

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMNM14492

6. If Indian, Allottee or Tribe Name

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

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: UNKNOWN OTH

2. Name of Operator

BTA OIL PRODUCERS

Contact: KAYLA MCCONNELL

E-Mail: kmccconnell@btaoil.com

8. Well Name and No.
MESA SWD 8105 JV P 1W

9. API Well No.

30-025-42841-00-X1

3a. Address

104 SOUTH PECOS STREET
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-682-3753 Ext: 106

10. Field and Pool, or Exploratory
SWD

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 11 T26S R32E SENW 1800FNL 1900FWL

11. County or Parish, and State

LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BTA proposes the following changes to the Permit to Drill, as approved:

INTERMEDIATE CASING

CHANGE FROM: 11" hole / 8-5/8" csg / Depth 0' - 4620' / 1070sx of cmt / TOC Surface

CHANGE TO: 12-1/4" hole / 9-5/8" csg / Depth 0' - 4572' / 1200sx of cmt / TOC Surface

PRODUCTION CASING

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #319243 verified by the BLM Well Information System

For BTA OIL PRODUCERS, sent to the Hobbs

Committed to AFMSS for processing by LINDA JIMENEZ on 10/21/2015 (16LJ0129SE)

Name (Printed/Typed) KAYLA MCCONNELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/08/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NOV 23 2015

Additional data for EC transaction #319243 that would not fit on the form

32. Additional remarks, continued

CHANGE FROM: Open Hole

CHANGE TO: 8-3/4" hole / 7" csg / Depth to 0' - 7000' / 485sx of cmt / TOC 4000'

BTA proposes the following changes to the Administrative Order SWD-1531, as approved:

CHANGE FROM: 7" casing with 1200sx of cement. TOC Circ to surface.

CHANGE TO: 7" casing with 485sx of cement. TOC @ 4000'

*A copy of submitted Sundry has been sent via email to NMOCD Santa Fe Office.



Rennick, Kenneth <krennick@blm.gov>

Mesa SWD 8105 JV P 1W (API 30-025-42841) - Sundry (EC 319243): Cement and Casing Information Request

2 messages

Rennick, Kenneth <krennick@blm.gov>

Wed, Oct 28, 2015 at 3:27 PM

To: kmccconnell@btaoil.com

Hello Kayla McConnel,

I am reviewing the Sundry for the subject well.

To complete my evaluation, I need to know the yield on the cement in terms of cubic feet per sack for the Intermediate and Production Casing interval. This is so that I will know for sure that the volume of cement that is being proposed is adequate.

Also I need to know the what the grade, the weight per foot and the coupling of the 9 5/8-inch Intermediate Casing and the 7-inch Production Casing. Just knowing the Outer Diameter is not sufficient for me to approve the Sundry.

Thank you in advance for acknowledging my request!

Best Regards,

Kenneth Rennick

--

Kenneth Rennick

Petroleum Engineer
Bureau of Land Management
Carlsbad Field Office
(575) 234-5964
krennick@blm.gov

Admin, BLM SPAM <blm-spam-admin@doi.gov>

Thu, Oct 29, 2015 at 1:29 PM

To: "Rennick, Kenneth" <krennick@blm.gov>

This email was blocked by the spam filter for objectionable words and after review is being released. Please do not reply back to this email as it will go to the Spam box.

IT Security

Continuous Monitoring
BLM, IRM, IT Security Division (WO-840)

----- Forwarded message -----

From: **Kayla McConnell** <KMccConnell@btaoil.com>

Date: Thu, Oct 29, 2015 at 10:09 AM

Subject: [BLM Objectionable Words] RE: Mesa SWD 8105 JV P 1W (API 30-025-42841) - Sundry (EC 319243): Cement and Casing Information Request

To: "Rennick, Kenneth" <krennick@blm.gov>

Good morning, Kenneth.

I have attached an amended drilling plan with the highlighted changes. Please let me know if you have any questions.

Thank you for your time in this matter.

Kayla

Kayla McConnell

BTA Oil Producers, LLC

432-682-3753 ext. 106

104 South Pecos

Midland, TX 79701

From: Rennick, Kenneth [mailto:krennick@blm.gov]

Sent: Wednesday, October 28, 2015 4:27 PM

To: Kayla McConnell <KMcConnell@btaoil.com>

Subject: Mesa SWD 8105 JV P 1W (API 30-025-42841) - Sundry (EC 319243): Cement and Casing Information Request

[Quoted text hidden]



BTA Oil Producers, LLC - 8105 JV-P Mesa SWD #1W Amended TPDP.pdf
21K

APPLICATION FOR DRILLING

BTA OIL PRODUCERS, LLC
Mesa SWD 8105 JV-P #1
1800' FNL & 1900' FWL
UL -F-, Sec. 11, T26S, R32E Surface
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, BTA Oil Producers submits the following 10 items for pertinent information in accordance with BLM requirements:

1. Geologic surface formation is Quaternary.
2. Top of geologic markers & depths of anticipated fresh water, oil or gas:

Anhydrite	690'	
Top of Salt	1,270'	
Base of Salt	4,370'	
Delaware	4,595'	
Bell Canyon	4,620'	
Cherry Canyon	5,835'	
Brushy Canyon	7,085'	Oil

No other formations are expected to yield oil, gas, or fresh water in measurable volumes. Depth to fresh water, in this area, is 175'. The surface fresh water sands will be protected by setting 13-3/8" csg at 790' cemented back to surface.

