

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other
instruction
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"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-18264	
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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Warrior, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 206 No. Main, Midland, Texas 79701		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations) At surface 990' FNL & 330' FEL At top prod. interval reported below 990' FNL & 330' FEL At total depth 990' FNL & 330' FEL		9. WELL NO. 12	
14. PERMIT NO.		DATE ISSUED 11-8-77	
15. DATE SPUDDED 12-12-77		16. DATE T.D. REACHED 12-21-77	
17. DATE COMPL. (Ready to prod.) 3-17-78		18. ELEVATIONS (DF, R&B, RT, GR, ETC.) * KB 3591'; GL 3581'	
19. ELEV. CASING HEAD 3581		20. TOTAL DEPTH, MD & TVD 4123 MD	
21. PLUG, BACK T.D., MD & TVD 4102 MD		22. IF MULTIPLE COMPL., HOW MANY * None	
23. INTERVALS DRILLED BY 0-4123		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) * 4036-4123 (Penrose) MD and 4031-4118' TVD	
25. WAS DIRECTIONAL SURVEY MADE Yes		26. TYPE ELECTRIC AND OTHER LOGS RUN Forxo-Guard; Compensated Acoustic Velocity & GR/N	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE 8-5/8"		WEIGHT, LB./FT. 28#	
DEPTH SET (MD) 334		HOLE SIZE 12-1/4"	
CEMENTING RECORD 250 sx. C1 C w/2% CC		AMOUNT PULLED None	
4-1/2"		10.5#	
4122		7-7/8"	
700 sx. lite poz 15.5		None	
# / salt sx + 1/4# flo-seal			
+ 450 sx. C1 C w/9# sx salt			
29. LINER RECORD		30. TUBING RECORD	
SIZE None		TOP (MD) None	
BOTTOM (MD) None		SACKS CEMENT * None	
SCREEN (MD) None		SIZE 2-3/8"	
DEPTH SET (MD) None		PACKER SET (MD) No	
31. PERFORATION RECORD (Interval, size and number) 10 holes at 3988, 82, 76, 66, 62, 3903, 3896, 3887, 3879, 3867 (Stuart) 7 holes at 4041, 61, 65, 67, 69, 4100 and 4109 (Penrose)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 3988-3867 4041-4109 AMOUNT AND KIND OF MATERIAL USED 2500 gal. 15% NE Acid F/ 40,000 gal. Versagel w/50500# sd. 2000 gal. 15% NE Acid Frac w/ 35500# sd. + 30000 gal Versagel	
33.* PRODUCTION DATE FIRST PRODUCTION 3-17-78 PUMP METHOD (Flowing, gas lift, pumping—size and type of pump) Pump RWTC 2" x 1-1/2" x 12 WELL STATUS (Producing or shut-in) Producing		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vent	
DATE OF TEST 3-15-78 HOURS TESTED 24 CHOKE SIZE -- PROD'N. FOR TEST PERIOD -- OIL—BBL. 8 GAS—MCF. 10 WATER—BBL. 2 GAS-OIL RATIO 1250		35. LIST OF ATTACHMENTS Velocity Log Inclination report, Forxo-Guard Log, Radioactivity Log & Compensated Acoustic	
FLOW. TUBING PRESS. -- CASING PRESSURE 5# CALCULATED 24-HOUR RATE -- OIL—BBL. 8 GAS—MCF. 10 WATER—BBL. 2 OIL GRAVITY-API (CORR.) --		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <i>J. A. Freeman</i>		TITLE Petroleum Engineer	
DATE 4/3/78			

*(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, CURTISON USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
T. Yates	3003 (+588)	3147	Sandy Dolomite, light gray
1st. 7 Rivers	3324 (+267)	3698	Dolomite, gray, dense
2nd. 7 Rivers	3698 (-107)	3862	Sand, light gray and friable
T. Stuart Queen	3862	3905	Dolomite, tan to brown w/good oil stain; porosity
L. Stuart	(-271)	4036	Dolomite, tan to brown with good oil stain, porosity
T. Penrose	3905 (-314)	4036	Sandy dolomite fair porosity with good stain and fluorescence
	4036 (-445)	4109	

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Yates	3003	2953
1st. 7 Rivers	3324	3263
2nd. 7 Rivers	3698	3623
Stuart (Queen)	3905	3825
Penrose	4036	3946

APPROVED FOR FILING

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