MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 11/26/75	
Company: Northwest Pipeline Corporation	Connection: New Completion			
Pool: Tapacito	Formation: Pictured Cliffs		Unit	
Completion Date: 11/14/75	Total Depth: 4150	Plug Back TD: 4126	Elevation: 7153 Gr	Farm or Lease Name: Jicarilla 92
Csg. Size: 2.875 / Wt.: 6.5# / d: 2.441 / Set At: 4136		Perforations: From 3952 To 3976		Well No.: 6
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: D / Sec.: 31 / Twp.: 27 / Rge.: 03
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Tubingless Completion		Packer Set At: None		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.685				3/4 Positive Choke		

	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							1000		SIP
1.	2 X .750	119		52°			131		
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		131	1.008	.936	1.015	1551
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	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 1012 P_c^2 1024144

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		174	30276	993868
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0305$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0258$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1591$

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

Absolute Open Flow 1591 Mcfd @ 15.025 Angle of Slope θ _____ Slope .85

Remarks: GL	I-E-S	FcQ^2	R^2	Pt^2	$Pt^2 + R^2$	Calculated P_w
2707	.79	74125	13268	17161	30429	174

Well produced light mist of water with trace of condensate.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	Bobby J. Broughton	BJB