

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

Form C-104
Revised Feb. 26, 2007

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

Submit to Appropriate District Office
5 Copies

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 - 015-43219	⁵ Pool Name Red Lake, Glorieta-Yeso	⁶ Pool Code 51120
⁷ Property Code 315032	⁸ Property Name HAWK 8 E FEDERAL	⁹ Well Number 48

II. 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
D	8	18-S	27-E		1165	NORTH	230	WEST	EDDY

¹¹ Bottom Hole Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	8	18-S	27-E		1707	NORTH	351	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
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Transportaion, LLC 10 Desta Dr., Ste. 350W, Midland, TX 79705-4544	O
151618	Frontier Field Service 4200 Skelly Dr. Suite 700, Tulsa, OK 74135	G
	NM OIL CONSERVATION ARTESIA DISTRICT DEC 08 2016	

RECEIVED

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
9/11/16	10/20/16	4883'	4804'	2740'-4696'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
11"	8-5/8" 24#	355	300 sx		
7-7/8"	5-1/2" 17#	4861'	1040 sx		
	2-7/8" tubing	2668'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
10/31/16	10/31/16	11/17/16	24 Hours		
³⁷ Choke Size	³⁸ Oil (bbls)	³⁹ Water (bbls)	Gas (MCF)		⁴¹ Test Method
	78	1620	200		Pumping

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and 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: 11/26/16

Phone:
505-327-4573

OIL CONSERVATION DIVISION
Approved by: *Karen Sharp*
Title: *Bus Oper Spec - Adv*
Approval Date: *12-15-16*

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

5. Lease Serial No.
NMLC070678A

6. If Indian, Allottee or Tribe Name

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

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. HAWK 8 E FEDERAL 48
2. Name of Operator LIME ROCK RESOURCES II-A, L.P. E-Mail: MIKE@PIPPINLLC.COM		9. API Well No. 30-015-43219
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 RED LAKE, GL-YESO 51120
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T18S R27E SWNW 1165FNL 230FWL		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 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"/> 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Hydraulic Fracture
	<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 recomplate 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 THE INITIAL COMPLETION OF A NEW OIL WELL.

On 10/11/16, PT 5-1/2" csg to 5000 psi-OK. On 10/12/16, perfed Yeso @ 4290'-4696' w/33-0.41" holes.
On 10/14/16, treated new perfs w/1500 gal 15% HCL acid & fraced w/31,692# 100 mesh & 382,494# 40/70 sand in slick water.
Set 5-1/2" CBP @ 4170' & PT 5-1/2" csg to 3500 psi-OK . Perfed Yeso @ 3680'-4050' w/35-0.41" holes.
Treated new Yeso perfs w/1217 gal 15% HCL & fraced w/31,567# 100 mesh & 368,662# 40/70 Arizona sand in slick water. Spotted 478 gal 15% HCL over next stage.
Set 5-1/2" CBP @ 3560'. Perfed Yeso @ 3110'-3450' w/33-0.41" holes. Treated new Yeso perfs w/978 gal 15% HCL & fraced w/29,859# 100 mesh & 312,306# 40/70 sand in slick water. Spotted 520 gal 15% HCL over next stage.
Set 5-1/2" CBP @ 3056' & PT 5-1/2" CSG to 3500 psi-OK. Perfed Yeso @ 2740'-3020' w/33-0.41" holes.

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

**Electronic Submission #357252 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 11/07/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____
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 _____

Pending BLM approvals will
subsequently be reviewed
and scanned

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly a ... to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdicdio.

Additional data for EC transaction #357252 that would not fit on the form

32. Additional remarks, continued

Treated new Yeso perms w/978 gal 15% HCL & fraced w/29,859# 100 mesh & 123,060# 40/70 sand in slick water.

On 10/17/16, MIRUSU. CO after frac, drilled CBPs @ 3056', 3560' & 4170', & CO to PBD @ 4804'. On 10/19/16, landed ESP on 2-7/8" 6.5# L-80 tbg @ 2668'. Released completion rig on 10/20/16.

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.
NMLC070678A

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **LIME ROCK RESOURCES II-A,L.P.** Contact: **MIKE PIPPIN**
 E-Mail: **mike@pippinllc.com**

8. Lease Name and Well No.
HAWK 8 E FEDERAL 48

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.
30-015-43219

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **NWNW 1165FNL 230FWL**
 At top prod interval reported below **SWNW 1710FNL 368FWL**
 At total depth **SWNW 1707FNL 351FWL**

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

11. Sec., T., R., M., or Block and Survey
or Area **Sec 8 T18S R27E Mer**

12. County or Parish
EDDY COUNTY 13. State
NM

14. Date Spudded **09/11/2016** 15. Date T.D. Reached **09/18/2016** 16. Date Completed
 D & A Ready to Prod.
10/20/2016

17. Elevations (DF, KB, RT, GL)*
3391 GL

18. Total Depth: **MD 4883** 19. Plug Back T.D.: **MD 4804** 20. Depth Bridge Plug Set: **MD**
TVD **TVD** **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION & DENSITY NEUTRON

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit analysis)
 Directional Survey? No 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	355		300	71	0	0
7.875	5.500 J-55	17.0	0	4861		1040	281	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)
3.500	2668							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, GL-YESO 51120		2604	2740 TO 3020	0.410	33	OPEN
B)			3110 TO 3450	0.410	33	OPEN
C)			3680 TO 4050	0.410	35	OPEN
D)			4290 TO 4696	0.410	33	OPEN

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

Depth Interval	Amount and Type of Material
2740 TO 3020	978 GAL 15% HCL & FRACED W/29,859# 100 MESH & 123,060# 40/70 SAND IN SLICK WATER
3110 TO 3450	978 GAL 15% HCL & FRACED W/29,859# 100 MESH & 312,306# 40/70 SAND IN SLICK WATER
3680 TO 4050	1217 GAL 15% HCL & FRACED W/31,567# 100 MESH & 368,662# 40/70 ARIZONA SAND IN SLICK WATER
4290 TO 4696	1500 GAL 15% HCL & FRACED W/31,692# 100 MESH & 382,494# 40/70 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
10/31/2016	11/17/2016	24	→	78.0	200.0	1620.0			OTHER
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→	78	200	1620	2564	POW	

28a. Production - Interval B

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

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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	2604	2686	OIL & GAS	QUEEN	471
YESO	2686	4224	OIL & GAS	GRAYBURG	942
TUBB	4224			SAN ANDRES	1170
				GLORIETA	2604
				YESO	2686
				TUBB	4224

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

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 #358943 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 11/26/2016

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.