

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

SUBMIT IN DUPLICATE*
other in-
formation on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*						6. LEASE DESIGNATION AND SERIAL NO. LC-029342-A	
1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐						7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Mack Energy Corporation						8. FARM OR LEASE NAME, WELL NO. Woolley Federal #9	
3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-0288						9. API WELL NO. 30-015-32138	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 967 FSL & 492 FWL						10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock	
At top prod. interval reported below						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 21 T17S R30E	
At total depth						12. COUNTY OR PARISH Eddy	
14. PERMIT NO. DATE ISSUED						13. STATE NM	
15. DATE SPUDDED 2/5/02	16. DATE T.D. REACHED 2/18/02	17. DATE COMPL. (Ready to prod.) 3/7/02	18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 3648' RKB		19. ELEV. CASING HEAD 3635'		
20. TOTAL DEPTH, MD & TVD 5005'		21. PLUG, BACK T.D., MD & TVD 4982'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS Yes		CABLE TOOLS
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 4539-4761' 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 & 54.5	425'	17 1/2	450 sx		None	
8 5/8 J-55	24	1217'	12 1/4	575 sx		None	
5 1/2 J-55	17	4996'	7 7/8	960 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	4773'	
31. PERFORATION RECORD (Interval, size and number) 4539-4761', .41, 66				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				4539-4761'	2500 gals 15% NEFE acid		
				4539-4761'	32000 gals 20% HCL		
				4539-4761'	54000 gals 40# gel		
				4539-4761'	5000 15% HCL acid		
33. PRODUCTION							
DATE FIRST PRODUCTION 3/10/02		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2x2x20' HVR				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 3/18/02	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL-BBL. 233	GAS-MCF. 269	WATER-BBL. 256	GAS-OIL RATIO 1155
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 233	GAS-MCF. 269	WATER - BBL. 256	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 Cassidy Cat		TITLE Production Analyst			DATE 4/11/02		

*(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
Loco Hills Paddock	4536	4761		Yates	1242	
				Seven Rivers	1577	
				Queen	2226	
				San Andres	2960	
				Glorietta	4466	