

Artesia AUG 29 2017

Form 3160-4
 (August 2007)

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 RECEIPT

Lease Serial No.
 NMNM025604

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 checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator LIME ROCK RESOURCES II A LP			Contact: MIKE PIPPIN E-Mail: MIKE@PIPPINLLC.COM		
3. Address 1111 BAGBY STREET SUITE 4600 HOUSTON, TX 77002			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 NWNE 470FNL 2010FEL At top prod interval reported below NWNE 343FNL 2295FEL At total depth NWNE 345FNL 2299FEL			8. Lease Name and Well No. HAWK 9 B FEDERAL 18		
14. Date Spudded 02/24/2017			15. Date T.D. Reached 03/02/2017		
16. Date Completed <input checked="" type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 04/07/2017			9. API Well No. 30-015-43278-00-S1		
18. Total Depth: MD 4990 TVD 4951			19. Plug Back T.D.: MD 4906 TVD 4875		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory RED LAKE-GLORIETA-YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CASEDHOLENEUTRO			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11.000	8.625 J-55	24.0	0	435		350	84	0	0
7.875	5.500 J-55	17.0	0	4937		1000	271	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	2914							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO	3100	4851	3100 TO 3405	0.400	31	OPEN
B)			3480 TO 3767	0.400	28	OPEN
C)			4060 TO 4419	0.400	35	OPEN
D)			4530 TO 4851	0.400	31	OPEN

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

Depth Interval	Amount and Type of Material
3100 TO 3405	1504 GAL 15% HCL & FRACED W/29,857# 100 MESH & 266,368# 30/50 SAND IN SLICK WATER
3480 TO 3767	1248 GAL 15% HCL & FRACED W/29,044# 100 MESH & 267,492# 30/50 SAND IN SLICK WATER
4060 TO 4419	1015 GAL 15% HCL & FRACED W/29,388# 100 MESH & 342,590# 30/50 SAND IN SLICK WATER
4530 TO 4851	1000 GAL 15% HCL & FRACED W/27,767# 100 MESH & 326,987# 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
04/07/2017	04/18/2017	24	→	139.0	87.0	1469.0			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	
			→	139	87	1469	626	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	
			→						

ACCEPTED FOR RECORD
 (ORIG. SCD) DAVID R. GLASS
 AUG 14 2017

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

ELECTRONIC SUBMISSION #373659 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

DAVID R. GLASS

** BLM REVISED **

RECLAMATION DUE:
 OCT 07 2017

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
TANSILL	0	31		QUEEN	783
YATES	31	256		GRAYBURG	1241
SEVEN RIVERS	256	783		SAN ANDRES	1478
GLORIETA	2947	3057		GLORIETA	2947
YESO	3057	4500	OIL & GAS	YESO	3057
GLORIETA YESO	3100	4851	OIL\GAS\WATER		

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 #373659 Verified by the BLM Well Information System.
For LIME ROCK RESOURCES II A LP, sent to the Carlsbad
Committed to AFSS for processing by DUNCAN WHITLOCK on 05/03/2017 (17DW0064SE)**

Name (please print) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature _____ (Electronic Submission)

Date 04/21/2017

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 ****