/

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: 9-8-69	
Company: Aztec Oil & Gas Company	Connection: El Paso Natural Gas		
Pool: Basin	Formation: Dakota		Unit
[illegible]	[illegible]: 9218	Plug Back TD: 8680	Elevation: 7095 Gr	Farm or Lease Name: Reese Mesa
[illegible] 4.5	11.6	Set At: 8218	Perforations: From 8540 To 8662	Well No.: #1
[illegible]		Set At: 8600	Perforations: From Opened To	Unit: H Sec.: 12 Twp.: 32 Rge.: 9
[illegible]			Packer Set At: 8500	County: San Juan
			[illegible] Press. – P_a	State: New Mexico
		% N_2	% H_2S	Prover	Meter Run	Taps

No.	[illegible]	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Data Press. p.s.i.g.	Tubing Data Temp. °F	Casing Data Press. p.s.i.g.	Casing Data Temp. °F	Duration of Flow
1.						1710				
2.	2	3/4				163				
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1.	[illegible]		125	1.000	.9258	1.000	1844
2.							
3.							
4.							
5.							

No.	Temp. °R	T_r	Z

Gas Liquid Hydrocarbon Ratio ________ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ________ Deg.
Specific Gravity Separator Gas ________ X X X X X X X X X
Specific Gravity Flowing Fluid ________ X X X X
Critical Pressure ________ P.S.I.A. ________ P.S.I.A.
Critical Temperature ________ R ________ R

P_c [illegible] P_c^2 3025384

No.	P_w	P_w^2	$P_c^2 - P_w^2$
1.	322	973136	2029188
2.			
3.			
4.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4676$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4940$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2755$

Absolute Open Flow 2755 Mcfd @ 15.025 | Angle of Slope Θ ________ | Slope, n ________

Remarks:

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