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: 2-19-77	
Company: AMOCO PRODUCTION COMPANY			Connection:		
Pool: Blanco		Formation: Pictured Cliffs			Unit:
Completion Date: 2-12-77	Total Depth: 2786		Plug Back TD: 2747	Elevation: 5775	Farm or Lease Name: Boyd Gas Com "B"
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 2784			Perforations: From 2528 To 2602		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 2616			Perforations: From Open To Ended		Unit: M / Sec.: 8 / Twp.: 31 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65						

	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	7 days					755		755		
1.	2.375"	.750				100	60°	340		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		112	1.000	.9608	1.010	1344
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 XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 767 P_c^2 588,289

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		352	123,904	464,385
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2668$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2227$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1643$

Absolute Open Flow 1643 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Original Signed by H. D. MONTGOMERY

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	T. M. Oliver	Oliver/W.R.Bloom	H. D. Montgomery