

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

**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. NMNM-32636
2. Name of Operator ROCKLCIFF OPERATING NEW MEXICO LLC		6. If Indian, Allottee or Tribe Name
3a. Address 1301 MCKINNEY; STE 1300; HOUSTON TX 77010	3b. Phone No. (include area code) 713-351-0534	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 12 T23S R28E SWSW 900FSL & 990FWL		8. Well Name and No. TELEDYNE 12 FEDERAL 1
		9. API Well No. 30-015-33930
		10. Field and Pool, or Exploratory Area HERRADURA BEND; DELAWARE EAST
		11. County or Parish, State EDDY 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"/> 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 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.)

- SPOT 55 SX @ 2740-2390 (T/DLWR TO B/SALT); WOC 4 HRS AND TAG
- MIX & CIRC TO SURFACE 80 SX CMT 641-3 (8-5/8" SHOE & TOP OF SALT)
- VERIFY CMT TO SURF, DIG OUT & CUT OFF WH 3' BGL; WELD STEEL PLATE & INSTALL DHM
- REMEDiate LOCATION AS PER BLM GUIDELINES

GC 6/26/19  
Accepted for record - NMOCD

RECEIVED

JUN 25 2019

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

DISTRICT II-ARTESIA O.C.D.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) JAMIE A ROBINSON		Title SR REGULATORY ANALYST
Signature 		Date 05/19/2019

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

Approved by 	Title SAET	Date 5-26-19
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 48 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)



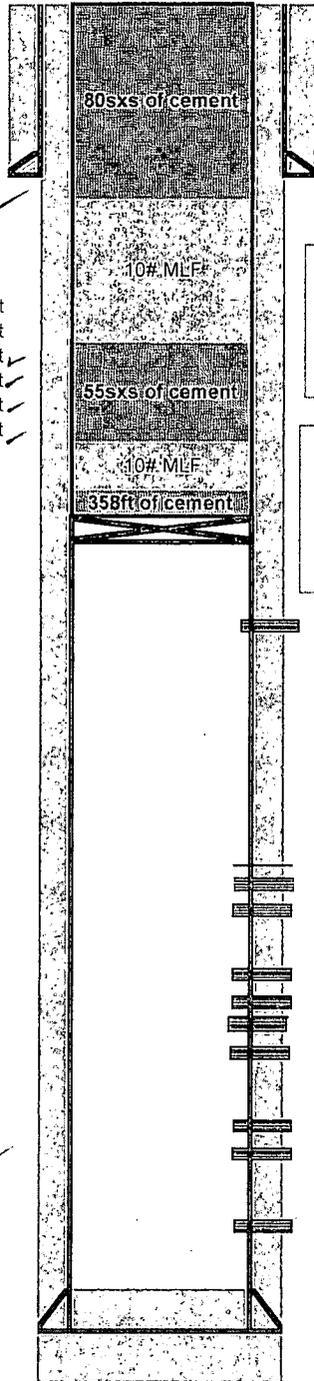
**TELEDYNE 12 FEDERAL #001**  
**API: 30-015-33930**  
**Eddy County, New Mexico**  
**UNIT M : Sec 12 : T23S : R28E : 990/S & 990/W**  
**Proposed P&A - 12/2018**

KB: 13ft  
 GL: 2,999ft

12-1/4in Hole  
 8-5/8in CSG at 591ft  
 TOC @ surf  
 550 sxs, 35bbbls to surface

Formation Tops

Salt	268ft
btm of Salt	2,440ft
Delaware Sand	2,662ft
Cherry Canyon	3,409ft
Brushy Canyon	4,727ft
Bone Spring	6,264ft



Depth	Size	Weight	CASING PROGRAM			Collapse	Burst
			Grade	I.D.			
591ft	8-5/8"	24#	J-55 STC	8.097	1,370	2,950	
6,487ft	5-1/2"	15.5#	J-55 LTC	4.950	4,040	4,810	

Depth	Size	Weight	Grade	Threads
				None in well

**Proposed P&A:**

1. Spot 55 sxs @ 2,740ft-2,390ft (T/Dlwr to B/Salt); WOC 4hrs and TAG
2. Mix and circ. to surface 80 sxs cmt @ 641ft - 3ft (8-5/8" shoe & top of salt)
3. Verify cmt to surface, dig out & cut off WH 3ft BGL; weld steel plate & install DHM.
4. Remediate location as per BLM guidelines

**Completed TA (9-20-17):**

1. Set 5.5in CIBP @ 4,707ft
2. Tag CIBP circ hole with 80bbbls brine.
3. Spot 25 sxs @ 4,707ft-4,454ft, 27bbbls displacement, WOC for 4hrs/Tag cmt @ 4,349ft
4. Circulate 110bbbls FW + Biocide & Corrosion inhib

**Pardue Perforations:**

4,757' - 4,763' (3spf, 18holes) ✓

**Brushy Canyon "AA" Perforations:**

5,858' - 5,864' (4 SPF, 24 HOLES)  
 5,866' - 5,876' (3 spf, 9 holes)  
 5,912' - 5,922' (3 spf, 9 holes)

Acid job, 83bbbls of acid + 4000# rock  
 Frac w/ 62,379# (7/2005)

**Brushy Canyon "A & B" Perforations:**

5,980' - 5,983' (4 SPF, 12 HOLES)  
 6,023' - 6,043' (4 SPF, 80 HOLES)  
 6,060' - 6,066' (6 spf, 36 holes) ✓  
 6,091' - 6,096' (4 SPF, 20 HOLES)

Acid job, 83bbbls of acid + 4000# rock  
 salt for diversion (7/2014)  
 Frac w/ 75,236# 20/40 (7/2012)  
 Acid job (7/2014)

**Brushy Canyon "C" Perforations:**

6,162' - 6,171' (4 SPF, 36 HOLES)  
 6,182' - 6,192' (3 spf, 6 holes)

Acid job (7/2014)  
 Frac w/ 62,379# (7/2005)

**Brushy Canyon "D" Perforations:**

6,240' - 6,250' (3 spf, 6 holes)

Frac w/ 62,379# (7/2005)

PBTD = 6,399' ✓

Note: This schematic is not to scale. For display purposes only.

756490

7-7/8in Hole  
 5-1/2in CSG at 6,487ft  
 TOC @ Surf  
 1,572 sxs

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

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 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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. Dry Hole Marker: 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 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

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.