

**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 3-29-66		
Company Tenneco Oil Co.				Lease Schwerdtfeger A		Well No. 44		
Unit P	Sec. 31	Twp. 28N	Range 8W		Purchaser			
Casing 4.5	Wt.	I.D.	Set at		Perf. 7310		To 7344	
Tubing 2.375	Wt.	I.D.	Set at 6615		Perf.		To	
Gas Pay:	From	To	L	G	GL	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. 186			

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				2205		2218		3 Hr.	
					422	60	1131			

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 P D @ 15,025 psia
1.	12.3650		434	1.000	.9608	1.047	5404
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 _____ (1-e^{-S}) _____ P_c **2230** P_c² **4972900**

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.	1143					1306449	3666451		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **6791** MCFPD; n **.75** **1.2567**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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



RECEIVED

APR 11 1960

**JO OIL COMPANY
DURANGO, COLORADO**

Company TENNECO OIL COMPANY Lease SCHWERDTFEGER Well No A-4
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date MARCH 29, 1966

Status of Well **Shut in 18 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	2205	
2000	2364	0.080
4000	2512	0.074
6000	2653	0.070
6300	2676	0.077
6600	2699	0.077
7327 Mid-Perf	2755	0.077

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

