

UNITED 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.

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.

8

10. FIELD AND POOL, OR WILDCAT

Querecho Plains-Queen
Associated

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

27-18S-32E

12. COUNTY OR
PARISH

Lea

13. STATE

N.M.

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. 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 1650' FNL & 660' FEL

At top prod. interval reported below

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 1/12/84 16. DATE T.D. REACHED 1/20/84 17. DATE COMPL. (Ready to prod.) 2/23/84 18. ELEVATIONS (DF, RNB, RT, GR, ETC.)* KB 3762', DF 3760.5', GL 3752' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4325' 21. PLUG, BACK T.D., MD & TVD 4282' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS

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

Penrose 4170-98' & Queen 3934-68'

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray-Acoustic, Guard-Forxo

27. WAS WELL CORRED

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#	1212'	12-1/2"	400 sxs FSL & 200 sxs Class "C"	None
4-1/2"	10.5#	4325'	7-7/8"	700 sxs Pacesetter lite & 300 sxs Class "C" neat	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4232'	

31. PERFORATION RECORD (Interval, size and number)

Penrose - 4170-98' & Queen - 3934-68'

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)	
2/25/84		PUMPING				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2/28/84	24 hrs	--	→	18	14	70	777:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
---	25#	→	18	14	70	38.5	

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

Sold

PETER W. HENDERSON

TEST WITNESSED BY
Herman Cravey

35. LIST OF ATTACHMENTS

Logs - Treatment of Perforations

APR 9 1984

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

3/26/84

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 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. **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 33. 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.)

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, CUSHION USE, TIME TOOL OPEN, FLOWING AND SHUT IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
					MEAS. DEPTH	TOP
Yates	2816'	2856'	Sandstone: brown-gray, very fine grained, consolidated, friable to hard, in part w/calcareous matrix, trace glauconite, no visual show. Porosities 15-29% in spikes w/wtr sat 22-30%.	Base of Salt	2534'	Sub-Sea
	2886'	2894'	Anhy w/tr red very fine grained sdstone, consolidated, no visual show. Porosities 11-12.5% in spikes w/wtr sat 33-36%	Top Yates	2716'	+1228'
				Yates Pay Zone	2886'	+1046'
				Top Seven Rivers	3114'	+ 886'
				Top Queen	3927'	+ 648'
Seven Rivers	3114'	3230'	Dolomite: crm-tan-brn, microcrystalline, dense, sm1 very fine crystalline, med hd, pinpoint stain, some fractures w/stain, some vugs, brt gold fluor, gd initial cut, gd residual ring. Poro 13-17% w/wtr sat 18-26%.	Top Penrose	4166'	- 165'
	3934'	3950'	Sdstone: clr-red-red tinted, very fine grained, frosted well rounded coarse grains, no visual show. Poro 11.5-13% w/wtr sat 34-36%.			- 404'
	3954'	3968'	Sdstone: mostly clear to gray, some red, very fine grained consolidated, friable, trace brn stain, trace brt yel fluor, trace initial cut, trace residual ring. Poro 7-8.25% in spikes w/wtr sat 40-55%.			
	4166'	4198'	Sdstone: clear gray, very fine grained consolidated and unconsolidated, subrounded to rounded, yel fluor, trace initial cut, trace residual ring. Porosities 4-8% in spikes w/wtr sat 41-66%.			

RECEIVED
APR 12 1984
O.C.D.
HOBBS OFFICE
Queen Penrose