

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 12-28-65		
Company Tenneco Oil Co.				Lease Ladwick A			Well No. 1	
Unit H	Sec. 19	Twp. 30N	Range 10W		Purchaser			
Casing 4 1/2	Wt.	I.D.	Set at 7363		Perf. 7090		To 7298	
Tubing 2 3/8	Wt.	I.D.	Set at 7000		Perf.		To	
Gas Pay:	From	To	L	G	GL 4550	Bar. Press. 12.0		
Producing Through:			Casing		Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer			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				2246		*		3 Hrs
2.						571	60			
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		583	1.000	.9608	1.066	7382
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 **2258** P_c² **5098564**

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.	583	339,889	69,406	4,817,192	1358448	1698337	3400227	1303	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **10,003** MCFPD; n **.78** **1.3551**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

AGENT AND TITLE **J. E. Massey** **J. E. Massey**

District Production Engineer

A line valve came off. Tubing has restriction at 201

