

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Arling, NM 88210
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

6. LEASE DESIGNATION AND SERIAL NO.
LC-060528

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 **Recompletion**

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

2310 FNL & 990 FWL

At top prod. interval reported below

At total depth

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Melrose Federal #1

9. API WELL NO.

30-015-04297

10. FIELD AND POOL, OR WILDCAT

Loco Hills Paddock

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

Sec. 23 T17S R30E, E

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPURRED

N/A

16. DATE T.D. REACHED

N/A

DATE COMPLETION (Ready to prod.)

7/7/2003

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3667' KB

19. ELEV. CASING HEAD

3656.5'

20. TOTAL DEPTH, MD & TVD

6940'

21. PLUG BACK T.D. MD & TVD

6750'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

4594-4836' Paddock

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

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
8 5/8	24	1544'			
5 1/2	15.5	6940'			

29. **LINER RECORD**

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	4865'	

31. PERFORATION RECORD (Interval, size and number)

4594-4836', .45, 52

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4594-4836'	2000 gals 15% NEFE Acid
4594-4836'	32,000 gals 20% HCL
4594-4836'	54,000 gals 40# gel
4594-4836'	5000 gals 15% acid

33. **PRODUCTION**

DATE FIRST PRODUCTION **7/9/2003** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **2 1/2x2x20' Pump** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST **8/8/2003** HOURS TESTED **24 hours** CHOKE SIZE _____ PROD'N FOR TEST PERIOD _____ OIL-BBL. **17** GAS-MCF. **40** WATER-BBL. **220** GAS-OIL RATIO **2353**

FLOW. TUBING PRESS. _____ CASING PRESSURE _____ CALCULATED 24-HOUR RATE _____ OIL-BBL. **17** GAS-MCF. **40** WATER-BBL. **220** OIL GRAVITY - API (CORR.) **40**

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. Galt

TITLE

Production Analyst

DATE

9/4/2003

*(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	TOP	
					MEAS.DEPTH	TRUE VERT.DEPTH
Loco Hills Paddock	4594	4836		Yates		
				Seven Rivers	1631	
				Queen	2264	
				San Andres	3072	
				Glorietta	4508	

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