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: 7-13-70	
Company: Aztec Oil & Gas		Connection: Southern Union Gathering			
Pool: Blanco		Formation: Blanco Mesaverde		Unit: F	
Completion Date: 7-6-70	Total Depth: 6264	Plug Back TD: 5252	Elevation: 6287 GR	Farm or Lease Name: Richardson	
Csg. Size: 5½" / 3-1/2	Wt.: 14# / 7.70#	d: 4434-5260	Set At: 5005'	Perforations: From 5090 To 5178	Well No.: #4
Tbg. Size: 1-1/2	Wt.: 2.90#	d:	Set At: 5107	Perforations: From --- To ---	Unit: F; Sec.: 10; Twp.: 31N; Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: ---		County: San Juan
Producing Thru: tubing	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						683		685		
1.	2"	3/4				117		424		
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		117	1.0000	.9258	1.0000	1340
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 695 P_c^2 483,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		436	190,096	292,929
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6489$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4550$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1950$

Absolute Open Flow 1950 Mcfd @ 15.025 Angle of Slope θ _____ Slope _____

Remarks: _____

RECEIVED
JUL 17 1970
OIL CON. COM.
DIST. 3

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	L. Jim O'Dean