

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-17807

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Marshall Federal9. WELL NO.
110. FIELD AND POOL OR WILDCAT
Undesignated11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
Sec. 23, T-18S, R-32E12. COUNTY OR
PARISH **Lea** 13. STATE
New Mexico

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

John H. Hill

3. ADDRESS OF OPERATOR

1411 West Avenue, Suite 100, Austin, Texas 78701

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

At surface **660' from South line, 1980' from West line**

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
6-12-7315. DATE SPUDDED **6-15-73** 16. DATE T.D. REACHED **6-25-73** 17. DATE COMPL. (Ready to prod.) **7-24-73** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **3770 Gr., 3781 KB** 19. ELEV. CASINGHEAD **3771**20. TOTAL DEPTH, MD & TVD **4250** 21. PLUG BACK T.D., MD & TVD **4211** 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY **0-4250** ROTARY TOOLS CABLE TOOLS

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

4176-4190 Penrose Sand25. WAS DIRECTIONAL
SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray, Acoustic, Laterlog27. 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	514	12-1/4	290 sks Class H, 2% gel	None
4-1/2	10.50	4238	7-7/8	100 sks neat, 2% C.C.	
				300 sks 50-50 poz & 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	4164	

31. PERFORATION RECORD (Interval, size and number)

4176-4190, 0.40", 14 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4176-4190	1000 gals 15% acid, 40,000# sand, 34,000 gals gelled fresh water

33.* PRODUCTION

DATE FIRST PRODUCTION 7-13-73		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 7-24-73	HOURS TESTED 16	CHOKE SIZE 16/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 56	GAS—MCF. 74	WATER—BBL. 0	GAS-OIL RATIO 1320:1
FLOW. TUBING PRESS. 150	CASING PRESSURE 475	CALCULATED 24-HOUR RATE →	OIL—BBL. 84	GAS—MCF. 111	WATER—BBL. 0	OIL GRAVITY-API (CORR.) 35.6°	

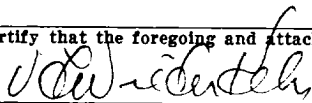
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VentedTEST WITNESSED BY
Clarence Forlister

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



TITLE

Superintendent

DATE

7-24-73

*(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 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 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Queen	3914		DST #1 3908-3988 (corrected to log depths) 15 Min. preflow, 1 hr. ISI, 1 hr. flow, 1-1/2 hr. FSI; preflow 63-84#, ISI 295#, IF 95#, FF 126#, FSI 189#, recovered 90' mud.	Anhydrite Salt Base Salt Yates Seven Rivers Queen Penrose Porosity	1144 1262 2536 2710 2920 3914 4176	
Penrose	4176		DST #2 4160-4240 (corrected to log depths) 15 Min. preflow, 1 hr. ISI, 1 hr. flow, 1-1/2 hr. FSI; preflow 45-68#, ISI 1600#, IF 45#, FF 136#, FSI 1577#, recovered 100' free oil, 100' oil & gas cut mud.			