🐜 H. M. OL. CONS. COMMISSION			
P.O. BOX 1530	Form approved. Budget Bureau No. 1004-0135		
form 3160 November 1003ES, NEW 1000 OUB OD STATES SUBMIT IN TRIPL TE Formerly 9-331) DEPARTMENT OF THE INTERIOR verse alde)	Expires August 31, 1985 5. LEASE DESIGNATION AND SHELAL NO.		
BURE A OF LAND MANAGEMENT	NM 0347394		
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
(Do not use this for proposis to drill or to deepen or plug back to a different reservoir.	N/A		
OIL CAS WELL OTHER	7. UNIT AGREEMENT NAME N/A		
2. NAME OF OFERATOR	8. FARM OR LEASE NAME		
ried G. Larenz theis	South Tomahawk Federal		
3. ADDRESS OF OPERATES Switz 1010 Desmall NR 00201	9. WELL NO.		
Sunwest Centre, Suite 1010, Roswell, NM 88201 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.			
See also space 17 below.) At surface	10. FIELD AND FOOL, OR WILDCAT Tomahawk San Andres		
1980' FSL & 660' FEL, NESE of 6-8-32, Unit Letter I	11. SHC., T., B., M., OR BLE. AND		
	SURVEY OR AREA		
14. PERNIT NO. 15. REPATIONS (Show whether DE RT (R. etc.)	Sec 6-T8S-R32E		
14. PERNIT NO. 15. ELEVATIONS (Show whether DF, RT, CR, etc.) 4517 GR	12. COUNTY OR PARISH 13. STATE		
	Chaves NM		
16. Check Appropriate Box To Indicate Nature of Notice, Report, or C	Other Data		
NOTICE OF INTENTION TO : SUBSEQU	IBNT EBPORT OF :		
TEST WATER SHUT-OFF PCLL OR ALTER CASING WATER SHUT-OFF	BEPAIRING WELL		
FRACTURE TREAT   MULTIPLE COMPLETE   FRACTURE TREATMENT     SHOOT OR ACIDIZE   ABANDON*   SHOOTING OR ACIDIZING	ALTERING CASING		
REPAIR WELL CHANGE PLANS (Other)	ABANDONMENT <sup>•</sup>		
(Other) (Notz: Report results Completion or Recompl	of multiple completion on Well etion Report and Log form.)		
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, proposed work. If well is directionally drilled, give subsurface locations and measured and true vertices	developed and the second second second		
8/7/85 Prep to move in Pecos Well Service PU to add lower zones to o			
8/12/85 MIRU Pulling Unit. Prep to pull rods & tubing.	completion attempt.		
8/13/85 Pulled rods & tubing. BHP & anchor OK. Perf'd 4217-20' w/ to	otal of 7 shots, 4231-32' w/		
1 SPF, 4243-46' w/ total of 7 shots. RIH w/ 130 its 2-3/8" i	tubing. Baker Model R		
packer & PSN @ 4245'. 8/14/85 To troat parts Phase II and the heading @ (0(5)	100 0 0-0		
8/14/85 To treat new perfs, Phase II, w/pkr hanging @ 4245', spotted pkr up & set same @ 4212'. Acidized w/900 gals (1000 total) s	100 gals 15% NEFE. Pulled		
balled out after 600 gals. Surged back & completed job. Broke	e down @ 800 nsig Averages		
1.6 BPM @ 1385 psig. Min 800, max 2600 on ball out. ISIP 800.	5" 750, 10" 600 15" 500		
Total load to recover 107 bbls. Began swabbing & recovered 75	5 bbls, load, 1 BO. Lack		
33 bbls. load to recover. Prep to re-acidize w/ 2000 gals. 20 quality Nitrogen foam - equivalent 8000 gals.	D% foamed HCL acid w/ 75		
8/15/86 To re-acidize new perfs 4217-46' w/ pck @ 4212, 1000 psig on	casing @ 3's BPM w/ tubing		
creating pressure of 3800 psig w/ 75 quality foam (1500 cu. f	ft/hhl) Nitrogen Dronned		
Jow fock salt down annulus to plug off some loss into upper t	perfs. Dropped 10 7/8" RCN		
ball sealers down tubing $w/\frac{1}{2}$ treatment in tubing. Good ball gradually increased to 1800 psig & tubing pressure after last	action. Casing pressure		
ISTE casing 1400 psig, 5" SITP 2000 & casing 1300. Total los	ad 144 bble including		
annulus. Avg. rate 3 bbls. acid. Flowed back from appulus es	st 40 bble load Total		
10ad 110, lack 34 this job, and 33 first acid job new perfe	Total load remaining		
67 bbls. Starting swabbing, fluid level 800' F.S. Pockets of level 3800'. Still making 5 bbls. fluid/hr. Show of oil.	il & vapor N <sub>2</sub> . Final fluid		
18. I hereby certify that the foregoing is true and correct			
SIGNED MURINE Engineer	7/25/86		
(This space for Federal or State office use)	ACCEPTED FOR RECORD		
APPROVED BY TITLE	PETER W. CHESTER		
CONDITIONS OF APPROVAL, IF ANY:			
	JUL 2 9 1986		
*See Instructions on Reverse Side	UREAU OF LAND MANAGEMENT		
Title 13 I/ S.C. Section 1001 makes it a grime for any sector to the transmission	ROSWELL RESOURCE AREA		

Title 13 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its invidention

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UN ED STATES	SUBMIT IN TRIPI	TE.	Budget Bureau I Expires August	No. 1004-01: 31 1085	
MENT OF THE INTE	RIOR (Other Instructions	- Te	5. LEASE DESIGNATION		
AU OF LAND MANAGEME	ENT		NM 034739	4	
			6. IF INDIAN, ALLOTTER		
ATION FOR PERMIT-" for suc	th proposais.)		N/A		
			7. UNIT AGREEMENT NAME		
OIL X GAS OTHER			N/A		
			. FARM OR LEASE NAME		
			South Tomahawk Federal		
			9. WBLL NO.		
e 1010, Roswell, NM	88201	1	3		
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			Tomahawk San Andres		
			11. SBC., T., B., M., OR BLE. AND SURVEY OR AREA		
Sec 6-8-32, Unit L	etter I	-	11. SBC., T., B., M., OR B SURVEY OR AREA	LE. AND	
Sec 6-8-32, Unit L	etter I	-	11. SPC, T., E., M., OR B SURVET OR AREA Sec 6-T8S-R3		
Sec 6-8-32, Unit L			SURVEY OR AREA	32E	
			Sec 6-T8S-R3	32E	
15. ELEVATIONS (Show whethe 4517' GR	r DF, RT, GR, etc.)		SUBVEY OF AREA Sec 6-T8S-R3 12. COUNTY OF PARISH Chaves	32E   13. STATE	
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15. ELEVATIONS (Show whethe 4517 ' GR ppropriate Box To Indicate NTION TO : PULL OR ALTER CASING	r DF, RT, GR, etc.) e Nature of Notice, Report s water shut-off	, or Ot	SUBVEY OF AREA Sec 6-T8S-R3 12. COUNTY OF PARISH Chaves her Data NT REPORT OF :	B2E	
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	AU OF LAND MANAGEME TICES AND REPORTS MAIN TO A STATION FOR PERMIT-" for successful to a station for the second station station for the second station station for the second station station station for the second station	MENT OF THE INTERIOR verse side) AU OF LAND MANAGEMENT TICES AND REPORTS ON WELLS pais to drill or to deepen or plug back to a different reservoir. ATION FOR PERMIT for such proposals.)	MENT OF THE INTERIOR verse side) AU OF LAND MANAGEMENT TICES AND REPORTS ON WELLS station For PERMIT	MENT OF THE INTERIOR verse side) 5. LEASE DESIGNATION   AU OF LAND MANAGEMENT NM 034739   FILES AND REPORTS ON WELLS 6. 1F INDIAN, ALLOTTER   Mais to drill or to deepen or plug back to a different reservoir. N/A   ATION FOR PERMIT	

Continued:

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- 8/16/85 Well open to pit overnight both tubing & casing: Release packer & RIH to 4255'. Swabbed estimated 20 bbls. load water. Starting fluid level 2700' from surface, swabbed 7 pulld, ending fluid level 3700'. Aggregate remaining load both acid jobs 47 bbls. Landed 2-3/8" resident tubing @ 4167'. Re-ran BHP & 164 rods and extra 6' & 1½" 8' rod subs. Hung on & started pumping @ 7:30 p.m. 8/16/85 @ 9 SPM, 34" stroke.
- 8/31/85 Well has produced 13 bbls. oil since putting on pump last time, and no oil since August 17. Plan to P&A.

18. I hereby certify that the foregoing is true and forrect	C. MEN
	/25/86
(This space for Federal or State office use)    APPROVED BY	
*See Instructions on Reverse Side Title 13 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make the approximentopress	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any dependence of the section 1001, makes it a crime for any person knowingly and willfully to make to any dependence of the section o