

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Carlsbad Field Office**  
**OCD Artesia**

FORM APPROVED  
OMB No. 1004-0137  
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.**

5. Lease Serial No.  
NMNM14847

6. If Indian, Allottee or Tribe Name

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

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
RAY WESTALL OPERATING, INC.

3a. Address  
P.O. BOX 4 LOCO HILLS, NM 88255

3b. Phone No. (include area code)  
575-677-2370

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC 29, TWP 17S, RNG 29E, N.M.P.M. 660' FSL AND 660' FWL

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

8. Well Name and No.  
EMPIRE DEEP 29 FEDERAL # 2

9. API Well No.  
30-015-32252

10. Field and Pool or Exploratory Area  
CISCO

11. Country 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 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 <u>CONVERT TO SWD</u> |
|  | <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.)

CONDUCT SAFETY MEETING PRIOR TO START OF ALL OPERATIONS. CONFIGURE SWD PER OCD PERMIT SWD-1716

- MIRU WSU, PULL ANY REMAINING PRODUCTION EQUIPMENT; RIH W/ GUAGE RING/JNK BSKT.
- SET CIBP @ 9900' WITH 50' CMT CAP.
- RU WIRELINE AND PERFORATE SELECTED INTERVALS - MAX TOP 9100'; MAX BOTTOM 9800'. (PERFS DETERMINED FROM EXISTING LOGS.)
- OPTIONAL: RIH WITH WORK STRING; ACIDIZE WITH 750-2500 GALLONSHCI. SWAB AND CIRCULATE HOLE CLEAN. POOH.
- RUN PC TBG AND PACKER - NOTIFY BLM AND OCD 24 HRS PRIOR TO: CONDUCT MIT.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

OCT 28 2019

RECEIVED



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

Name (Printed/Typed)  
RENE HOPE

Title BOOKKEEPER

Signature *[Handwritten Signature]*

Date 07/09/2019

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

Approved by *[Handwritten Signature]*

Title PE

Office CFO

Date OCT 24 2019

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)

*RWP 10-30-19*

## 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



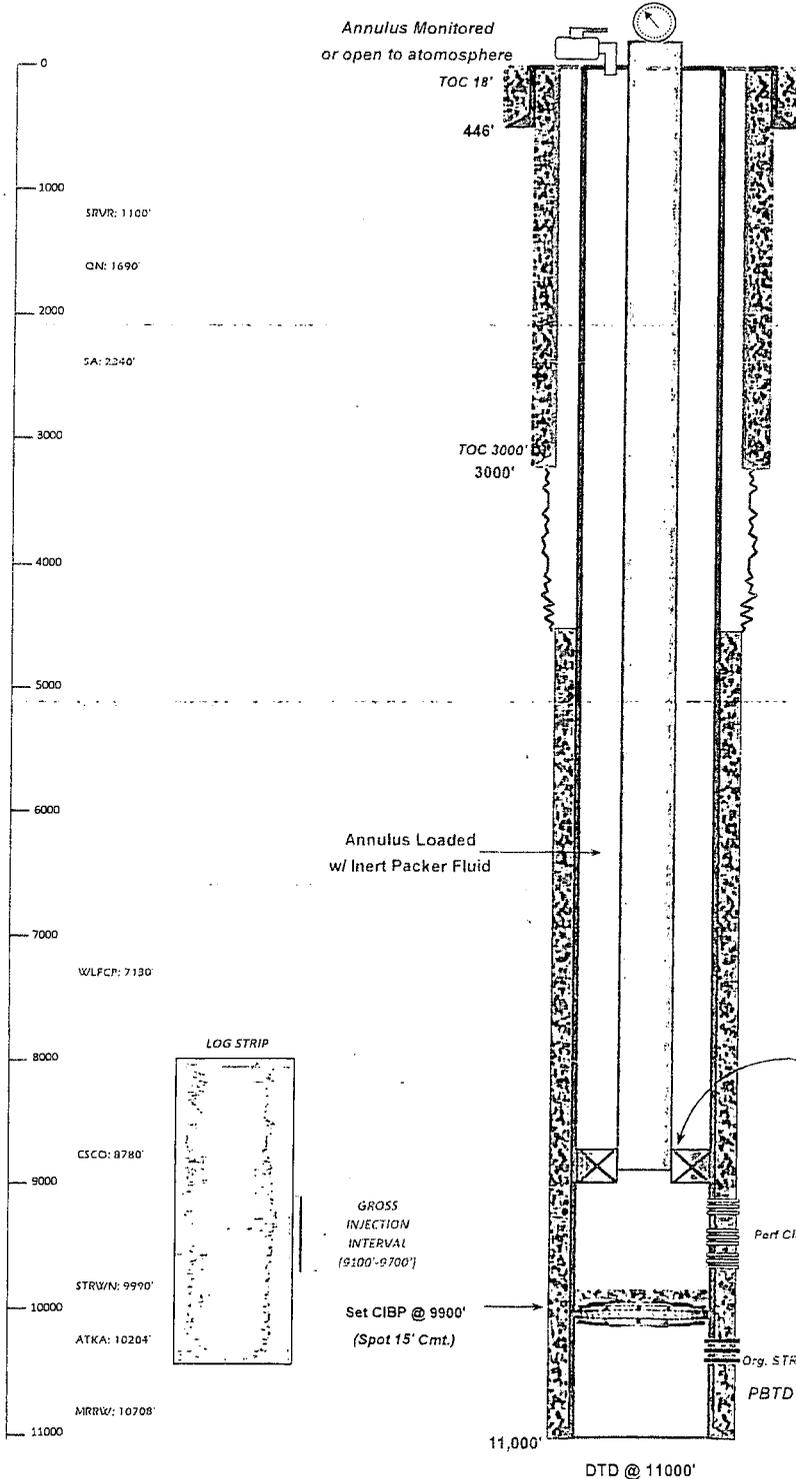
**WELL SCHEMATIC - PROPOSED**  
**Empire Deep 29 Federal Well No.2 SWD**

SWD; Cisco (96099)

API 30-015-32252

660' FSL & 660' FWL, SEC. 29-T17S-R29E  
 EDDY COUNTY, NEW MEXICO

Spud Date: 3/28/2002  
 Config SWD Dt (Est): ~4/15/2



Injection Pressure Regulated  
 and Volumes Reported  
 1830 psi Max. Surface (0.2 psi/ft)

Surface Casing

13.375", 48.0# H-40 STC Csg. (17.5" Hole) @ 446'  
 491 sx - Circulated to Surface

Intermediate Casing

9.625", 40.0# J-55 Csg. (11.0" Hole) @ 3000'  
 1025 sx - Circulate to Surface

**RAVINE STATE OIL OPERATING, INC.**

Convert to SWD: Pull Existing Production Equipment.  
 Set CIBP @ 9900 w/ 50' Cmt Cap.  
 Perforate Specific Intervals TBD.  
 Run PC Tubing and PKR - Conduct MIT.  
 Commence Disposal Operations.



0  
 1000  
 2000  
 3000  
 4000  
 5000  
 6000  
 7000  
 8000  
 9000  
 10000  
 11000

STRVR: 1100'  
 QN: 1690'  
 SA: 2340'  
 WLFPC: 7130'  
 CSCO: 8780'  
 STRWN: 9990'  
 ATKA: 10204'  
 MRRW: 10708'

Drawn by: Ben Stone 1/22/2018



# BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

## Conditions of Approval for Workover/Deepening of a Well

1. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. Cement: Notify BLM if cement fails to circulate.
4. Subsequent Reporting: Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
6. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.