

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. SUBMIT IN DUPLICATE*

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

495

5. LEASE DESIGNATION AND SERIAL NO.

NM-100844

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.

Elk 21 Federal #1

9. API WELL NO.

30-015-31824

10. FIELD AND POOL, OR WILDCAT

Crow Flats Morrow

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

Sec 21 T16S R28E

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

1980 FSL & 660 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH
Eddy13. STATE
NM15. DATE SPUNDED
6/24/0116. DATE T.D. REACHED
7/22/0117. DATE COMPL. (Ready to prod.)
9/02/0118. ELEVATIONS (DF, RKB, RT, GR, ETC.)
3609 RKB19. ELEV. CASING HEAD
359620. TOTAL DEPTH, MD & TVD
990021. PLUG, BACK T.D., MD & TVD
981222. 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)*

9525-9640 Morrow

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	500	17 1/2	500 sx	None
8 5/8	32	1835	11	650 sx	None
5 1/2	17	9900	7 7/8	2050 sx	None

29. LINER RECORD

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
A					2 7/8	9427	

31. PERFORATION RECORD (Interval, size and number)

9525-9640 .28, 180

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9525-9598.5'	500 gals 15% Acid
9525-9598.5'	2000 gals 10% HCL acid
9525-9640	2000 gals 10% HCL acid
9525-9640	270 BBI 40# gel 41000# 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION 9/2/01		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 9/2/01	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL-BBL. 1	GAS-MCF. 400	WATER-BBL. 2	GAS-OIL RATIO 400000
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 1	GAS-MCF. 400	WATER - BBL. 2	OIL GRAVITY - API (CORR.) 38	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

35. LIST OF ATTACHMENTS

NOV 5 2001

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Production Analyst

LES BABYAK
DATE 10/24/01

*(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS.DEPH	TRUE VERT.DEPH
Crow Flats Morrow	9525	9640		Yates	386	
				Seven Rivers	609	
				Queen	1109	
				San Andres	1938	
				Glorietta	3368	
				Abo	5396	
				Wolfcamp	6547	
				Atoka	9182	
				Morrow	9348	
				Mississippian	9754	

38. GEOLOGIC MARKERS

RECEIVED
JUL 16 1937