

Form 3160-4  
(October 1990)

OCD-ARTESIA

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  
NM-98171

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 \_\_\_\_\_

7 UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO  
Bears Federal #1

9 API WELL NO.

30-015-35409

10 FIELD AND POOL, OR WILDCAT

Wildcat Abo

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

Sec. 6 T16S R29E

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

2971 FSL & 330 FEL

At top prod. interval reported below AUG 13 2007

At total depth

OCD-ARTESIA

14. PERMIT NO.

DATE ISSUED

12 COUNTY OR PARISH  
Eddy

13 STATE  
NM

15 DATE SPUDDED  
2/24/07

16 DATE T.D. REACHED  
3/22/07

17. DATE COMPL. (Ready to prod.)  
4/20/07

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
3728' RKB

19 ELEV. CASING HEAD  
3711' GR

20 TOTAL DEPTH, MD & TVD  
8000

21. PLUG, BACK T.D., MD & TVD  
7946

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)\*

6938.5-7031', Abo

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, H-40	48	175	17 1/2	703sx	None
8 5/8, J-55	24	1437	12 1/4	700sx	None
5 1/2, L-80	17	7960	7 7/8	325sx	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	7055	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

6938.5-7031', .41, 40

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6938.5-7031', Abo	2500 gals 15% NE
6938.5-7031', Abo	41,990 gals 40# gel, 1000# 100 mesh
6938.5-7031', Abo	30,000# 20/40 sand, 9000# 16/30 sand

33 PRODUCTION

DATE FIRST PRODUCTION 5/2/07 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)

Flowing

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.	OIL GRAVITY - API (CORR)
7/1/07	24 hours		→	28	53	5	1893
FLOW. TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF	WATER-BBL.		
		→	28	53	5	AUG 8 2007	

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

Sold

35 LIST OF ATTACHMENTS

Deviation Survey and 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 7/3/07

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

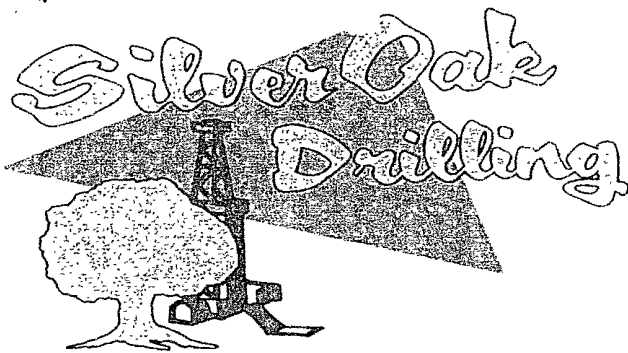
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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 DLPTH
Wildcat Abo	6938.5	7031		Yates	644	
				Seven Rivers	985	
				Queen	1480	
				San Andres	2220	
				Glorietta	3748	
				Tubb	4958	
				Abo	5652	
				Wolfcamp	7058	



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

March 28, 2007

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

RE: Bears Federal #1  
2971' FSL & 330' FEL  
Sec. 6, T16S, R29E  
Eddy County, New Mexico

Dear Sir,

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

DEPTH	DEVIATION	DEPTH	DEVIATION
173'	1/2°	5476'	1/4°
511'	3/45°	5788'	3/4°
696'	1 1/2°	6223'	1 1/2°
833'	1 1/4°	6381'	2 3/4°
1161'	1/2°	6567'	3°
1736'	3/4°	6661'	2 3/4°
2114'	1/2°	6755'	2 1/2°
2425'	3/4°	6817'	2 1/2°
2704'	1°	6909'	3°
3016'	1 1/2°	6973'	2°
3172'	1°	7035'	2°
3452'	3/4°	7096'	2°
3604'	3/4°	7191'	misfire°
3886'	1/4°	7222'	1°
4198'	1°	7378'	3/4°
4416'	1/4°	7500'	1/2°
4635'	1°	7656'	1/2°
4915'	1 1/4°	7812'	1/2°
5193'	3/4°		

Very truly yours,

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 28<sup>th</sup> day of March, 2007.

Notary Public

