

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION  
ARTESIA DISTRICT  
APR 20 2016  
NM OCD  
Artesia  
RECEIVEDFORM 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 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. NNNM0558679
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. MATTHEWS 25 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T17S R27E SWNW 2130FNL 330FWL		9. API Well No. 30-015-40804-00-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 @ ~3150' & PT. to ~3500 psi. (Existing Yeso perfs are at 3208'-4520'). Perf lower SA @ ~2638'-2971' 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 @ ~2550' & PT to ~3500 psi. Perf middle SA @ ~2110'-2447' w/~35 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 @ ~2040' & PT to ~3500 psi. Perf upper SA @ ~1720'-1931' w/~31 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 @ ~2040' & ~2550', & CO to CBP @ ~3150'. Land 2-7/8" 6.5# J-55 production tbq @ ~3015'. 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

Gloria 3097  
Yeso 3210SEE ATTACHED FOR  
RECOMMENDATIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #331435 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 02/17/2016 (16PP05015E)	
Name (Printed/Typed) MIKE PIPPIN	Title PETROLEUM ENG (AGENT)
Signature (Electronic)	Date 02/12/2016
BUREAU OF LAND MANAGEMENT	
APR 14 2016	
BUREAU OF LAND MANAGEMENT	

Approved by \_\_\_\_\_  
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 \*\*

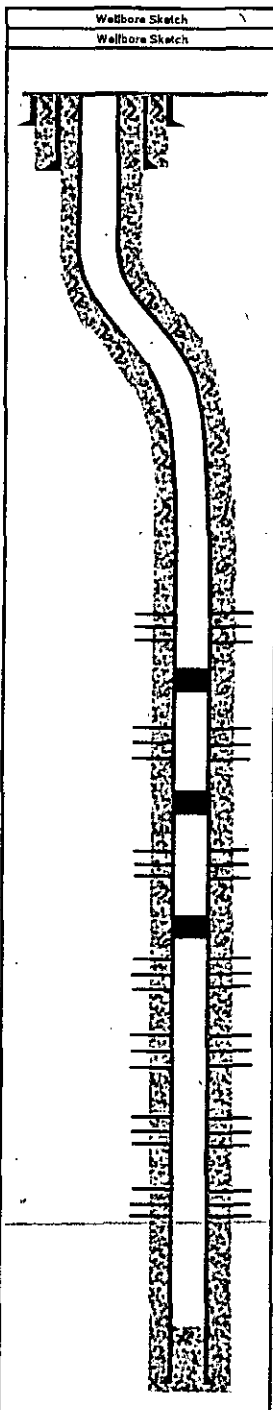
**Additional data for EC transaction #331435 that would not fit on the form**

**32. Additional remarks, continued**

and the approval of both the State & BLM DHC applications, the CBP @ ~3150' will be removed and the well DHC.

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	County	EDDY	Well Name	Matthews ZS Federal #1	Field	Redlake	Well Sketch	AFE R16003		
	Surface Lat.	32 8063715'N	BH Lat.	32.8058790'N	Survey	S' C 75-1175-R27E Unit E	API #	38-015-40804		
	Surface Long.	104 2391758'W	BH Long.	104 2391759'W		2130' FNL & 330' FWL	OGRD #	277558		
Directional Data:		Tubular Data								
KOP	483	MD/TVD								
Max Dev.	11.3	830' MD 428' TVD	Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC
Diag. serv.	3.09	671' MD 428' TVD	Conductor	14"	55.5#	B	Weld	47'	40'	SURF
Dev. @ Perfs	0.4	471' MD 428' TVD	Surface	8.58"	24#	J-55	STC	385'	395'	SURF
Ret to Vert.	1781'	1781' MD 1788' TVD	Intermediate							
			Production	5 1/2"	17#	J-55	LTC	4,711'	4,699'	SURF
			Line							
Drilling / Completion Fluid			CEMENT DATA							
Drilling Fluid: 10.2 PPG Brine / Salt Gel			Surface	300	1.35	14.0	NA	NA	NA	142' sx
Drilling Fluid: 2% KCL			Intermediate							
Completion Fluid: NA			Production	300	1.9	14.8	600	1.33	14.8	283' sx
			Line							
			Wellhead Data							
			Type:							
			WP:							
			Flange:							
			Tree Cap							
			Thread:							
			Thy Hanger							
			BTM Flange:							
			BPV Profile:	NA						
			Elevations:	GR - RKB = 13.2'						
			RKB	3570.4'						
			GL:	3583.6'						



