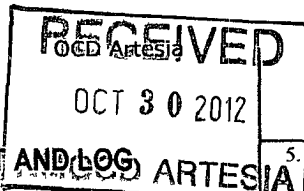


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. Name of Operator  
**LRE OPERATING, LLC c/o Mike Pippin LLC (Agent)**

3. Address **3104. N. Sullivan, Farmington, NM 87401** 3a. Phone No. (include area code) **505-327-4573**

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*  
At surface **1980' FSL & 990' FWL Unit (L) Sec. 14, T17S, R27E**  
At top prod. interval reported below  
At total depth

5. Lease Serial No. **NM-99028**

6. If Indian, Allottee or Tribe Name  
7. Unit or CA Agreement Name and No  
8. Lease Name and Well No. **DUKE ARP FEDERAL #1**

9. API Well No. **30-015-30476 52**

10. Field and Pool, or Exploratory **Empire, Wolfcamp (22420)**

11. Sec., T., R., M., or Block and Survey or Area **L 14 17 27**

12. County or Parish **Eddy** 13. State **NM**

14. Date Spudded **12/02/98** 15. Date T.D. Reached **12/22/98** 16. Date Completed ☐ P & A ☒ Ready to Prod. **WO: 9/17/12**

17. Elevations (DF, RKB, RT, GL)\* **3483' GL**

18. Total Depth: MD **9720'** TVD **9720'** 19. Plug Back T.D.: MD **9075'** TVD **9075'** 20. Depth Bridge Plug Set: MD **9300'** TVD **9300'**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**LDT-CNL-GR, BHC, & DLL**

22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

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
12-1/4"	8-5/8"	24#	0'	1605'		1000 sx		Surface (Circ)	0'
7-7/8"	4-1/2***	11.6#	0'	9720'		875 sx		Surface (Circ)	0'
**	4-1/2"	11.6#	0'	5048'		NONE	9/12: cut off 4-1/2" csg @ 5048' & replaced w/new		

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-7/8"	6349'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wolfcamp	6200'	8022'	6194'-6220'	0.37"	53	Open

26. Perforation Record

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

Depth Interval	Amount and type of Material
6194'-6220'	3000 gal 15% HCL acid & 120 perf balls

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water	Oil Gravity Corr.	Gas Gravity	Production Method
	In 30 days		→						Pumping

Choke Size: \_\_\_\_\_ Tbg. Press. Flwg PSI: \_\_\_\_\_ Csg. Press: \_\_\_\_\_ 24 Hr. Rate: \_\_\_\_\_ Oil BBL: \_\_\_\_\_ Gas MCF: \_\_\_\_\_ Water: \_\_\_\_\_ Gas : Oil Ratio: \_\_\_\_\_ Well Status: \_\_\_\_\_

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water	Oil Gravity Corr.	Gas Gravity	Production Method
			→						

Choke Size: \_\_\_\_\_ Tbg. Press. Flwg SI: \_\_\_\_\_ Csg. Press: \_\_\_\_\_ 24 Hr. Rate: \_\_\_\_\_ Oil BBL: \_\_\_\_\_ Gas MCF: \_\_\_\_\_ Water: \_\_\_\_\_ Gas : Oil Ratio: \_\_\_\_\_ Well Status: \_\_\_\_\_

ACCEPTED FOR RECORD

OCT 27 2012

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

Pumping

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr	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	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.)

## Plan to Sell

## 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
Wolfcamp	6200'	8022'	Oil & Gas		Depth
				Seven Rivers	346'
				Queen	820'
				San Andres	1597'
				Glorieta	2989'
				Yeso	3180'
				Abo	5077'
				Wolfcamp	6200'
				Penn	8022'
				Atoka	9058'
				Morrow	9322'
				Chester	9628'

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

**DUKE ARP FEDERAL #1 TA Morrow Perfs, Repair Csg Leak, & Recomplete to Wolfcamp**

## 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
- 5 Core Analysis
7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Mike Pippin 505-327-4573 Title Petroleum Engineer (Agent)

Signature *Mike Pippin* Date September 21, 2012

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 U States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.