as close as possible to the original state.

### Section 10 - Plans for Surface Reclamation

**Type of disturbance:** New Surface Disturbance

**Multiple Well Pad Name:** MESA B 8115 7

**Multiple Well Pad Number:** 2

**Recontouring attachment:**

**Drainage/Erosion control construction:** During construction proper erosion control methods will be used to control erosion, runoff and siltation of the surrounding area.

**Drainage/Erosion control reclamation:** Proper erosion control methods will be used on the area to control erosion, runoff and siltation of the surrounding area.

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

**Wellpad long term disturbance (acres):** 1.98

**Wellpad short term disturbance (acres):** 2.39

**Access road long term disturbance (acres):** 0

**Access road short term disturbance (acres):** 0

**Pipeline long term disturbance (acres):** 0

**Pipeline short term disturbance (acres):** 0

**Other long term disturbance (acres):** 0

**Other short term disturbance (acres):** 0

**Total long term disturbance:** 1.98

**Total short term disturbance:** 2.39

**Disturbance Comments:**

**Reconstruction method:** The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

**Topsoil redistribution:** Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations.

**Soil treatment:** To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

**Existing Vegetation at the well pad:** The historic climax plant community is a grassland dominated by black grama, dropseeds, and blue stems with sand sage and shinnery oak distributed evenly throughout. Current landscape displays mesquite, shinnery oak, yucca, desert sage, fourwing saltbush, snakeweed, and bunch grasses.

**Existing Vegetation at the well pad attachment:**

**Existing Vegetation Community at the road:** Refer to "Existing Vegetation at the well pad"

**Existing Vegetation Community at the road attachment:**

**Existing Vegetation Community at the pipeline:** Refer to "Existing Vegetation at the well pad"

**Existing Vegetation Community at the pipeline attachment:**

**Existing Vegetation Community at other disturbances:** Refer to "Existing Vegetation at the well pad"

**Existing Vegetation Community at other disturbances attachment:**

**Non native seed used?** NO

**Non native seed description:**

**Seedling transplant description:**

**Will seedlings be transplanted for this project?** NO

**Seedling transplant description attachment:**

**Will seed be harvested for use in site reclamation?** NO

**Seed harvest description:**

**Seed harvest description attachment:**

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

**Seed Management**

**Seed Table**

**Seed type:**

**Seed source:**

**Seed name:**

**Source name:**

**Source address:**

**Source phone:**

**Seed cultivar:**

**Seed use location:**

**PLS pounds per acre:**

**Proposed seeding season:**

<b>Seed Summary</b>	
<b>Seed Type</b>	<b>Pounds/Acre</b>

**Total pounds/Acre:**

**Seed reclamation attachment:**

**Operator Contact/Responsible Official Contact Info**

**First Name:**

**Last Name:**

**Phone:**

**Email:**

**Seedbed prep:**

**Seed BMP:**

**Seed method:**

**Existing invasive species? NO**

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Weed treatment plan description:** No invasive species present. Standard regular maintenance to maintain a clear location and road.

**Weed treatment plan attachment:**

**Monitoring plan description:** Identify areas supporting weeds prior to construction; prevent the introduction and spread of weeds from construction equipment during construction; and contain weed seeds and propagules by preventing segregated topsoil from being spread to adjacent areas. No invasive species present. Standard regular maintenance to maintain a clear location and road.

**Monitoring plan attachment:**

**Success standards:** To maintain all disturbed areas as per Gold Book standards.

**Pit closure description:** N/A

**Pit closure attachment:**

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

**Section 11 - Surface Ownership**

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Disturbance type:** EXISTING ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**Operator Name:** BTA OIL PRODUCERS LLC

**Well Name:** MESA B 8115 7

**Well Number:** 9H

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

### Section 12 - Other Information

**Right of Way needed?** NO

**Use APD as ROW?**

**ROW Type(s):**

### ROW Applications

**SUPO Additional Information:** BTA has entered into a PBPA (MOA) agreement with the BLM for the cultural resources examination for this project.

**Use a previously conducted onsite?** YES

**Previous Onsite information:** Onsite was conducted by Fernando Banos on March 8th, 2017. NOS ID: 10400011820

### Other SUPO Attachment

**Section 1 - General**

Would you like to address long-term produced water disposal? NO

**Section 2 - Lined Pits**

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

### **Section 3 - Unlined Pits**

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

### **Section 4 - Injection**

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

● **Injection well type:**

**Injection well number:**

**Assigned injection well API number?**

**Injection well new surface disturbance (acres):**

**Minerals protection information:**

**Mineral protection attachment:**

**Underground Injection Control (UIC) Permit?**

**UIC Permit attachment:**

**Injection well name:**

**Injection well API number:**

**Section 5 - Surface Discharge**

**Would you like to utilize Surface Discharge PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Surface discharge PWD discharge volume (bbl/day):**

**Surface Discharge NPDES Permit?**

**Surface Discharge NPDES Permit attachment:**

**Surface Discharge site facilities information:**

**Surface discharge site facilities map:**

**Section 6 - Other**

**Would you like to utilize Other PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Other PWD discharge volume (bbl/day):**

**Other PWD type description:**

**Other PWD type attachment:**

**Have other regulatory requirements been met?**

**Other regulatory requirements attachment:**



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BUREAU OF LAND MANAGEMENT

**Bond Information**

**Federal/Indian APD:** FED

**BLM Bond number:** NM1195

**BIA Bond number:**

**Do you have a reclamation bond?** NO

**Is the reclamation bond a rider under the BLM bond?**

**Is the reclamation bond BLM or Forest Service?**

**BLM reclamation bond number:**

**Forest Service reclamation bond number:**

**Forest Service reclamation bond attachment:**

**Reclamation bond number:**

**Reclamation bond amount:**

**Reclamation bond rider amount:**

**Additional reclamation bond information attachment:**

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA B 8115 7

Well Number: 9H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
EXIT Leg #1	330	FNL	660	FEL	26S	33E	7	Aliquot NENE	32.00643 9	- 103.6049 79	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 016097 3	- 653 7	146 19	977 4
BHL Leg #1	50	FNL	660	FEL	26S	33E	7	Aliquot NENE	32.06516	- 103.6049 8	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 016097 3	- 653 7	148 99	977 4



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

## Operator Certification Data Report

06/04/2018

### Operator Certification

*I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.*

**NAME:** Kayla McConnell

**Signed on:** 05/24/2017

**Title:** Regulatory Analyst

**Street Address:** 104 S. Pecos

**City:** Midland

**State:** TX

**Zip:** 79701

**Phone:** (432)682-3753

**Email address:** kmccconnell@btaoil.com

### Field Representative

**Representative Name:** Nick Eaton

**Street Address:** 104 South Pecos

**City:** Midland

**State:** TX

**Zip:** 79701

**Phone:** (432)682-3753

**Email address:** neaton@btaoil.com



BTA Oil Producers, LLC

Well: Mesa B 8115 7 #9H

**Casing Assumption**

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)
17.50	13.375	0	770	0	770	No	54.5	J-55	STC	3.40	8.10	20.30	12.20	Dry	8.4
12.25	9.625	0	4700	0	4700	No	40.0	J-55	LTC	1.80	1.60	3.30	2.70	Dry	10.0
8.75	5.500	0	14900	0	9774	No	17.0	P-110	BTC	1.60	2.30	3.20	2.60	Dry	9.2