

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

SUBMIT IN DUPLICATE

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

C/SK

N. M. Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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 #3	
2. NAME OF OPERATOR Mack Energy Corporation						9. API WELL NO. 30-015-31858	
3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 248-1288						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 940 FNL & 2370 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 12/04/01		16. DATE T.D. REACHED 12/16/01		17. DATE COMPL. (Ready to prod.) 1/27/02		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3685 RKB	
19. ELEV. CASING HEAD 3672							
20. TOTAL DEPTH, MD & TVD 4765'		21. PLUG, BACK T.D., MD & TVD 4742'		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)* 4284-4672.5' 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	430'	17 1/2	450 sx		None	
8 5/8 J-55	24	1118'	12 1/4	575 sx		None	
5 1/2 J-55	17	4756'	7 7/8	1005 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	4683	
31. PERFORATION RECORD (Interval, size and number) 4284-4672.5', .41, 84				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC			
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
4284-4672.5'				2500 gals 15% NEFE acid			
4284-4672.5'				32000 gals 20% NE Acid			
4284-4672.5'				54000 gals 40# gel			
4284-4672.5'				5000 15% HCL Acid			
33. PRODUCTION							
DATE FIRST PRODUCTION 2/1/02		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2 x 2 x 16' RHBC HVR PAP BNC				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 2/19/02	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL. 41	GAS-MCF. 75	WATER-BBL. 123	GAS-OIL RATIO 1829
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL. 41	GAS-MCF. 75	WATER-BBL. 123	OIL GRAVITY - API (CORR.)	
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>Les Babyak</u>				TITLE <u>Production Analyst</u>			
				LES BABYAK 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.	NAME	TOP	
					MEAS.DEPH	TRUE VERT.DEPH
Loco Hills Paddock	4278	4672.5		Yates	1178	
				Seven Rivers	1468	
				Queen	2076	
				San Andres	2777	
				Glorietta	4196	

38. GEOLOGIC MARKERS

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HOSWILE OFFICE