

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 8-6-75	
Company Caulkins Oil Company		Connection	
Pool South Blanco		Formation Pictured Cliffs	
Completion Date 7-26-75		Total Depth 3375	Plug Back TD 3369
		Elevation 6127 Gr.	Farm or Lease Name Breech "B"
Csg. Size 4 1/2"	Wt. 105	d 4.052	Set At 3369
Perforations: From 2286 To 2348		Well No. 217	
Tbg. Size 1"	Wt. 1.7	d 1.049	Set At 2244
Perforations: From None To		Unit D 14 26N 7W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G.G. Dual		Packer Set At 3159	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual 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.	
1	7 Days						755		759	
2							40		553	
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	14.1605		52	1.000	1.000	1.000	736
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	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 771	P _c ² 594,441		
NO.	P _t ²	P _w	P _w ²
1		565	319,225
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.16$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1416$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9243$$

Absolute Open Flow	Mcf @ 15.025	Angle of Slope	85
Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	

RECEIVED

AUG 13 1975

OIL CON. COM.

DIST. 3