

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

Form C-122
Revised 12-1-55

Pool Undesignated Gallup		Formation Gallup		County Rio Arriba	
Initial X		Annual		Date of Test 12-5-65	
Company Tenneco Oil Co.		Lease Jicarilla		Well No. 43	
Unit A	Sec. 19	Twp. 26N	Range 5W	Purchaser	
Casing 5.5	Wt. 15.0	I.D.	Set at 7590	Perf. 6736	To 6740
Tubing 2 1/16	Wt.	I.D.	Set at 6724	Perf.	To
Gas Pay:	From	To	L	G	GL Bar. Press. 12.0
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Dual	
Date of Completion		Packer 7210	Reservoir Temp.		

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.		3/4				1710		1713		3 hr.
2.						197	71	618		
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		209	.9896	.9608	1020	2510
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 **1725** P_c² **2975625**

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.	630					396900	2578725		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2794** MCFPD: n **.75 (1.1133)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

