NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☐ Initial ☐ Annual ☐ Special			Test Date: 7-29-73	
Company: Aztec Oil & Gas Company		Connection: Southern Union Gathering		
Pool: Blanco		Formation: Mesaverde		Unit
Completion Date: 7-18-73	Total Depth: 5720	Plug Back TD: 5648	Elevation	Farm or Lease Name: Dalsant
Csg. Size: 4-1/2 / Wt.: 10.50 / d / Set At: 5719		Perforations: From 5486 To 5590		Well No.: #1
Tbg. Size: 1-1/2" / Wt.: 2.90 / d / Set At: 5553		Perforations: From To		Unit: A / Sec.: 24 / Twp.: 32N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		1						

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						686		686		7d
1.	2"	3/4				109		606		3 hrs
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		109	1.0000	.9258	1.0000	1248
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 686 P_c^2 470,596

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		606	367,236	103,360
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.5529$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.1167$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,890$

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DIST. 3

Absolute Open Flow 3,890 Mcfd @ 15.025 Angle of Slope θ _____ Slope, Sin θ _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jim A Johnson	