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: 7/15/67	
Company: Aztec Oil and Gas Company			Connection: Southern Union Gathering		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 7/7/67	Total Depth: 6869		Plug Back TD: 6863	Elevation: 5823 GR	Farm or Lease Name: Reid "A"
Csg. Size: 4½ / Wt.: 10.5 / d: / Set At: 6868			Perforations: From 6617 To 6718		Well No.: 1
Tbg. Size: 1½ / Wt.: 2.75 / d: / Set At: 6266			Perforations: From To		Unit: A / Sec.: 13 / Twp.: 29 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GG Multiple			Packer Set At: 6271		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	2"	3/4"	7 day shut in			1986				
1.						394	60(est)			3 hr
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		406	1.000	.9258	1.049	4876
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 _____ XXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 1998 P_c^2 3,992,004

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	406		1,923,414	2,068,590
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.9298

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.6373

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 7983

Absolute Open Flow 7983 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Lee C Dalton