

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 6-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-6-75			
Company Caulkins Oil Company						Connection			
Pool Otero-Chacra						Formation Chacra			
Completion Date 7-26-75		Total Depth 3375		Plug Back TD 3369		Elevation 6127 Gr.		Farm or Lease Name Breech "B"	
Csq. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 3369	Perforations: From 3172 To 3222		Well No. 217			
Tbg. Size 1 1/4"	Wt. 2.3	d 1.380	Set At 3159	Perforations: From None To		Unit Sec. Twp. Rge. D 14 26N 7E			
Type Well - Single - Bradenhead - G.G. 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.		Temp. °F
SI	7 Days						1150		PKR		
1.							96		PKR		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, Mcf/d
1	14.1605		108	1.000	1.000	1.000	1529
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
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 1162	P _c ² 1,350,244		
NO.	P _t ²	P _w	P _w ²
1	11,664	460	211,450
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.19$

AGF = 0 $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1741$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1393$

Absolute Open Flow _____ Mcf @ 15.025		RECEIVED AUG 13 1975 M. CON. COM. INST 3	Slope, n 75
Remarks: _____			

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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