

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 OMB No. 1004-0135
 Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
 LC 70678A

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

RECEIVED
 JUN 12 2013
 NMOCD ARTESIA

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
 HAWK 8 L FEDERAL #15

2. Name of Operator
 LIME ROCK RESOURCES II-A, L.P.

9. API Well No.
 30-015-39807

3a. Address c/o Mike Pippin LLC
 3104 N. Sullivan, Farmington, NM 87401

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

10. Field and Pool, or Exploratory Area
 Red Lake: Glorieta-Yeso (51120)
 AND
 Eddy County, New Mexico

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1650' FSL & 680' FWL Unit L OGRID#: 277558
 Sec. 8, T18S, R27E

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 checked="" 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 <u>Payadd Workover</u>
	<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 Operations (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.)

LIME ROCK would like to perform a payadd workover on this oil well as follows: MIRUSU. TOH w/all production equipment. Set a 5-1/2" CBP @ ~2910'. (Existing Yeso perfs are @ 2929'-4180'). Perf additional Glorieta/Yeso @ about 2617'-2888' w/~26 holes. Stimulate w/about 2000 gal 7.5% HCL acid, & frac w/about 125,000# 16/30 sand in X-linked gel. CO after frac, drill out CBP @ 2910', & CO to PBTD 4214'. Re-land 2-7/8" 6.5# J-55 tbg @ ~3908'. Run pump & rods. Release rig. Complete as a single Glorieta/Yeso oil well.

Only subsequent report required when adding pay. to a zone you are already approved in.

6/20/2013
 Accepted for record
 NMOCD

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

Name (Printed/Typed) Mike Pippin	Title Petroleum Engineer (Agent)
Signature <i>Mike Pippin</i>	Date May 20 2013

APPROVED

THIS SPACE FOR FEDERAL OR STATE 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

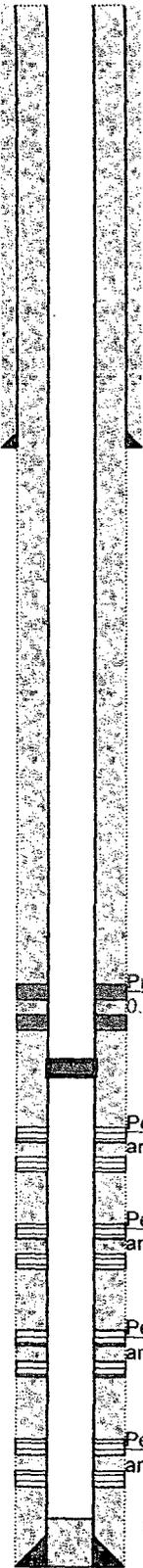
Date
 JUN 10 2013
 Bureau of Land Management
 U.S. DEPARTMENT OF THE INTERIOR

Title 18 U.S.C. Section 1001, makes 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.



Proposed Upper Yeso and Glorieta Pay Add

HAWK 8 L FEDERAL #15
Sec 8-18S-27E (C S/2 L)
1650' FSL, 680' FWL
Elevation – 3,398.0'GR
3,409.5' KB
API # 30-015-39807
Eddy County, NM



8-5/8", 24#, J-55 ST&C Casing @ 350'. Circ 83 sx to Surface. (2/09/2012)

Proposed Perfs: 2,617' – 2,888' (1 SPF – 26 holes @ 0.41 EHD and 31" penetration)

Set CBP @ 2,910'

Perfs: 2,929' - 3,182' (1 & 2 SPF – 56 holes @ 0.41 EHD and 31" penetration)

Perfs: 3,240' - 3,419' (1 & 2 SPF – 44 holes @ 0.41" EHD and 31" penetration minimum)

Perfs: 3,500' – 3,860' (1 SPF - 55 holes @ 0.41" EHD and 31" penetration)

Perfs: 3,923' – 4,180' (1 SPF – 48 holes @ 0.41" EHD and 31")

PBTD @ 4,214' CIBP above CMT top at 2616'

5-1/2"; 17#, J-55; ST&C Casing @ 4,226'. Circ 131 sx to Surface. (2/16/2012)

TD @ 4,243'

Proposed Stim: Acidize w/ 2000 gals 7.5% HC. Frac w/ 56,500 gal Viking 2000 x-linked gel, 110,250 lbs 16/30 Brady sand and 13,500 lbs SiberProp

Stim: Acidize w/ 1890 gals 7.5% HCL and 84 ball sealers. Frac w/ 54,591 gal Viking 2000 x-linked gel, 62,293 lbs 16/30 Brady sand and 20,330 lbs SiberProp

Stim: Acidize w/ 2500 gals 7.5% HCL and 66 ball sealers. Frac w/ 41,182 gal Viking 2000 x-linked gel, 47,009 lbs 16/30 Brady sand and 12,241 lbs SiberProp

Stim: Acidize w/ 2500 gals 7.5% HCL and 83 ball sealers. Frac w/ 71,675 gal Viking 2000 x-linked gel, 85,372 lbs 16/30 Brady sand and 15,362 lbs SiberProp

Stim: Acidize w/ 2520 gals 7.5% HCL and 72 ball sealers. Frac w/ 58,239 gal Viking 2000 x-linked gel, 80,233 lbs 16/30 Brady sand and 13,859 lbs SiberProp

GEOLOGY

Zone	Top
Queen	566'
Grayburg	928'
Premier	1,154'
San Andres	1,195'
MSA	1,488'
LSA	2,097'
Glorieta	2,586'
Yeso	2,713'

SURVEYS

Degrees	Depth
1/4	367'
3/4	513'
1/4	1,017'
1	1,520'
1	2,016'
1-1/4	2,523'
1-1/4	3,025'
1/2	3,998'
1	4,243'