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: 12/16/82	
Company: Northwest Pipeline Corporation			Connection: New Completion		
Pool: Undesignated			Formation: Pictured Cliffs		Unit: San Juan 32-8
Completion Date: 11-28-82	Total Depth: 6430'		Plug Back TD: 6382'	Elevation: 6975'	Farm or Lease Name: San Juan 32-8 Unit
Csg. Size: 7.000 / 4.500	Wt.: 23.0 / 10.5	d: 6.366 / 4.052	Set At: 4270' / 4097'-6427'	Perforations: From 3884' To 3944'	Well No.: #49 PC
Tbg. Size: 1.660	Wt.: 2.33	d: 1.380	Set At: 3887'	Perforations: From To	Unit: A; Sec.: 15; Twp.: 32N; Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Multiple Completion			Packer Set At: 4050'		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0		State: New Mexico
L	H	Gg: est. .594	% 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	Shut-in Pressure						1491		1491		
1.	2"	X	.750"	256		53°	256		1071		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		268	1.007	1.298	1.021	3435
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1503 P_c^2 2259009

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1083	1172889	1086120
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0799$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8635$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6401$

Absolute Open Flow 6401 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Produced medium most of water with a trace of condensate. Vented 429 MCF.

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