

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS. COMMISSION  
Submit in Trip  
(Other instruction  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Fred G. Yates, Inc.	8. NAME OF LEASE NAME South Tomahawk Federal
3. ADDRESS OF OPERATOR Sunwest Centre, Suite 919, Roswell, New Mexico 88210	9. WELL NO. 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below) At surface 330' FNL & 1650' FWL	10. FIELD AND POOL, OR WILDCAT Tomahawk San Andres
14. PERMIT NO.	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 6, T-8S, R-32E
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 4456' TKB	12. COUNTY OR PARISH Chaves
	13. STATE N.M.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	WELL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRAC TREATMENT	MULTIPLE COMPLETION	FRAC TREATMENT	ALTERING CASING
SHUTTING IN / ACIDIZING	ABANDON*	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT*
REPAIR WORK	CHANGE PLANS	(Other)	

17. DESCRIBE PRODUCTION OR COMPLETION OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

5/15/84 MIRU PU; NU tbg head and BOP. Ran GR-Casing Collar log. Perf San Andres P1 zones at 4066' - 4074'/17 shots and 4078 - 4084'/13 shots. PU 2 3/8" tubing. Bottom of tail pipe 4245'. PBTB by tbg talley 4260'.

5/16/84 Acid Job #1 - San Andres P1 zone perfs: 4066' - 4074' 2 shots/ft plus 1 shot = 17 shots; 4078' - 4084' 2 shots/ft. plus 1 shot = 13 shots; making a total of 30 shots. Treated w/2500 gals 20% NEFE. Spotted acid across perfs, reset pkr w/tail pipe at 4050' and top of PSN 4010'. Formation started treating at 1100 psig. Treated at average 3.1 BPM at 1500# - Max 1700#. ISIP 1200, 5" SIP 1000, 10" SIP 900. Dropped 40 7/8" RCN ball sealers. Total LTR 80 bbls. Job complete at 10:am 5/15/84. Flowed & swbd estimated measured total volume fluids - 57 bbls; 5 bbls crude. Left to recover 23 bbls load water.

5/17/84 Total swabbed 6 BO, 14 bbls load water. Perf in P2 zone; 4120' - 4122'/3 shots, 4127' - 4138'/12 shots, 4144' - 4146'/3 shots, 4150' - 4158'/9 shots, 4161'-4163' 3 shots; 30 shots total.

5/18/84 Set pkr at 4096'. Acid Job #2 - P2 pers 4120' - 4163'. Acidized w/4000 gals 20% NEFE HCl acid. Formation started feeding at 1200 psig. Completed acid job using 50 - 7/8" RC nylon ball sealers. Gradually increased rate to 5 BPM at 2000#. Had 20 balls at perfs, pressure increased 100# to 2100#, after 25 balls increased 100# to 2200#, after 35 balls increased 200# to 2400#, after 40 balls, balled out. Flowed balls off perfs - job completed. Recovered 55 bbls load fluid in test tank. Lack 81 bbls fld; 2 bbls new oil, cut average 5% oil.

CONTINUED

SIGNED John R. McMinn TITLE John R. McMinn, Engineer DATE May 28, 1984

This space for Federal or State use

APPROVED BY PETER W. CHESTER TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY  
JUN 12 1984

\*See Instructions on Reverse Side

RECEIVED  
JUN 14 1984  
O.C.D.  
HOBBS OFFICE

ATTACHMENT/Acidizing

Sundry Notices and Reports on Wells

Fred G. Yates, Inc.

South Tomahawk Federal #2

NM-0347394

May 28, 1984

5/21/84 Swabbing Acid Job #2 pkr at 4047' (P1 & P2 zones) Swbd 70 bbls load water - lack 11 bbls load water, 4 bbls oil. Last 3 hours fluid level 3200' - making 2 bbls fluid per hour - 5% oil.

5/22/84 Swabbed 14 bbls fluid; 1 bbl oil and 13 bbls water. Acid Job #3 with both P1 & P2 perfs open - 4066' to 4163'. Acidized well with 8000 gals 20% with total of 950# of salt in 5 block stages. Total load 233.0 bbls. Job complete at 10:am, 5/21/84. Recovered load 58 bbls, load remaining 175 bbls. 1 bbl oil. Final fluid level 2400' from surface.

5/23/84 Swabbed 89 bbls fluid (4 bbls oil and 85 bbls water), lack 90 bbls load equivalent.

5/24/84 Swabbed 11 hours. Recovered 73 bbls fluid total; 68 bbls water (lack 22 BLW equivalent), 5 bbls oil. Days average 7% oil.

5/25/84 swabbed 66 bbls fluid; 12 bbls oil and 54 bbls load water (32 bbls overload equivalent) - 5.8 bbls per hour. Fluid level 3100' from surface. Released packer and round trip tubing w/pumping hookup on tubing. Landed tubing at 4058.70'. ND BOP and NU tubing head.

5/26/84 Tubing landed at 4057.64'. Pump seating nipple 4017.20'. Ran rod insert, 2' x 1 1/2" x 12' pump with 3 cup. Set new Jensen 80B-133 R-54 pumping unit. Started pumping at 6:30 p.m. 5/25/84. Pumped up at 8:p.m.

5/27/84 Motor down, apparently killed on low oil shut off, pumped about 7 hrs and produced 42.7 bbls fluid - no oil.

5/28/84 Zero production - unit down Sunday.

5/29/84 NO REPORT

5/30/84 Pumped 24 hours at 12 x 54" SPM, 1 1/2" bore pump. Produced 126 bbls of fluid; 31 bbls oil and 95 bbls water. Small amount of gas - TSTM. Turned over to pumper.

RECEIVED  
JUN 14 1964  
O.C.D.  
HOBBS OFFICE