

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM0557370 ✓

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

EAGLE 34 J FEDERAL 63 ✓

2. Name of Operator

✓ LIME ROCK RESOURCES II A LP

Contact: MIKE PIPPIN

E-Mail: MIKE@PIPPINLLC.COM

9. API Well No.

30-015-41446-00-S1 ✓

3a. Address

1111 BAGBY STREET SUITE 4600
HOUSTON, TX 77002

3b. Phone No. (include area code)

Ph: 505-327-4573

10. Field and Pool or Exploratory Area

RED LAKE
RED LAKE-GLORIETA-YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 34 T17S R27E NWSE 2280FSL 2445FEL
32.789545 N Lat, 104.265452 W Lon

11. County or Parish, State

EDDY COUNTY, NM

12. CHECK THE 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"/> Hydraulic Fracturing	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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.

NM OIL CONSERVATION
ARTESIA DISTRICT

MIRUSU. TOH w/rods, pump, & tbg. Set a 5-1/2" CBP @ ~3000' & PT CBP & 5-1/2" csg to ~3500 psi. (Existing Yeso perms are at 3040'-4280'). Perf lower San Andres @ ~2480'-2861' w/about ~36 holes. Treat new perms w/about ~1500 gal 15% HCL & frac w/30,000# 100 mesh & 368,340# 40/70 sand in slick water.

MAY 30 2017

CO after frac to CBP @ 3000'. Land 2-7/8" 6.5# L-80 production tbg @ ~2740'. 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 and the approval of both the State & BLM DHC applications, the CBP @ 3000' will be removed and the well DHC.

RECEIVED
**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Accepted for record - NMOC

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #369386 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 03/10/2017 (17PP0388SE)

Name (Printed/Typed) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 03/10/2017

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

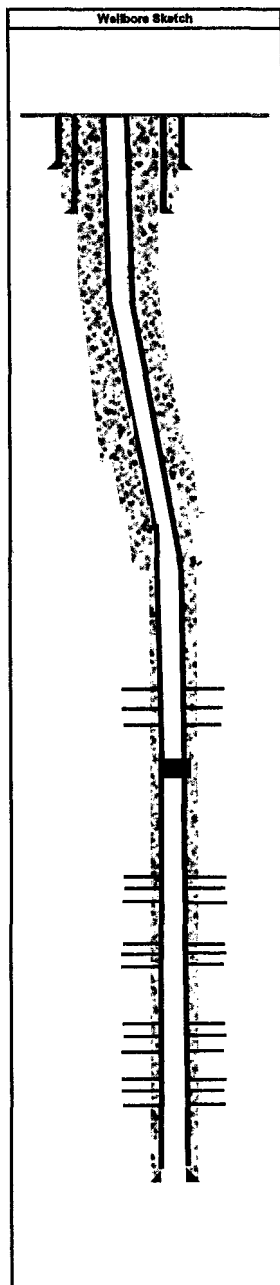
**BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE**

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.

(Instructions on page 2)

