

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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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-54184

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other

convert to
SWD

2. Name of Operator

Ray Westfall Oper, Inc.

3a. Address

P.O. Box 4 Loco Hills N.M. 89355

3b. Phone No. (include area code)

575-677-2370

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

1870' FNL & 860' FEL Sec. 10-T18S-R28E

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

8. Well Name and No.

Fireweed 10 Feb #1 SWD

9. API Well No.

30-015-29165

10. Field and Pool or Exploratory Area

Wolfcamp Canyon SWD

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☒ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☒ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Perforate, Acidize

O.C.D. SWD-1383

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 must 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 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.)

SUBJECT TO LIKE
APPROVAL BY STATE

See attached

BLM is NOT AUTHORIZED TO STIPULATE
"WELL WITH A PACKER OPERATION"
CONDITIONS. STATE JURISDICTION

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED

DEC 06 2013

NMOC D ARTESIA

Accepted for record

NMOC D RF 12/10/13

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

Rene Hope

Title

Bookkeeper

Signature

Rene Hope

Date

12/2/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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.

Date

APPROVED

DEC 5 2013

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD 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)

FIREWEED 10 FEDERAL # 1 SWD

RAY WESTALL OPERATING, INC. PLANS TO PERFORATE AND ACIDIZE WELL TO CONVERT TO SWD.

PERFS:

7727' – 7769'	80 HOLES
7828' – 7880'	78 HOLES
7942' – 7948'	24 HOLES
8082' – 8160'	48 HOLES
8425' – 8435'	40 HOLES
8575' – 8580'	20 HOLES
8723' – 8866'	ALREADY PERFORATED AND WILL BE USED
8885' – 9008'	164 HOLES
9072' – 9190'	172 HOLES

WELL WILL BE ACIDIZED WITH 20,000 GALLONS 20% HCL ACID @ 4-5 BPM CONTAINING ONLY CORROSION INHIBITOR.

WELL WILL BE EVALUATED.

IF ECONOMICAL, I.P.C TBG WILL BE RAN TO APPROXIMATELY 7630' (WITHIN 100' OF UPPER MOST PERFORATIONS)

PACKER WILL BE SET AT APPROXIMATELY 7630', PUMP INERT ANNULUS FLUID.

NOTIFY BLM AND OCD TO WITNESS M.I.T.

PREPARE WELLHEAD AND SURFACE EQUIPMENT FOR DISPOSAL OPERATION.

COMPLETION WILL COMMENCE AS SOON AS ALL PLUGS ARE DRILLED OUT, WHICH WILL TAKE ABOUT 2 OR 3 WEEKS FROM STARTING WORKOVER.

Conditions of Approval

Ray Westall Operating Inc.

Fireweed 10 Fed SWD 1

API 3001529165,

December 5, 2013

- 1. Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record from 4000' or below to top of cement. The CBL may be attached to a pswartz@blm.gov email. The CFO BLM on call engineer may be reached at 575-706-2779.**

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 Eddy County email Paul R. Swartz pswartz@blm.gov or phone 575-200-7902, if there is no response, 575-361-2822. 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) Maintain the annulus full of packer fluid at atmospheric pressure. Installation of equipment that will display continuous open to the air packer fluid level above the casing vent is required for this disposal well.**
- 12) Notify the BLM's authorized officer ("Paul R. Swartz" <pswartz@blm.gov>, cell phone 575-200-7902) on or before 2/05/2014 to arrange for approval of the annular monitoring system.**
- 13) Loss of packer fluid above five barrels per month indicates a developing problem. Notify BLM Carlsbad Field Office, Petroleum Engineering within 5 days.
- 14) A suggested format for monthly records documenting that the casing annulus is fluid filled is available from the BLM Carlsbad Field Office.
- 15) 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>, cell phone 575-200-7902). If there is no response phone 575-361-2822.
- 16) Submit a (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.

CRW 120513

Access information for **use of Form 3160-5** "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html

§ 43 CFR 3162.3-2 Subsequent Well Operations.

§ 43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports.