

DATE IN 9/15/09	SUSPENSE	ENGINEER WVS	LOGGED IN 9/15/09	DHC TYPE 4210	UNK 0925856157 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



NO BLUFF 36 STATE COM #6 30-039-34134

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]  
 [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]  
 [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_

RECEIVED OGD  
 2009 SEP 15 A 11:53

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply
- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Mike Pippin		Petroleum Engineer	September 11, 2009
Print or Type Name	Signature	Title	Date

mike@pippinllc.com  
 e-mail Address

LIME ROCK RESOURCES A, L.P.  
Mike Pippin  
3104 N. Sullivan Avenue  
Farmington, NM 87401  
505-327-4573 (phone) mike@pippinllc.com

September 11, 2009

NMOCD  
c/o Will Jones  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**RE: C-107A TO COMMINGLE TWO POOLS**  
No Bluff 36 State Com #6 – API#: 30-015-34134  
Unit Letter "D" Section 36 T17S R27E  
Eddy County, New Mexico

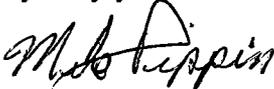
Dear Mr. Jones:

The referenced oil well has produced since October 2005 from the Red Lake, Glorieta-Yeso NE (96836). Lime Rock would like to open an upper pool, the Red Lake, Queen-Grayburg-San Andres (51300) and commingle the two pools. A sundry notice has been submitted to open the upper interval.

Lime Rock is requesting approval to commingle the two pools upon completion of rig operations. The allocation will be calculated by subtracting the total well production after two months of commingled production from the current production of 3 BOPD and 60 MCF/D. We plan to submit these calculations and the resulting allocation to the district office after the well has been on line for about 2 months.

Please contact me at 505-327-4573 should you have any questions.

Very truly yours,



Mike Pippin

Petroleum Engineer

District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1600 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87503

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

**Oil Conservation Division**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
 Single Well  
 Establish Pre-Approved Pools  
EXISTING WELLBORE  
 Yes  No

**APPLICATION FOR DOWNHOLE COMMINGLING**

**LIME ROCK RESOURCES A. L.P.** c/o Mike Pippin LLC (agent), 3104 N. Sullivan, Farmington, NM 87401  
Operator Address **DAC 4210**

**NO BLUFF 36 STATE COM #6** **D SEC. 36 T17S R27E** **Eddy**  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 255333 Property Code \_\_\_\_\_ API No. 30-015-34134 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE ✓	INTERMEDIATE ZONE	LOWER ZONE ✓
Pool Name	<b>RED LAKE; Queen-Grayburg-San Andres</b>		<b>RED LAKE; Glorieta-Yeso NE</b>
Pool Code	51300		96836
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	~1990'-2920'		3015'-3323'
Method of Production (Flowing or Artificial Lift)	Pumping		Pumping
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	<b>74 PSC FROM FLUID LEVELS → 851 PSC</b>		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.8		38.32
Producing, Shut-In or New Zone	New Zone		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: RATES:	Date: Rates:	Date: May 2009 Rates: 3 BOPD 60 MCF/D
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas	Oil Gas	Oil Gas
		% %	

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No \_\_\_\_\_  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes \_\_\_\_\_ No \_\_\_\_\_

Are all produced fluids from all commingled zones compatible with each other? Yes  No \_\_\_\_\_

Will commingling decrease the value of production? Yes \_\_\_\_\_ No  \_\_\_\_\_

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No \_\_\_\_\_

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:  
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.  
Production curve for each zone for at least one year. (If not available, attach explanation.)  
For zones with no production history, estimated production rates and supporting data.  
Data to support allocation method or formula.  
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.  
Any additional statements, data or documents required to support commingling.

