

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 10-6-65		
Company Tenneco Oil Co.		Lease Flornance		Well No. 2	
Unit	Sec. 20	Twp. 30N	Range 9W	Purchaser	
Casing 4.5	Wt.	I.D.	Set at 7326	Perf. 7051	To 7221
Tubing 2 3/8	Wt. 4.7	I.D.	Set at 6990	Perf.	To
Gas Pay:	From	To	L	G	GL Bar. Press. .650 454 12.0
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Dual Gas - Gas	
Date of Completion		Packer	Reservoir Temp. 192		

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				2132		Flow		3 hr
2.						156	87	Perf.		
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		168	.9750	.9608	1.015	1975
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 **9.402** (1-e^{-S}) **0.282** P_c **2144** P_c² **4596736**

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.	168	28.224	18.569	344.808	97.236	125.460	4471276		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2016** MCFPD; n **.75 (1.0209)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

RECEIVED
OCT 25 1965
OIL CON. COM.
DIST. 3