

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN

ICATE*
see other in-
struction on
reverse side)

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

6. LEASE DESIGNATION AND SERIAL NO.
LC-028480-A

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 ☐

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

2190 FNL 330 FEL

At top prod. interval reported below

2190 FNL 330 FEL

At total depth

2190 FNL 330 FEL

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
02234

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Western Federal #4

9. API WELL NO.

30-015-30311

10. FIELD AND POOL, OR WILDCAT

Empire Yeso

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

Sec 30 T17S R29E

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPURRED
9/5/98

16. DATE T.D. REACHED
9/14/98

17. DATE COMPL. (Ready to prod.)
10/7/98

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
3619 GR

19. ELEV. CASING HEAD
3619 GR

20. TOTAL DEPTH, MD & TVD
4988

21. PLUG, BACK T.D., MD & TVD
4518

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)*

3945.5-4220 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	329	17 1/2	325	None
8 5/8	32	756	12 1/4	450	None
4 1/2	11.6	4529	7 7/8	1050	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	4260	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3945.5-4220, 1/2,66

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3945.5-4220	3000 gals 15% NE acid
3945.5-4220	32,000 gals 20% NE acid

33. PRODUCTION

DATE FIRST PRODUCTION 10/28/98
PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Pumping 2 1/2 x 2 20 PAP HVR
WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
11/5/98	24			75	95	455	1266
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
			75	95	455		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

Crista D. Carter

TITLE

Production Clerk

DATE

11/19/98

*(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. DEPTH	TRUE VERT. DEPTH
Loco Hills Paddock	3900	4220		Queen	1652	
				San Andres	2367	
				Glorietta	3820	

38. GEOLOGIC MARKERS

NOV 20 83
ELM
ROSWELL, NM

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370

(505) 746-4405 746-3518 748-2205

September 23, 1998

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

RE: Western Federal #4
2190' FNL & 330' FEL
Sec. 30, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
331'	1/4°
570'	3/4°
740'	3/4°
1030'	3/4°
1414'	3/4°
1807'	2°
2086'	2°
2428'	2°
2854'	2°
3390'	1 3/4°
3883'	1 3/4°
4407'	2°
4967'	2°
4986'	2°

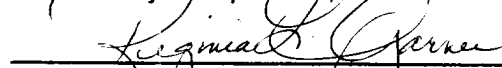
Very truly yours,



Eddie C. LaRue
Vice President

STATE OF NEW MEXICO
COUNTY OF EDDY

The foregoing was acknowledged before me
this 23rd day of September, 1998.



Notary Public

