NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JAN 24 1983
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 01/12/83	
Company: Northwest Pipeline Corporation		Connection: New Completion			Unit: San Juan
Pool: Basin		Formation: Dakota			
Completion Date: 12/07/82	Total Depth: 8090'	Plug Back TD:	Elevation: 6809' KB		Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052	Set At: 8100'	Perforations: From 7966' To 8082'			Well No.: #114
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995	Set At: 7967'	Perforations: From To			Unit: A / Sec.: 7 / Twp.: 29 / Rge.: 6
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single Completion		Packer Set At: 2624'			County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: e	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
		est. .585				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	Shut-in Pressure				2511		2511		
1.	2" X .750	84		67°	84		361		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		96	.993	1.307	1.006	1204
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 _____ R

P_c 2523 P_c^2 6365529

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		373	139129	6226400
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0223$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0167$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1224$

Absolute Open Flow 1224 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced heavy mist of water throughout test. Vented 200 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	Sandy Wilson	RDR