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: 3-09- 81	
Company: Northwest Pipeline Corporation			Connection: New Well		
Pool: Basin			Formation: Dakota		Unit: San Juan 31-6 Unit
Completion Date: 2/24/81	Total Depth: 7890'		Plug Back TD	Elevation: 6132'	Farm or Lease Name: San Juan 31-6 Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052	Set At: 7890'		Perforations: From 7806' To 7830'		Well No.: #36
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995	Set At: 7807'		Perforations: From To		Unit: A / Sec.: 27 / Twp.: 31N / Rge.: 6W
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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.60				3/4" Positive Choke		

NO.	FLOW DATA: Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							2744		2744		SIP
1.	2"	X	.750			60°	191		797		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		203	1.000	1.291	1.016	2557
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 _____

P_c 2756 P_c^2 7595536

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		809	654481	6941055
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0943$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ n .0699

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2736$

Absolute Open Flow 2736 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produce med. mist of H_2O through out test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	Fred S. Hamrick	BGB

BJB/skw