

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

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

FOR APPROVED
DATE 1004-0137
EXPIRES December 31, 1991
OIL & GAS
NM DIV. DIST. 2
LEASE DESIGNATION AND SERIAL NO.

1301 W. Grand Avenue
Artesia, NM 88210

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____ b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Re-Completion</u>						7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME, WELL NO. Cheyenne Federal #2 9. API WELL NO. 30-015-30710 52																																																					
2. NAME OF OPERATOR Mack Energy Corporation 3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288						10. FIELD AND POOL, OR WILDCAT Empire Yeso 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 30 T17S R29E																																																					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 990 FSL 990 FEL At top prod. interval reported below At total depth						12. COUNTY OR PARISH Eddy 13. STATE NM																																																					
15. DATE SPUDDED 10/30/00		16. DATE T.D. REACHED 11/23/00		17. DATE COMPL. (Ready to prod.) 5/3/01		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3635 RKB		19. ELEV. CASING HEAD 3623																																																			
20. TOTAL DEPTH, MD & TVD 5300		21. PLUG, BACK T.D., MD & TVD 5286		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)* 4856-5141' Yeso																																																			
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) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CASING SIZE/GRADE</th> <th>WEIGHT, LB./FT</th> <th>DEPTH SET (MD)</th> <th>HOLE SIZE</th> <th>TOP OF CEMENT, CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> </thead> <tbody> <tr> <td>13 3/8</td> <td>48</td> <td>335</td> <td>17 1/2</td> <td>325 sx</td> <td>None</td> </tr> <tr> <td>8 5/8</td> <td>24</td> <td>814</td> <td>12 1/4</td> <td>500 sx</td> <td>None</td> </tr> <tr> <td>5 1/2</td> <td>17</td> <td>5299</td> <td>7 7/8</td> <td>1425 sx</td> <td>None</td> </tr> </tbody> </table>		CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED	13 3/8	48	335	17 1/2	325 sx	None	8 5/8	24	814	12 1/4	500 sx	None	5 1/2	17	5299	7 7/8	1425 sx	None																										
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34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold																																																											
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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED <u>Alexis G. Swoboda</u> TITLE <u>Production Analyst</u> DATE <u>12/11/01</u> ALEXIS G. SWOBODA 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; corrd intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME
Empire Yeso	4856'	5141'		Queen
				San Andreas
				Glorietta
				MEAS.DEPTH
				1761
				2522
				4052
				TRUE VERT.DEPTH