

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

Form C-122
Revised 9-1-65

RECEIVED

JUN 25 1970

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-16-70	
Company Astec Oil & Gas Company			Connection Southern Union Gathering		
Pool Undesignated			Formation Pictured Cliffs		Unit
Completion Date 6-9-70		Total Depth 2547	Plug Back TD 2547	Elevation 5753 Gr	Farm or Lease Name Jensen
Csg. Size 4 1/2	Wt. 4.9	d	Set At 2543	Perforations: From 2436 To 2468	Well No. #1
Tbg. Size 1.315	Wt. 1.7	d	Set At 2436	Perforations: From ---- To ----	Unit Sec. Twp. Rge. A 24 31 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----	County San Juan
Producing Thru Casing		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	
SI	2		3/4						926		
1.									178		
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		178	1.0000	.9258	1.0000	2038
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
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 938 P _c ² 879,844				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		190	36100	843,744
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0428$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0363$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2112$

Absolute Open Flow 2112 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: <i>[Signature]</i>	Checked By: