

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**

|  |   |   |
|--|---|---|
| <sup>1</sup> Operator name and Address<br><b>Lime Rock Resources II-A, L.P.</b><br>c/o Mike Pippin LLC, 3104 N. Sullivan<br>Farmington, NM 87401 |   | <sup>2</sup> OGRID Number<br>277558                       |
|  |   | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW |
| <sup>4</sup> API Number<br>30 - 015-43722  | <sup>5</sup> Pool Name<br>Red Lake, Glorieta-Yeso     | <sup>6</sup> Pool Code<br>51120                           |
| <sup>7</sup> Property Code<br>309005   | <sup>8</sup> Property Name<br><b>HAWK 8 P FEDERAL</b> | <sup>9</sup> Well Number<br>55                            |

**II. <sup>10</sup> Surface Location**

| Ul or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 8       | 18-S     | 27-E  |         | 980           | SOUTH            | 740           | EAST           | EDDY   |

**<sup>11</sup> Bottom Hole Location**

| UL or lotno. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|              |         |          |       |         |               |                  |               |                |        |

| <sup>12</sup> Lse Code | <sup>13</sup> Producing Method Code | <sup>14</sup> Gas Connection Date | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |
|------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| F                      | P                                   | READY                             |                                   |                                    |                                     |

**III. Oil and Gas Transporters**

| <sup>18</sup> Transporter OGRID                               | <sup>19</sup> Transporter Name and Address  | <sup>20</sup> O/G/W |
|---|---|---------------------|
| 278421  | <b>Holly Transportation, LLC</b><br>1602 W. Main, Artesia, NM 88210               | O                   |
| 246624  | <b>DCP Midstream, LP</b><br>370 17 <sup>th</sup> St, Suite 2775, Denver, CO 80202 | G                   |
| <b>NM OIL CONSERVATION</b><br>ARTESIA DISTRICT<br>APR 03 2018 |   |                     |

**IV. Well Completion Data**

RECEIVED

| <sup>21</sup> Spud Date | <sup>22</sup> Ready Date           | <sup>23</sup> TD        | <sup>24</sup> PBDT             | <sup>25</sup> Perforations | <sup>26</sup> DHC, MC |
|-------------------------|------------------------------------|-------------------------|--------------------------------|----------------------------|-----------------------|
| 1/25/18                 | 2/23/18                            | 4600'                   | 4533'                          | 2944'-4451'                |                       |
| <sup>27</sup> Hole Size | <sup>28</sup> Casing & Tubing Size | <sup>29</sup> Depth Set | <sup>30</sup> Sacks Cement     |                            |                       |
| 12-1/4"                 | 8-5/8" 24#                         | 349'                    | 350 sx                         | ✓                          |                       |
| 7-7/8"                  | 5-1/2" 17#                         | 4596'                   | 300 sx 35/65 poz<br>500 sx "C" | ✓                          |                       |
|                         | 2-7/8" tubing                      | 3251'                   |                                |                            |                       |

**V. Well Test Data**

| <sup>31</sup> Date New Oil | <sup>32</sup> Gas Delivery Date | <sup>33</sup> Test Date     | <sup>34</sup> Test Length | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure |
|----------------------------|---------------------------------|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| 3/1/18                     | 2/25/18                         | 3/9/18                      | 24 Hours                  |                             |                             |
| <sup>37</sup> Choke Size   | <sup>38</sup> Oil (bbbls)       | <sup>39</sup> Water (bbbls) | Gas (MCF)                 | <sup>41</sup> Test Method   |                             |
|                            | 150                             | 1250                        | 250                       | Pumping                     |                             |

|   |  |
|---|--|
| <sup>42</sup> 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.<br>Signature: <i>Mike Pippin</i> | OIL CONSERVATION DIVISION<br>Approved by: <i>Raymond W. Pedung</i><br>Title: <i>Geologist</i><br>Approval Date: <i>4-12-2018</i> |
| Printed name: Mike Pippin   |  |
| Title: Petroleum Engineer - Agent   |  |
| E-mail Address: mike@pippinllc.com  |  |
| Date: 3/31/18   | Phone: 505-327-4573  |

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
ARTESIA DISTRICT

APR 03 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
RECEIVED

5. Lease Serial No.  
NMNM29273

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

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

3. Address C/O MIKE PIPPIN 3104 N SULLIVAN FARMINGTON, NM 87401 3a. Phone No. (include area code) Ph: 505-327-4573

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface SESE 980FSL 740FEL  
 At top prod interval reported below SESE 980FSL 740FEL  
 At total depth SESE 980FSL 740FEL

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
 8. Lease Name and Well No. HAWK 8 P FEDERAL 55  
 9. API Well No. 30-015-43722  
 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 01/25/2018 15. Date T.D. Reached 01/30/2018 16. Date Completed  D & A  Ready to Prod. 02/23/2018  
 17. Elevations (DF, KB, RT, GL)\* 3462 GL  
 18. Total Depth: MD 4600 TVD 19. Plug Back T.D.: MD 4533 TVD 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?  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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.250    | 8.625 J-55 | 24.0        | 0        | 349         |                      | 350                         | 84                | 0           | 0             |
| 7.875     | 5.500 J-55 | 17.0        | 0        | 4596        |                      | 800                         | 224               | 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 | 3251           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation               | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------------------|------|--------|---------------------|------|-----------|--------------|
| RED LAKE, GL-YESO 51120 | 2785 |        | 2944 TO 3254        |      | 29        | OPEN         |
| B)                      |      |        | 3398 TO 3731        |      | 35        | OPEN         |
| C)                      |      |        | 3800 TO 4177        |      | 36        | OPEN         |
| D)                      |      |        | 4290 TO 4451        |      | 23        | OPEN         |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 2944 TO 3254   | 1512 GAL 15% HCL & FRACED W/30,182# 100 MESH & 325,202# 30/50 SAND IN SLICK WATER |
| 3398 TO 3731   | 2012 GAL 15% HCL & FRACED W/32,154# 100 MESH & 324,078# 30/50 SAND IN SLICK WATER |
| 3800 TO 4177   | 1870 GAL 15% HCL & FRACED W/31,985# 100 MESH & 310,097# 30/50 SAND IN SLICK WATER |
| 4290 TO 4451   | 1500 GAL 15% HCL & FRACED W/32,170# 100 MESH & 128,302# 30/50 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         |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 02/25/2018          | 03/09/2018           | 24           | →               | 150.0   | 250.0   | 1250.0    |                       |             | 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                  |                      |              | →               | 150     | 250     | 1250      | 1667                  |             |                           |

28a. Production - Interval B

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

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #409996 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  | 2785 | 2902   | OIL & GAS                    | QUEEN      | 680         |
| YESO      | 2902 |        | OIL & GAS                    | GRAYBURG   | 1110        |
|           |      |        |                              | SAN ANDRES | 1336        |
|           |      |        |                              | GLORIETA   | 2785        |
|           |      |        |                              | YESO       | 2902        |

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 #409996 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 03/31/2018

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.

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