**PRE-APPROVED POOLS**

If application is to establish Pre-Approved Pools, the following additional information will be required:  
List of other orders approving downhole commingling within the proposed Pre-Approved Pools  
List of all operators within the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE September 11, 2009

TYPE OR PRINT NAME Mike Pippin TELEPHONE NO. ( 505 ) 327-4573

E-MAIL ADDRESS mike@pippinllc.com

# NO BLUFF 36 STATE COM #6

Current

RED LAKE; Glorieta-Yeso NE  
RED LAKE; Queen-Grayburg-San Andres

(D) Section 36, T-17-S, R-27-E, Eddy County, NM

Today's Date: 9/10/09  
Spud: 9/20/05  
Completed: 10/17/05  
Elevation: 3566' GL

API#: 30-015-34134

Grayburg @ 1305'

San Andres @ 1655'

Glorieta @ 3014'

12-1/4" hole

8-5/8" 32# Csg @ 395'  
Cmt w/325 sxs (Circulated cement)

2-7/8" tubing @ 3423'

RED LAKE; Queen-Grayburg-San Andres  
Proposed Perfs: ~1990'-2920'

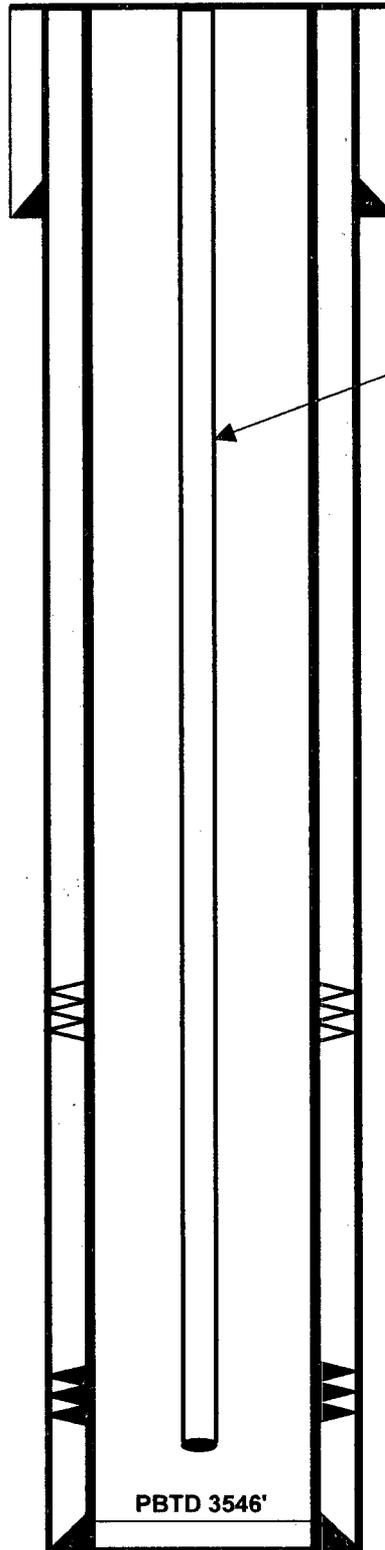
RED LAKE; Glorieta-Yeso  
Existing Perfs: 3015'-3323'

PBTD 3546'

7-7/8" hole

TD 3595'

5-1/2" 15.5# Csg @ 3595'  
Cmt with 855 sx



District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
1301 W. Grand Ave., Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Permit 8509

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-34134	Pool Name RED LAKE, GLORIETA YESO, NORTHEAST	Pool Code 96836
Property Code 25212	Property Name NO BLUFF STATE COM	Well No. 006
OGRID No. 148111	Operator Name SOUTHWESTERN ENERGY PRODUCTION COMPANY	Elevation 3566

**Surface And Bottom Hole Location**

UL or Lot D	Section 36	Township 17S	Range 27E	Lot Idn D	Feet From 1125	N/S Line N	Feet From 330	E/W Line W	County Eddy
Dedicated Acres 40		Joint or Infill		Consolidation Code		Order No.			

