

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instruction on reverse side)

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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 ☐ 1 S. Street

8. FARM OR LEASE NAME, WELL NO.

Western Federal #1

2. NAME OF OPERATOR

Mack Energy Corporation

9. API WELL NO.

30-015-30032

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960, Artesia, NM 88211-0960

(505) 748-1288

10. FIELD AND POOL, OR WILDCAT

Empire Paddock

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1650 FNL 990 FEL

At top prod. interval reported below

1650 FNL 990 FEL

At total depth

1650 FNL 990 FEL

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 SPUDDED
2/27/98

16. DATE T.D. REACHED
3/18/98

17. DATE COMPL. (Ready to prod.)
7/29/98

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
3628 GR

19. ELEV. CASING HEAD
3628

20. TOTAL DEPTH, MD & TVD
5671

21. PLUG, BACK T.D., MD & TVD
5656

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
Rotary

ROTARY TOOLS
Yes

CABLE TOOLS

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

3907-4200 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
8 5/8	24	310'	12 1/4	250sx	None
7	20	887	7 7/8	150sx	None
5 1/2	17	5667	6 1/8	1075	

29. LINER RECORD

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	4220	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3907-4200, 1/2, 72

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3907-4200	3000 gals 15% NE acid
3907-4200	58,176 gals 30# cross link gell
	175960# 16/30 Ottawa Sand

33. PRODUCTION

DATE FIRST PRODUCTION 8/9/98		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 8/13/98	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL-BBL. 94	GAS-MCF. 90	WATER-BBL. 374	GAS-OIL RATIO 957
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 94	GAS-MCF. 90	WATER - BBL. 374	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 available records

SIGNED

David R. Glass

TITLE

Production Clerk

DATE

8/28/98

BLM

*(See Instructions and spaces for Additional Data on Reverse Side)

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	MEAS. DEPTH	TRUE VERT. DEPTH
Empire Paddock	3860	4203			Queen San Andres Glorietta	1629 2330 3784	



Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors
PO Box 1370 Artesia, NM 88211-1370
505/746-6651 746-3518 fax 748-2205

March 25, 1998

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

RE: Western Federal #1
1650' FNL & 990' FEL
Sec. 30, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
316'	1	3842'	2 3/4
889'	3/4	4339'	2 3/4
1349'	1 1/4	4472'	2 3/4
1850'	1 3/4	4555'	2 1/2
2249'	1 3/4	4833'	2 1/2
2745'	2	5018'	2 1/2
3258'	2	5130'	2 1/2
3753'	2	5512'	2 1/2
		5670'	2 3/4

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 25th day of March, 1998.

Notary Public