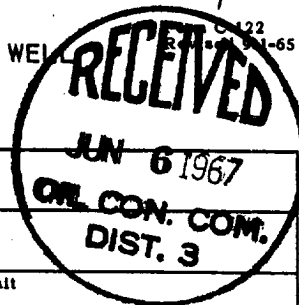


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5/24/67	
Company Aztec Oil and Gas		Connection Southern Union Gas	
Pool Basin		Formation Dakota	
Completion Date 5/15/67		Total Depth 6875	Plug Back TD 6836
Elevation 5856 GR		Farm or Lease Name Grenier "B"	
Csg. Size 4 1/2	Wt. 10.5	Set At 6874	Perforations: From 6241 To 6346
Tbg. Size 2 3/8	Wt. 4.7	Set At 6342	Perforations: From 6342 To open end
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	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	2"		3/4	7 day SI			1708		1704	
1.							353	60(est)	887	60(est)
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		365	1.000	.9258	1.051	4391
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 1716	P _c ² 2,944,656	
NO.	P _t ²	P _w
1	887	786,769
2		2,157,887
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3646$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5543$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2624$

Absolute Open Flow	5543	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				
Approved By Commission:	Conducted By:	Calculated By: <i>Joe O. Salmeron</i>	Checked By:	