NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

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

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 8-25-69	
Company: Aztec Oil & Gas Company		Connection: Southern Union Gathering			
Pool: Blanco		Formation: Mesaverde		Unit:	
Completion Date: 8-12-69	Total Depth: 7490	Plug Back TD: 7490	Elevation: 6254 Gr	Farm or Lease Name: Patterson A Com	
Csg. Size: 4½ / Wt.: 9.5 / d: 4.090 / Set At: 7490		Perforations: From 5052 To 5174		Well No.: #1	
Tbg. Size: 1½ / Wt.: 4.7 / d: / Set At: 7260		Perforations: From Opened To		Unit: O / Sec.: 2 / Twp.: 31 / Rge.: 12	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GG Dual		Packer Set At: 7260		County: San Juan	
Producing Thru	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

	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	2	3/4						631		
1.								409		
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		421	1.000	.9636	1.000	5017
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 643 P_c^2 413449

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		468	219024	194425
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1265$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4680$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7.512$

Absolute Open Flow 7.512 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

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