

**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.
NMNM-118706

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 NOV - 4 2008

2. NAME OF OPERATOR

Mack Energy Corporation

3. ADDRESS AND TELEPHONE NO.

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

(575) 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

OCD-ARTESIA

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Black Cat Federal #4

9. API WELL NO.

30-015-36039

10. FIELD AND POOL, OR WILDCAT

Empire; Yeso

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

Sec. 14 T17S R28E

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED

8/2/2008

16. DATE T.D. REACHED

8/12/2008

17. DATE COMPL. (Ready to prod.)

10/10/2008

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

3632.5' RKB

19. ELEV. CASING HEAD

3615'

20. TOTAL DEPTH, MD & TVD

5,193'

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

4,740'

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)*

3,633-4,682' Empire; 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 |
|-------------------|---------------|----------------|-----------|---------------------------------|---------------|
| 8 5/8, J-55 | 24 | 335' | 12 1/4 | 250sx | None |
| 5 1/2, J-55 | 17 | 5,166' | 7 7/8 | 898sx | None |
| | | | | | |
| | | | | | |

29. LINER RECORD

30. TUBING RECORD

| SIZE | T O P (MD) | BOTTOM (MD) | SACKS CEMENT | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|------------|-------------|--------------|-------------|-------|----------------|-----------------|
| | | | | | 2 7/8 | 4,689' | |
| | | | | | | | |
| | | | | | | | |

31. PERFORATION RECORD (Interval, size and number)

3,663-3,948', .41, 74
4,061-4,243', .41, 50
4,352.5-4,682' .41, 58
CIBP @ 4,775' w/ 35' cmt cap
4,869.5-5,017', .41, 48

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 3,663-5,017' | See C-103 for details |
| | |
| | |
| | |

33. PRODUCTION

DATE FIRST PRODUCTION

10/18/2008

PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)

2 1/2 x 2 x 16' pump

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 |
|---------------------|-----------------|-------------------------|------------------------|----------|--------------|---------------------------|----------------|
| 10/27/2008 | 24 hours | | | 59 | 80 | 190 | 1356 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL-BBL. | GAS-MCF. | WATER - BBL. | OIL GRAVITY - API (CORR.) | |
| | | | 59 | 80 | 190 | | |

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

Jerry W. Sherrill

TITLE

Production Clerk

DATE

10/03/2008

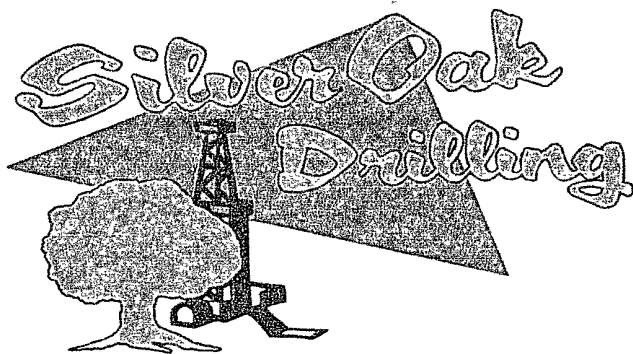
*(See Instructions and spaces for Additional Data on Reverse Side)

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 | 3,633' | 4,682' | | Yates | 589 | |
| | | | | Seven Rivers | 846 | |
| | | | | Queen | 1,396 | |
| | | | | Grayburg | 1,826 | |
| | | | | San Andres | 2,164 | |
| | | | | Glorietta | 3,524 | |
| | | | | Tubb | 4,990 | |



PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

August 21, 2008

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

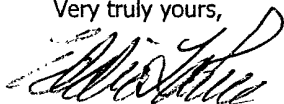
RE: Black Cat Federal #4
2310' FSL & 2310' FWL
Sec. 14, T17S, R28E
Eddy County, New Mexico

Dear Sir,

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


| DEPTH | DEVIATION | DEPTH | DEVIATION |
|---------|-----------|---------|-----------|
| 175.00 | 1.00 | 2749.00 | 0.60 |
| 319.00 | 0.75 | 3096.00 | 0.30 |
| 362.00 | 0.40 | 3346.0 | 0.10 |
| 604.00 | 0.50 | 3668.00 | 0.60 |
| 783.00 | 0.50 | 3985.00 | 0.90 |
| 1029.00 | 0.40 | 4081.00 | 0.90 |
| 1285.00 | 0.10 | 4176.00 | 0.30 |
| 1448.00 | 0.20 | 4363.00 | 0.60 |
| 1666.00 | 0.20 | 4589.00 | 0.70 |
| 1890.00 | 0.50 | 4779.00 | 0.70 |
| 2051.00 | 0.30 | 4965.00 | 0.70 |
| 2269.00 | 0.10 | 5179.00 | 1.10 |
| 2520.00 | 0.20 | | |

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 21st day of August, 2008.


Notary Public

