NEW MEXICO OIL CONSERVATION COMMSSION

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: 3/16/77	
Company: Northwest Pipeline Corp.		Connection: New Well			
Pool: Blanco		Formation: Mesa Verde		Unit: San Juan 29-6	
Completion Date: 3/9/77	Total Depth: 5582		Plug Back TD: 5553	Elevation: 6322	Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 11.6	d: 4.000	Set At: 3585 / 3414-5587	Perforations: From 5002 To 5540	Well No.: #45A
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5507	Perforations: From To	Unit: I; Sec.: 27; 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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
.		.660				orifice meter	4"	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					951		952		SIP
1.	4" X 2.750	202	9.2	66°	414		681		3 hrs
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	4.6	9.2	.9943	1.231	1.024	6896
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 964 P_c^2 929296

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		693	480249	449047
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0695$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7254$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 11,898$

Absolute Open Flow 11,898 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced approximately 1 bbl of condensate.

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

ch