

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 6-3-70	
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 5-27-70		Total Depth 8225		Plug Back TD 8210		Elevation 6830 Gr
Csg. Size 4 1/2	Wt. 10.5	d	Set At 8214	Perforations: From 7092 To 8198		Well No. #1
Tbg. Size 2-3/8	Wt. 4.7	d	Set At 8007	Perforations: From ---- To ----		Unit Sec. Twp. Rge. B 12 27 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----		County Rio Arriba
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.	Temp. °F	
SI	2		3/4				1700		1588		
1.							40		354		
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		52	1.0000	.9258	1.0000	595
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	Deq.
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.
5.					Critical Temperature	R

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DIST. 3

P _c 1712	P _c ² 2,930,944	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0479$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0356$
NO.	P _t ²	P _w	P _w ²
1		366	133,956
2			
3			
4			
5			

Absolute Open Flow 616 Mcfd @ 15.025		Angle of Slope °	Slope, n
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: <i>Joe P. Holman</i>	Checked By: