

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

Form C-122
Revised 12-1-55

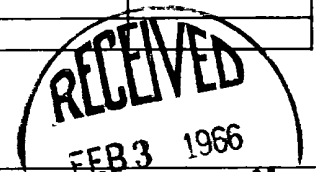
Pool Basin Dakota			Formation Dakota			County San Juan				
Initial X		Annual		Special		Date of Test 1-16-66				
Company Tennessee Oil Co.			Lease Schwerdtfeger A			Well No. 4-5				
Unit 0	Sec. 6	Twp. 27	Range 8		Purchaser					
Casing 4 1/2	Wt.	I.D.	Set at 7565		Perf. 7303		To 7493			
Tubing 2 3/8	Wt.	I.D.	Set at 7502		Perf.		To			
Gas Pay:	From	To	L	G	GL	Bar. Press. 12.0				
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas					
Date of Completion		Packer		Reservoir Temp. 180						
OBSERVED DATA										
Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h.w.	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
	3/4				1867 404	60	2047 980		3 Hr.	
FLOW CALCULATIONS										
Coefficient (24 Hour)	$\sqrt{h_w p_t}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 15.025 psia				
123650		416	1.0000	.9608	1.043	5156				
PRESSURE CALCULATIONS										
G.L. Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____					
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____					
F_c _____ (1-e ^{-S})					P_c 2059 P_c^2 4239481					
No.	$\frac{P_w}{P_t}$ psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$	
1.	992					984064	3255417			
2.										
3.										
4.										
5.										

ABSOLUTE POTENTIAL: **6285** MCFPD; n **.75** (1.2190)

COMPANY **Tennessee Oil Company** WITNESSED _____

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

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



Company TENNECO OIL COMPANY Lease SCHWERDTFEGGER Well No. A-5
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date JANUARY 16, 1966

