

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

SUBMIT IN DUPLICATE

Oil Gases
N.M. DIV DIST 2
1801 W. Grand Avenue
Artesia, NM 88210

APPROVED
OMB NO. 1004-0137
Rev. 10-19-91

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____						7. UNIT AGREEMENT NAME 	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____						8. FARM OR LEASE NAME, WELL NO. Polaris B Federal #2	
2. NAME OF OPERATOR Mack Energy Corporation /						9. API WELL NO. 30-015-31857	
3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288						10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1650 FNL & 1650 FWL At top prod. interval reported below At total depth						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 17-T17S-R30E	
14. PERMIT NO.				DATE ISSUED		12. COUNTY OR PARISH Eddy	
15. DATE SPUDDED 7/21/01		16. DATE T.D. REACHED 7/30/01		17. DATE COMPL. (Ready to prod.) 8/9/01		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 3673 RKB	
19. ELEV. CASING HEAD 3660		20. TOTAL DEPTH, MD & TVD 4715					
21. PLUG, BACK T.D., MD & TVD 4693		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)* 4270-4557' 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 13 3/8 H-40 8 5/8 J-55 5 1/2 J-55		WEIGHT, LB./FT 48 24 17		DEPTH SET (MD) 437 1104 4705		HOLE SIZE 17 1/2 12 1/4 7 7/8	
TOP OF CEMENT, CEMENTING RECORD 425 sx 625 sx 945 sx		AMOUNT PULLED None None None					
29. LINER RECORD				30. TUBING RECORD			
SIZE 	T O P (MD) 	BOTTOM (MD) 	SACKS CEMENT 	SCREEN (MD) 	SIZE 2 7/8	DEPTH SET (MD) 4574	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) 4270-4557', 0.41, 78				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC			
DEPTH INTERVAL (MD) 4270-4557' 4270-4557' 4270-4557' 4270-4557'				AMOUNT AND KIND OF MATERIAL USED 2500 gals 15% NE Acid 32000 gals 20% HCL acid 54000 gals 40# gel 5000 gals 15% HCL			
33. PRODUCTION							
DATE FIRST PRODUCTION 8/14/01		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2 x 2 x 16' HVR				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 8/14/01	HOURS TESTED 24	CHOKE SIZE None	PROD'N FOR TEST PERIOD 	OIL-BBL. 52	GAS-MCF. 105	WATER-BBL. 425	GAS-OIL RATIO 2019
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE 	OIL-BBL. 52	GAS-MCF. 105	WATER - BBL. 425	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 <u>Curtis D. Stettin</u>				TITLE <u>Production Analyst</u>			
				DATE <u>8/28/01</u> PETROLEUM ENGINEER			

*(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.
Loco Hills Paddock	4241	4552	

38. GEOLOGIC MARKERS			
NAME	TOP		TRUE VERT. DEPTH
	MEAS. DEPTH		
Queen	2045		
San Andreas	2744		
Glorietta	4184		

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