

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



EAGLE 33 O FEDERAL #19 - -30-015-39459

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 _____
- [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
Print or Type Name

Mike Pippin
Signature

Petroleum Engineer
Title

February 22, 2016
Date

mike@pippinllc.com
e-mail Address

- DHC-4789
 - Limerock Resources
 U-A.L.P.
 277558
 well
 - Eagle 330
 Federal #1.9
 2016 FEB 25 P 3:20
 RECEIVED OOD
 30-015-
 39459
 Pool
 - Red LAKC
 Glonito-yesu
 5/1/20
 - Red LAKC
 G4CCN-UNAYGANG-SA

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

February 22, 2016

NMOCD
c/o Mike McMillan
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: C-107A TO COMMINGLE TWO POOLS
EAGLE 33 O FEDERAL #19 API#: 30-015-39459
Unit Letter "O" Section 33 T17S R27E
Eddy County, New Mexico

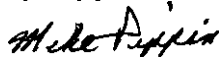
Dear Mr. McMillan,

The referenced oil well was completed on October 26, 2011 in the Red Lake, Glorieta-Yeso (51120). LIME ROCK has submitted the attached NOI sundry to the BLM to recomplete into the upper pool, the Red Lake, Queen-Grayburg-San Andres (51300). Interests in these two pools are identical. The BLM has been notified.

LIME ROCK plans to produce the upper pool (San Andres) alone for a period of about 2 months in order to allow the production to stabilize. The production allocations will then be calculated using the stabilized production of the upper pool and the current (Yeso) production of 1 BOPD, 90 MCF/D, and 101 BWPD. We plan to submit these calculations and the resulting allocations to the district office for approval.

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

Very truly yours,



Mike Pippin

Petroleum Engineer

District I
1425 N. French Drive, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

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

District III
1000 Rio Hondo Road, Aztec, NM 87410

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

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 II-A, L.P. c/o Mike Pippin LLC (agent), 3104 N. Sullivan, Farmington, NM 87401
Operator Address

EAGLE 33 O FEDERAL #19 O SEC. 33 T17S R27E Eddy
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 277558 Property Code 308944 API No. 30-015-39459 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Red Lake, Queen-Grayburg-San Andres		Red Lake, Glorieta-Yeso
Pool Code	51300		51120
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	~1400'-2575'		2783'-4223'
Method of Production (Flowing or Artificial Lift)	Prospective		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)	741 PSI		851 PSI
Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.8		38.32
Producing, Shut-In or New Zone	Proposed New Zone		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicants shall be required to attach production estimates and supporting data.)	Date: RATES:	Date: Rates:	Date: January 31, 2016 Rates: 1 BOPD 90 MCF/D 101 BWPD
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 February 22, 2016

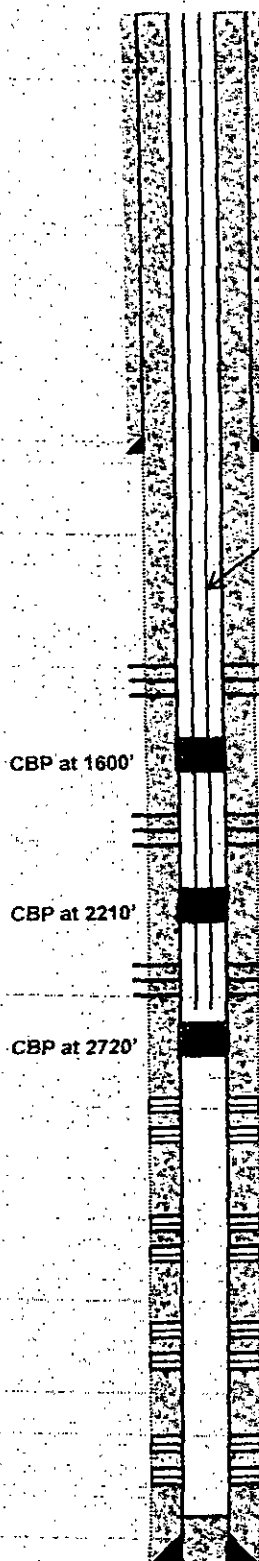
TYPE OR PRINT NAME Mike Pippin TELEPHONE NO. (505) 327-4573

