

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

5. Lease Serial No.  
**NMNM-048344**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**WILLIAMS A FEDERAL #4T**

3  
30-015-33130

10. Field and Pool, or Exploratory Area  
Artesia, Glorieta-Yeso (96830)  
Red Lake, Queen-Grayburg-San Andres (51300)  
Eddy County, New Mexico

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**LRE OPERATING, LLC**

3a. Address c/o Mike Pippin LLC  
3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)  
505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1650' FSL & 330' FWL Unit L  
Sec. 29, T17S, R28E

**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 checked="" type="checkbox"/> Other <u>Pool Allocations</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 Operations (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.)

On 2/11/14, a payadd workover in the San Andres opened additional SA perfs 1780'-2600' in this DHC well (DHC-4211), which was initially DHCed on 1/21/10. The existing Yeso perfs were 3328'-3482' & existing San Andres perfs were 2683'-2949'. The attached calculations indicate the new pool allocations to be as follows:

	UPPER POOL (SA)	LOWER POOL (YESO)
OIL	94%	6%
GAS:	96%	4%

Accepted for record  
10/21/14  
NM OIL CONSERVATION  
ARTESIA DISTRICT  
JUL 25 2014  
ACCEPTED FOR RECORD  
JUL 21 2014  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

Name (Printed/Typed) **Mike Pippin** Title **Petroleum Engineer (Agent)**

Signature *Mike Pippin* Date **March 2, 2014**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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 \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes 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.

LIME ROCK RESOURCES A, L.P.  
WILLIAMS A FEDERAL #4T  
Artesia; Glorieta-Yeso & Red Lake, Queen-Grayburg-San Andres  
L Section 29 T17S R28E  
3/2/2014  
API#: 30-015-33130

## Commingle Allocation Calculations After Payadd Workover

On 2/11/14, a payadd workover was completed on the upper San Andres with the former San Andres perfs (2683'-2949') and Yeso perfs (3328'-3482') below a RBP @ 2649'. On 2/15/14, the upper San Andres tested 77 BOPD & 344 MCF/D. The RBP will soon be removed.

During July 2009, the existing lower zone, Yeso, (3328'-3482') averaged 6 BOPD & 17 MCF/D. On 11/1/09, the upper zone was completed produced on-line alone with the lower zone below a RBP.

On 11/27/09, the San Andres (2683'-2949') was IP Tested for 14 BOPD & 29 MCF/D.

On 1/21/10, the RBP was removed and the two pools initiated production downhole commingled as per DHC-4204.

### Total Upper Zone San Andres Production

Oil: 14 + 77 = 91 BOPD  
Gas: 29 + 344 = 373 MCF/D

### Total Production

Oil: 14 + 6.0 + 77 = 97 BOPD  
Gas: 29 + 17 + 344 = 390 MCF/D

### OIL

Upper Zone (SA) = 91 MOPD  
% Upper Zone =  $\frac{91}{97} = 94\%$

Lower Zone (Yeso) = 6 BOPD  
% Lower Zone =  $\frac{6.0}{97} = 6\%$

### GAS

Upper Zone (SA) = 373 MCF/D  
% Upper Zone =  $\frac{373}{390} = 96\%$

Lower Zone (Yeso) = 17 mcf/d  
% Lower Zone =  $\frac{17}{390} = 4\%$