

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OCD Artesia
SEP 12 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
DISTRICT II-ARTESIA O.C.D.

5. Lease Serial No.
NMLC065478B

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 type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resrv. Other <u>Recompletion</u>		7. Unit or CA Agreement Name and No. NMMN117973	
2. Name of Operator LIME ROCK RESOURCES II A LP E-Mail: mike@pippinllc.com		8. Lease Name and Well No. HORSETAIL 9 FEDERAL 1	
3. Address 1111 BAGBY STREET SUITE 4600 HOUSTON, TX 77002		9. API Well No. 30-015-34171-00 <u>82</u>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 1261FSL 1144FEL At top prod interval reported below SESE 1395FNL 1199FEL At total depth SESE 1088FSL 974FEL		10. Field and Pool, or Exploratory <u>RED LAKE-GLORIETA-YESO</u>	
14. Date Spudded 08/20/2005		15. Date T.D. Reached 10/12/2005	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/02/2018		17. Elevations (DF, KB, RT, GL)* 3505 GL	
18. Total Depth: MD 9929 TVD 9902		19. Plug Back T.D.: MD 9873 TVD 9858	
20. Depth Bridge Plug Set: MD 4800 TVD 4810		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL LATER LOG DENSITY NEUTRON	
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
17.500	13.375 H-40	48.0	0	427		530		0	
12.250	8.625 J-55	32.0	0	3105		1630		0	0
8.750	5.500 P-110	17.0	0	9915		695		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	3623							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO	3110	3976	3300 TO 3651	0.400	38	OPEN - ALL Perfs GL-Yeso 511
B)			3720 TO 4006	0.400	29	OPEN
C)			4165 TO 4531	0.400	29	OPEN
D)						

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

Depth Interval	Amount and Type of Material
3300 TO 3651	1500 GAL 15% HCL & FRACED W/30,260# RC 100 MESH & 326,440# RC 30/50 SAND IN SLICK WATER
3720 TO 4006	1890 GAL 15% HCL & FRACED W/30,350# RC 100 MESH & 260,500# RC 30/50 SAND IN SLICK WATER
4165 TO 4531	1500 GAL 15% HCL & FRACED W/30,290# RC 100 MESH & 339,300# RC 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
07/24/2018	07/28/2018	24	→	139.0	50.0	2065.0			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		→	139	50	2065	360	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	
	SI		→						

ACCEPTED FOR RECORD
SEP - 7 2018
Wendy H. Hargett
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #429925 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

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	3110	3275	OIL & GAS	GRAYBURG	
YESO	3275	3976	OIL & GAS	QUEEN	856
TUBB	3976		OIL & GAS	SAN ANDRES	1570
				GLORIETA	3110
				YESO	3275
				TUBB	4138
				ABO	5680
				CISCO	7660
				CANYON	7947
				STRAWN	8879
				ATOKA	9179
				MORROW	9546
				MISSISSIPPIAN	9719

32. Additional remarks (include plugging procedure):
THIS IS FOR A RE-COMPLETION TO YESO.

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 #429925 Verified by the BLM Well Information System.
For LIME ROCK RESOURCES II A LP, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 09/07/2018 (18DCN0067SE)

Name (please print) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 08/03/2018

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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **