

**NM OIL CONSERVATION**  
UNITED STATES ARTESIA  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NOV 29 2017

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM025528

|  |  |  |  |
|--|--|--|--|
| 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 type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.<br>Other  |  | 7. Unit or CA Agreement Name and No.   |  |
| 2. Name of Operator<br>LIME ROCK RESOURCES II A LP E-Mail: mike@pippinllc.com  |  | 8. Lease Name and Well No.<br>EAGLE 33 O FEDERAL 19  |  |
| 3. Address<br>1111 BAGBY STREET SUITE 4600<br>HOUSTON, TX 77002  |  | 9. API Well No.<br>30-015-39459-00-S2  |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface SWSE 290FSL 2210FEL<br>At top prod interval reported below SWSE 290FSL 2210FEL<br>At total depth SWSE 290FSL 2210FEL  |  | 10. Field and Pool, or Exploratory<br>RED LAKE-QUEEN-GRAYBURG-SA                               |  |
| 14. Date Spudded<br>09/29/2011   |  | 15. Date T.D. Reached<br>10/04/2011  |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>08/03/2017  |  | 17. Elevations (DF, KB, RT, GL)*<br>3522 GL  |  |
| 18. Total Depth: MD 4430<br>TVD 4430   |  | 19. Plug Back T.D.: MD 4366<br>TVD 4366  |  |
| 20. Depth Bridge Plug Set: MD 2720<br>TVD 2720   |  | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>INDUCTION&NEUTR DENSITY |  |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>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 Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 11.000    | 8.625 J-55 | 24.0        | 0        | 391         |                      | 375                          | 89                | 0           |               |
| 7.875     | 5.500 J-55 | 17.0        | 0        | 4413        |                      | 880                          | 251               | 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 | 2562           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation           | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status              |
|---------------------|------|--------|---------------------|-------|-----------|---------------------------|
| A)QUEEN-GRAYBURG-SA | 1400 | 2575   | 1400 TO 1513        | 0.420 | 25        | OPEN                      |
| B)                  |      |        | 1820 TO 2161        | 0.420 | 34        | OPEN                      |
| C)                  |      |        | 2260 TO 2575        | 0.420 | 25        | OPEN                      |
| D)                  |      |        | 2783 TO 4223        |       | 160       | SHUT-IN BELOW CBP @ 2720' |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 1400 TO 1513   | 1334 GAL 15% HCL & FRACED W/30,500# 100 MESH & 134,239# 30/50 SAND IN SLICK WATER |
| 1820 TO 2161   | 1508 GAL 15% HCL & FRACED W/32,615# 100 MESH & 327,370# 30/50 SAND IN SLICK WATER |
| 2260 TO 2575   | 2940 GAL 15% HCL & FRACED W/30,404# 100 MESH & 318,253# 30/50 SAND IN SLICK WATER |
| 2783 TO 4223   | 11,237 GAL 15% HCL & FRACED W/354,843# 16/30 SAND IN X-LINKED GEL                 |

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     |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-----------------------|
| 08/03/1967          | 08/11/2017           | 24           | →               | 56.0    | 30.0    | 440.0     |                       |             | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate →   | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                       |
|                     |                      |              |                 | 56      | 30      | 440       | 536                   | 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. SI | Csg. Press.  | 24 Hr. Rate →   | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |              |                 |         |         |           |                       |             |                   |

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

ELECTRONIC SUBMISSION #384812 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NOV 06 2017  
DAVID R. GLASS  
PETROLEUM ENGINEER

**ACCEPTED FOR RECORD**  
(DAVID R. GLASS) DAVID R. GLASS

## 28b. Production - Interval C

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

## 28c. Production - Interval D

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr. Rate<br>→     | 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<br>Meas. Depth |
|-------------------|------|--------|------------------------------|------------|--------------------|
| QUEEN             | 799  | 799    |                              | QUEEN      | 799                |
| GRAYBURG          | 1199 | 1434   |                              | GRAYBURG   | 1199               |
| QUEEN-GRAYBURG-SA | 1400 | 2575   | OIL/GAS/WATER                | SAN ANDRES | 1434               |
| SAN ANDRES        | 1434 | 2782   |                              | GLORIETA   | 2782               |
| GLORIETA          | 2782 | 2899   |                              | YESO       | 2899               |
| YESO              | 2783 | 4223   | OIL/GAS/WATER                | TUBB       | 4286               |
| TUBB              | 4286 | 4430   |                              |            |                    |

## 32. Additional remarks (include plugging procedure):

THIS IS FOR A RECOMPLETION TO SAN ANDRES FROM YESO.

The Yeso perms, (2783'-4223') are currently shut-in below a CBP @ 2720'. Following a stabilization time for the current San Andres perms, a BLM DHC application will be submitted to the BLM. When it is approved along with the approved State order DHC-4789, the CBP @ 2720' will be removed and the well DHC.

## 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 #384812 Verified by the BLM Well Information System.  
For LIME ROCK RESOURCES II A LP, sent to the Carlsbad  
Committed to AFMSS for processing by DAVID GLASS on 11/06/2017 (18DRG0011SE)

Name (please print) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 08/15/2017

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***