

NM OIL CONSERVATION

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

ARTESIA DISTRICT

Form C-104
Revised Feb. 26, 2007

MAY 24 2017

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

RECEIVED

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Lime Rock Resources II-A, L.P. c/o Mike Pippin LLC, 3104 N. Sullivan Farmington, NM 87401		² OGRID Number 277558
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-43755	⁵ Pool Name Red Lake, Glorieta-Yeso	⁶ Pool Code 51120
⁷ Property Code 308977	⁸ Property Name MANN 3 FEDERAL	⁹ Well Number 5

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	3	18-S	27-E		360	SOUTH	850	WEST	EDDY

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	3	18-S	27-E		383	SOUTH	360	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date READY	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Transportation, LLC 1602 W. Main, Artesia, NM 88210	O
246624	DCP Midstream, LP 370 17 th St, Suite 2775, Denver, CO 80202	G

IV. Well Completion Data

²¹ Spud Date 4/7/17	²² Ready Date 4/29/17	²³ TD 5252'	²⁴ PBDT 5160'	²⁵ Perforations 3200'-4910'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
11"	8-5/8" 24#	437'	325 sx		
7-7/8"	5-1/2" 17#	5229'	1050 sx		
	2-7/8" tubing	3547'			

V. Well Test Data

³¹ Date New Oil 5/4/17	³² Gas Delivery Date 5/4/17	³³ Test Date 5/19/17	³⁴ Test Length 24 Hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil (bbls) 89	³⁹ Water (bbls) 806	Gas (MCF) 100		⁴¹ Test Method Pumping

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Mike Pippin*
Printed name: Mike Pippin
Title: Petroleum Engineer - Agent
E-mail Address: mike@pippinllc.com
Date: 5/22/17
Phone: 505-327-4573

OIL CONSERVATION DIVISION
Approved by: *Raymond W. Sodang*
Title: *Geologist.*
Approval Date: *5-26-17*

Pending BLM approvals will subsequently be reviewed and scanned

NM OIL CONSERVATION

UNITED STATES ARTESIA DISTRICT
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MAY 25 2017

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.

RECEIVED

5. Lease Serial No.
NMLC061783B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MANN 3 FEDERAL 5

9. API Well No.
30-015-43755

10. Field and Pool or Exploratory Area
RED LAKE, GL-YESO 51120

11. County or Parish, State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
LIME ROCK RESOURCES II-A, L.P. Contact: MIKE PIPPIN
E-Mail: MIKE@PIPPINLLC.COM

3a. Address
C/O MIKE PIPPIN 3104 N. SULLIVAN
FARMINGTON, NM 87401

3b. Phone No. (include area code)
Ph: 505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 3 T18S R27E SWSW 360FSL 850FWL

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Well Spud
	<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 recomple 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 recomple 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 THE SPUD & CASING REPORT FOR A NEW OIL WELL:

Spudded well on 4/7/17. Drilled 11" hole to 450'. Set 8-5/8" 24# J-55 csg @ 437'. Crmted w/325 sx (436 cf) cl "C" cmt w/2% Cacl2, & 0.125#/sx cello flakes. Circ. 125 sx cmt to surface. On 4/8/17, pressure tested 8-5/8" csg to 1500 psi for 30 min-OK.

Drilled 7-7/8" hole to TD5252' on 4/14/17. Ran open hole logs. On 4/15/17, set 5-1/2" 17# J-55 production csg @ 5229'. Crmted lead w/300 sx (588 cf) 35/65 poz cl "C" w/6% gel/PF20, 5% salt/PF44, 0.2% fluid loss/PF606, 0.125#/sx cello flake/PF29, 0.4#/sx antifoamer/PF45, 0.1% retarder/PF13 & 3#/sx kolseal/PF42. Tailed w/750 sx (998 cf) cl "C" cmt w/0.2% fluid loss/PF606, 0.2% dispersant/PF65, 0.1% retarder/PF13, & 0.125#/sx cellophane/PF29. Circ. 214 sx cmt to pit. Released drilling rig on 4/15/17. Plan to pressure test 5-1/2" csg during completion operations.

Pending BLM approvals will subsequently be reviewed and scanned

RPB

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

Electronic Submission #373819 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 04/25/2017

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 _____

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)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

MAY 25 2017

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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. MANN 3 FEDERAL 5
2. Name of Operator LIME ROCK RESOURCES II-A, L.P. Contact: MIKE PIPPIN E-Mail: MIKE@PIPPINLLC.COM		9. API Well No. 30-015-43755
3a. Address C/O MIKE PIPPIN 3104 N. SULLIVAN FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 505-327-4573	10. Field and Pool or Exploratory Area RED LAKE, GL-YESO 51120
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T18S R27E SWSW 360FSL 850FWL		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 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 checked="" 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Well Spud
	<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 recomple 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 recomple 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 THE INITIAL COMPLETION OF A NEW YESO OIL WELL.

