

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

5. Lease Serial No. LC-057798  
6. If Indian, Allottee or Tribe Name  
7. If Unit or CA/Agreement, Name and/or No.  
8. Well Name and No. **LOGAN 35 FEDERAL #1**  
9. API Well No. 30-015-36081  
10. Field and Pool, or Exploratory Area  
Red Lake, Glorieta-Yeso NE (96836)  
Red Lake, Qn-Grayburg-San Andres (51300)  
AND  
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  
**LIME ROCK RESOURCES II-A, L.P.**

3a. Address  
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)  
  
1520' FSL & 1280' FEL Unit I  
Sec. 35, T17S, R27E

**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 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 type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>Commingled</u>
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <u>1st Delivery &amp; Pool</u>
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal <u>Allocations</u>

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 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.)

This oil well was redelivered on 6/20/12 after being downhole commingled as per DHC-4457. It was tested commingled on 7/21/12 for 40 BOPD & 119 MCF/D. The upper zone (San Andres) was tested single on 12/16/10 for 12 BOPD & 60 MCF/D. The attached calculatons indicate the following production allocations for each pool.

LOWER ZONE	UPPER ZONE (SA)
OIL 70%	30%
GAS 50%	50%

Yeso perms: 3041'-3453' & San Andres perms: 2056'-2345'

**ACCEPTED FOR RECORD**  
NOV 30 2012  
*Jennifer Mason*  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

*Added 12/11/2012*  
**Accepted for record**  
NMOCD

*submit completion report*

Permit

Name (Printed/Typed) Mike Pippin	Title Petr. Engr. (Agent)
Signature <i>Mike Pippin</i>	Date July 23, 2012

**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 II-A, L.P.  
LOGAN 35 FEDERAL #1  
Red Lake; Glorieta-Yeso NE & Red Lake, Queen-Grayburg-San Andres  
I Section 35 T17S R27E  
7/23/2012 – Mike Pippin  
API#: 30-015-36081

## Commingle Allocation Calculations

On 12/16/10, the upper zone (San Andres) tested at 12 BOPD & 60 MCF/D from San Andres perfs 2056'-2345'.

On 6/15/12, the RBP above the lower zone (Yeso) perfs 3041'-3453' was pulled, which commingled the Yeso with the San Andres.

On 7/21/12, the commingled Yeso & San Andres tested for 40 BOPD & 119 MCF/D.

Therefore, lower zone (Yeso) oil production is  $40 - 12 = 28$  BOPD.

Therefore, lower zone (Yeso) gas production is  $119 - 60 = 59$  MCF/D.

### RECOMMENDED NEW OIL ALLOCATION

$$\% \text{ Lower Zone} = \frac{28}{40} = \underline{70\%}$$

$$\% \text{ Upper Zone} = \frac{12}{40} = \underline{30\%}$$

### RECOMMENDED NEW GAS ALLOCATION

$$\% \text{ Lower Zone} = \frac{59}{119} = \underline{50\%}$$

$$\% \text{ Upper Zone} = \frac{60}{119} = \underline{50\%}$$