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished to the BLM, Division of Minerals. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.

3. Proposed Casing and Cementing Program:

see COA

<u>Hole Size</u>	<u>OD Casing</u>	<u>Setting From</u>	<u>Depth to</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
17-1/2"	13-3/8"	0'	790'	54.5#	J55	STC
12-1/4"	9-5/8"	0'	4,575'	40#	J55	LTC
8-3/4"	7"	0'	7000'	26#	J55	LTC

Minimum Casing Design Factors:

Collapse	1.125
Burst	1.0
Tensile	1.8

see COA
Depending upon availability at the time that the casing is run, equivalent weights and grades may be substituted. All casing will be new. Casing will be kept a minimum 1/3 full at all times.

4. Cement Program:

I. Surface Casing:

- Lead: 435 sx Class C.
 - Yield 1.75 ft³/sk
 - Weight: 13.5 ppg
- Tail: 200 sx Class – C
 - Yield 1.34 ft³/sk
 - Weight: 14.8 ppg
- Cement circulated to surface. 100% Excess.

II. Intermediate Casing:

- Lead: 820 sx 35:65 Class C.
 - Yield 1.94 ft³/sk
 - Weight: 12.7 ppg
- Tail: 250 sx Class – C.
 - Yield 1.33 ft³/sk
 - Weight: 14.8 ppg
- Cement circulated to surface. 60% excess in open hole.

III. Production Casing:

- Lead: 285 sx 50:50 Class H
 - 2.45 ft³/sk; 11.8 ppg
- Tail: 200 sx 50:50 Class H
 - 1.33 ft³/sk; 14.8 ppg
- Cement calculated to tie back 500 ft into intermediate casing. 20% open hole excess.

Note: All casing strings will be pressure tested to 0.22 psi/ft. of setting depth or 1500 psi (whichever is greater) after cementing and prior to drillout.

5. Pressure Control Equipment:

The 11" blowout preventer equipment (BOP) shown in Exhibit A will consist of a (3M system) double ram type (3000 psi WP) preventor and a bag-type (Hydril) preventor (3000 psi WP). Will be hydraulically operated and the ram type preventor will be equipped with blind rams on top and 4-½" drill pipe rams on bottom. The BOP's will be installed on the 13-3/8" casing and utilized continuously until TD is reached. All BOP's and associated equipment will be tested as per BLM drilling Operations Order No. 2.

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. 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.

6. Mud Program:

Surface to 790': 8.5 to 8.8 ppg fresh water spud with 35 to 45 sec/1000 cc viscosity.

790' to 4,575': Brine water. Will use lime for pH control in range 10 to 11. Will sweep hole with gel slugs as required for hole cleaning. Mud wt = 10 ppg.

4,575' to TD: 8.6 to 9.2 ppg controlled brine water. Will use lime for pH control in range of 10 to 11. Will sweep hole with salt gel slugs and polymer sweeps as required for hole cleaning.

Will use paper for seepage losses. Will adjust fluid weight as required using brine water. Visual mud monitoring equipment will be used at all times.

7. Auxiliary Equipment:

- a) Upper Kelly cock valve with handle available.
- b) Lower Kelly cock valve with handle available.
- c) Safety valves and subs to fit all drill string connections in use.
- d) Monitoring of mud system will be mechanical.

8. Testing Logging and Coring Program:

Drill Stem Tests – none planned

Open hole electrical logging program will be:

- i. TD to Surface: Gamma Ray/Compensated Neutron
- ii. No coring program is planned.

9. Potential Hazards:

No abnormal pressures or temperatures are anticipated. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP: 3,130 psi. Estimated BHT: 128° F. No H₂S is anticipated to be encountered (H₂S monitoring equipment will be operational prior to penetrating the Delaware).

10. Anticipated Starting Date and Duration of Operations:

Anticipated start date will be as soon as possible after BLM approval and as soon as a rig is available. Move in operations and drilling is expected to take 20 days.

PECOS DISTRICT CONDITIONS OF APPROVAL

MESA SWD 8105 JV P 1W

API: 30-025-42841

BTA OIL PRODUCERS

Section 11, T. 26 S., R 32 E.

Lea County

Original COA still applies, except for the replacement of the requirements that relates to the intermediate casing. As well as the addition of the requirements for the proposed 7 inch production casing. Please see the following for these conditions.

- 1. The intermediate casing shall be kept fluid filled to avoid approaching the collapse pressure rating of the casing.**
- 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. If cement does not circulate to surface on the intermediate casing, the cement on the production casing must come to surface.**
- 3. The minimum required fill of cement behind the 7 inch production casing is:**
 - ☒ **Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.**

KGR 11012015