

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

SUBMIT IN DUPLICATE*

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

C/SF

5. LEASE DESIGNATION AND SERIAL NO.

LC-062407

811 S. 1st Street

Artesia, NM 88210-2834

LOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR
Mack Energy Corporation

3. ADDRESS AND TELEPHONE NO.
P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288

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 _____

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Cheyenne Federal #2

9. API WELL NO.

30-015-30710

10. FIELD AND POOL, OR WILDCAT

Empire Yeso

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 30 T17S R29E

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.) **12/18/00** 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 **Yes** ROTARY TOOLS **Yes** CABLE TOOLS _____

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
5125-5141' 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	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

29. LINER RECORD

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	5151	

31. PERFORATION RECORD (Interval, size and number)

5125-5141' 0.37, 34 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5125-5141'	2500 gals 15% NE acid
5125-5141'	32,000 gals 20# gel
5125-5141'	910sx 16/30 sand

33. PRODUCTION

DATE FIRST PRODUCTION **12/23/00** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **2 1/2 x 2 x 16' RHBC Hollow Valve** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST **1/8/01** HOURS TESTED **24** CHOKE SIZE _____ PROD'N FOR TEST PERIOD **23** OIL-BBL. **65** GAS-MCF. **101** WATER-BBL. **101** GAS-OIL RATIO **2850**

FLOW. TUBING PRESS. _____ CASING PRESSURE _____ CALCULATED 24-HOUR RATE **23** OIL-BBL. **65** GAS-MCF. **101** WATER-BBL. **101** 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

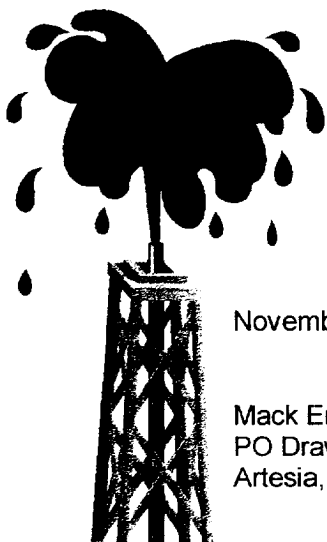
SIGNED *Cassia D. Carter* TITLE **Production Analyst** DATE **1/11/01**

*(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):

38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME
Empire Yeso	4137	4472		Queen
				San Andreas
				Glorietta
				MEAS. DEPTH
				1761
				2522
				4052
				TRUE VERT. DEPTH



Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors

PO Box 1370
505/746-6651

Artesia, NM 88211-1370
746-3518 fax 748-2205

November 30, 2000

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: Cheyenne Federal #2
990' FSL & 990' FEL
Sec. 30, T17S, R29E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
387'	1/2°
831'	2°
1302'	1 3/4°
1792'	2°
2034'	2°
2148'	2 1/2°
2362'	2°
2804'	1 3/4°
3200'	1 1/2°
3722'	2°
4288'	2 1/4°
4631'	1 3/4°
5148'	1 3/4°
5278'	1 1/2°
5305'	1 1/2°

Very truly yours,

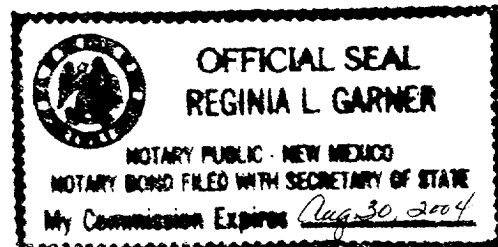
C. E. LaRue
President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 30th day of November, 2000.

Notary Public

00_1032



Serving Southeast New Mexico and West Texas Since 1974