

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: 6-11-69	
Company: <u>Aztec Oil and Gas</u>			Connection: <u>Southern Union Gathering</u>		
Pool: _____			Formation: <u>Pictured Cliffs</u>		Unit: _____
Completion Date: <u>6-4-69</u>		Total Depth: <u>2605</u>	Plug Back TD: <u>2605</u>	Elevation: <u>6066 Gr</u>	Farm or Lease Name: <u>East</u>
Well Size: <u>4"</u>	Wt. <u>9.5</u>	Set At: <u>2605</u>	Perforations: From <u>2548</u> To <u>2554</u>	Well No. <u>13</u>	
Well Size: <u>4"</u>	Wt. <u>1.7</u>	Set At: <u>2541</u>	Perforations: From <u>open ended</u> To _____	Unit: <u>II</u>	Sec. <u>24</u> Twp. <u>31</u> Rng. <u>12</u>
Type Well - Single - Packerhead - G.G. or G.O. Valveless			Packer Set At: _____	County: <u>San Juan</u>	
Flowing Temp. °F: _____		Well Head Temp. °F: _____	Baro. Press. - P _a : _____	State: <u>New Mexico</u>	
L	H	Gr	% CO ₂	% N ₂	% H ₂ S
Prover	Meter Run		Error		

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.	
1.	2		3/4				683		683	
2.							4		4	
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1.	12.365		16	1.000	.9258	1.004	184
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

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0005$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0004$
1.	256		273	482752		
2.						
3.						
4.						
5.						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 184$

Absolute Open Flow: <u>184</u> Mscf/d @ 15.025	Angle of Slope θ : _____	Slope, n: <u>7</u>
Remarks: _____		

Approved By Commission: _____	Conducted By: _____	Calculated By: <u>P. Delgado</u>	Checked By: _____
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