MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 11/4/75	
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Blanco		Formation: Mesa Verde			Unit: San Juan 30-5
Completion Date: 10/27/75	Total Depth: 6026	Plug Back TD: 5990	Elevation: 6577Gr		Farm or Lease Name: San Juan 30-5 Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 5990		Perforations: From 5592 To 5922			Well No.: 45
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5924		Perforations: From To			Unit: M / Sec.: 15 / Twp.: 30 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single		Packer Set At: None			County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0		State: New Mexico
L:	H:	Gg: .598	% CO_2:	% N_2:	% H_2S:
Prover: 3/4 choke	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					1042		1029		SIP
1.	2 X .750	185		70°	185		525		3hr
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		197	.9905	1.001	1.015	2451
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED NOV 5 1975 OIL CON. COM. DIST. 3

P_c 1054 P_c^2 1110916

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		537	288369	822547
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3506$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2528$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3071$

Absolute Open Flow 3071 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Well unloaded heavy slug of water 5 minutes after start of test. Cleared to light mist after 10 minutes for remainder of test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S Hamrick	Fred S. Hamrick	B.B.