

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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

NM086

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Superior - Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Pearl Queen

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

Sec. 25, T-19-S, R-34-E

12. COUNTY OR
PARISH
Lee13. STATE
New Mexico1a. 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

D. W. St. Clair

3. ADDRESS OF OPERATOR

501 First National Bank Building, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1780' FNL, 1980' FWL, Sec. 25, T-19-S, R-34-E,

At top prod. interval reported below Lee County, New Mexico

At total depth

within 117'

within 120'

14. PERMIT NO.

DATE ISSUED

4-15-64

15. DATE SPUDDED

4-20-64

16. DATE T.D. REACHED

5-2-64

17. DATE COMPL. (Ready to prod.)

10-25-64 completion

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

3771' KB

19. ELEV. CASINGHEAD

3762'

20. TOTAL DEPTH, MD & TVD

5150

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

5121

22. IF MULTIPLE COMPL.
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

Added Perforations 4925, 4926

Original Perforations 5042, 5044, 5057, 5059 - Now Producing together

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Schlumberger - Sonic, LL, MII, MDP

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"	28#	211'	11"	125 sz circulated	0
5 1/2"	15.5# & 17#	5150'	7 7/8"	270 sz 50 - 50 Lite Poz	0
				Top of cement 2900'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5050	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

4925 - 4926 - workover

2 - Jet shots - .28" Holes

Previous Perf. - 5042, 5044, 5057, 5059

4 - Jet shots - .46" Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4925, 4926	500 Gal. 7 1/2% BDA Acid

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-3-64		Pump 2" x 1 1/4" x 12' Bottom Hold Down				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-5-64	24	2"	—————→	41	21	36	512
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-----	30#	—————→	41	21	36	35	

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

Vent

TEST WITNESSED BY

Joe McKinney

35. LIST OF ATTACHMENTS

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

SIGNED

George Van Huse

TITLE

Geol

DATE 11-23-64

*(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, 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 25*.

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 names(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.)

57. SUMMARY OF LOGGING ZONES.		SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF (GIVE INTERVALS, AND ALL PRESENT AND PAST IDENTIFYING DEPTH INTERVAL TESTED, CISION USED, TIME TOOL RUN, FLOWING AND SHUT IN PRESSURES, AND REG. VALUES)				GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Sidewall Core Sand	4040		Show Oil	Anhydrite	1305		
	4026		"	Salt	1934		
	4927		" & Water	Yates	3491		
	5043		Show Oil	Queen	4679		
	5050			Petroleum	4960		