

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: 7-16-76	
Company: Caulkins Oil Company				Connection:	
Pool: South Blanco				Formation: Pictured Cliffs	
Completion Date: 7-9-76		Total Depth: 3310		Elevation: 6687	
Farm or Lease Name: Breach "T"		Well No.:			
Csg. Size: 3 1/2	Wt. 9.3	d 2.992	Set At 3310	Perforations: From 3228 To 3278	
Tbg. Size: 1"	Wt. 1.7	d 1.049	Set At 3201	Perforations: From 3201 To	
Type Well -- Single -- Bradenhead -- G.G. or G.O. Multiple				Packer Set At	
Single Gas				County: Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. -- P _a	
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.	
SI	7 Days						1100		1100	
1.							30		320	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure F _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14,1605		42	1.000	1.000	1.000	595
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.										
2.										
3.										
4.										
5.										

P _c 1112	P _c ² 1,236,544	
NO	P _r ²	P _w
1	532	283,024
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ 1.30	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 1.2497
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 744	

Absolute Open Flow 744	Mcf/d @ 15.025	Angle of Slope @	Slope, n 85
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By:	
Checked By:			