ILLEGIBLE

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: 10-24-68	
Company: Aztec Oil and Gas		Connection: El Paso Natural Gas Company			
Pool: Aztec		Formation: Pictured Cliffs		Unit	
Completion Date: 10-16-68	Total Depth: 2275		Plug Back TD: 2275	Elevation: 5791 Gr	Farm or Lease Name: Grenier "B"
Csg. Size: 4½ / Wt.: 9.5 / d: / Set At: 2275			Perforations: From 2186 To 2216		Well No.: 6
Tbg. Size: 1 / Wt.: 1.9 / d: / Set At: 2199			Perforations: From open ended To		Unit: K / Sec.: 5 / Twp.: 29N / Rge.: 10W
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	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				535		534		
1.						151		145		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		137	1.000	.9258	1.020	1833
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 5791 P_c^2 33558116

NO	P_w	R_w^2	$P_c^2 - R_w^2$
1	2004	4016	29542
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.0962

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.0812

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1982

Absolute Open Flow 1982 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

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

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OCT 28 1968
OIL CON. COM.
DIST. 3