

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 7-23-70	
Company Aztec Oil & Gas			Connection Southern Union Gathering		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 7-16-70		Total Depth 5300	Plug Back TD 5260	Elevation 6190 Gr	Farm or Lease Name Grenier
Casing Size 3-1/2"	Wt. 40.5#	Set At 4350	Perforations: From 5032 To 5166		Well No. #5
Tubing Size 2-3/8"	Wt. 20#	Set At 5109	Perforations: From ----- To -----		Unit Sec. Twp. Rge. C - 13 - 31N - 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----	
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a San Juan 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				610		610		3 Hrs
2.							165		393		
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		165	1.0000	.9258	1.0000	1889
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 622	P _c ² 386,884	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7360$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5124$
NO.	P _w	P _w ²	P _c ² - P _w ²
1.	405	164,025	222,859
2.			
3.			
4.			
5.			

Absolute Open Flow 2857 Mcfd @ 15.025 Angle of Slope ϕ _____
 Remarks: _____

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