

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

Form O-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-1-77	
Company Caulkins Oil Company		Connection	
Pool South Blanco		Formation Pictured Cliffs	
Completion Date 5-24-77		Total Depth 3152	Plug Back TD 3152
Elevation 6497 Gr.		Farm or Lease Name Breech "F"	
Csg. Size 4 1/2	Wt. 10.5	d 4.000	Set At 3152
Perforations: From 3004 To 3056		Well No. 40	
Tbg. Size 1"	Wt. 1.7	d 1.049	Set At 2973
Perforations: From 2973 To		Unit P	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F a	Mean Annual Temp. °F	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.	
SI	7 days						1068		1068	
1.							58		503	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		70	1.000	1.000	1.000	991
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

P _c	1080	P _c ²	1,166,400
NO.	P _t ²	P _w ²	R _w ²
1	515	265,225	901,175
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2943$$

$$AOF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,234$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2452$$

Absolute Open Flow	1,234	Mcf @ 15.025	Angle of Slope θ	Slope, n
Remarks: This average acreage dedicated to Gas Company of New Mexico				

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