NEW MEXICO OIL CONSERVATION COMMISSION

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: 4/8/83	
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Basin		Formation: Dakota			Unit: San Juan 30-5
Completion Date: 3-21-83	Total Depth: 8020'	Plug Back TD: 8008'	Elevation: 6505' KB		Farm or Lease Name: San Juan 30-5 Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.052 / Set At: 8020'		Perforations: From 7884' To 7949'			Well No.: #80
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7865'		Perforations: From To			Unit: A / Sec.: 6 / 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: est. .590	% CO_2:	% N_2:	% H_2S: Prover: Positive 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	SIP						2695		2695		
1.	2"	X	.750"	178		62°	178	62°	655	62°	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	9.604		190	.998	1.302	1.013	2402
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 _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R

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DIST. 3

P_c 2707 P_c^2 7327849

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		667	444889	6882960
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0646$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0481$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2518$

Absolute Open Flow 2518 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced light mist throughout test. Vented = 376 MCF/D

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Gip Aulbert	M.J. Turnbaugh	

MJT/skw