

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE*
(See other in-
struction on
reverse side)FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 19915. LEASE DESIGNATION AND SERIAL NO.
NMM-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 _____

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

990 FSL & 2310 FWL**SEP - 3 2008**

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 #2

9. API WELL NO.

30-015-36118

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

6/22/2008

16. DATE T.D. REACHED

7/2/2008

17. DATE COMPL. (Ready to prod.)

8/13/2008

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

3637.5' RKB

19. ELEV. CASING HEAD

3620' GR

20. TOTAL DEPTH, MD & TVD

5185'

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

5130'

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)*

3,647-5,028' 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	328'	12 1/4	250sx	None
5 1/2, J-55	17	5,162'	7 7/8	900sx	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	5,031'	4,029'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

**3,647-3,956', .41, 37
4,085-4,321', .41, 17
4,423.5-4,708', .41, 54
4,806-5,028', .41, 56**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3,647-5,028'	See C-103 for details

33. PRODUCTION

DATE FIRST PRODUCTION 9/1/2008		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2 x 2 x 20' pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 9/2/2008	HOURS TESTED 24 hours	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL-BBL. 30	GAS-MCF. 100	WATER-BBL. 500	GAS- OIL RATIO 3333
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 30	GAS-MCF. 100	WATER - BBL. 500	OIL GRAVITY - API (CORR.)	

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. Shendell TITLE Production Clerk DATE 9/2/08

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

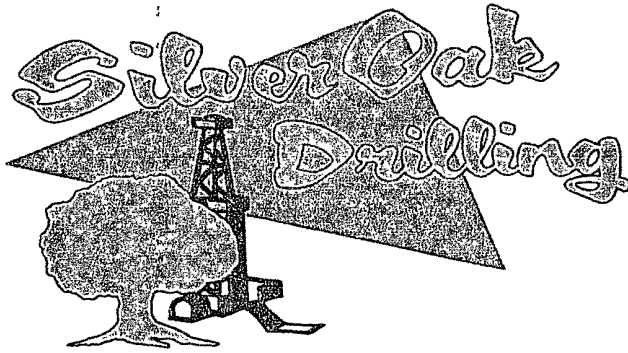
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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	3,647'	5,028'		Yates	598	
				Seven Rivers	856	
				Queen	1408	
				Grayburg	1832	
				San Andres	2160	
				Glorietta	3528	
				Tubb	5002	



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

July 17, 2008

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

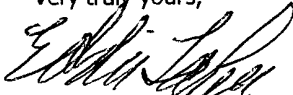
RE: Black Cat Federal #2
990' FSL & 2310' FWL
Sec. 14, T17S, R28E
Eddy County, New Mexico

Dear Sir,

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

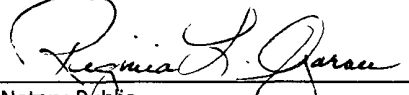
DEPTH	DEVIATION	DEPTH	DEVIATION
197.00	0.75	2655.00	0.80
289.00	1.00	2967.00	0.60
528.00	0.50	3197.00	0.40
911.00	0.50	3540.00	0.40
1102.00	0.40	3735.00	0.40
1353.00	0.50	3989.00	0.40
1544.00	0.30	4306.00	0.30
1794.00	0.50	4592.00	1.30
1957.00	0.40	4687.00	1.00
2174.00	0.40	4941.00	1.10
2398.00	0.60	5155.00	0.40

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 17th day of July, 2008.


Notary Public

