

SUBMIT IN \_\_\_\_\_  
LOCATE\*  
(See other in-  
structions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
**NM-044216-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK

OIL  
WELL ☒

GAS  
WELL ☐

Oil Cons.

1b. TYPE OF WELL

NEW  
WELL ☒

WORK  
OVER ☐

DEEPEN ☐

PLUG  
BACK ☐

1980  
Box 1980  
NM 88241

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO

**Rushmore Federal #1**

2. NAME OF OPERATOR

**UMC Petroleum Corporation**

3. ADDRESS AND TELEPHONE NO

**410 17th St., STE 1400, Denver, CO 80202 (303) 573-4721**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface **2250' FSL & 1700' FWL**

At top prod. Interval reported below

At total depth

14. PERMIT NO.  
**041-20884**

DATE ISSUED  
**12/2/97**

12. COUNTY OR PARISH  
**Roosevelt**

13. STATE  
**NM**

15. DATE SPUDDED  
**12/10/97**

16. DATE T.D. REACHED  
**2/2/98**

17. DATE COMPL. (Ready to prod.)  
**3/17/98**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**GR 3994'**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

**11,750' MD**

TVD

**4995'**

MD

TVD

**4995'**

MD

TVD

**4995'**

MD

TVD

**4995'**

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**4995'**

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**4995'**

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**4995'**

MD

TVD

**4995'**

MD

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

**San Andres 4930' - 4940' & 4954' - 4963'**

25. WAS DIRECTIONAL SURVEY MADE

**NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**GR Laterlog, BHC, Neutron.**

27. WAS WELL CORED

**No**

23. 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#	428'	17-1/2"	Surf./415 sx Class "C"	None
8-5/8" K-55	32#	4190'	12-1/4"	Surf./1670 sx "C" & 35/65 POZ	None
5-1/2" J-55	15.5#	5200'	7-7/8"	3438' 280 sx "C"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4900'	NA

31. PERFORMANCE RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
4930' - 4940'	4 JSPF	
4954' - 4963'	4 JSPF	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4930' - 4963'	Acid 5000 gals 20% NEFE

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (Producing or shut-in)
4/7/98	Pump/RHBC 2 X 1.5 X 22'	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
4/11/98	24			20	0	60	No Gas

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)
			20		60	NA

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

**No Gas Production**

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 [Signature] TITLE Regulatory Coordinator DATE 4/13/98

\*(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 San Andres Porosity	TOP 4645'	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	MEAS. DEPTH	TRUE VERT. DEPTH