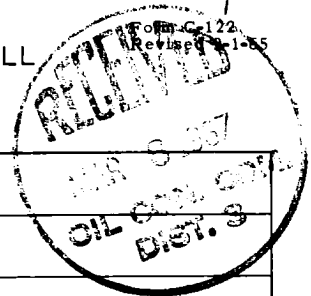


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-19-67					
Company Tenneco Oil Company						Connection					
Pool Basin Dakota						Formation Dakota		Unit			
Completion Date			Total Depth		Plug Back TD 6783		Elevation		Farm or Lease Name Graham Comp		
Csq. Size 4 1/2	Wt.	d	Set At 6819	Perforations: From 6617 To 6777			Well No. 1				
Tbg. Size 2 3/8	Wt.	d	Set At 6752	Perforations: From To			Unit Sec. Twp. Rye. A 9 27N 8W				
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	G _q	% 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	
SI							2006		2019		
1.	2	X	3/4				210	60	589		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		222	1.000	.9608	1.022	2696
2.							
3.							
4.							
5.							

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

P _c 2031	P _c ² 4024961		
NO.	P _t ²	P _w	P _w ²
1		601	361201
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{4024961}{4024961 - 361201} = 1.0989$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0733$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2894$$

Absolute Open Flow 2894 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		

Approved By Commission:	Conducted By:	Calculated By: Neil Tefteller	Checked By: <i>[Signature]</i>
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J. E. Massey
TENNECO OIL COMPANY