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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: 3-19-71	
Company: Aztec Oil & Gas Company			Connection: Southern Union Gathering		
Pool: Aztec			Formation: Picture Cliff		Unit
Completion Date: 3-12-71	Total Depth: 2740		Plug Back TD: 2740	Elevation: 6173 Gr	Farm or Lease Name: Decker "A"
Csg. Size: 4-1/2" / Wt.: 10.5# / d: / Set At: 2739			Perforations: From 2569 To 2600		Well No.: #3
Tbg. Size: 1" / Wt.: 1.7# / d: / Set At: 2570			Perforations: From ---- To ----		Unit: B / Sec.: 3 / Twp.: 31N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At:		County: San Juan
Producing Thru: Casing	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						800		800		
1.	2"	3/4				101		71		
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		83		.9258		950
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXXXXXX
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

RECEIVED
MAR 24 1971
OIL CON. COM.
DIST. 3

P_c 812 P_c^2 659,344

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		113	12,769	646,575
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0197$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0166$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 966$

Absolute Open Flow 966 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Dee C. Ingram	