

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*
(See other instruction on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.
LC-029342-A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Mack Energy Corporation

8. FARM OR LEASE NAME, WELL NO.

Woolley Federal #4

3. ADDRESS AND TELEPHONE NO.
P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288

9. API WELL NO.

30-015-30290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1090 FSL 990 FWL**
At top prod. interval reported below **1090 FSL 990 FWL**
At total depth **1090 FSL 990 FWL**

10. FIELD AND POOL, OR WILDCAT

East Empire Yeso

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 21-T17S-R30E

12. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED **9/7/99** 16. DATE T.D. REACHED **9/21/99** 17. DATE COMPL. (Ready to prod.) **10/6/1999** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) **3648 RKB**

19. ELEV. CASING HEAD
3636

20. TOTAL DEPTH, MD & TVD **5170** 21. PLUG, BACK T.D., MD & TVD **5094** 22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY **Yes** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
4540-4766 Paddock

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8 K-55	54	424	17 1/2	425 sx	None
8 5/8 J-55	24	1162	12 1/4	500 sx	None
5 1/2 J-55	15.5	5142	7 7/8	1100 sx	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	4775	

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4540-4766	1/2	73	4540-4766	2000 gals 15% HCL acid
			4540-4766	32000 gals 20% HCL acid
			4540-4766	54000 gals 40# gel

33. PRODUCTION
DATE FIRST PRODUCTION **10/10/99** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **pumping 2 1/2 x 2 x 20' RHBC HVR PAP BNC** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
10/28/1999	24	None		116	93	530	801
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
			116	93	530	38	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Curtis D. Galt TITLE Production Analyst DATE 10/28/99

*(See Instructions and spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

37. SUMMARY OF POROUS ZONES- (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
East Empire Yeso	4537	5090		Queen	2228	
				San Andres	2968	
				Glorietta	4463	

