

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 20 2016
NMOC
ARTESIA
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		5. Lease Serial No. NMLC026874B
2. Name of Operator LIME ROCK RESOURCES II A LP		6. If Indian, Allottee or Tribe Name
3a. Address 1111 BAGBY STREET SUITE 4600 HOUSTON, TX 77002		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505.327.4573		8. Well Name and No. EAGLE 33N FEDERAL 26
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T17S R27E SESW 330FSL 1750FWL		9. API Well No. 30-015-41214-00-S1
		10. Field and Pool, or Exploratory RED LAKE
		11. 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 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, & tbq. Set a 5-1/2" CBP @ ~2270' & PT to ~3500 psi. (Existing Yeso perfs are at 2796'-4130'). Perf lower SA @ ~2278'-2626' w/~30 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 @ ~2220' & PT to ~3500 psi. Perf middle SA @ ~1800'-2152' w/~37 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 @ ~1700' & PT to ~3500 psi. Perf upper SA @ ~1430'-1541' 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 @ 1700' & 2220'. & CO to CBP @ 2770'. Land 2-78-165#-451' production tbq @ ~2665'. 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.

yeso top @ 2881'
inter section top @ 2790'

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.		Electronic Submission #330149 verified by the BLM Well Information System For LIME ROCK RESOURCES II A LP, sent to the Carlsbad Committed to MSS for processing by PRISCILLA PEREZ on 01/29/2016 (16PP0339SE)	
Name (Printed/Typed)	MIKE PIPPIN	Title	PETROLEUM ENG (AGENT)
Signature	(Electronic)	Date	01/29/2016
		APPROVED	
FOR FEDERAL OR STATE OFFICE USE			
		Title	
		Office	BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE


Approved
Condition
The NMOC Gas Capture Plan notice has been posted on the web site under Announcements. A copy of the GCP form is included with the notice and is also in the forms section under Unnumbered forms. Please submit accordingly in a timely manner.
Provide signed C-102

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #330149 that would not fit on the form

32. Additional remarks, continued

and the approval of both the State & BLM DHC applications, the CBP @ 2770' will be removed and the well DHC.

 LIME ROCK RESOURCES	County EDDY	Well Name Eagle 33N Federal #26	Field: East Artesia Red Lake; Glorieta Yeso	Well Sketch: AFE R16002 <small>Lime Rock Resources #A.L.P.</small>
	Surface Lat: 32.7833126°N Surface Long: 104.2829016°W	BH Lat: 32.7833126°N BH Long: 104.2829016°W	Survey: SEC33-T17S-R27E (SW of N) 330' FSL & 1,750' FWL	API # 30-015-41214 OGRID # 277558

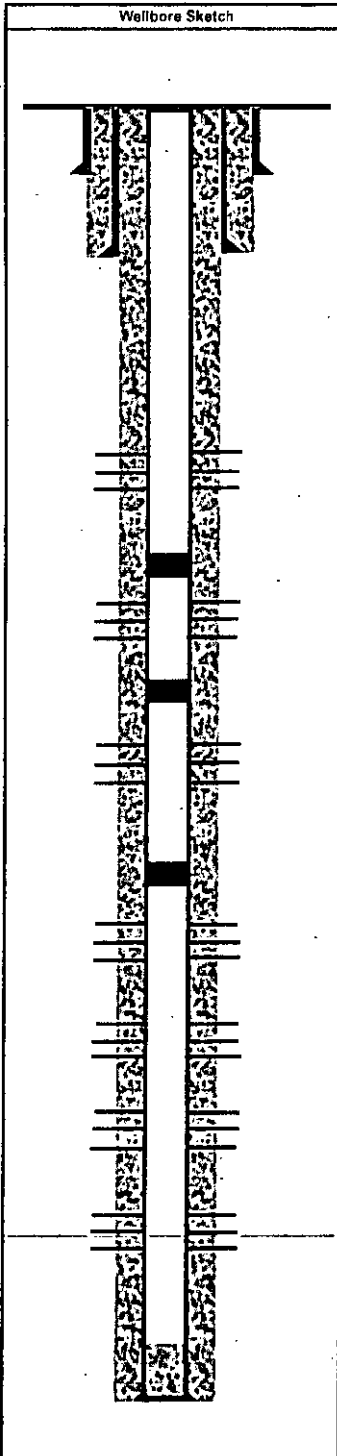
Directional Data:	
KOP	Vertical Well
Max Dev:	
Dev sev:	
Dev @ Perfs	
Ret to Vert:	

Tubular Data							
Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC
Conductor	20"	N/A	B	Weld	80'	80'	SURF
Surface	8 5/8"	24#	J-55	STC	437'	437'	SURF
Intermediate							
Production	5 1/2"	17#	J-55	LTC	4,604'	4,604'	SURF
Liner							

CEMENT DATA							
	L/sks	Yld	Wt	T/sks	Yld	Wt	XS
Surface	280	1.35	14.8	NA	NA	NA	43 Sx
Intermediate							
Liner							
Production	300	1.9	12.8	700	1.33	14.8	117 Sx

Wellhead Data	
Type:	
WP:	
Tree Cap	Flange:
	Thread:
Tbg Hanger:	
BTM Flange:	
BPV Profile:	NA
Elevations:	GR - RKB = 11.8'
RKB:	3,559.8'
GL:	3,548.0'

