Form 3160–4
(November 1983)
(formerly 9–330)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-0554244
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Federal "L"
9. WELL NO.: 1
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

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] 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: 660' FSL & 1980' FEL
At top prod. interval reported below
At total depth: Same

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
30-025-29674	4/11/86	Lea	N.M.

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4/22/86	5/16/86	5/24/86	3778.5 KB, 3777.5 DF, 3767 GL	--

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
9050'			→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8474' - 8538' - 1st Bone Spring Sand
25. WAS DIRECTIONAL SURVEY MADE: Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN: SDL-DSN, Guard-MG
27. WAS WELL CORED: No

28. 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"	61#	459'	17-1/2"	400 sxs Class "C"	None
8-5/8"	24# & 32#	4345'	12-1/4"	1700 sxs Lite & Class "C"	None
5-1/2"	17#	9050'	7-7/8"	1050 sxs PSL & 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"	8365'	8365'

31. PERFORATION RECORD (Interval, size and number)
8474-8488', 14', 15 holes;
8507-8514', 7', 8 holes;
8520-8538', 18', 19 holes.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8474'-8538'	4000 gals NE-FE HCL acid, Frac'd w/50,000 gals gelled 2% KCL water + 70,000# 20/40 frac sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
5/25/86	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/29/86	24 hrs.	23/64"		310	385	50	1242:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
250#	--		310	385	50	41°

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

35. LIST OF ATTACHMENTS: Logs

ACCEPTED FOR RECORD
JUN 4 1986
CARLSBAD, NEW MEXICO

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

SIGNED: [signature] TITLE: Engr. Oprns. Secretary DATE: May 29, 1986

*(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.
Queen	3956'	3983'	Clear, w/green accessory mineral, very fine grained, subround, unconsolidated w/some consolidated; becoming, red, some frosted, fine to medium grained, w/some coarse grained, subround, fair sorting, unconsolidated, trace of oil stain, trace bright yellow fluoresence, becoming clear, milky, consolidated w/abundant oil stain and live oil film, very friable, 20% bright yellow fluoresence, some dull yellow fluoresence.
Penrose	4192'	4225'	Sandstone: clear, milky, very fine grained, angular to subangular, fair sorting, consolidated, calcareous matrix, some intergranular porosity, trace to 40% bright yellow even to pinpoint fluoresence, some live oil stain, good yellow cut, good yellow residual ring.
1st Bone Spring Carbonate	7288'	7200'	Sandstone: clear, milky, light oil stain, very fine grained, subangular to round, fair sorting, consolidated and unconsolidated. trace intergranular porosity, rainbow of oil on pit, 80% dull yellow fluoresence, trace wet cut, trace residual ring.
1st Bone Spring Sand	8474'	8538'	Sandstone: very light gray, very light brown, clear, some milky, very fine grained, subangular to subround, fair sorting, friable, clear, trace intergranular porosity, trace oil stain, trace of free oil, 50-70% yellow fluoresence w/bright yellow pinpoint, good yellow cut, good residual ring.

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Base of Salt	2552'	
Yates	2716'	
Seven Rivers	3113'	
Queen	3943'	
Penrose	4189'	
Grayburg	4394'	
Loco Hills	4464'	
Premier	4732'	
San Andres	4816'	
Delaware	5492'	
Bone Springs	6878'	
1st Bone Spring Sand	8354'	
2nd Bone Spring Carbonate	8656'	