

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

SUBMIT IN DUPLICATE*

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NO. LC-029342-A	
1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Mack Energy Corporation						7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288						8. FARM OR LEASE NAME, WELL NO. Woolley Federal #8	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1550 FSL & 1650 FWL At top prod. interval reported below At total depth						9. API WELL NO. 30-015-32194	
14. PERMIT NO. _____ DATE ISSUED _____						12. COUNTY OR PARISH Eddy	
15. DATE SPUDDED 3/5/02						13. STATE NM	
16. DATE T.D. REACHED 3/17/02		17. DATE COMPL. (Ready to prod.) 3/29/02		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3653' RKB		19. ELEV. CASING HEAD 3640'	
20. TOTAL DEPTH, MD & TVD 4966'		21. PLUG, BACK T.D., MD & TVD 4949'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS Yes	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 4521.5'-4765' 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 H-40	48	428'	17 1/2	450 sx	None		
8 5/8 J-55	24	1187'	12 1/4	575 sx	None		
5 1/2 J-55	17	4961'	7 7/8	1010 sx	None		
29. LINER RECORD							
SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)			
30. TUBING RECORD							
SIZE	DEPTH SET (MD)	PACKER SET (MD)					
2 7/8	4791'						
31. PERFORATION RECORD (Interval, size and number)							
4521.5'-4765', .44, 64							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
4521.5'-4765'				2500 gals 15% NEFE acid			
4521.5'-4765'				32000 gals 20% HCL			
4521.5'-4765'				54000 gals 40# gel			
4521.5'-4765'				5000 15% HCL acid			
33. PRODUCTION							
DATE FIRST PRODUCTION 4/4/02		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2x2x20' Pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 4/11/02	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL-BBL. 189	GAS-MCF. 219	WATER-BBL. 189	GAS-OIL RATIO 1159
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 189	GAS-MCF. 219	WATER - BBL. 189	OIL GRAVITY - API (CORR.) 38	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold							
35. LIST OF ATTACHMENTS Deviation Survey							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Curtis D. Galt</u>		TITLE <u>Production Analyst</u>			DATE <u>5/22/02</u>		

*(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	TOP MEAS. DEPTH	TRUE VERT. DEPTH
Loco Hills Paddock	4511	4765		Yates	1262	
				Seven Rivers	1586	
				Queen	2228	
				San Andres	2976	
				Glorietta	4446	

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