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: 5-15-69	
Company: Aztec Oil and Gas			Connection: Southern Union Gas		
Pool:			Formation: Pictured Cliffs		Unit:
Completion Date: 5-6-69	Total Depth: 2515		Plug Back TD: 2515	Elevation: 5961 Gr	Farm or Lease Name: East
Csg. Size: 4½ / Wt.: 4.9 / d: 4.090 / Set At: 2512			Perforations: From 2432 To 2416		Well No.: 12
Tbg. Size: 1.315 / Wt.: 1.7 / d: 1.049 / Set At: 2415			Perforations: From open ended To		Unit: I / Sec.: 25 / Twp.: 31 / Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single			Packer Set At:		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

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2	3/4				691		691		
1.						207		194		3 hr
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		206	1.000	.9258	1.025	2417
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 703 P_c^2 494209

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	42436	212	45253	448956
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1002$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0850$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2958$

Absolute Open Flow 2958 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:
		Jim O Aaron