

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin Dakota				Formation Dakota				County San Juan			
Initial I		Annual		Special		Date of Test 10-5-65					
Company Tenneco Oil Co.				Lease State				Well No. 1			
Unit	Sec. 32	Twp. 30 N	Range 9 W		Purchaser						
Casing 4 1/2	Wt.	I.D.	Set at 6941		Perf. 6648		To 6908				
Tubing 2 3/8	Wt. 4.7	I.D.	Set at 6590		Perf.		To				
Gas Pay:	From	To	L	G .650	GL 4284	Bar. Press. 12.0					
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Dual Gas & Gas						
Date of Completion		Packer 6590			Reservoir Temp. 182						
OBSERVED DATA											
Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps			
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
1.		3/4				2149	70	Perf.		3 hr	
2.						370		Perf.			
3.											
4.											
5.											
FLOW CALCULATIONS											
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia				
1.	12.3650		382	.9905	.9608	1.036	4657				
2.											
3.											
4.											
5.											
PRESSURE CALCULATIONS											
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____						
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____						
F _c 9.402 (1-e ^{-S}) 0.267					P _c 2161 P _c ² 4669921						
No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Q ₁ P _w P _c			
1.	382	145.924	43.785	1917.126	511.873	657.658	4012263	811			
2.											
3.											
4.											
5.											



ABSOLUTE POTENTIAL: **5218** MCFPD; n **.75 (1.1205)**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 1714 - Durango, Colorado** COMPANY _____

AGENT AND TITLE **J. E. Massey**
District Production Engineer