

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 12-22-70	
Company Antec Oil & Gas Company			Connection Southern Union Gathering		
Well Antec			Formation Pictured Cliffs		Unit
Completion Date 12-15-70		Total Depth 2532		Pack Back TD 2532	Elevation 5968 Gr
Perforations: From 2402 To 2454		Well No. #21		Farm or Lease Name East	
Perforations: From ---- To ----		Unit M		Sec. 25	Twp. 31N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At ----		County San Juan	
Producing Thru Casing		Reservoir Temp. °F a		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a			
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.	
1.	2"		3/4				640		646	
2.							116		92	
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	12.365		104	1.000	.9258	1.0000	1191
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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0393$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0333$
1		128	16,384	416,580		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1231$

Adjusted Theoretical Flow	1231	Mcf/d @ 15.025	Angle of Slope @	Slope, n
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Remarks:

Approved By Commission: DEC 31 1970	Conducted By:	Calculated By:	Checked By:
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