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: 11-22-76	
Company: Blackwood & Nichols Company	Connection: El Paso Natural Gas Company			
Pool: Blanco Mesaverde	Formation: Mesaverde			Unit: Northeast Blanco
Completion Date: 11-15-76	Total Depth: 5050'	Plug Back TD: 5015'	Elevation: 5797 DF	Farm or Lease Name: Northeast Blanco Unit
Csg. Size: 4.50 / Wt.: 10.50 / d: 3.875 / Set At: 4425'		Perforations: From 4910' To 4990'		Well No.: 5A
Tbg. Size: 2-3/8" / Wt.: 4.70 / d: 1.995 / Set At: 4308'		Perforations: From 4272' To 4278'		Unit: E / Sec.: 13 / Twp.: 30N / Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		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						560		560		
1.		3/4"				238		500		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	12.3650		250				3091
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 _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

NOV 24 1976
OIL CON. COM.
DIST. 3

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{262144}{199644}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3130$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = _____ 1.2266 X 3091 = 3791

Absolute Open Flow 3791 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

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