Completion Information					
DEPTHS (MDV) (TVD)	WELL INFO	PERFORATIONS		# of	DETAILS
		from	to	HOLES	
0					
40'	20" Hole				14" Conductor Pipe
395'	12-1/4" Hole				3-5/8" Surf Csg Circ 142 sx Cmt to surf
442' / 442'	7 Rivers Formation				
483'	7-7/8" hole KOP				Kick off to 2"/100'
798' / 798'	End Build				End Build - Start 10" Tangent
968' / 961'	Queen Formation				
1083' / 1076'	End Tangent - Start Drop				Drop - Start @ 2"/100'
1406' / 1396'	Grayburg Formation				
1718' / 1706'	Premier Sand				
1763' / 1751'	San Andres				
1781' / 1768'	Return to Vertical				Return to vertical
2050' / 2038'	Middle San Andres				
2646' / 2634'	Lower San Andres				
2 7/8" 6.5# J55 tbg with TAC at 1620', SN at 2980', 4' slotted sub, 1 ft MA w BP at 3015'					
20- 7/8", 48- 7/8" guided, 47- 7/8", 4- 1.5" kbars, 2.5"x2"x24' RHBC-HVR pump					
Lufkin 456-305-168 Pumping Unit w 50 HP motor; 147' SL at 9 SPM					
Stage #3 San Andres	1,720'		1,931'	31	211', 1500 g 15% HCL, 30# 100 Mesh
					119.7# 40/70, 4114 bbls water, 80+ BPM
CBP at 2040'					
Stage #2 San Andres	2,110'		2,447'	35	337', 1500 g 15% HCL, 30# 100 Mesh
					324.45# 40/70, 7614 bbls water, 80+ BPM
CBP at 2550'					
Stage #1 San Andres	2,638'		2,971'	34	333', 1500 g 15% HCL, 30# 100 Mesh
					324.45# 40/70, 7614 bbls water, 80+ BPM
3098' / 3085'	Glorieta				
CBP at 3150'					
3210' / 3198'	Yeso				
Stage 4 L. Yeso Frac	3,208		3,421'	40	213', 1440 g 7.5% HCL, 45.095 g 25# gel
	12/3/2012				52.462# 16/30 Brady & 23.520# 16/30 Resin
Stage 3 L. Yeso Frac	3,466		3,781'	47	315', 2000 g 7.5% HCL, 55.548 g 25# gel
	12/3/2012				81.053# 16/30 Brady & 14.233# 16/30 Resin
Stage 2 L. Yeso Frac	3,838		4,124'	48	286', 2000 g 7.5% HCL, 50.114 g 25# gel
	12/3/2012				89.149# 16/30 Brady & 15.877# 16/30 Resin
Stage 1 L. Yeso Frac	4,184		4,520'	52	336', 2000 g 7.5% HCL, 129.133 g 20# gel
	11/27/12 & 12/3/12				122.833# 16/30 Brady & 18.011# 16/30 Resin
4664' / 4652'	PBTD				5-1/2" Float Collar
4711' / 4699'	PROD CSG				5-1/2" Prod Csg, Circ 283 SX Cmt to Surf
Comments: NM OGD CLP 0213580				Plug back Depth:	4664' TVD 4652' MD
				Total Well Depth:	4711' TVD 4699' MD
				Prepared By:	Date:
				Eric McClusky	3-Feb-16

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

**AS DRILLED**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number 30-015-40804		2 Pool Code 51300		3 Pool Name Red Lake, Queen-Grayburg-San Andres	
4 Property Code 39512		5 Property Name <b>MATTHEWS 25 FEDERAL</b>			6 Well Number <b>1</b>
7 OGRID No. 277558		8 Operator Name <b>LIME ROCK RESOURCES II-A, L.P.</b>			9 Elevation 3570' 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
E	25	17-S	27-E		2130	NORTH	330	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
E	25	17-S	27-E		2288	NORTH	345	WEST	EDDY

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.

	<b>17 OPERATOR CERTIFICATION</b> 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 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. Date: 2/12/16 Signature: _____ Date: _____ Mike Pippin Printed Name			
	<b>18 SURVEYOR CERTIFICATION</b> 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: 10/1/11 Signature and Seal of Professional Surveyor: Filmon F. Jaramillo Certificate Number: 12797			

**Matthews 25 Federal 1**  
**30-015-40804**  
**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 3150' (50'-100' above top most 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 2040' and 2550' and clean out the well to the deepest CBP at 3150'. 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.**
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- 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**

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