

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: <u>Astec Oil & Gas Company</u>				Connection: <u>Southern Union Gathering</u>		
Prod: <u>Blanco</u>				Formation: <u>Mesaverde</u>		Unit: _____
Completion Date: <u>12-15-70</u>		Total Depth: <u>5050</u>		Plug Back TD: <u>4999</u>		Elevation: <u>6039 Gr</u>
Farm or Lease Name: <u>Sadie West</u>						
Casing Size: <u>3 1/2"</u>	Wt.: <u>7.70#</u>	d: _____	Set At: <u>5049'</u>	Perforations: From <u>4756</u> To <u>4969</u>		Well No.: <u>#1</u>
Tubing Size: <u>1 1/2" EUE</u>	Wt.: <u>2.90#</u>	d: _____	Set At: <u>4794</u>	Perforations: From _____ To _____		Unit: <u>L</u> Sec: <u>21</u> Twp: <u>31N</u> Rge: <u>12W</u>
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: <u>Single</u>				Packer Set At: <u>4000'</u>		County: <u>San Juan</u>
Producing Thru Tubing: _____		Reservoir Temp. *F: _____		Mean Annual Temp. *F: _____		Baro. Press. - P _a : _____
State: <u>New Mexico</u>						
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.	
SI							574		578	
1.	2"		3/4				106		396	
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	12.365		118	1.000	.9258	1.000	1351
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 <u>586</u>	P _c ² <u>343,396</u>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9408$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6443$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	408	166,464	176,932
2			
3			
4			
5			

Absolute Open Flow: <u>2221</u> Mcfd @ 15.025		Angle of Slope θ : _____
Remarks: _____		

Approved By Commission: <u>JAN 6 1971</u>	Conducted By: _____	Calculated By: _____	Checked By: _____
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