E-MAIL ADDRESS mike@pippinllc.com



San Andres Recompletion
LRR II-A, L.P.
AFE #R16005

Eagle 33 O Federal #19
Sec 33-17S-27E (SW O)
290' FSL, 2210' FEL
Elevation - 3,533.8' RKB
API # 30-015-39459
Eddy County, NM



8-5/8", 24#, J-55 ST&C Casing @ 391'. Circ 138 sx to Surface. (9/30/2011)

2-7/8", 6.5#, L-80 Tubing, TAC at 1300', SN at 2530', 4' slotted sub, 1 ft MA w BP at 2565', 23-1" D rods (16 current), 74 - 7/8" D rods (current), 4-1.5" kbars, 2.5"x2"x20' RHBC-HVR pump, American 320-256-120 - 30 HP; 120" SL at 9 spm

Stage #3 San Andres:
1400'-1513', 25 holes,
1 SPF

113', 1500 g 15% HCL, 30,000 # 100 Mesh,
119,700 # 40/70, 4114 bbis water, 80 + BPM

Stage #2 San Andres:
1820'-2161', 34 holes,
1 SPF

341', 1500 g 15% HCL, 30,000 # 100 Mesh,
324,450 # 40/70, 7614 bbis water, 80 + BPM

Stage #1 San Andres:
2260'-2575', 29 holes, 1
SPF

315', 1500 g 15% HCL, 30,000 # 100 Mesh,
324,450 # 40/70, 7614 bbis water, 80 + BPM

Perfs: 2,783' - 3,058' (1 SPF - 40 holes @
0.4" EHD minimum and 29" penetration
minimum)
5/17/13

Stim: Acidize w/ 2000 gals 7.5% and
80 ball sealers. Frac w/ 53,802 gal
Viking 2000 x-linked gel, 78,216 lbs
16/30 White sand and 19,490 lbs
SiberProp

Perfs: 3,101' - 3,386' (1 and 2 SPF - 40 holes @
0.4" EHD minimum and 29" penetration minimum)
10/22/11

Stim: Acidize w/ 5040 gals 15% and 80 ball
sealers. Frac w/ 58,288 gal Viking 2000 x-linked
gel, 62,945 lbs 16/30 Brady sand and 16,123 lbs
SiberProp

Perfs: 3,445' - 3,736' (1 SPF - 40 holes @ 0.4"
EHD minimum and 29" penetration minimum)
10/22/11

Stim: Acidize w/ 2852 gals 15% and 80 ball
sealers. Frac w/ 73,268 gal Viking 2000 x-linked
gel, 66,555 lbs 16/30 Brady sand and 16,770 lbs
SiberProp

Perfs: 3,890' - 4,224' (1 and 2 SPF - 40 holes @
0.4" EHD minimum and 29" penetration minimum)
10/22/11

Stim: Acidize w/ 3000 gals 15% and 80 ball
sealers. Frac w/ 65,733 gal Viking 2000 x-linked
gel, 73,377 lbs 16/30 Brady sand and 17,935 lbs
SiberProp

PBTD @ 4,366'

5-1/2", 17#, J-55, ST&C Casing @ 4,413'. Circ 287 sx to Surface. (10/6/2011)

TD @ 4,430'