<input checked="" type="checkbox"/>			

**OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  
Electronically Signed By: Terry Jasso  
Title: Engineer Tech  
Date: 05/20/2005

**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  
Surveyed By: Gary Eidson  
Date of Survey: 05/02/2005  
Certificate Number: 12641

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-34134		<sup>2</sup> Pool Code 51300		<sup>3</sup> Pool Name Red Lake; Queen-Grayburg-San Andres	
<sup>4</sup> Property Code		<sup>5</sup> Property Name NO BLUFF 36 STATE COM			<sup>6</sup> Well Number 6
<sup>7</sup> OGRID No. 255333		<sup>8</sup> Operator Name LIME ROCK RESOURCES A, L.P.			<sup>9</sup> Elevation 3566' GL

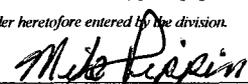
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	17-S	27-E		1125'	NORTH	330'	WEST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 40		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<div style="border: 1px solid black; padding: 5px; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center;"> <span style="writing-mode: vertical-rl; transform: rotate(180deg);">1125'</span> </div> <div style="border: 1px solid black; padding: 5px; width: 50px; height: 20px; display: flex; align-items: center; justify-content: center;"> <span style="writing-mode: vertical-rl; transform: rotate(180deg);">330'</span> </div>	36	<p><sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p style="text-align: right;">               Signature <span style="float: right;">9/10/09</span>              Date           </p> <p>             Mike Pippin              Printed Name           </p>
	<p><sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>5/2/05</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: Gary Eidson</p>	
	<p>12641</p> <p>Certificate Number</p>	

# Rate/Time Graph

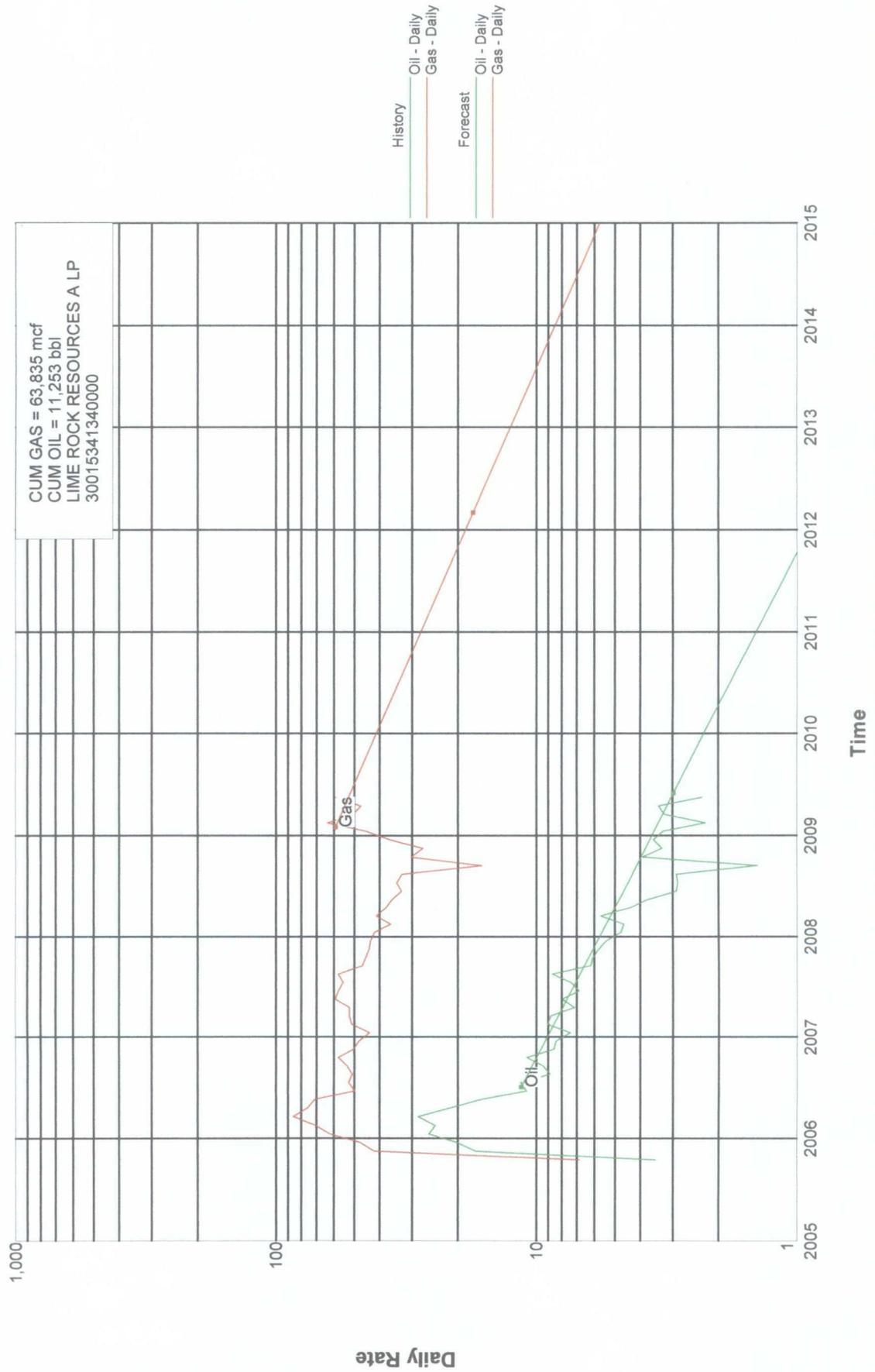
Project: c:\program files\ihs energy\powerools v9.0\projects\biya2\project1.mdb

