

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-3-67	
Company Tenneco Oil Co.				Connection		
Pool Pasin Dakota				Formation Dakota		Unit
Completion Date		Total Depth 6945	Plug Back TD 6904	Elevation 5314		Farm or Lease Name State Comm.
Csg. Size 4 1/2	Wt. d	Set At 6944	Perforations: From 6626 To 6824		Well No. D-5	
Tbg. Size 2 3/8	Wt. d	Set At 6819	Perforations: From To		Unit Sec. Twp. Rge. F 32 27 3	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan
Producing Thru TBG.		Reservoir Temp. °F @	Mean Annual Temp. °F		Baro. Press. - P _a 12.0	State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2	≈	3/4				1435	60	1777	706	3 hrs.
2.											
3.											
4.											
5.											

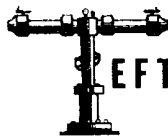
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1.	12.3650		307	1.000	.9608	1.031	3752
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.	Specific Gravity Separator Gas	Specific Gravity Flowing Gas	Critical Pressure P.S.I.A.	Critical Temperature R
1.							XXXXXX	XXXXXX		
2.										
3.										
4.										
5.										

P _c 1739	P _c ² 300521	P _w ² 718	P _w ² 515524	P _c ² - P _w ² 268497	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1920$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1407$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4286$	
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow 4286 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:		
Approved By Commission:	Conducted By:	Calculated By: Neil Tefteller
		Checked By: J. E. Massey

TENNECO OIL COMPANY



EFTELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

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File 2-2159-AOF

Company TENNECO OIL COMPANY Lease STATE COM. Well No. D-5
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date MARCH 3, 1967

