

N. M. OIL CONS. COMMISSION

P. O. BOX 1980

ROSWELL, NEW MEXICO 86203

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYForm approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-4609

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "E"

9. WELL NO.

5

10. FIELD AND POOL OR WILDCAT

Querecho Plains - Queen
Associated Pool11. SEC. T., R., M., OR BLOCK AND SURVEY
OR AREA

27-18S-32E

12. COUNTY OR
PARISH

Lea

13. STATE

N.M.

1a. TYPE OF WELL:

OIL

WELL

☒

GAS

WELL

☐

DRY

☐

OTHER

☐

DIST. 6 N. M.

☐

ROSWELL, NEW MEXICO

b. TYPE OF COMPLETION:

NEW

WELL

☒

WORK

OVER

☐

DEEP-

EN

☐

PLUG

BACK

☐

DIFF.

RESVR.

☐

Other

☐

Other

☐

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 2310' FWL and 330' FNL

At top prod. interval reported below 3872'

At total depth 4300'

14. PERMIT NO.

DATE ISSUED

5/2/83

15. DATE STUDDED

5/9/83

16. DATE T.D. REACHED

5/20/83

17. DATE COMPL. (Ready to prod.)

6/30/83

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

KB 3753', DF 3752', GL 3742'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4300'

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

22. IF MULTIPLE COMPL.,

HOW MANY*

23. INTERVALS

DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

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

4130-36' - Penrose

3872-3904' - Queen

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

28. 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#	1210'	12-1/4"	350 sx lite & 200 sx Class "C"	None
4-1/2"	11.6# & 10.5#	4300'	7-7/8"	600 sx lite & 300 sx Class "C"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3848'	

31. PERFORATION RECORD (Interval, size and number)

4130-36;; 4140-50' - 18 holes

3872-76', 3880-90', 3898-3904' - 23 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See Attachment

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6/16/83		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/01/83	24		→	51	66	10	1294
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 14-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	51	66	10	38.5	

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

Vented

TEST WITNESSED BY

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 records

SIGNED

TITLE

Exploration Secretary

DATE

7/5/83

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

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. It is to be used for submitting a report on a well which has been completed or is being completed. 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 33, 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. Submit a separate report 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 33. Submit a separate report (page) on this form, adequately identifying for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals 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 10 1983
FEDERAL
HOBBS OFFICE

37. SUMMARY OF POROSITY ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: (CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, TEST LOG, TIME TOOL, OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH		TRUE VERT. DEPTH
					TOP	DEPTH	
Queen	3866'	3911'	Sandstone - redish brown, very fine clear grains, slightly frosted, very well rounded, very well sorted, unconsolidated, some fine grains, no show. Grading into a red clay siltstone, very friable, tight, no show. Bottom is a gray, mica, shaley, very friable tight, trace of glauconite, no show. Sand has 8' of porosity above 10%. Porosity spikes at 18% where it calculates 24% wtr. saturation.	Base of Salt Yates Seven Rivers Top of Queen Log TTD	2477'	2658'	
Penrose	4113'	4152'	Sandstone(Top)-very light gray tint,very fine gr,clear,rounded,well sorted,calcareous matrix, very friable,slightly shaley,very slight trace of glauconite & pyrite,no fluorescence or cut. Sandstone very light brown tint,very fine to silt size grs,clear,rounded,very well sorted,calcareous, very friable,slightly shaley,light brown staining, bright yellow fluorescence,initial & residual ring cut, hydrocarbon odor,light oil scum floating on pit. 8' of this sand is above 10% porosity (4142-50'). It spikes at 18% porosity & calculates 26% wtr saturation at this point. Lower Queen porosity did not develop in this well.				