

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

Form C-122
Revised 9-1-65

RECEIVED

AUG 22 1969

**OIL CON. COM.
DIST. 3**

Type Test ☐ Initial ☐ Annual ☐ Special		Test Date 8-19-69	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool Pictured Cliffs		Unit	
Completion Date 7-24-69	Total Depth 2630	Plug Back TD 2628	Elevation 6094
Form or Lease Name East		Well No. #17	
Csg. Size 4 1/2	Wt. 9.5	Set At 2628	Perforations: From 2554 To 2574
Teg. Size 1"	Wt. 1.7	Set At 2555	Perforations: From Open ended To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At	
Producing Thru	Reservoir Temp. °F 6	Mean Annual Temp. °F	Baro. Press. - P _a
County San Juan		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.	
1	2 x 3/4						687		687	
2							252		9	
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, Mscf/d
1	12,365		21	1,000	.9258	1,000	241
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	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 693	P _c ² 480,249	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1698$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0959$
NO.	P _t ²	P _w	P _w ²
1		264	69,696
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 264$

$AOF = Q$

Absolute Open Flow	264	Mcf/d @ 15.025	Angle of Slope @	Slope, n
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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