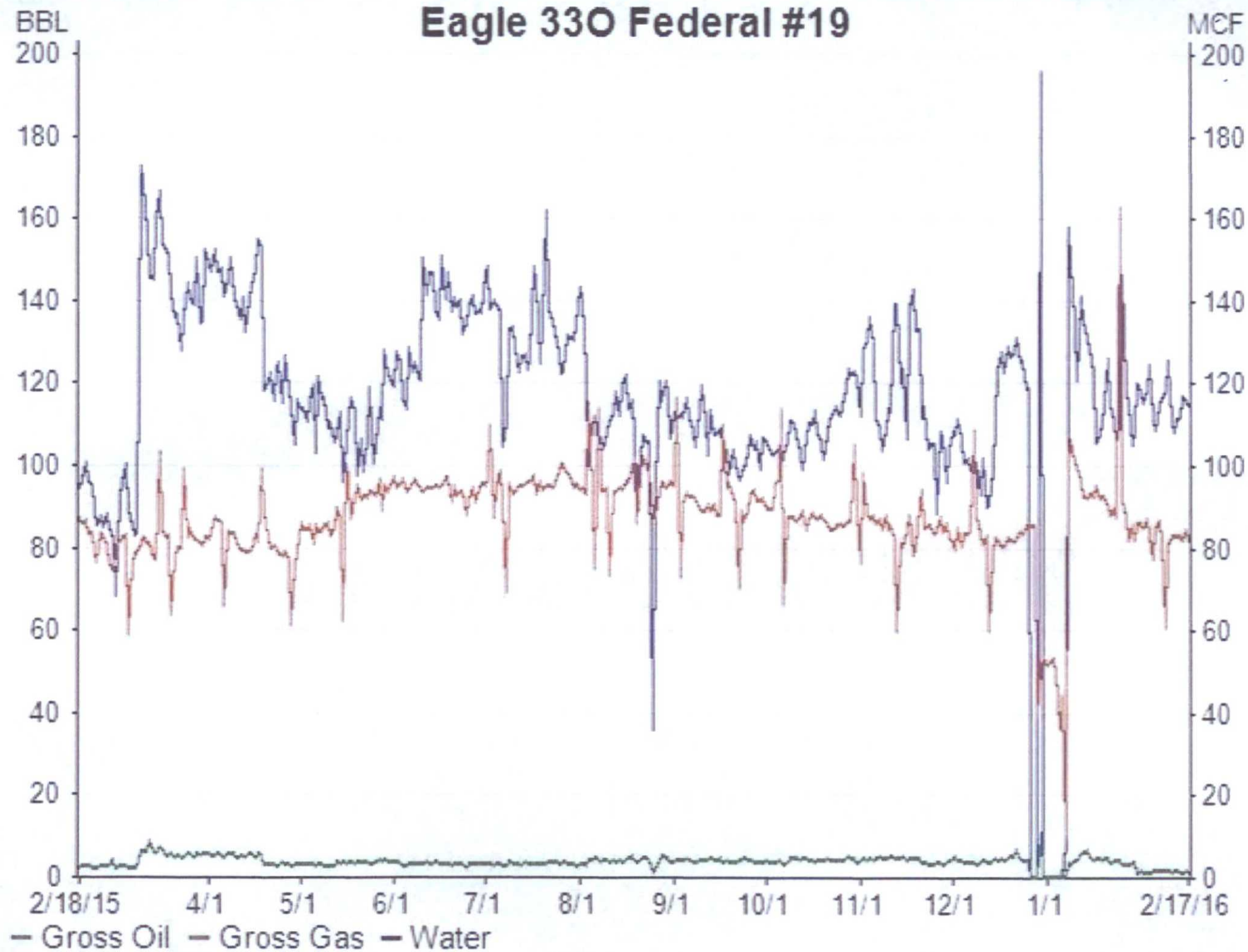
GEOLOGY

Zone	Top
Queen	799'
Grayburg	1,198'
Premier	1,398'
San Andres	1,434'
MSA	1,725'
LSA	2,331'
Glorieta	2,782'
Yeso	2,900'
Tubb	4,286'

SURVEYS

Degrees	Depth
1/4	385'
1/4	1,015'
3/4	1,491'
1-1/4	1,995'
1	2,524'
1-1/2	3,095'
1	4,038'
1/2	4,415'

Eagle 33O Federal #19



— Gross Oil — Gross Gas — Water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMNM025528

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
EAGLE 33 O FEDERAL 192. Name of Operator
LIME ROCK RESOURCES II-A,L.P. Contact: MIKE PIPPIN
E-Mail: mike@pippinllc.com9. API Well No.
30-015-394593a. Address
C/O MIKE PIPPIN 3104 N SULLIVAN
FARMINGTON, NM 874013b. Phone No. (include area code)
Ph: 505-327-457310. Field and Pool, or Exploratory
RED LAKE, Q-GB-SA 513004. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 33 T17S R27E SWSE 290FSL 2210FEL11. 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 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 checked="" 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 recompleate 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 recompleation 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 IS A REQUEST TO RECOMPLETE THIS YESO WELL TO THE SAN ANDRES.

