

**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 11-4-70	
Company Aztec Oil & Gas Company			Connection El Paso Natural Gas Company		
Pool Basin			Formation Dakota		Unit
Completion Date 10-29-70		Total Depth 6754'		Plug Back TD 7616'	Elevation 6223 Gr
Farm or Lease Name Hillside					
Csg. Size 5.500	Wt. 14 & 15.5	Set At 6754'	Perforations: From 6550 To 6586		Well No. #1
Tbg. Size 1.500	Wt. 2.90#	Set At 6515'	Perforations: From _____ To _____		Unit Sec. Twp. Rye. J 9 27N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple MULTIPLE			Packer Set At 6515		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							1531			
1.	2"		3/4"				272			
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		284	1.0000	.9258	1.0000	3251
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 _____ X 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 1543	P _c ² 2,380,849	
NO.	P _t ²	P _w ²
1	942	887,364
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.5942$

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 4612$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.4187$

Absolute Open Flow	4612	Mcf @ 15.025	Angle of Slope @
Remarks:			

Approved By Commission: NOV 12 1970	Conducted By:	Calculated By:	Checked By:
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