

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
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.  
NMLC063927

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
NMNM101360X

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other: INJECTION

8. Well Name and No.  
NORTH SQUARE LAKE UNIT 4

2. Name of Operator Contact: JOEL HALE  
CBS OPERATING CORPORATION E-Mail: JHALE@BOAZENERGY.COM

9. API Well No.  
30-015-20127-00-S1

3a. Address  
MIDLAND, TX 79702

3b. Phone No. (include area code)  
Ph: 432-253-7074

10. Field and Pool, or Exploratory  
SQUARE LAKE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 19 T16S R31E NESE 1650FSL 990FEL

11. County or Parish, and State  
EDDY COUNTY, NM

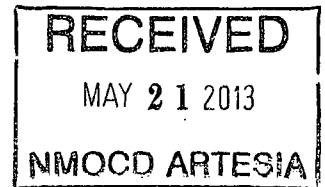
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input 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 checked="" 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 checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<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 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 shall 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 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.)

On 2/20/13, Boaz Energy NLSU #4 failed MIT. The following work was performed on the well in attempt to return to compliant status.

Boaz began work on well 4/2/13.  
- Hole was found in casing at 2332' from surface.  
- CIBP set at 2930  
- 125sx Class C cement was squeezed under BOP with 150psi.  
- TOC at 2156  
- Cement was drilled out to 2804'but did not hold.  
- Verbal agreement was made with Wesley Ingram to perforate and test Penrose formation to determine path forward.  
- Perforated 2745-2753. Could not establish pumping rate into formation.



Accepted for record  
NMOC D UEdade 5/24/13

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

Electronic Submission #206165 verified by the BLM Well Information System  
For CBS OPERATING CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 05/08/2013 (13WWI0204SE)

Name (Printed/Typed) JOEL HALE

Title ENGINEER

Signature (Electronic Submission)

Date 05/03/2013

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

Approved By **ACCEPTED**

WESLEY INGRAM  
Title PETROLEUM ENGINEER

Date 05/18/2013

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 Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #206165 that would not fit on the form**

**32. Additional remarks, continued**

- Plugging procedures submitted
- Shut down until plugging procedures approved.

Attached is daily work over summary.

Also attached is current well bore schematic. All items in red are from the above operation.

4/2/13 - Release packer and TOOH. Run bit and scraper to top perf.

4/3/13 - RIH with Packer. Found hole in casing at 2332'. set packer to shut off water flow. 4/4/13 - Set CIBP at 2930.

4/5/13 - Pumped 125 sx Class C cement down tubing. Squeeze beneath BOP with 150psi.

4/7/13 - Tagged TOC at 2126. Tested casing from 2000' to surface to 500psi and held. Drilled to 2268

4/8-10/13 - Drilled from 2268 to 2458. Test casing from 2300' down to 600psi, lost 200psi over 5min hold.

4/9/13 - Drilled from 2458 to 2713

4/10/13 - Drilled from 2713 to 2804. Ran bit and scraper.

4/11/13 - RIH wireline and perforated 2745-2753 @3 SPF. Could not establish rate into formation. Decide to P&A.

4/12/13 - RIH Packer and set at 2176. Shut down for approval to plug.

Lease : NORTH SQUARE LAKE UNIT Date: 4/9/2013  
 Well Number: 4 County: EDDY  
 Well Location: 1650' FSL & 990' FEL ULI Sec: 19 API #: 30-015-20127  
 TwN : 16S Range: 31E

Surface Casing Size: 8-5/8" Weight: 24# Date Set: 3/13/1968  
 Depth set : 460' Sx of Cement : 150 TOC :

Production Casing Size : 4-1/2" Weight: 10.5# J55 Date Set: 3/28/1968  
 Depth set : 3338' Sx of Cement : 300 TOC :

Plug Back: CIBP 2930 CMT 2804'

Perforations : [QUEEN] 2745-2753  
[UNIT] 3002-3021', 3070-3124', 3148-3190', 3284-3311' 1 SPF

Total # of Holes : 115 Hole Size:

Initial Stimulation: A/1000 gals; F/30,000 g gel, 30,000# sand  
 Date: 3/28/1968

Subsequent Stim: A/7000 gals 15% + balls  
 Date: 1/20/2005

Initial Potential : BOPD: 60 BWPD: 2  
 Date: 4/5/68 MCFPD:  Method: Pump

Elevations: GL 3872' KB 3879  
 TD 3342' PBTD 3338'

4/11/1969 Commence water injection  
2/8/2005 Perforate, commence water injection