Drilling / Completion Fluid	
Drilling Fluid:	10.2 PPG Brine / Salt Gel
Drilling Fluid:	
Completion Fluid:	2% KCL
Completion Fluid:	
Packer Fluid:	NA



Completion Information						
DEPTHS (MD)	FORMATION TOPS / WELL INFO	PERFORATIONS		# of HOLES		
		from	to			
0						
80'						
292'	7 Rivers Formation					
437'	12-1/4" Hole					
2 7/8" 6.5# J55 tbg with TAC at 1330', SN at 2630', 4' slotted sub, 1 jt MA w BP at 2665' (all rods are WFT KD originally installed 5/16/13) 101- 7/8" KD, 4- 1.5" kbars, 2.5"x2"x24" RHBC-HVR pump 640-365-168 Pumping Unit w 50 HP motor; 168" SL at 9 SPM						
1,423'	Premier Formation					
	Stage #3 San Andres	1,430'		1,541'	25	
1,452'	San Andres					
CBP at 1700'						
	Stage #2 San Andres	1,800'		2,151'	37	
CBP at 2220'						
	Stage #1 San Andres	2,278'		2,626'	30	
CBP at 2770'						
2,790'	Glorieta Formation					
	Stage 4 L. Yeso Frac	2,796'		3,009'	25	
2,882'	Yeso					
	5/11/2013					
	Stage 3 L. Yeso Frac	3,045'		3,299'	39	
	5/11/2013					
	Stage 2 L. Yeso Frac	3,408'		3,739'	33	
	5/11/2013					
	Stage 1 L. Yeso Frac	3,800'		4,130'	40	
4,264'	Tubb Formation		5/4/2013			
4,585'	PBTD					
4,604'	PROD CSG					
Comments: NM OCD CLP 0213133				Plug back Depth:	4,572'	4,572' MD
				Total Well Depth:	4,604'	4,604' MD
				Prepared By:	Date:	
				Eric McClusky	28-Jan-16	

DETAILS	
20" Conductor Pipe	
8-5/8" Surf Csg. Circ 43 SX Cmt to Surf	
111', 1500 g 15% HCL, 30k# 100 Mesh	
119.7k# 40/70, 4114 bbls water, 80+ BPM	
351', 1500 g 15% HCL, 30k# 100 Mesh	
324.45k# 40/70, 7614 bbls water, 80+ BPM	
348', 1500 g 15% HCL, 30k# 100 Mesh	
324.45k# 40/70, 7614 bbls water, 80+ BPM	
213', 1318 g 7.5% HCL, 71kg 20# gel, 80k#	
16/30 Brady, 28k# 16/30 Resin	
254', 2000 g 7.5% HCL, 61kg 20# gel, 105k#	
16/30 Brady, 18k# 16/30 Resin	
330', 2032 g 7.5% HCL, 65.5 kg 20# gel, 76k#	
16/30 Brady, 12k# 16/30 Resin	
330', 2000 g 7.5% HCL, 52k g 20# gel, 57k#	
16/30 Brady, 11.5k# 16/30 Resin	
Float Collar	
5-1/2" Prod Csg. Circ 117 SX Cmt to Surf	

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 30-015-41214	² Pool Code 51300	³ Pool Name Red Lake, Queen-Grayburg-San Andres
⁴ Property Code 308943	⁵ Property Name EAGLE 33 N FEDERAL	⁶ Well Number 26
⁷ OGRID No. 277558	⁸ Operator Name LIME ROCK RESOURCES II-A, L.P.	⁹ Elevation 3548' 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
N	33	17-S	27-E		330	SOUTH	1750	WEST	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.

<div style="text-align: center; font-size: 2em;">33</div>	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>	
	<div style="text-align: right;">1/29/16</div> <div style="display: flex; justify-content: space-between;"> <div>Signature</div> <div>Date</div> </div> <div style="margin-top: 10px;"> <u>Mike Pippin</u> Printed Name </div>	
	¹⁸ SURVEYOR CERTIFICATION	
<div style="text-align: center; font-size: 2em;">33</div>	<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>	
	5/8/12 Date of Survey	
	Signature and Seal of Professional Surveyor: <u>Filmon F Jaramillo</u>	
	12797 Certificate Number	

**Eagle 33N Federal 26
30-015-41214
Lime Rock Resources II A LP
April 14, 2016
Conditions of Approval**

Work to be completed by July 14, 2016.

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

- 1. Must conduct a casing integrity test before any perforating or fracturing can be done. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Contact the BLM if test fails.**
- 2. Operator shall set the deepest CBP at 2,746' (50' above topmost perf).**
- 3. No DHC shall be done without approval from both the BLM and the State.**
- 4. Operator is approved to drill out the CBPs at 1700' and 2220' and clean out the well to the deepest CBP at 2746'. Put well on pump.**
- 5. Operator shall produce solely from the San Andres formation in order to establish a typical decline curve obtain reservoir data and submit results to the BLM for future DHC review.**

NOTE: A new sundry for a DHC will be needed.

- 6. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 7. Surface disturbance beyond the originally approved pad must have prior approval.**
- 8. Closed loop system required.**
- 9. 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.**
- 10. Operator to have H2S monitoring equipment on location.**

11. A minimum of a **2000 (2M)** BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
12. **Subsequent sundry required detailing work done and completion report for the new formation. Operator to include well bore schematic of current well condition when work is complete.**

JAM 041416
