

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
APR 06 2016
RECEIVED

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. EAGLE 33 O FEDERAL 19
2. Name of Operator LIME ROCK RESOURCES II A LP Contact: MIKE PIPPIN	9. API Well No. 30-015-39459-00-S1
3a. Address 1111 BAGBY STREET SUITE 4600 HOUSTON, TX 77002	10. Field and Pool, or Exploratory RED LAKE
3b. Phone No. (include area code) Ph: 505.327.4573	11. County or Parish, and State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T17S R27E SWSE Lot O 290FSL 2210FEL	

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 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.)

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 perms are at 2783'-4223'). Perf lower SA @ ~2260'-2575' w/~29 holes. Treat new perms 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 perms 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 perms 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.

Need Signed Operator Certification on CIDZ to OCC

Accepted for record
MAR 30 2016

APPROVED
MAR 30 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 LP, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 02/29/2016 (16PP0550SE)

Name (Printed/Typed) MIKE PIPPIN	Title PETROLEUM ENG (AGENT)
Signature (Electronic Submission)	Date 02/17/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 03/30/2016
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 **

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

VS

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

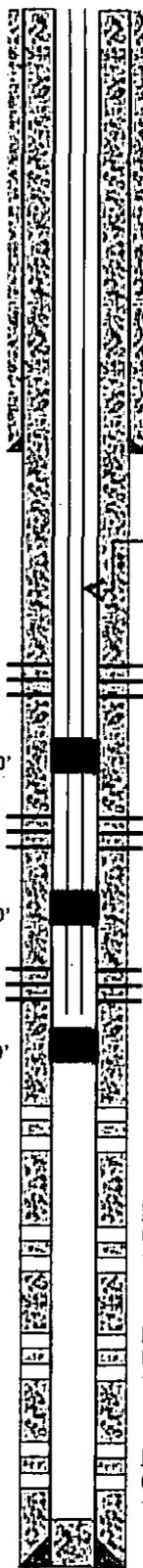
32. Additional remarks, continued

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



**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 jt 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: 113', 1500 g 15% HCL, 30,000 # 100 Mesh, 1400'-1513', 25 holes, 1 SPF
119,700 # 40/70, 4114 bbls water, 80 + BPM

CBP at 1600'

Stage #2 San Andres: 341', 1500 g 15% HCL, 30,000 # 100 Mesh, 1820'-2161', 34 holes, 1 SPF
324,450 # 40/70, 7614 bbls water, 80 + BPM

CBP at 2210'

Stage #1 San Andres: 315', 1500 g 15% HCL, 30,000 # 100 Mesh, 2260'-2575', 29 holes, 1 SPF
324,450 # 40/70, 7614 bbls water, 80 + BPM

CBP at 2720'

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'

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

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	
⁷ OGRID No. 277558	⁸ Operator Name LIME ROCK RESOURCES II-A, L.P.	⁶ Well Number 19
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.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

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

Conditions of Approval

Eagle 33 O Federal #19

Recomplete to San Andres

Lime Rock Resources II A LP

API 3001539459, T17S-R27E, Sec 33

March 30, 2016

1. Surface disturbance beyond the originally approved pad must have prior approval.
2. Closed loop system required.
3. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
4. Functional H₂S monitoring equipment shall be on location.
5. 2000 (2M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. Ram(s) for the work string(s) used is required equipment. Manual BOP closure system including a blind ram and pipe ram(s) designed to close on all (hand wheels) equipment shall be installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) shall be employed when needed for reasonable well control requirements.
6. **After setting the isolation plug above the Yeso and before perforating, perform a BLM PET witnessed (charted) casing integrity test of 700psig. Verify all annular casing vent valves are open to the surface during this pressure test. Pressure leakoff may require correction for approval. Include a copy of the chart in the subsequent sundry for this workover.**
7. **Provide BLM with an electronic copy (Adobe Acrobat Document) of any existing cement bond log record. The CBL may be attached to a pswartz@blm.gov email. The CFO BLM on call engineer may be reached at 575-706-2779.**

EGF 033016