

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.  
NMLC-030174B

6. If Indian, Allottee or Tribe Name

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

**HOBBS OCD**

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

1. Type of Well

Oil Well     Gas Well     Other Injection

**MAY 21 2014**

Well Name and No.  
W H Rhodes B Federal NCT 1 #008

2. Name of Operator  
PPC OPERATING COMPANY LLC

9. API Well No.  
30-025-12055

3a. Address  
1500 Industrial Blvd, Ste. 102  
Abilene, TX 79602

3b. Phone No. (include area code)  
325-267-6046

**RECEIVED**

10. Field and Pool or Exploratory Area  
Rhodes; Yates-Seven Rivers

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FSL & 660' FWL, UNIT LETTER "M", SECTION 26, T-26S, R-37E, NMPM

11. County or Parish, State  
LEA 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 checked="" 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 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.)

This is to notify that this well was pressure tested on 4/5/2013 (NMOCD was notified 48 hours prior). The well failed and was immediately shut-in. The well was scheduled for a workover (also scheduled with the NMOCD). Jesse Madrid contacted this office this morning to notify that the well apparently has a shallow casing leak. Operations were shut down to await instructions from the BLM.

The well is equipped as follows:

- 8 5/8" surface casing set at 1177' cemented to surface w/ 350 sx cement
- 5 1/2" production casing set at 3158' cemented with 300 sx
- 4" liner set at 3255' set 20 feet up into 5 1/2" casing.
- 2 3/8" tubing & packer set at 3022'

A backhoe was brought to location on 1/3/14. There is a shallow hole in the 5 1/2" casing 5 feet from ground surface. We would like to replace the top two joints of 5 1/2" casing with 5 1/2, 15.5#, J=55, ST&C casing. Because the 5 1/2 is higher than the 8 5/8 casing we will not be able to bring the TOC to surface.

The well has been shut-in since 4/5/13 while we waited for the well to be put in our name so that permission could be granted to us for repair.

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

Title Office Administrator

Date 01/03/2014

**APPROVED**

**MAY 16 2014**

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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.

(Instructions on page 2)

*MRS/OCD 5/22/2014*

**MAY 22 2014**

**Conditions of Approval  
PPC Operating Company LLC  
W H Rhodes B NCT 1 - 08  
API 30-02512055,  
T26S-R37E, Sec 26  
May 16, 2014**

**Notify BLM at 575-393-3612 a minimum of 24 hours prior to commencing work.**

**Work to be completed by August 16, 2014.**

1. Subject to like approval by the New Mexico Oil Conservation Division.
2. Surface disturbance beyond the existing pad shall have prior approval.
3. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
4. Functional H<sub>2</sub>S monitoring equipment shall be on location.
5. 2000 (2M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. A ram system including a blind ram and pipe ram(s) designed to close on all of the work string(s) used is required equipment. Manual BOP closure (hand wheels) equipment shall be installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) shall be employed when needed for reasonable well control requirements.
6. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over 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.
7. **Determine top of cement behind the 5 1/2" casing. Submit results to BLM. Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record from 3100 or below to top of cement. The CBL may be attached to a [pswartz@blm.gov](mailto:pswartz@blm.gov) email.**
8. **If more than the top two joints are replaced operator must obtain approval from the BLM. Any replaced 5 1/2" csg is to conform to grade, weight, and coupling per the approved NOI.**
9. **Cement from TOC to top of surface casing.**
10. **Conduct a Mechanical Integrity Test as described on the next page.**

### Well with a Packer - Operations

- 1) Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established. Repair that seal any time more than five barrels of packer fluid is replaced within 30 days.
- 2) The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with minimum 200 psig differential between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need to be reduced). An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
- 3) Document the pressure test on a one hour full rotation calibrated recorder chart registering within 25 to 85 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
- 4) Make arrangements 24 hours before the test for BLM to witness. In Lea County phone 575-393-3612. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number. Note the contact, time, & date in your subsequent report.
- 5) Submit a subsequent Sundry Form 3160-5 relating the MIT activity. Include a copy of the recorded MIT pressure chart. List the name of the BLM witness, or the notified person and date of notification. NMOCD is to retain the original recorded MIT chart.
- 6) Use of tubing internal protection, tubing on/off equipment just above the packer, a profile nipple, and an in line tubing check valve below the packer or between the on/off tool and packer is a "Best Management Practice". The setting depths and descriptions of each are to be included in the subsequent sundry. List (by date) descriptions of daily activity of any previously unreported wellbore workover.
- 7) **Submit the original subsequent sundry with three copies to BLM Carlsbad.**
- 8) Compliance with a NMOCD Administrative Order is required, submit documentation of that authorization.
  - a) Approved injection pressure compliance is required.
  - b) If injection pressure exceeds the approved pressure you are required to reduce that pressure and notify the BLM within 24 hours.
  - c) When injection pressure is within 50 psig of the maximum pressure, install automation equipment that will prevent exceeding that maximum. Submit a subsequent report (Sundry Form 3160-5) describing the installed automation equipment within 30 days.
- 9) Unexplained significant variations of rate or pressure to be reported within 5 days of notice.
- 10) The casing/tubing annulus is required to be monitored for communication with injection fluid or loss of casing integrity. A BLM inspector may request verification of a full annular fluid level at any time.
- 11) A "Best Management Practice" is to maintain the annulus full of packer fluid at atmospheric pressure. Equipment that will display on site, continuous open to the air fluid level is necessary to achieve this goal.

- 12) Loss of packer fluid above five barrels per month indicates a developing problem. Notify BLM Carlsbad Field Office, Petroleum Engineering within 5 days.
- 13) A suggested format for monthly records documenting that the casing annulus is fluid filled is available from the BLM Carlsbad Field Office.
- 14) Gain of annular fluid requires notification within 24 hours. Cease injection and maintain a production casing pressure of 0 psia. Notify the BLM's authorized officer ("Paul R. Swartz" <[pswartz@blm.gov](mailto:pswartz@blm.gov)>, cell phone 575-200-7902). If there is no response phone 575-361-2822.

**Submit a original and three copies of (Sundry Form 3160-5) subsequent report (daily reports) describing all wellbore activity and Mechanical Integrity Test** as per item 1) above. Include the date(s) of the well work, and the setting depths of installed equipment: internally corrosive protected tubing, tubing on/off equipment just above the packer, and an in line tubing check valve below the packer or between the on/off tool and packer. The setting depths and descriptions of each are to be included in the subsequent sundry. List daily descriptions of any previously unreported wellbore workover(s) and reason(s) the well annular fluid was replaced.

**JAM/PRS 051614**