

P. C. BOX 1280  
HOBBBS, NEW MEXICO 88240UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Mewbourne Oil Company						5. LEASE DESIGNATION AND SERIAL NO. NM 4609	
3. ADDRESS OF OPERATOR P. O. Box 7698, Tyler, Texas 75711						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 330' FNL & 1980' FEL At top prod. interval reported below At total depth 4310'						7. UNIT AGREEMENT NAME	
14. PERMIT NO.						8. FARM OR LEASE NAME Federal "E"	
DATE ISSUED 5/2/83						9. WELL NO. 6	
15. DATE SPUDDED 6/30/83						10. FIELD AND POOL, OR WILDCAT Querecho Plains - Queen Associated Pool	
16. DATE T.D. REACHED 7/8/83						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 27-18S-32E	
17. DATE COMPL. (Ready to prod.) 8/15/83						12. COUNTY OR PARISH Lea	
18. ELEVATIONS (DF, RSB, RT, GR, ETC.)* KB 3765', DF 3764', GL 3754'						13. STATE N.M.	
20. TOTAL DEPTH, MD & TVD 4310'		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY X	ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Penrose 4135-54' Queen 3879-3918'						25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Acoustic Velocity, Computer Analyzed, Guard Forxo, GR-CCL						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	
8-5/8"	24#	1220'	12-1/4"	360 sx lite 200 sx Class "C"		None	
4-1/2"	10.5#	4310'	7-7/8"	750 sx lite 300 sx Class "C"		None	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3860'	
31. PERFORATION RECORD (Interval, size and number) 4135-40, 4142-54' - 20 holes 3879-85', 3892-96' - 26 holes 1 JSPE				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See Attachment			
33.* PRODUCTION							
DATE FIRST PRODUCTION 7/22/83		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Pumping				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 8/16/83	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL. 80	GAS--MCF. 49	WATER--BBL. 0	GAS-OIL RATIO 612
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL. 80	GAS--MCF. 49	WATER--BBL. 0	OIL GRAVITY-API (CORR.) 38.5	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY ACCEPTED FOR RECORD	
35. LIST OF ATTACHMENTS Treatment of Perforations - Logs as listed above.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data.							
SIGNED <i>Raymond Thompson</i>				TITLE Exploration Secretary		DATE 8/17/83	

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

ROSWELL, NEW MEXICO

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 38, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

RECEIVED

AUG 24 1989

O.C.D.  
HOBBS OFFICE

## 27. SUMMARY OF POROSITY ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTS, FLUORESCENCE TESTS, FLOWING AND SHUT-IN PRESSURES AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	FORM VERT. DEPTH
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Queen

3872

3920

Sandstone-redish brown w/red to yellow grains, very well rounded, very well sorted, spotted fluorescence no show. Sandstone graded into a very light gray sand w/redish tint. Very fine grains, subrounded to rounded, well sorted, friable, slightly calcareous, trace of glauconite, mica, shale, spotted yellow fluorescence, weak initial cut, partial ring out. The Queen Sand drilled from .8 to 2.4 min/ft. and has porosity of 11 - 14% with 35 - 45% water saturation calculation in top 20' (3876'-3896'). Lower 16' (3902-18') has 17 - 22% porosity w/ 23 - 36% wtr saturation calculations. Sandstone-light gray to light tan, very fine grains, clean well sorted, subrounded to rounded grains, spotted fluorescence (5-10%). Good initial cut, very good residual ring out, hydrocarbon odor was very present. Upper 10-12', 15% porosity w/34% wtr saturation calculations. Lower 5-10' has 20% porosity w/26% water saturation calculations.

Base of Salt  
Yates  
Yates Pay Zone  
Seven Rivers  
Top of Queen  
Penrose  
Log TD

2485'  
2666'  
2836'  
3074'  
3872'  
4117'  
4306'

Penrose

4117

4156