

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DISTRICT II-ARTESIA O.C.D.

SEP 07 2018 OGD Artesia

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 [X] Oil Well [ ] Gas Well [ ] Dry [ ] Other
b. Type of Completion [X] 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 LP Contact: MIKE PIPPIN E-Mail: mike@pipinllc.com

8. Lease Name and Well No. HAWK 8 K FEDERAL 51

3. Address 1111 BAGBY STREET SUITE 4600 HOUSTON, TX 77002

3a. Phone No. (include area code) Ph: 505-327-4573

9. API Well No. 30-015-43951-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*
At surface NESW 2305FSL 1600FWL
At top prod interval reported below NESW 2305FSL 1600FWL
At total depth NESW 2305FSL 1600FWL

10. Field and Pool, or Exploratory RED LAKE

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

12. County or Parish EDDY 13. State NM

14. Date Spudded 03/31/2018

15. Date T.D. Reached 04/04/2018

16. Date Completed [ ] D & A [ ] Ready to Prod. 06/12/2018

17. Elevations (DF, KB, RT, GL)\* 3413 GL

18. Total Depth: MD 4515 TVD 4515

19. Plug Back T.D.: MD 4470 TVD 4470

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CASEDHOLENEUTRO

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit analysis)
Directional Survey? [ ] No [X] Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Table with columns: 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

24. Tubing Record

Table with columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Table with columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status

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

Table with columns: Depth Interval, Amount and Type of Material

28. Production - Interval A

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

28a. Production - Interval B

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

ACCEPTED FOR RECORD
SEP -4 2018
Dinah Negette
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #427166 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\*

Reclamation Due: 12/12/2018

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	2602	2683	OIL & GAS	QUEEN	548
YESO	2683	4306	OIL & GAS	GRAYBURG	1007
TUBB	4306		OIL & GAS	SAN ANDRES	1217
				GLORIETA	2602
				YESO	2683
				TUBB	4306

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 #427166 Verified by the BLM Well Information System.**  
For LIME ROCK RESOURCES II A LP, sent to the Carlsbad  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 07/31/2018 (18DW0206SE)

Name (please print) MIKE PIPPIN Title PETROLEUM ENGINEER

Signature \_\_\_\_\_ (Electronic Submission) Date 07/12/2018

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.

WELL NAME AND NUMBER Hawk 8 K Federal No. 51  
 LOCATION Section 8, T18S, R27E, 2305 FSL, 1600 FWL, Eddy Cty  
 OPERATOR Lime Rock Resources II-A, L.P.  
 DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.7° @ 246'		
.5° @ 513'		
.7° @ 1023'		
.5° @ 1279'		
.6° @ 1790'		
.5° @ 2301'		
.7° @ 2748'		
.3° @ 3259'		
.3° @ 3770'		
.4° @ 4280'		
.5° @ 4455'		

Drilling Contractor- UNITED DRILLING, INC.

By: *Angel Salazar*  
 (Angel Salazar)

Title: Vice President

Subscribed and sworn to before me this 10<sup>th</sup> day of April, 2018.

*Luisa Noriega*  
 Notary Public

Chaves NM  
 County State

My Commission Expires:

