

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 7-29-70	
Company Aztec Oil & Gas			Connection Southern Union Gathering		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 7-22-70		Total Depth 5563'	Plug Back TD 5520'	Elevation 6471 Gr	
Csg. Size 3-1/2 3-1/2 1-1/2 2-3/8	Wt. 14# 7.70# 2.90	d 5275 5006-5560 5411	Perforations: From 4640 To 5492 From --- To ---		Well No. #1 Unit Sec. Twp. Rge. E - 6 - 31N - 11W
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	Gg	% 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							627		627		
1.	2"		3/4"				136		563		3 Hours
2.											
3.											
4.											
5.											

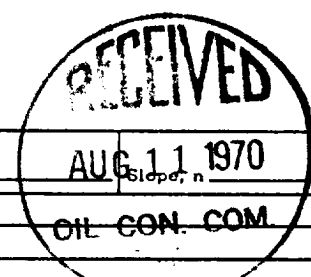
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12,365		136	1.0000	.9258	1.0000	1557
2.							
3.							
4.							
5.							

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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 639 P _c ² 408,321	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 5.2554$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 3.4710$
NO. P _t ² P _w P _w ² P _c ² - R _w ²		
1 575 330,625 77,696		
2		
3		
4		
5		

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 5404$

Absolute Open Flow 5404 Mcfd @ 15.025 Angle of Slope @ _____



Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: <i>Joe C. Salmon</i>	Checked By:
-------------------------	---------------	-------------------------------------	-------------