

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

*See other instructions on reverse side

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-0555297

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

CEDAR LAKE FEDERAL

9. WELL NO.

2

10. FIELD AND POOL OR WILDCAT

Querecho Plains - UPPER
BONE SPRINGS

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

23-18S-32E

12. COUNTY OR PARISH
Lea

13. STATE
N. M.

14. PERMIT NO. DATE ISSUED
API #30-025-29790 11/07/86

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 DEEP-EN PLUG BACK DIFF. RENVR. Other _____

2. NAME OF OPERATOR
Mewbourne Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 7698, Tyler, Texas 75711

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL & 1980' FWL
At top prod. interval reported below
At total depth Same

15. DATE SPUDDED 11/10/86 16. DATE T.D. REACHED 12/03/86 17. DATE COMPL. (Ready to prod.) 12/13/86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB 3788', DF 3787', GL 3777' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8700' 21. PLUG, BACK T.D., MD & TVD 8638' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1st Bone Spring Sand - 8435' - 8501'
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Spectral Density Dual Spaced Neutron Log 27. WAS WELL CORED No

29. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5 & 61#	478'	17-1/2"	500 sxs Class C	None
8-5/8"	24#, 28#, 32#	4286'	12-1/4"	1400 sxs Class C	None
5-1/2"	20# & 23#	8708'	7-7/8"	700 sxs Pacesetter & 375 sxs Class H	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	8352'	8352'

31. PERFORATION RECORD (Interval, size and number)

8435-41' & 8460-8501', 1 SPF
48 holes
JAN 7 1987
Jm
CARLSBAD, NEW MEXICO

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8435-8501'	Acidized w/4000 gals 7 1/2% NE FE HCL, fraced w/50,000 gals Mini-Max III-40 & 70,000# 20/40 mesh sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12/13/86		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/14/86	24	20/64"	→	370	301	76	813:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
250	--	→	370	301	76	34.4°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY W. H. Cravey

35. LIST OF ATTACHMENTS

Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Raymond Thompson TITLE Engr. Oprns. Sec. DATE 12/16/86

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

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Yates Sand	3006'	3074'	Sandstone: clear, milky, fine grained, sub-angular, consolidated, friable, good intergranular porosity, strong oil odor, excellent stain, 50% bright yellow fluorescence, excellent yellow cut, excellent yellow residual ring.	Base of Salt Yates	2531'	
Seven Rivers	3195'	3459'	Dolomite: off white, pink, crypto to very fine crystalline, dense to sugrosic, sugrosic w/ some live oil, trace intercrystalline porosity, 30% dull yellow fluorescence, fair cut, fair residual ring, abundant yellow mineral fluorescence.	Seven Rivers	3088'	
				Upper Queen	3908'	
				Penrose	4150'	
				Grayburg	4346'	
				Premier	4654'	
				San Andres	4734'	
Queen	3908'	3944'	Sandstone: gray, very fine grained, sub-angular to angular, consolidated, calcareous matrix, firm; becoming red, clear, some frosted, fine to coarse grained, unconsolidated, subround to well rounded; becoming light gray, very fine grained, subrounded to sub-angular, consolidated, firm to friable, calcareous matrix, tight, becoming clear, red, very fine to fine grained, fair intergranular porosity, some live oil, some gelsonite, 30% bright yellow pinpoint fluorescence, good yellow residual ring.	Bone Spring	6779'	
				1st Bone Spring Sand	8323'	
				2nd Bone Spring Carbonate	8635'	
1st Bone Spring Sand	8340'	8417'	Sandstone: light gray, clear, light brown, very fine grained, subangular to angular, fair sorted, consolidated and unconsolidated friable, fair intergranular porosity, some live oil stain, 30-90% yellow green fluorescence, fair cut, fair residual ring.			

38. GEOLOGIC MARKERS