NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [x] Initial [ ] Annual [ ] Special			Test Date: 5-2-69	
Company: Aztec Oil and Gas	Connection: Southern Union Gas			Unit
Pool: Blanco	Formation: Mesaverde			
Completion Date: 4-24-69	Total Depth: 5205	Plug Back TD: 5205	Elevation: 5973 DF	Farm or Lease Name: Harrison
Csg. Size: 4½ / Wt.: 10.5 / d: / Set At: 5205		Perforations: From 4531 To 5060		Well No.: 1
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: / Set At: 5117		Perforations: From open ended To		Unit: N / Sec.: 31 / Twp.: 32 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple		Packer Set At		County: San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
	e			

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

	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						788		789		
1.	2	x 3/4				294		617		
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		306	1.000	.9258	1.032	3632
2.							
3.							
4.							
5.							

NO.	P_r	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 801 P_c^2 641601

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	93636		360670	280931
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2838$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8577$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6747$

Absolute Open Flow 6747 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

RECEIVED
MAY 27 1969
OIL CON. COM.
DIST. 3

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