

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 10-29-74	
Company Caulkins Oil Company				Connection		
Pool South Blanco				Formation Pictured Cliffs		Unit
Completion Date 10-17-74		Total Depth 3175		Plug Back TD 3175		Elevation 6592 GR.
Farm or Lease Name Breech F						
Csg. Size 3 1/2"	Wt. 9.3#	d 2.992	Set At 3175	Perforations: From 3078 To 3126		Well No. 13
Tbg. Size 1"	Wt. 1.7#	d 1.049	Set At 3135	Perforations: From 3135 To		Unit Soc. Twp. Rge. E 33 27N 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @ 1000		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
						Pipe

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						1000		1010	
1.							81		583	3 hours
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		93	1.000	1.000	1.0000	1,317
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.51$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4194$
1		595	354,025	690,459		
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,869$$

Absolute Open Flow	1,869	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	85
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Remarks:

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