

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

New Mexico Oil Conservation Division, District 1
HOBBS 0085 N. French Drive
Hobbs, NM 88240
APR 05 2012

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.
NM-15677A

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
Doral Energy Corporation

3a. Address
Agent Address : P. O. Box 1361
Roswell, NM 88202

3b. Phone No. (include area code)
Agent Phone 575-623-0438

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

8. Well Name and No.
Strange Federal 3

9. API Well No.
30-005-20719

10. Field and Pool or Exploratory Area
Tomahawk San Andres

11. Country or Parish, State
Chaves, NM

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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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.)

Well was previously P&A then reentered as a short radius horizontal in the San Andres. The 5 1/2" casing was perforated at 400' from surface to circ cmt, and a pump in rate could not be established. The calculated top of cmt on the 5 1/2" casing is surface, and perforating the 5 1/2" confirmed a cement top above 400'. The well will be P&A as followed:


- 1) Set CIR @ 3925 just above top of milled casing section and squeez cmt milled section, curve and lateral with maximum of 100 sx Class C (yield 1.32), 18% excess over hole volume. Sting out and finish with 25' on top of CIR.
- 2) Circ hole with 9 ppg mud laden fluid.
- 3) Set 100' cmt plug at 2800' - 2700'.
- 4) Set 100' cmt plug at 1700' - 1600' across 8 5/8" casing shoe.
- 5) Set 100' cmt plug at 450' - 350' across old squeeze perms described above.
- 6) Set 25' cmt plug from 25' to surface.
- 7) Cut off well head and weld on dry hole marker that is no less than 4" in diameter and a minimum 4' above ground level set in cement that describes operator name, lease name, well number, and legal location.
- 8) Remove anchors and debris, level and reclaim loction as required.

APPROVED FOR 3 MONTH PERIOD
ENDING JUN 29 2012

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

Name (Printed/Typed)
John C. Maxey - Agent

Title Petroleum Engineer

Signature 

Date 03/16/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **/S/ DAVID R. GLASS**

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 these rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title PETROLEUM ENGINEER

Office ROSWELL FIELD OFFICE

Date MAR 29 2012

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)
**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

APR 10 2012

Strange Fed 3
2100 FSL & 1980 FEL
Sec 25 7S 31E
Chaves Co., NM
Elev 4,408' KBE
Dated 3/16/2012

Perf 400' w/ 9 shots and
press to 1200 psi, couldn't
pump into on preveous P&A
attempt.

8 5/8" 24# J55 @ 1650' w/ 850 sx cmt,
circulated to surf.

Current

Mill csg from 3956 to 4006. KO lateral @ 3988' and drill at a
build rate of 80°/100', land horizontal at 4100' md (4072' tvd).
Finish drilling lateral at 90° for a distance of 911' with the BHL
on an azimuth of 233°. Complete open hole.

Cmt

Perfs 3808-4227 for SWD. Perfs squeezed during horizontal
operation.

5 1/2" 14# csg @ 4288' cmt w/ 1650 sx. TOC
surface (calc).

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
(575) 627-0272

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. **Plugging operations** shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon. **If you are unable to plug the well by the 90th day provide the BLM Roswell Field Office (RFO), prior to the 90th day, with the reason for not meeting the deadline and a date when the BLM Roswell Field Office can expect the well to be plugged. Failure to do so will result in enforcement action. Unless the well has been properly plugged, the rig shall not be removed from over the hole without prior approval.**

2. **Notification:** Contact the BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" for up to 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 feet plugs, mixed at 16.4 lbs./gal with 4.3 gallons of fresh water per sack.

6. **Monument:** Upon abandonment of the well, all casing shall be cut-off at the base of the cellar or 3-feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

7. **Timing Limitation Lease Stipulation / Condition of Approval For Lesser Prairie-Chicken:** Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1 through June 15 annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D seismic operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise.

8. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to the BLM Roswell Field Office. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

Following the submittal and approval of the Subsequent Report of Abandonment, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.