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: 8-25-73	
Company: Aztec Oil & Gas Company		Connection:		
Pool: Basin		Formation: Dakota		Unit:
Completion Date: 8-13-73	Total Depth: 8707'	Plug Back TD: 8707'	Elevation: 7048 GR	Farm or Lease Name: Reese Mesa
Csg. Size: 7" / 4½"	Wt.: 20# & 23# / 11.60#	d:	Set At: 6529' / 8707'	Perforations: From 8510 To 8662 — Well No.: #4
Tbg. Size: 2-3/8" / 1½"	Wt.: 4.70# / 2.90#	d:	Set At: 8500' / 6191	Perforations: From ---- To ---- — Unit: K, Sec.: 11, Twp.: 32N, Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple		Packer Set At: 8500'		County: San Juan
Producing Thru: Tubing	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						2567				72
1.	2"	3/4				67				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		67	1.0000	.9258	1.0000	767
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 2,567 P_c^2 6,589,489

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0034$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0025$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 769$

Absolute Open Flow 769 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

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