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: 11-2-76	
Company: Blackwood & Nichols Company			Connection: El Paso Natural Gas Company		
Pool: Blanco Mesaverde			Formation: Mesaverde		Unit
Completion Date: 10-25-76	Total Depth: 6075'		Plug Back TD: 6035'	Elevation: 6559' GL	Farm or Lease Name: Northeast Blanco Unit
Csg. Size: 4.50# / Wt.: 10.50# / d: 3.875 / Set At: 6072'			Perforations: From 5820' To 6020'		Well No.: 63
Tbg. Size: 2-3/8" / Wt.: 4.7# / d: 1.995 / Set At: 6010'			Perforations: From 6010' To 6010'		Unit: M / Sec.: 1 / Twp.: 31N / Rge.: 7W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @ 168	Mean Annual Temp. °F: 80	Baro. Press. – P_a: 12.0		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						1025		1025		
1.		3/4"	265		70			785		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		277	.9905	.9682		3285
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 _____ xx DIST. 3
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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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) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1037^2}{1037^2 - 797^2}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = \frac{1115157}{479948}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.3234$

$= 3285 \times 1.8818 = 6182$ MCF

Absolute Open Flow 6182 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

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