

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 12-20-66	
Company Tenneco Oil Co.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date		Total Depth		Plug Back TD		Elevation 6117	
Farm or Lease Name Storey				Well No. D-1			
Csg. Size 5.5	Wt. 3.1	Id Liner	Set At 6815 7130	Perforations: From 6838 To 7052		Unit Sec. Twp. Rge. M 26 28 8	
Tbg. Size 2.375	Wt.	Id	Set At 6640	Perforations: From To		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		State New Mexico	
Producing Thru TBG		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
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.	
SI							2143		2151	
1.	2	x	3/4				411	60	986	3 hr.
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		423	1.000	.9608	1.044	5243
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		998	996004	3682565	1.2705	1.1967
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ **6274**

RECEIVED
DEC 30 1966
OIL CON. COM.
DIST. 3

Absolute Open Flow 6274 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:		
Approved By Commission:	Conducted By:	Calculated By: Neil Tetteller
		Checked By: J. E. Massey Tenneco Oil Company

