

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other in-  
struction on  
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.  
**NMNM-03428**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

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

9. API WELL NO.

**30-025-36325**

10. FIELD AND POOL, OR WILDCAT

**GB/SA-Delaware**

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

**Sec. 31 T17S R32E**

1a. TYPE OF WELL:

OIL  
WELL ☒

GAS  
WELL ☐

DRY ☐

Other

b. TYPE OF COMPLETION:

NEW  
WELL ☐

WORK  
OVER ☐

DEEPEN ☐

PLUG  
BACK ☐

DIFF.  
RESVR. ☐

Other **DHC-3439 effective 5/5/2005**

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 & 2310 FWL**

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR  
PARISH  
**Lea**

13. STATE  
**NM**

15. DATE SPUDDED  
**2/28/2004**

16. DATE T.D. REACHED  
**3/7/2004**

17. DATE COMPL. (Ready to prod.)  
**5/5/2005**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**3870' RKB**

19. ELEV. CASING HEAD  
**3861'**

20. TOTAL DEPTH, MD & TVD  
**4852**

21. PLUG, BACK T.D., MD & TVD  
**4839**

22. IF MULTIPLE COMPL.,  
HOW MANY\* **2**

23. INTERVALS  
DRILLED BY 

ROTARY TOOLS

**Yes**

CABLE TOOLS

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

**4681.5-4754', Delaware 4139.5-4184', GB SA**

25. WAS DIRECTIONAL  
SURVEY MADE

**Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**N/A**

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" H-40	48	824	17.5	700 sx	None
8 5/8" J-55	32	2232	12.25	825 sx	None
5 1/2" J-55	17	4852	7.875	1175 sx	None

29. LINER RECORD

SIZE	T O P (MD)	B O T T O M (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

ACCEPTED FOR RECORD

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

JUL - 9 2005

4681.5-4754', Delaware  
4139.5-4184', GB SA

GARY GOURLEY  
PETROLEUM ENGINEER

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4139.5-4184'	1500 gals 15% NEFE
4139.5-4184'	8,014# Liteprop, 33,180 gals 9.5# brine
4139.5-4184'	90,510# 16/30 sand, 57,009 gals 40# gel

33. PRODUCTION

DATE FIRST PRODUCTION 5/5/2005		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2 x 2 x 24' pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 5/16/2005	HOURS TESTED 24 hours	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL-BBL. 70	GAS-MCF. 100	WATER-BBL. 205	GAS-OIL RATIO 1429
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 70	GAS-MCF. 100	WATER - BBL. 205	OIL GRAVITY - API (CORR.)	

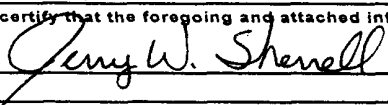
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

**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



TITLE

**Production Clerk**

DATE

**7/1/2005**

\*(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

[illegible]