

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-20-76			
Company Tenneco Oil Company				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 12-10-76		Total Depth 6040'		Plug Back TD 6040'		Elevation 6407' GL		Farm or Lease Name Canyon	
Cas. Size 5 1/2"	Wt. 15.5#	d	Set At 6039'	Perforations: From 5834' To 5864'		Well No. 2			
Tub. Size 2-3/8"	Wt. 4.7#	d	Set At 5832'	Perforations: From To		Unit Sec. Twp. Rye. I 9 25N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g .705	% 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.	2x6x 75			350		52	350	52	777		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11		362	1.008	1.191	1.053	5034
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	0.59	512	1.300	.902						
2.										
3.										
4.										
5.										

P _c 1926	P _c ² 3709476	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2017$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1477$
1	789	622521	3086955
2			
3			
4			
5			

Absolute Open Flow		5778		Mcf @ 15.025		Angle of Slope θ		Slope, .75	
Remarks:									

Approved By Commission:	Conducted By:	Calculated By: J. D. HICKS	Checked By:
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