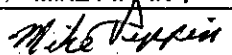
MIRUSU. TOH w/rods, pump, & tbg. Set a 5-1/2" CBP @ ~2720' & PT to ~3500 psi. (Existing Yeso perfs are at 2783'-4223'). Perf lower SA @ ~2260'-2575' w/~29 holes. Treat new perfs w/~1500 gal 15% HCL & frac w/~30,000# 100 mesh & ~324,450# 40/70 Ottawa sand in slick water. Set a 5-1/2" CBP @ ~2210' & PT to ~3500 psi. Perf middle SA @ ~1820'-2161' w/~34 holes. Treat new perfs w/~1500 gal 15% HCL & frac w/~30,000# 100 mesh & ~324,450# 40/70 Ottawa sand in slick water. Set a 5-1/2" CBP @ ~1600' & PT to ~3500 psi. Perf upper SA @ ~1400'-1513' w/~25 holes. Treat new perfs w/~1500 gal 15% HCL & frac w/~30,000# 100 mesh & ~119,700# 40/70 Ottawa sand in slick water. CO after frac & drill out CBPs @ ~1600' & ~2210', & CO to CBP @ ~2720'. Land 2-7/8" 6.5# J-55 production tbg @ ~2565'. Run pump & rods. Release workover rig. Complete as a single San Andres oil well. See the attached wellbore diagram & C-102 for the new pool. Following a test of the SA alone

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #331754 verified by the BLM Well Information System
For LIME ROCK RESOURCES II-A,L.P., sent to the Carlsbad**

Name (Printed/Typed) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature


(Electronic Submission)

Date 02/17/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE 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 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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #331754 that would not fit on the form

32. Additional remarks, continued

and the approval of both the State & BLM DHC applications, the CBP @ ~2720' will be removed and the well DHC.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1501 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-162
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 **CORRECTED POOL**

¹ API Number 30-015-39459	² Pool Code 51120	³ Pool Name Red Lake, Glorieta-Yeso
⁴ Property Code 308944	⁵ Property Name EAGLE 33 O FEDERAL	
⁶ OGRID No. 277558	⁷ Operator Name LIME ROCK RESOURCES II-A, L.P.	⁸ Well Number 19
		⁹ Elevation 3522' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
O	33	17-S	27-E		290	SOUTH	2210	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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="text-align: center; font-size: 2em;">33</div>			<p>¹⁷ OPERATOR CERTIFICATION 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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well on this location pursuant to a contract with an owner of such a mineral or working interest, or is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>Mike Pippin</i> Date: 5/30/13</p> <p>Mike Pippin Printed Name</p>	
			<p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was platted 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.</p> <p>2/14/11 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: Ronald J. Eidson</p>	
			<p>3239 Certificate Number</p>	
	<p>290'</p>		<p>2210'</p>	

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

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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

¹ API Number 30-015-39459	² Pool Code 51300	³ Pool Name Red Lake, Queen-Grayburg-San Andres
⁴ Property Code 308944	⁵ Property Name EAGLE 33 O FEDERAL	⁶ Well Number 19
⁷ OGRID No. 277558	⁸ Operator Name LIME ROCK RESOURCES II-A, L.P.	⁹ Elevation 3522' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	17-S	27-E		290	SOUTH	2210	EAST	EDDY

¹¹ 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

33	290'	2210'	¹⁷ OPERATOR CERTIFICATION 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. Signature: <u>Mike Pippin</u> Date: 2/17/16 Printed Name: Mike Pippin
			¹⁸ 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. Date of Survey: 2/14/11 Signature and Seal of Professional Surveyor: Ronald F. Eidson
			Certificate Number: 3239