NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-65

RECEIVED
AUG 21 1970
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8-15-70	
Company: Aztec Oil & Gas Company			Connection: Southern Union Gathering	
Pool: ~~Undesignated~~ Blanco Ext.			Formation: Picture Cliff	Unit:
Completion Date: 8-8-70	Total Depth: 5450'	Plug Back TD: 5380'	Elevation: 6296 Gr	Farm or Lease Name: Grenier
Csg. Size: 3½" / Wt.: 7.70# / d: / Set At: 5420'		Perforations: From 2906 To 2929		Well No.: #4
Tbg. Size: 1½" / Wt.: 2.90# / d: / Set At: 5100'		Perforations: From ---- To ----		Unit: D / Sec.: 7 / Twp.: 31 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual		Packer Set At: ----		County: San Juan
Producing Thru: Casing	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								783		
1.	2	3/4						119		3 Hrs.
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		119	1.0000	.9258	1.0000	1362
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 795 P_c^2 632,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		186	34,596	597,429
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0579$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0412$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1418$

Absolute Open Flow 1418 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jim C Adams	