

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD  
Artesia

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.*

5. Lease Serial No.  
NM 0426782

6. If Indian, Allottee or Tribe Name

*SUBMIT IN TRIPLICATE - Other instructions on page 2.*

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
Mary Federal #1

2. Name of Operator  
BC Operating, Inc.

9. API Well No.  
30-015-20785

3a. Address  
P.O. Box 50820  
Midland, Texas 79710

3b. Phone No. (include area code)  
432-684-9696

10. Field and Pool or Exploratory Area  
Sheep Draw; Strawn (Gas)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1924' FNL & 651' FEL, Unit 'H', Section 11, T-23S, R-25E

11. County or Parish, State  
Eddy County, New Mexico

**12. CHECK THE 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 checked="" 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

FEB 08 2016

RECEIVED

*Provide CIOZ to NMOCD*

Check cement behind casing and make sure it is good. If it is, then plans are as follows:

Plug back well w/CIBP @ +/- 9780' w/4 sx Class H Cement.

*Accepted for record  
NMOCD  
LRS*

Perf and frac Wolfcamp formation between 8540' - 9700'.

Put well on pump and begin production.

If cement is not sufficient, plans are to shoot 2 squeeze holes, set retainer and circulate cement up the annulus before plugging back well and starting recompletion work.

*work done w/ out approved. Operator to submit sundry to plugback the Morrow properly or violation will be issued.*

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Pam Stevens

Title Regulatory Analyst

Signature

*Pam Stevens*

Date 06/25/2014

ACCEPTED FOR RECORD

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

FIELD MANAGER

Title

Date

CARLSBAD BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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.

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.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law 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, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13* - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

## NOTICES

The Privacy Act of 1974 and the 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., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES:** Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

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

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

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 St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Mary Fed #1  
1924' FNL & 651' FEL Sec 11, T23S, R25E  
Eddy County, New Mexico  
API: 42-371-33064  
GL: 12' KB: 3736'

7/25/2014

### Plug-back and Complete & Test Wolfcamp

#### Well Data

Tubing: 2-7/8" 8rd EUE 6.5 N-80 +/-10,044'  
Casing: 5-1/2" 20# N80 0-859'  
5-1/2" 17# N-80 859'-7,598'  
5-1/2" 20# N-80 7,598'-11,570'  
TD: 11,570' PBDT: 10,309' Lok Set Packer @ 9,875'

#### Pulling Unit Procedure

1. Comply with all company and governmental safety regulations.
2. RU pulling unit. TOOH with 2-7/8" production tubing and Lok Set packer.
3. TIH with 2-7/8" workstring with bit and scraper and cleanout to 9,785'.
4. TIH w CIBP and set at 9,780'.

#### Prep for Frac

5. Set 2 frac tanks for flowback. Set 8 frac tanks and fill with fresh water.
6. RU acid pump truck w 250 gals. RIH with 3-1/2" 10# N80 tubing and compression packer (w hydraulic hold down). Run packer to 9,480'. Set 3-1/2" frac valve on top of tubing. (Note: have 2" crossover for acid pump truck).
7. Run flowback manifold and iron to flowback tanks.
8. Spot 250 of 15% HCL. Pick up packer to 9,200' and reverse excess acid in tubing. Set packer at 9,200'.
9. RU wireline and shoot perfs. See perf schedule.
10. Break down perfs with acid pump and put away. Shut in well.
11. RD and release wireline and acid pump truck. RD pulling unit if space is needed for frac equipment.

Note: Bring 3-1/2" frac valve and 2" regular crossover for acid pump truck.

#### Completion

1. NU 3-1/2 frac valve.
2. MIRU frac crew. Verify water straps, fluid quality.
3. Complete frac in Wolfcamp formation (8,500' to 9,500') as designed (See attached frac design and plug/ perforations). **Monitor annular pressure on frac.** Maximum pressure = 7000 psi.
4. RDMO frac crew. Release frac tanks not needed for recovery.
5. Open well and flow back thru manifold to 2 oil and 4 water frac tanks.
6. Adjust choke to continuous flow. Keep office up to date with hourly flowback reports.
7. RU pulling unit once well is flowed down. TOH and lay down 3-1/2" frac string.
8. RIH with 2-7/8" production tubing. Put well on Pump.