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 [ ] Annucl [ ] Special				Test Date: 5-2-69	
Company: Aztec Oil and Gas			Connection: Southern Union Gas		
Pool:			Formation: Pictured Cliff		Unit:
Completion Date: 4-26-69	Total Depth: 2780		Plug Back TD: 2777	Elevation: 5986 Gr	Farm or Lease Name: Crandall
Csg. Size: 4½ / Wt.: 9.5 / d: 4.050 / Set At: 2777			Perforations: From 2686 To 2720		Well No.: 3
Tbg. Size: 1.319 / Wt.: 1.7 / d: 1.049 / Set At: 2683			Perforations: From openended To		Unit: O / Sec.: 19 / Twp.: 31 / Rge.: 10
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 / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2	3/4				906		905		
1.						210		190		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		210	1.000	.9258	1.025	2464
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 918 P_c^2 842724

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	44100		50580	792144
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0639$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0540$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2597$

Absolute Open Flow 2597 Mcfd @ 15.025 Angle of Slope θ _____ Slope _____

Remarks: _____

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

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jim C. Coleman	