

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-0347394	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF RESER ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Fred G. Yates, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Sunwest Centre, Suite 919, Roswell, N.M. 88201		8. PART OR LEASE NAME South Tomahawk Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 330' FNL & 1650' FWL At top prod interval reported below At total depth		9. WELL NO. 2	
14. PERMIT NO.		10. FIELD AND POOL OR WILDCAT Tomahawk San Andres	
DATE ISSUED		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Sec 6, T-8S, R-32E	
15. DATE SPUDDED 5/1/84		12. COUNTY OR PARISH Chaves	
16. DATE T.D. REACHED 5/9/84		13. STATE N.M.	
17. DATE COMPL. (Ready to prod) 5/25/84		18. ELEVATIONS (DF, RNB, RT, GR, ET, etc.) 4456' TKB	
19. ELEV. CASINGHEAD 4446'		20. TOTAL DEPTH, MD & TVD 4299'	
21. PLUG. BACK T.D., MD & TVD 4257'		22. IF MULTIPLE COMPL. HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS 0-4299'		24. PRODUCING INTERVAL(S) OF THIS COMPLETION TOP, BOTTOM, NAME (MD AND TVD)* San Andres P1 4066-84' Upper San Andres P2 4120-63' Upper & Middle	
25. TYPE ELECTRIC AND OTHER LOGS RUN Density, Neutron, Gamma Ray, Dual Laterolog, Micro-Laterolog		26. WAS DIRECTIONAL SURVEY MADE NO	
27. WAS WELL CORED NO		28. CASING RECORD (Report all strings set in well)	
Casing Size		Weight, lb/ft	
8 5/8"		24#	
4 1/2"		9.5#	
Depth Set (MD)		Hole Size	
1725'		12 1/4"	
4299'		7 7/8"	
Cementing Record		Amount Pulled	
425 sxs lite & 200 sxs Class 'C'		NONE	
300 sxs 50/50 pozz & Class 'C'		NONE	
29. LINER RECORD		30. TUBING RECORD	
Size		Size	
Top (MD)		Depth Set (MD)	
Bottom (MD)		Packer Set (MD)	
Sacks Cement*		Screen (MD)	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4066-74' & 4078-84' 2/ft 30 total 0.40"		Depth Interval (MD)	
4120-22', 4127-38', 4144-46', 4150-58' and 4161-63' 1/ft 30 total 0.40"		Amount and Kind of Material Used	
		4066-84' 2500 gals 20% HCL	
		4120-63' 4000 gals 20% HCL	
		4066-4163' 8000 gals 20% HCL	
33.* PRODUCTION		34. TEST WITNESSED BY	
Date First Production 5/15/84		Gene Poteet	
Production Method (Flowing, gas lift, pumping—size and type of pump) Swabbing		Well Status (Producing or shut-in) Producing	
Date of Test 5/30/84		Hours Tested 24	
Choke Size 1 1/2 bore RH		Prod'n. for Test Period Pump	
Oil—BBL. 31		Gas—MCF TSTM	
Water—BBL. 95		Gas-Oil Ratio not calculable	
Flow. Tubing Press. pump		Casing Pressure 12#	
Calculated 24-Hour Rate 31		Oil Gravity-API (CORR.) 23.6	
35. LIST OF ATTACHMENTS Deviation Survey		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED John R. McMinn, Engineer		DATE May 31, 1984	

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

38. 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)

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	4066'	4074'	Dolomite, finely crystalline small vugular spaces	Anhydrite	1690'	
San Andres	4078'	4084'	SAME AS ABOVE	Salt	1737'	
San Andres	4120'	4122'	Dolomite, finely crystalline, pin point porosity, oil stained	Yates	2168'	
San Andres	4127'	4138'	Dolomite, finely crystalline, sucrosic	San Andres	3024'	
San Andres	4144'	4146'	Dolomite, finely crystalline, sucrosic, same fracture	P1 marker	3887'	
San Andres	4150'	4158'	Dolomite, finely crystalline, sucrosic	P1	4038'	
San Andres	4161'	4163'	Dolomite, finley crystalline, sucrosic	P2	4116'	
				P3	4226'	
				TD log	4299'	

RECEIVED BY

JUN 13 1984

O. C. D.
ARTESIA, OFFICE

RECEIVED

JUN 14 1984

O.C.D.
FOGGS OFFICE