

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 10-8-68	
Company Aztec Oil and Gas Co.		Connection El Paso Natural Gas	
Pool Basin		Formation Dakota	
Completion Date 9-30-68		Total Depth 7664	Plug Back TD 7620
Elevation 6372 Gr		Farm or Lease Name Vasaly	
Csg. Size 1 1/2"	Wt. d	Set At 7663	Perforations: From 7451 To 7592
Tub. Size 2-3/8"	Wt. d	Set At 7531	From open ended To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single		Pack - Set At	County San Juan
Producing Thru tubing	Reservoir Temp. °F @	Mean Annual Temp. °F	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2		3/4				1826		1826		
1.							217		818		3 hr
2.											
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	12.355		229	1.000	.9258	1.025	2688
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z	Gas Liquor Gravity and Sol. A.P.V. Gravity of Liquid Hydrocarbons	Mcf/bbl. Deg.
1					Specific Gravity Separator	XXXXXX
2					Specific Gravity of Flowing Fluid	XXXXXX
3					Critical Pressure	P.S.I.A.
4					Critical Temperature	P.S.I.A.
5						R

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$P_r^2 = 3379244$ $P_w^2 = 255,555$ $P_r^2 - P_w^2 = 3123689$	$\frac{P_r^2}{P_r^2 - P_w^2} = 1.0813$ $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0607$ $\frac{P_r^2}{P_r^2 - P_w^2} = 2851$
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Absolute Open Flow	2851	Mscf @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				
Approved By Commission:				
Conducted By:		Calculated By:		Checked By:

