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: 7-19-77	
Company: Aztec Oil & Gas Company		Connection: Southern Union Gathering		
Pool: Blanco		Formation: Mesaverde		Unit
Completion Date: 7-12-77	Total Depth: 5679'	Plug Back TD: 5573'	Elevation: 6162' GR	Farm or Lease Name: Vanderslice
Csg. Size: 7.000 / 4.500 — Wt.: 20# / 10.50# — d: 6.456 / 4.052 — Set At: 3238 / 2978-5550 — Perforations: From 4500' To 5130'				Well No.: 1-A
Tbg. Size: 2.375 / 1.900 — Wt.: 4.7# / 2.75# — d: 1.995 / 1.610 — Set At: 3060 / 5517 — Perforations: From 5187' To 5541'				Unit: N — Sec.: 19 — Twp.: 32N — Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.		Packer Set At: 3154'		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.2	State: New Mexico
L:	H:	Gg: .700	% CO_2:	% N_2:
% H_2S:	Prover:	Meter Run:	Taps:	

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					781				
1.	2" X 3/4"				225				1 hr
2.					225				2 hrs
3.					222				3 hrs
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		234.2	1.0000	.9258	1.0000	2,681
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	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 793.2 P_c^2 629,166

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		234.2	54,850	574,316
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0955$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0708$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,871$

Absolute Open Flow 2,871 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bob Shindledecker	James Smith	