Date: 9/11/2009  
Time: 8:47 AM

Lease Name: NO BLUFF STATE COM (6)  
County, ST: EDDY, NM  
Location: S17 E27 36 SW NW NW

Operator: LIME ROCK RESOURCES A LP  
Field Name: RED LAKE NORTHEAST

## NO BLUFF STATE COM - 6 GLORIETA YESO S17 E27 36 SW NW NW 10/2005



Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Ave., Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 June 19, 2008

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-015-34134
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>NO BLUFF 36 STATE COM</b>
8. Well Number #6
9. OGRID Number 255333
10. Pool name or Wildcat: (96836) Red Lake, Glorieta-Yeso, NE
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3566' GL

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
**LIME ROCK RESOURCES A, L.P.**

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

4. Well Location  
 Unit Letter D : 1125 feet from the NORTH line and 330 feet from the WEST line  
 Section 36 Township 17-S Range 27-E NMPM Eddy County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <u>Recomplete to San Andres</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Lime Rock plans to recomplete to the San Andres as follows: TOH w/rods, pump, & tbg. Set a CBP @ 2960' (above existing Yeso perfs @ 3015'-3323'). PT 5-1/2" csg to 500-1000 psi. Perf lower San Andres @ about 2460'-2920'. Breakdown perfs w/ about 5500 gal 15% NEFE acid & frac w/about 115,000# 16/30 & 45,000# 12/20 sand. Set CBP @ 2420'. PT 5-1/2" csg to 500 psi. Perf middle San Andres @ about 1990'-2414'. Breakdown perfs w/about 5500 gal 15% NEFE acid & frac w/about 110,000# 16/30 & 45,000# 12/20 sand. CO after frac & drill CBPs @ 2420' & 2960'. CO to PBTD 3546'. Run tbg & land @ about 3450'. Run pump, & rods & initiate commingled production.

A C-107A has been submitted to Santa Fe to DHC the existing Yeso with the proposed San Andres. This proposed work will not be initiated until the DHC has been approved.

Spud Date: 9/20/05 Drilling Rig Release Date: 10/1/05

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE 9/10/09

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

**Jones, William V., EMNRD**

---

**From:** Mike Pippin [mike@pippinllc.com]  
**Sent:** Thursday, September 24, 2009 3:02 PM  
**To:** Jones, William V., EMNRD  
**Subject:** RE: DHC application from Lime Rock: 30-015-34134

The Lime Rock Production Engineer calculated these BHPs from recent fluid levels. San Andres: 741 psi. Yeso: 851 psi.

-----Original Message-----

**From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]  
**Sent:** Tuesday, September 15, 2009 2:52 PM  
**To:** Mike Pippin  
**Cc:** Ezeanyim, Richard, EMNRD  
**Subject:** DHC application from Lime Rock: 30-015-34134

Hello Mike:

Please send estimated reservoir pressures – looks like the 150% rule applies. Let me know if wrong on this.

Regards,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

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