

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

157

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐				5. LEASE DESIGNATION AND SERIAL NO. LC-028480-A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐				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. Western Federal #2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650 FNL 2310 FEL At top prod. interval reported below 1650 FNL 2310 FEL At total depth 1650 FNL 2310 FEL				9. API WELL NO. 30-015-30310	
14. PERMIT NO.				12. COUNTY OR PARISH Eddy	
DATE ISSUED				13. STATE NM	
15. DATE SPURRED 10/12/98	16. DATE T.D. REACHED 10/23/98	17. DATE COMPL. (Ready to prod.) 11/06/98	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3641 GR		19. ELEV. CASING HEAD 3641 GR
20. TOTAL DEPTH, MD & TVD 5170		21. PLUG, BACK T.D., MD & TVD 4343	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY Yes	ROTARY TOOLS Yes
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 3893-4160 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	48	292	17 1/2	325	None
8 5/8	32	874	12 1/4	450	None
4 1/2	11.6	4369	7 7/8	880	None
29. LINER RECORD					
SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	
2 7/8					
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2 7/8	4186				
31. PERFORATION RECORD (Interval, size and number)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
3893-4160			3000 gals 15% NE acid		
3893-4160			32,000 gals 20% NE acid		
33. PRODUCTION					
DATE FIRST PRODUCTION 11/10/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Pumping 2 1/2 x 2 20 PAP HVR			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 11/5/98	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD 82	OIL-BBL. 104	GAS-MCF. 398
WATER-BBL. 398	GAS-OIL RATIO 1269				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE 82	OIL-BBL. 104	GAS-MCF. 398	WATER - BBL. 398
OIL GRAVITY - API (CORR.) 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. Carter		TITLE Production Clerk		DATE 12/23/98	

*(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, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
RECEIVED JUL 23 1966 Empire Yeso	3885	4156		Queen	1632	
				San Andres	2340	
				Glorietta	3770	

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