

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

Form C-122
Revised 12-1-55

Pool Undesignated		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.	G.	GL. Bar. Press.
			.65	1745	12.0
Producing Through:		Casing X	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.	
1.		X 3/8 X 3/4						675		
2.								290	66	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	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 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 _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c **3.068** (1-e^{-S}) **0.119** P_c **687** P_e **47196**

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 _{al} P _w	$\frac{P_w}{P_c}$
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