NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
APR 26 1973
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 4-24-73	
Company: Aztec Oil & Gas Company	Connection: Southern Union Gathering			Unit
Pool: Blanco	Formation: Mesaverde			
Completion Date: 4-14-73	Total Depth: 4850'	Plug Back TD: 4850'	Elevation: 5766 GR	Farm or Lease Name: E. J. Nye
Csg. Size: 4½" / Wt.: 10.5 / d: / Set At: 7029'		Perforations: From 4610 To 4690		Well No.: #2
Tbg. Size: 2⅜" / Wt.: 1.7 / d: / Set At: 4665'		Perforations: From ---- To ----		Unit: M / Sec.: 35 / Twp.: 31N / Rge.: 11W
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 / G_g	% 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						957		957		7
1.	2"	3/4"				225		710		3 Hours
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		225	1.0000	.9253	1.0000	2576
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^2 988,961

NO.	P_w	P_w^2	$P_c^2 - P_w^2$
1.	656	430,336	508,625
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8460$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5120$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3895$

Absolute Open Flow 3895 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission: | Conducted By: | Calculated By: | Checked By: