

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

SUBMIT IN DUPLICATE

Other information on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.
NM-29269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Navaho Federal #5

9. API WELL NO.
30-015-32370

10. FIELD AND POOL, OR WILDCAT

Empire Yeso

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

Sec. 30, T17S R29E, I

12. COUNTY OR PARISH
Eddy

13. STATE
NM

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

2310 FSL & 330 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED
8/10/02

16. DATE T.D. REACHED
8/22/02

17. DATE COMPL. (Ready to prod.)
9/2/02

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)
3646' RKB

19. ELEV. CASING HEAD
3633'

20. TOTAL DEPTH, MD & TVD
4446'

21. PLUG, BACK T.D., MD & TVD
4428'

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)*

3994-4322.5' Yeso

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 J-55	48	325'	17 1/2	325 sx	None
8 5/8 J-55	24	954'	12 1/4	550 sx	None
5 1/2 J-55	17	4441'	7 7/8	855 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	4342'	

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3994-4322.5'	2500 gals 15% NEFE
3994-4322.5'	32000 gals 20% HCL
3994-4322.5'	54000 gals 40# gel
3994-4322.5'	5000 gals 15% acid

33. PRODUCTION

DATE FIRST PRODUCTION 9/7/02		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2x2x16' Pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 9/17/02	HOURS TESTED 24 hours	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL-BBL. 124	GAS-MCF. 145	WATER-BBL. 151	GAS- OIL RATIO 1169
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 124	GAS-MCF. 145	WATER - BBL. 151	OIL GRAVITY - API (CORR.) 38	

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

Sold

35. LIST OF ATTACHMENTS

Deviation Survey, Logs

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

SIGNED

Les Babayak

TITLE

Production Analyst

DATE

9/26/02

*(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
Empire Yeso	3992	4323		Yates	808	
				Seven Rivers	1089	
				Queen	1706	
				San Andres	2428	
				Glorietta	3906	



Artesia Fishing Tool Co., Inc.

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

August 27, 2002

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

RE: Navaho Federal #5
2310' FSL & 330' 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
330'	1°	2905'	2°
863'	1°	3404'	2°
1445'	2°	3900'	1 3/4°
1939'	2 3/4°	4446'	2 1/4°
2412'	2°		

Very truly yours,

C. E. LaRue
President

AUG 28 2002

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 27th day of August, 2002.

Notary Public

02-1167

Serving Southeast New Mexico and West Texas Since 1974