NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 12-1-65

RECEIVED
NOV 22 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 11/11/85	
Company: Northwest Pipeline Corporation			Connection: New Completion		Unit: San Juan 32-7
Pool: South Los Pinos			Formation: Fruitland/Pictured Cliffs		
Completion Date: 10/06/85	Total Depth: 6119'		Plug Back TD: 6100'	Elevation: 6646' KB	Farm or Lease Name: San JUan 32-7 Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6119'			Perforations: From 5574' To 6054'		Well No.: #83 (PC)
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5914'			Perforations: From To		Unit: M / Sec.: 28 / Twp.: 32N / Rge.: 7W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Dual			Packer Set At: 3690'		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. .680	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	SIP				1417		1455		
1.	2" X .750"			82°	126	82°	1227	82°	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		138	.980	1.213	1.012	1594
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 1467 P_c^2 2152089

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1239	1535121	616968
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.4882$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.8921$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4610$

Absolute Open Flow 4610 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Produced medium to light mist throughout test with a trace of parrafin.
Vented 199 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Walt Snyder	S.K. Liese	M.J. Turnbaugh