

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



Type Test ☒ Initial - ☐ Annual ☐ Special					Test Date <u>5-27-69</u>	
Company <u>Aztec Oil and Gas</u>				Connection <u>Southern Union Gathering</u>		
Pool <u>Blanco</u>				Formation <u>Mesaverde</u>		Unit
Completion Date <u>5-15-69</u>		Total Depth <u>7270</u>		Plug Back TD <u>7265</u>	Elevation <u>6067 Gr</u>	Farm or Lease Name <u>Hubbard</u>
Csg. Size <u>4 1/2</u>	Wt.	d	Set At <u>7265</u>	Perforations: From <u>4826</u> To <u>4914</u>		Well No. <u>4</u>
Tub. Size <u>1.990</u>	Wt. <u>2.75</u>	d <u>1.610</u>	Set At <u>4848</u>	Perforations: From <u>open ended</u> To		Unit <u>M</u> Sec. <u>15</u> Twp. <u>32</u> Rge. <u>12</u>
Type Well - Single - Brodenhead - G.G. or G.O. Multiple <u>GG Dual</u>				Packer Set At <u>7090</u>		County <u>San Juan</u>
Producing Thru <u>tubing</u>		Reservoir Temp. °F		Mean Annual Temp. °F		State <u>New Mexico</u>
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	<u>2"</u>		<u>3/4</u>				<u>934</u>		<u>936</u>		
1.							<u>213</u>		<u>866</u>		
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	<u>12.365</u>		<u>225</u>	<u>1.000</u>	<u>.9258</u>	<u>1.025</u>	<u>2640</u>
2.							
3.							
4.							
5.							

NO.	P _t	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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c <u>948</u>	P _c ² <u>898,704</u>			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	<u>50625</u>		<u>464153</u>	<u>434551</u>
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.0681}{1} = 2.0681$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4553$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.7245}{1} = 1.7245$$

Absolute Open Flow <u>4553</u> Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n _____
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Remarks: _____

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