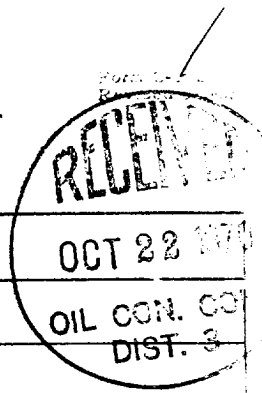


ILLEGIBLE

ICO OIL CONSERVATION COMMISSION
E POINT BACK PRESSURE TEST FOR GAS WELL



Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 10-15-70	
Company Attes Oil & Gas Company		Connection Southern Union Gathering	
Formation Dakota		Unit	
Start Date	Total Depth 7120	Plug Back TD 7086	Elevation 5978 Gr
Perforations: From 6852 To 5978		Well No. #3	
Perforations: From _____ To _____		Unit Sec. Twp. R. G 34 30	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Multiple		Packer Set At 6650	County San Juan
Producing Thru Tubing	Reservoir Temp. *F @	Mean Annual Temp. *F	Baro. Press. - P _a
State New Mexico		Prover	
L	H	G _g	% CO ₂ % N ₂ % H ₂ S
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	
1.	2"		3/4				781		
2.							64		
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Prover (14 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.	19.335		76	1.0000	.9253	1.0000	
2.							
3.							
4.							
5.							

NO.	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cst.
1.				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.				Specific Gravity Separator Gas _____ X X X X X
3.				Specific Gravity Flowing Fluid _____ X X X X X
4.				Critical Pressure _____ P.S.I.A.
5.				Critical Temperature _____ R

NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1143$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0963$
1.	254	64,516	564,332		
2.					
3.					
4.					
5.					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 953$

Absolute Open Flow 953 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission: OCT 22 1970	Conducted By:	Calculated By: <i>[Signature]</i>	Checked By:
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