

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 7-15-76		JUL 28 1976 UN. COM. INST. 3			
Company Caulkins Oil Company						Connection					
Pool South Blanco						Formation Pictured Cliffs		Unit			
Completion Date 7-1-76			Total Depth 3225		Plug Back TD 3217		Elevation 6569		Farm or Lease Name Breech E		
Csg. Size 3 1/2	Wt. 9.3	d 2.992	Set At 3217	Perforations: From 3068 To 3120			Well No. 55				
Tbg. Size 1	Wt. 1.7	d 1.049	Set At 3015	Perforations: From 3015 To			Unit D	Sec. 3	Twp. 26N	Rge. 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas						Packer Set At		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F 8		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.	Temp. °F	
SI	7 days						1040		1040		3 hrs.
1.							45		590		
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, F _{py}	Rate of Flow Q, Mcfd
1	14.1605		57	1.000	1.000	1.000	807
2.							
3.							
4.							
5.							

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

NO.	P _i	P _w	P _w ²	P _i ² - P _w ²	(1) $\frac{P_i^2}{P_i^2 - P_w^2} = 1.49$	$\left[\frac{P_i^2}{P_i^2 - P_w^2} \right]^n = 1.4034$
1		602	362,404	744,300		
2.						
3.						
4.						
5.						

$ADP = 2 \left[\frac{P_i^2}{P_i^2 - P_w^2} \right]^n = 1133$			
Absolute Open Flow 1133 Mcfd @ 15.025		Angle of Slope 85	
Slope, n _____			
Remarks: _____			
Approved By Commission:		Conducted By:	
Calculated By:		Checked By:	