MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-3-75	
Company: Northwest Pipeline Corp.		Connection: New Completion			
Pool: Blanco		Formation: Mesa Verde			Unit: S.J. 29-6
Completion Date: 11-24-75	Total Depth: 5810	Plug Back TD: 5776		Elevation: 6409 GR	Farm or Lease Name: S.J. 29-6 Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 5810		Perforations: From 5178 To 5630			Well No.: 1A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5604		Perforations: From To			Unit: P / Sec.: 3 / Twp.: 29 / Rge.: 6
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: .670	% CO_2:	% N_2:	% H_2S:
Prover: orifice meter	Meter Run: 4"	Taps: flange			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Meter p.s.i.g.	Diff.	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of
SI					574		574		8 day SIP
1.	4 x 2.50	60	6.5	60	265		460		3 hrs
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Differential Meter	Pressure Meter Static	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd 8 day
1	103.21	6.5	2.7	1.000	1.222	1.030	2280
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 586 P_c^2 343396

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		472	222784	120612
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.8471$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.1918$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4,997$

Absolute Open Flow 4997 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Diff. from L-10 chart. Coefficient from chart factor 3.162 + orifice factor 32.64. Variable choke set @ 48/64. Well produced approx 1/2 bbls of condensate.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred Hamrick	Bobby Broughton	