

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 1-29-66			
Company Tenneco Oil Co.		Lease Schwerdtfeger A		Well No. 43		
Unit D	Sec. 26	Twp. 27	Range 8	Purchaser		
Casing 4.5	Wt. 9.5 10.5	I.D.	Set at 6747	Perf. 6500	To 6696	
Tubing 2 3/8	Wt. 4.7	I.D.	Set at 6686	Perf.	To	
Gas Pay:	From	To	L	G	GL	
				.650	Bar. Press. 12.0	
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single		
Date of Completion		Packer	Reservoir Temp. 180			

OBSERVED DATA

Tester Through:		Prover <input type="checkbox"/>	Choke <input checked="" type="checkbox"/>	Meter <input type="checkbox"/>	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				1756		1762		
2.						303	60	1004		3 Hr.
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psic	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		315	1,000	.9608	1.032	3858
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Oil 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 **1778** P_c² **3161284**

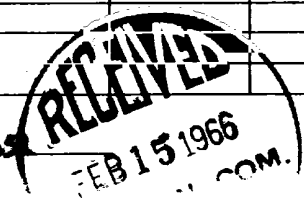
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	1086					1032256	2129028		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5189** MCFPD; n **.75** **1.345**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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





Company TENNECO OIL COMPANY Lease SCHWERTFECER Well No A-3
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date JANUARY 29, 1966