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

	County	EDDY	Well Name	Eagle 34J Federal #63	Field	Red Lake: Glorieta-Yeso NE	AFE # R17005																																																
	Surface Lat	32 7895447"N	BH Lat	32 7896275"N	Survey	Sec 34, T17S-R27E (NW of J)	San Andres Recompletion																																																
	Surface Long	104 2654517" W	BH Long	104 2650138" W	Surface	2280' FSL & 2445' FEL	OGRID # 277558																																																
Directional Data: KOP: 2295' MD/TVD Max Dev.: 19.4" at 2680' MD, 2671' TVD Deg sev: 3.0" - 5" Dev @ Perfs: 0.5" Rel to Vert: 3161' MD, 3143' TVD																																																							
Wellhead Data: Type: _____ W/P: _____ Tree Cap: _____ Thread: _____ Tbg Hanger: _____ 8TM Flange: _____ BPV Profile: NA Elevations: GR - RKB = 11.8' RKB: 3,587.8' GL: 3,576.0'																																																							
Drilling / Completion Fluid Drilling Fluid: 10 PPG Brine / Salt Gel Drilling Fluid Completion Fluid: 2% KCL Completion Fluid Packer Fluid: NA																																																							
Tubular Data: <table border="1"> <thead> <tr> <th>Tubulars</th> <th>Size</th> <th>Weight</th> <th>Grade</th> <th>Thread</th> <th>TVD</th> <th>MD</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>Conductor</td> <td>20"</td> <td>91.5#</td> <td>B</td> <td>Weld</td> <td>60'</td> <td>60'</td> <td>SURF</td> </tr> <tr> <td>Surface</td> <td>8 5/8"</td> <td>24#</td> <td>J-55</td> <td>STC</td> <td>352'</td> <td>352'</td> <td>SURF</td> </tr> <tr> <td>Intermediate</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Production</td> <td>5 1/2"</td> <td>17#</td> <td>J-55</td> <td>LTC</td> <td>4,740'</td> <td>4,758'</td> <td>SURF</td> </tr> <tr> <td>Liner</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC	Conductor	20"	91.5#	B	Weld	60'	60'	SURF	Surface	8 5/8"	24#	J-55	STC	352'	352'	SURF	Intermediate								Production	5 1/2"	17#	J-55	LTC	4,740'	4,758'	SURF	Liner							
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Completion Information									
DEPTHS (TVD)		WELL INFO	PERFORATIONS			# of HOLES	DETAILS		
			from	to					
60'		26" Hole					20" Conductor Pipe		
352'		12 1/4" hole					8-5/8" Surface Csg Cmt'd to surf - circ 71 aks		
847'		Queen Sand							
1,308'		Grayburg Formation							
1,566'		San Andres Formation							
2,295'		KOP 7 7/8" hole					3.0' - 5'/100' Build rate		
2680'		19.4' Tangent at 2680 MD, 2671' TVD							
2776'		End of Tangent - Drop					Drop at 4 deg/100'		
2 7/8" 6.5# L80 tbg w TAC at 2330', SN at 2430', desander, 10 jt MA w BP									
81- 7/8" KD rods, 12 - 7/8" KD guided rods, 4-1.5" kbars w guided stabilizer bars inbetween each kbar									
2.5" x 2"x 20' RHBC- HVR pump									
640-365-168 w 50 HP motor set in 168" Stroke Length at 8 spm									
	Lower San Andres	2,480'		2,861'	36	381', 1500 g 15% HCL, 8614 bbls water,			
						368,340 # 40/70 Ottawa, 30,000 # 100 Mesh			
CBP at 3000'									
2,955'	Glorieta Top								
3,063'	Yeso Formation								
3161'	Vertical								
	Stage 4. Yeso Frac	3,040'		3,316'	30	26,812# 100 mesh & 276,899# 40/70			
	Frac'd 9/8/14		1500 g 15% HCL			Wisconsin in slick water			
	Stage 3. Yeso Frac	3,368'		3,645'	27	29,661# 100 mesh & 244,814# 40/70			
	Frac'd 9/8/14		1500 g 15% HCL			Wisconsin in slick water			
	Stage 2. Yeso Frac	3,700'		4,009'	33	29,849# 100 mesh & 242,784# 40/70			
	Frac'd 2/17/14		1500 g 15% HCL			Wisconsin in slick water			
	Stage 1 L. Yeso Frac	4,068'		4,280'	32	31,753# 100 mesh & 321,587# 40/70			
	Frac'd 2/17/14		1513 g 15% HCL			Wisconsin in slick water			
4,507'	TUBB Formation								
4758' MD	PROD CSG					5-1/2" Prod Casing Cmt'd to Surf - circ 60 aks			
Comments:						Plug back Depth:	4691' TVD	4709' MD	
640-365-168 pumping unit with 50 HP installed 3/13/15						Total Well Depth:	4750' TVD	4768' MD	
						Prepared By:	Date:		
						Eric McClusky	8-Mar-17		

Conditions of Approval
Lime Rock Resources II A LP
Eagle - 63, API 3001541446
T17S-R27E, Sec 34, 2280FSL & 2445FEL
May 24, 2017

- 1. Operator is required to have the BLM approved NOI procedure with applicable conditions of approval on location for this workover operation.**
2. Before casing or a liner added, replaced, or repaired prior BLM approval of the design is required. Use notice of intent Form 3160-5.
3. Subject to like approval by the New Mexico Oil Conservation Division.
4. Surface disturbance beyond the existing pad must have prior approval.
5. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required, no excavated pits.
6. Functional H₂S monitoring equipment shall be on location.
7. Blow Out Prevention Equipment 2000 (2M) 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 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.) employed when needed for reasonable well control requirements.
8. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created by 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. Portojohns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
- 9. Verify a cmt plug back total depth above the Tubb formation top of 4455.**
- 10. Provide BLM with an electronic copy (Adobe Acrobat Document) record of a cement bond log from 3000 to TOC taken at 0psig. The well is in a High Cave Karst area, verification of cement bond is required. Attach the CBL to a pswartz@blm.gov email.**
11. Conduct a Casing Integrity Test above the CBP prior to the San Andres perforating.
12. The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with a minimum 200 psig differential between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need reduced). **Verify all annular casing vents plumbed to surface and open during this pressure test.**
13. Document the pressure test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 35 to 75 per cent of its full range. Greater than 10% pressure leakoff

viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.

14. The subsequent report is to describe ball action and stimulation pressures. Report maximum/minimum injection rate (BPM) and max/min stimulation injection pressures (psig).
15. File intermediate **subsequent sundry** Form 3160-5 within 30 days of any interrupted workover activity.
16. Submit within 30 days of completion the full workover subsequent report (dated daily) via BLM's Well Information System; <https://www.blm.gov/wispermits/wis/SP> with the Casing Integrity Test chart document.
17. Submit the BLM Form 3160-4 **Recompletion Report** within 30 days of the date all BLM approved procedures are complete.
18. BLM compliance requires sundry notice of a wellbore inactive/idle over 90 days.