

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

HOBBS OCD
OCD Hobbs
OCT 24 2017
RECEIVED

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.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM NM 57713
2. Name of Operator ROCKCLIFF OPERATING NEW MEXICO LLC (37445)		6. If Indian, Allottee or Tribe Name
3a. Address 1301 MCKINNEY; STE 1300; HOUSTON TX 77010		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) 713-351-0534		8. Well Name and No. EL ZORRO C FEDERAL #2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 11, T09S, R36E 660' FNL & 660' FEL		9. API Well No. 30-025-03568
		10. Field and Pool, or Exploratory Area LOVING
		11. County or Parish, State LEA COUNTY, NEW MEXICO

12. CHECK 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"/> INT TO PA pm <input type="checkbox"/> P&A NR <input type="checkbox"/> P&A R
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input checked="" 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 recomplate 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

When working to TA well, a casing leak was discovered at surface. Plan is to PA well. Well has been shut-in for 2.5 years and produced less 1 bbl over a 4-5 day period, while making 20 BWPD.

Proposed P&A:

- CIBP is already set @ 4,800ft
- Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 4,800ft
- Set 7-5/8in CIBP @ 4,050ft
- Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 4,050ft
- Set 7-5/8in CIBP @ 2,882ft
- Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 2,882ft
- Set 7-5/8in CIBP @ 2,256ft
- Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 2,256ft
- Set 7-5/8in CIBP @ 470ft
- Set a 120sxs of CL C balanced plug on top of CIBP @ 470ft to surface
- Cut off WH & anchors, verify cmt to surface, install P&A marker (LPC area, therefore install marker 3t below GL, record GPS coords, take photo)

* Add Plugs a. Drill out CIBP @ 4800'
b. Spot 25sx Plug @ 7790-7600' Tag
c. Spot 25sx Plug from 5590-5430'
Continue to step 1 & set CIBP at 4800'

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) JAMIE A. ROBINSON		Title SR. REGULATORY ANALYST
Signature jrobinson@rockcliffenergy.com	<small>Digitally signed by jrobinson@rockcliffenergy.com DN: cn=jrobinson@rockcliffenergy.com Date: 2017.10.05 08:09:41 -0500</small>	Date 10/19/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>J. Wells</i>	Title Eng	Date 10/20/17
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 CFO	

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)

FOR RECORD ONLY
MW/OCD 10/24/2017



El Zorro C Fed #2
 API 30-025-03568 (Section 11 : 9S : 36E) Lea County
 Spud on 1-10-56
 Proposed PA WBD - 10/2017

Unknown Conductor

Hole: 15" & Casing: 10-3/4" 32.75.5#
 Set @ 435' w/ TOC at Surface
 Cmt w/425 sx

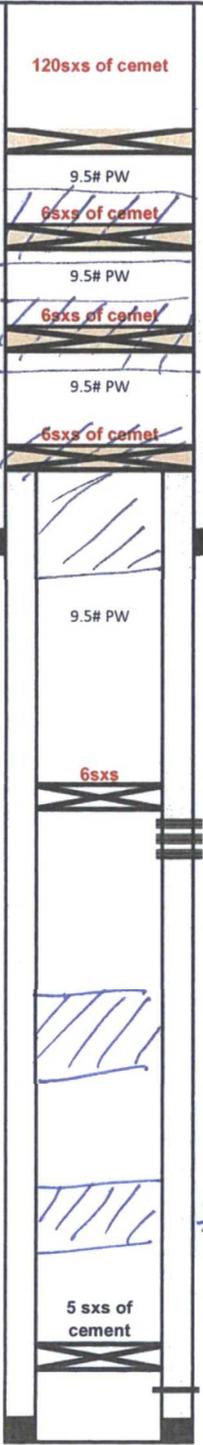
Formation Tops

Anhydrite	2,222ft
Salt	2,306ft
btm of Salt	2,832ft
San Andres	4,097ft
Glorietta	5,537ft
Tubb	6,943ft
Abo Shale	7,730ft
Penn	8,998ft

Top of Liner Hanger @ 4,051'
 Cemented with 300 sx squeezed over top, 200sxs on btm

Hole: 9-3/4" & Casing: 7-5/8" 26.4#
 Set @ 4,221' w/ TOC at Surface
 Cmt w/ 1,300sx

Hole: 6-3/4" & Casing Liner : 5-1/2" Liner 17#
 Set from 4,051'-9,719'
 Cmt w/ 500 sx



GL: 4,044ft
 KB: ?ft

TUBING ASSEMBLY			
DESCRIPTION	# OF JTS	LENGTH	DEPTH
None in well			

ROD / PUMP ASSEMBLY			
DESCRIPTION	# OF JTS	LENGTH	DEPTH
None in well			

485
 7-5/8in CIBP @ 470ft
 7-5/8in CIBP @ 2,256ft
 Spot 25 sx cmt from 2356-2236
 7-5/8in CIBP @ 2,882ft
 Spot 25 sx cmt from 2882 - 2752
 7-5/8in CIBP @ 4,050ft
 Spot 35 sx cmt from 4271-4000'

Proposed P&A:

1. CIBP is already set @ 4,800ft
2. Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 4,800ft
3. Set 7-5/8in CIBP @ 4,050ft
4. Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 4,050ft
5. Set 7-5/8in CIBP @ 2,882ft
6. Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 2,882ft
7. Set 7-5/8in CIBP @ 2,256ft
8. Dump bail 6sxs (35ft) of Cl C on top of CIBP @ 2,256ft
9. Set 7-5/8in CIBP @ 470ft
10. Set a 120sxs of CL C balanced plug on top of CIBP @ 470ft to surface
11. Cut off WH & anchors, verify cmt to surface, install P&A marker (LPC area),

5.5in CIBP @ 4,800ft

San Andres Perf (4,868-4,970') - 25PF, 88 holes

* Spot 25 sx cmt from 5590' to 5430'

* Spot 25 sx cmt from 7780-7600'
 Tag

CIBP @ 9,660'

Bough "C" Perfs (9,698-9,714') - (500 gal 15% acid)

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Permanent Abandonment of Federal Wells
Conditions of Approval (LPC Habitat)**

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 this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging 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 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** 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 are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings 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. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. 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.**

8. 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.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th 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