STATE OF NEW MEXICO INERGY AND MINER ILS DEPARTMENT

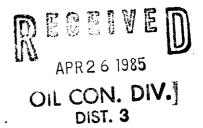
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		l

OIL CONSERVATION DIVISION

Form C-103

DISTRIBUTION	P. O. BOX	. 2088			Revised 19-1-78
SANTA FE	SANTA FE, NEW	MEXICO 87501			
FILE			[5a. Indicate Type o	f Lease
U.S.G.S.				State X	Fee
LAND OFFICE			}	5. State Oil & Gas	Legae No.
OPERATOR				5, Bidle On G 5-5	
SUNDRY	Y NOTICES AND REPORTS ON TO DEEPEN OR PLUG BA	WELLS	.		
USE TAPPEICATE	ON POR PERMIT			7. Unit Agreement	Name
OIL GAS X	OTHER-			8. Farm or Lease I	iame -
Name of Operator					
Tenneco Oil Cor	mpany			Aztec Com 3	
Address of Operator				9. Well No.	
P 0 Box 3249	, Englewood, CO 80155			1	
	; Englehood, of collect			10. Field and Pool	, or Wildcat
Location of Well	1500th	1000		Aztec PC	
UNIT LETTER	1560 FEET FROM THE north	LINE AND	FEET FROM	minin	IIIIIIIII
- · ·					
east	30N	RANGE	NMPM.	VIIIIIII	
THE LINE, SECTION				7777777	<i>HHHH</i>
mmmn	15. Elevation (Show whether	DF, RT, GR, etc.)		12. County	
	5735'			San Juan	<i>(11111111)</i>
	/////Y		0.1	D	
· Check	Appropriate Box To Indicate N	ature of Notice, Kepe	ort or Oth	ler Data	
	TENTION TO:	SUB	SEQUENT	REPORT OF:	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
. 🗂	PLUG AND ABANDON	REMEDIAL WORK		ALTERN	NG CASING
ERFORM REMEDIAL WORK		COMMENCE DRILLING OPNS.		PLUG AN	D ABANDONMENT
EMPORARILY ASANDON	·	CASING TEST AND CEMENT J			
ULL OR ALTER CASING X	CHANGE PLANS	l	- —		
		OTHER			
OTHER		1			
		<u> </u>	a inaludia-	estimated date of s	tarting any propose
Describe Proposed or Completed Or	perations (Clearly state all pertinent det	ails, and give pertinent date	s, including	estimated dose of s	among any property
work) SEE RULE 1103.					

Tenneco requests permission to run a liner and do a foam frac according to the attached detailed procedure.



18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. Sr. Regulatory Analyst 4/23/85 APR 26 1985 Original Signed by FRANK T. CHAVEZ SUPERVISOR DISTRICT 需 3

	LEASE	Aztec Com		
	WELL NO.	3-1		
10-3/4" OD,	LB,	CSG.W/_	80	SX
TOC @				_
<u>5-1/2</u> "OD, <u>14</u>	LB,	J-55 CSG.W/	125	SX
TOC @ 20571		_		

DETAILED PROCEDURE:

- MIRUSU. Blow dn csg and tbg, kill well w/ 2%KCl wtr if necessary.
- Remove WH and install BOPE. POOH laying dn 1" syphon string.
- Remove BOPE and install a Larkin type "K"
- 5-1/2" x 3-1/2" head. Install BOPE. 4. RIH w/ a 4-3/4" bit on 2 3/8" tbg. Tag fill and clean out open hole w/N_2 -foam. POOH w/tbg and bit.
- Run 3 1/2", 9.2#, J-55, NUE tbg with a slotted BP shoe and Omega latch down baffle on bottom. run in hole to 2227', PBTD.
- 6. Displace 3-1/2" tbg ω / wtr and cmt in place ω / 100 sxs of 65-35 cmt w/ 12.5% gel and 12.5#/sx gilsonite, tailed by 80 sxs of Cl "B" cmt w/ 4% gel, 2% $CaCl_2$ and 12.5# /sx gilsonite. Flush lines, drop Omega latch dn baffle and displace w/1 BBl of acetic acid followed w/KCl water. Do not overdisplace, check for flowback and SI. RDMOSU to WO cmt.
- MIRUSU. Cut off 3-1/2" csg stub and install a Larkin Type "R" 4-1/2" x 1-1/4" well head. Install BOPE and PT csg to 3000 psig.
- RIH w/1-1/4" tbg and tag PBTD.
- Circulate hole clean and displace w/2% KCl wtr. POOH w/1-1/4" tbg.
- 10. MIRUWL. Run GR-Neutron log and telecopy results to Denver for perforation identification.
- 11. Perforate the Pictured Cliffs intervals per Denver's instruction using 2-1/8" hollow carrier tbg guns w/4 JSPF 0° phasing, magnetically decentralized.
- 12. Break down the perfs w/2% KCl wtr. Shut down and record the ISIP. Acidize dn csg w/20 gal of 15% wgtd HCl per perforation and 50% excess 1.1 - S.G. RCN Sealer Balls. Pump at max rate w/ max STP 3000 psig.
- 13. Round trip junkbasket on 1-1/4" tbg. Blow dry w/N_2 . POOH.
- 14. Foam fracture the Pictured Cliffs formation using 70% quality N_2 foam and 20# gel in 1% KCl wtr. as follow:

Rate 35 BPM, 3000 psig Max STP

Volume	Prop. Conc.	Cum Prop.
15,000	PAD	0
7,000	.5	3,500
9,000	1	12,500
10,000	1.5	27,500
12,000	2	51,500

Job Totals: 53,000 gal 70% quality foam and 51500# 20/40 sd.

- 15. Shut In for 2 hrs and FTCU overnite.
- 16. RIH w/1-1/4" tbg open-ended and tag fill. CO to PBTD w/N_2 - foam.
- 17. PUH ω / tbg and land at \pm 2170'.
- 18. Kill well, NDBOPE and NUWH.
- 19. Kick well around w/N_2 .
- 20. FTCU
- 21. Test well.

2150' "@ 2184

105'