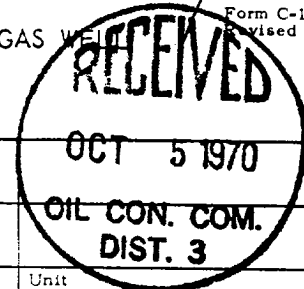


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-29-70			
Company Astec Oil & Gas Company				Connection Southern Union Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 9-22-70		Total Depth 6426		Plug Back TD 6389		Elevation 6063	
Farm or Lease Name Robinson				Well No. #12			
Csg. Size 4 1/2"	Wt. 10.50	d Set At 6423	Perforations: From 6316 To 6332		Unit Sec. Twp. Rge. 11 22 28 13		
Tub. Size 1.500	Wt. 2.90	d Set At 6295	Perforations: From ---- To ----				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	G _g	% 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.	2"		3/4				1084		1084		3 Hrs.
2.							141		903		
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		153	1.0000	.9258	1.0000	1752
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 1,096	P _c ² 1,201,216	
NO.	P _c ²	P _w ²
1.	915	837,225
2.		
3.		
4.		
5.		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.3001$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4289$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4483$$

Absolute Open Flow	4289	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
Remarks:				

Approved By Commission: OCT 5 1970	Conducted By:	Calculated By: <i>[Signature]</i>	Checked By:
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