

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

Form C-122
Revised 12-1-55

Pool <i>Blanco</i>		Formation Pictured Cliffs		County San Juan	
Initial X	Annual	Special	Date of Test 11-2-65		
Company Tenneco Oil Co.		Lease Florance		Well No. 53	
Unit E	Sec. 22	Twp. 30N	Range 9W	Purchaser	
Casing 3.5	Wt. 7.7	I.D.	Set at 2796	Perf. 2685	To 2690
Tubing No	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L .65	G 1745	GL 12.0
Producing Through: X		Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer		Reservoir Temp. 94	

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.	
SI								675		
1.		3/8						290	66	
2.										
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 P D @ 15,025 psia
1.	12.3650		302	.9943	.9608	1.030	3672
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas **OIL CON. CO**
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid **DIST. 3**
 F_c **3.068** (1-e^{-S}) **0.119** P_c **687** P_c² **471969**

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	Cal P _w	P _w /P _c
1.	302	91204	11.266	126.923	15.104	106308	365661		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4561** MCFPD: n **.85 (1.2422)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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