On 4/19/17, PT 5-1/2" csg to 4000 psi for 30 min-OK. On 4/21/17, perfed Yeso/Tubb @ 4548'-4910' w/37-0.40" holes. On 4/24/17, treated new perms w/1500 gal 15% HCL acid & fraced w/30,131# 100 mesh & 337,057# 30/50 Ottawa sand in slick water.
Set 5-1/2" CBP @ 4504' & PT-OK. Perfed Yeso @ 4250'-4464' w/28-0.40" holes. Treated new Yeso perms w/1500 gal 15% HCL & fraced w/30,774# 100 mesh & 189,824# 30/50 Ottawa sand in slick water.
Set 5-1/2" CBP @ 4215' & PT-OK. Perfed Yeso @ 3922'-4181' w/28-0.40" holes. Treated new Yeso perms w/1500 gal 15% HCL & fraced w/29,818# 100 mesh & 221,828# 30/50 Ottawa sand in slick water.
Set 5-1/2" CBP @ 3880' & PT-OK. Perfed Yeso @ 3550'-3835' w/30-0.40" holes. Treated new Yeso perms w/1500 gal 15% HCL & fraced w/29,899# 100 mesh & 260,032# 30/50 Ottawa sand in slick water.
Set 5-1/2" CBP @ 3500' & PT-OK. Perfed Yeso @ 3200'-3461' w/28-0.40" holes. Treated new Yeso perms

Pending BLM approvals will subsequently be reviewed and scanned
RWF

14. I hereby certify that the foregoing is true and correct. Electronic Submission #374837 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 05/03/2017

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 _____

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)

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

Additional data for EC transaction #374837 that would not fit on the form

32. Additional remarks, continued

w/1500 gal 15% HCL & fraced w/30,189# 100 mesh & 239,131# 30/50 Ottawa sand in slick water.
On 4/26/17, MIRUSU. CO after frac, drilled CBPs @ 3500', 3880', 4215', & 4504', & CO to PBDT @
5160'. On 4/28/17, landed ESP on 2-7/8" 6.5# L-80 tbg @ 3547'. Released completion rig on 4/29/17.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC061783B

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator LIME ROCK RESOURCES II-A,L.P. E-Mail: mike@pippinllc.com			8. Lease Name and Well No. MANN 3 FEDERAL 5		
3. Address C/O MIKE PIPPIN 3104 N SULLIVAN FARMINGTON, NM 87401		3a. Phone No. (include area code) Ph: 505-327-4573	9. API Well No. 30-015-43755		
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface SWSW 360FSL 850FWL At top prod interval reported below SWSW 378FSL 370FWL At total depth SWSW 383FSL 360FWL			10. Field and Pool, or Exploratory RED LAKE, GL-YO 51120 11. Sec., T., R., M., or Block and Survey or Area Sec 3 T18S R27E Mer 12. County or Parish EDDY COUNTY 13. State NM		
14. Date Spudded 04/07/2017	15. Date T.D. Reached 04/14/2017	16. Date RECEIVED <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 04/29/2017	17. Elevations (DF, KB, RT, GL)* 3541 GL		
18. Total Depth: MD 5252 TVD 5200	19. Plug Back T.D.: MD 5160 TVD 5141	20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) INDUCTION & NEUTRON/DENSITY			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11.000	8.625 J-55	24.0	0	437		325	78	0	0
7.875	5.500 J-55	17.0	0	5229		1050	283	0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	3547							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, GL-YESO 51120	3104		3200 TO 3461	0.400	28	OPEN
B)			3550 TO 3835	0.400	30	OPEN
C)			3922 TO 4181	0.400	28	OPEN
D)			4250 TO 4464	0.400	28	OPEN **

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3200 TO 3461	1500 GAL 15% HCL & FRACED W/30,189# 100 MESH & 239,131# 30/50 OTTAWA SAND IN SLICK WATER
3550 TO 3835	1500 GAL 15% HCL & FRACED W/29,899# 100 MESH & 260,032# 30/50 OTTAWA SAND IN SLICK WATER
3922 TO 4181	1500 GAL 15% HCL & FRACED W/29,818# 100 MESH & 221,828# 30/50 OTTAWA SAND IN SLICK WATER
4250 TO 4464	1500 GAL 15% HCL & FRACED W/30,774# 100 MESH & 189,824# 30/50 OTTAWA SAND IN SLICK WATER ***

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/04/2017	05/19/2017	24	→	89.0	100.0	806.0			UB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→	89	100	806	1124		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil G-Corr.	Gas:Oil Ratio	Well Status
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

Pending BLM approvals will subsequently be reviewed and scanned *ms*

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #376825 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GLORIETA	3104	3197	OIL & GAS	QUEEN	885
YESO	3197		OIL & GAS	GRAYBURG	1368
				SAN ANDRES	1617
				GLORIETA	3104
				YESO	3197

32. Additional remarks (include plugging procedure):
THIS IS FOR A NEW YESO OIL WELL.

**43. Perforation Record
TOP BOTTOM SIZE HOLES
4548' 4910' 0.4" 37

***44. Frac Treatment
TOP BOTTOM AMOUNT & TYPE MATERIAL

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #376825 Verified by the BLM Well Information System.
For LIME ROCK RESOURCES II-A,L.P., sent to the Carlsbad**

Name (please print) MIKE PIPPIN Title PETROLEUM ENGINEER

Signature _____ (Electronic Submission) Date 05/22/2017

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Additional data for transaction #376825 that would not fit on the form

32. Additional remarks, continued

4548' 4910' 1500 GAL 15% HCL & FRACED W/30,774# 100 MESH & 189,824# 30/50 OTTAWA SAND
IN SLICK WATER