

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 6-25-76	
Company Caulkins Oil Company				Connection	
Pool South Blanco				Formation Pictured Cliffs	
Completion Date 6-10-76		Total Depth 3330		Plug Back TD 3317	
Elevation 6681		Farm or Lease Name Breech "E"			
Csg. Size 2 7/8	Wt. 6.4	d 2.441	Set At 3317	Perforations: From 3222 To 3262	
Thg. Size 1"	Wt. 1.7	d 1.049	Set At 3170	Perforations: From 3170 To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _a None		County Rio Arriba			
L		H	G _g	% CO ₂	% N ₂
Prover		Meter Run		Taps	
State New Mexico					

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	7 Days						1103		1099		
1.							74		665		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.1605		86	1.000	1.000	1.000	1218
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bnl.			
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 1115	P _c ² 1,243,225		
NO.	P _t	P _w	P _c ² - P _w ²
1		677	458,329
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.58$$

$$AGI = 2 \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.797$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4751$$

Absolute Open Flow 1,797	Mcfd @ 15.025	Angle of Slope θ	Slope, n 85
Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By: