

V MEXICO OIL CONSERVATION COMMISS N
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County Rio Arriba	
Initial X	Annual	Special	Date of Test 11-7-65		
Company Tenneco Oil Co.		Lease Jicarilla A		Well No. 3	
Unit A	Sec. 19	Twp. 26N	Range 5W	Purchaser	
Casing 5.5	Wt. 15.5	I.D.	Set at 7590	Perf. 7227	To 7446
Tubing 2 1/16	Wt. 3.25	I.D.	Set at 7210	Perf.	To
Gas Pay:	From	To	L.	G.	GL.
			7210	.65	1687
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Dual	
Date of Completion		Packer	Reservoir Temp.		
		7210			

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.	
1.	3/4					2270		Pkr.	
2.						349	60	Pkr.	3 hrs
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 PD @ 15.025 psia
1.	12.3650		361	1.000	.9608	1.038	4451
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 **13.239** (1-e^{-S}) **0.289** P_c **2282** P_c² **518521**

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	$\frac{P_w}{P_c}$
1.	361	130321	51566	2659.052	768.466	898.787	1308737	.948
2.								
3.								
4.								
5.								

ABSOLUTE POTENTIAL: **5130** MCFPD: n **.75 (1.1526)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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