

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.  
NMLC070678A

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. HAWK 8 L FEDERAL 16
2. Name of Operator LIME ROCK RESOURCES II-A, L.P. Contact: MIKE PIPPIN E-Mail: MIKE@PIPPINLLC.COM		9. API Well No. 30-015-43814
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-YO 51120
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T18S R27E NWSW 2305FSL 555FWL		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 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 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 must 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 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 2/7/17, PT 5-1/2" csg to 4500 psi-OK. On 2/8/17, ran cased hole neutron log from PBTD4461 to surface. On 2/24/17, perfed Yeso/Tubb @ 4050'-4452' w/33-0.41" holes. On 3/4/17, treated new perms w/1153 gal 15% HCL acid & fraced w/30,017# 100 mesh & 379,120# 40/70 Wisconsin sand in slick water.

Set 5-1/2" CBP @ 3960'. Perfed Yeso @ 3600'-3911' w/31-0.41" holes. Treated new Yeso perms w/1060 gal 15% HCL & fraced w/30,540# 100 mesh & 287,290# 40/70 sand in slick water.

Set 5-1/2" CBP @ 3550'. Perfed Yeso @ 3200'-3501'. Treated new Yeso perms w/917 gal 15% HCL & fraced w/29,553# 100 mesh & 285,910# 40/70 sand in slick water.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #370430 verified by the BLM Well Information System For LIME ROCK RESOURCES II-A, L.P., sent to the Carlsbad</b>	
Name (Printed/Typed) MIKE PIPPIN	Title PETROLEUM ENGINEER
Signature (Electronic Submission)	Date 03/20/2017

**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 and willfully to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*RIP*

**Additional data for EC transaction #370430 that would not fit on the form**

**32. Additional remarks, continued**

Set 5-1/2" CBP @ 3130'. Perfed Yeso @ 2710'-3063' w/35-0.41" holes. Treated new Yeso perfs w/1507 gal 15% HCL & fraced w/29,486# 100 mesh & 350,027# 40/70 sand in slick water.

On 3/7/17, MIRUSU. CO after frac, drilled CBPs @ 3130', 3550' & 3960', & CO to PBD @ 4461'. On 3/10/17, landed ESP on 2-7/8" 6.5# L-80 tbg @ 2871'. Released completion rig on 3/10/17.

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. NMLC070678A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. HAWK 8 L FEDERAL 16

9. API Well No. 30-015-43814

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 01/26/2017

15. Date T.D. Reached 02/01/2017

16. Date Completed  D & A  Ready to Prod. 03/10/2017

17. Elevations (DF, KB, RT, GL)\* 3388 GL

18. Total Depth: MD 4510 TVD 4510

19. Plug Back T.D.: MD 4461 TVD 4461

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CASED HOLE 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J-55	24.0	0	350		300	72	0	0
7.875	5.500 J-55	17.0	0	4498		900	248	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	2871							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, GL-YESO 51120	2556		2710 TO 3063	0.410	35	OPEN
B)			3200 TO 3501	0.410	31	OPEN
C)			3600 TO 3911	0.410	31	OPEN
D)			4050 TO 4452	0.410	33	OPEN

26. Perforation Record

Depth Interval	Amount and Type of Material
2710 TO 3063	1507 GAL 15% HCL & FRACED W/29,486# 100 MESH & 350,027# 40/70 SAND IN SLICK WATER
3200 TO 3501	917 GAL 15% HCL & FRACED W/29,553# 100 MESH & 285,910# 40/70 SAND IN SLICK WATER
3600 TO 3911	1060 GAL 15% HCL & FRACED W/30,540# 100 MESH & 287,290# 40/70 SAND IN SLICK WATER
4050 TO 4452	1153 GAL 15% HCL & FRACED W/30,017# 100 MESH & 379,120# 40/70 WISCONSON SAND IN SLICK WATER

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/14/2017	03/28/2017	24	→	108.0	200.0	1256.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→	108	200	1256	1852	POW	

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
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	
	SI		→					

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #371822 VERIFIED BY THE BLM WELL INFORMATION SYSTEM.  
\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OI

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

JR-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	2556	2641	OIL & GAS	QUEEN	564
YESO	2641	4222	OIL & GAS	GRAYBURG	964
TUBB	4222		OIL & GAS	SAN ANDRES	1175
				GLORIETA	2556
				YESO	2641
				TUBB	4222

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 #371822 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 03/31/2017

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.