

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

Form C-122
Revised 9-1-55

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-24-76	
Company Caulkins Oil Company				Connection		
Pool South Blanco				Formation Pictured Cliffs		Unit
Completion Date 6-10-76		Total Depth 3310		Plug Back TD 3310		Elevation 6647
Farm or Lease Name State "A"		Well No. 116				
Csg. Size 3 1/2	Wt. 9.3	d 2.992	Set At 3310	Perforations: From 3164 To 3236		Unit P
Thg. Size 1"	Wt. 1.7	d 1.049	Set At 3135	Perforations: From 3135 To		Sec. Twp. Rge. 2 26N-6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		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.	Temp. °F	
1	7 Days						1079		1079		
2							34		410		3 hrs.
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		46	1.000	1.000	1.000	651
2							
3							
4							
5							

NO.	P _r	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 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 1091	P _w 1,190.281		
NO.	P _c ²	P _w ²	P _c ² - P _w ²
1	422	178,084	1,012,197
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.16$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1344$$

$$AGF = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 738$$

Absolute Open Flow	738	Mcf/d @ 15.025	Angle of Slope α	Slope, n	85
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By: