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

Form C-122
Revised 9-1-65

RECEIVED
NOV 3 0 1983
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10/20/83	
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Basin		Formation: Dakota		Unit: San Juan 30-5	
Completion Date: 9/30/83	Total Depth: 8033'	Plug Back TD: 8000'	Elevation: 6671' KB	Farm or Lease Name: San Juan 30-5 Unit	
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.052 / Set At: 8022'		Perforations: From 7943' To 7988'		Well No.: #91	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7897'		Perforations: From To		Unit: L / Sec.: 25 / Twp.: 30 / Rge.: 5	
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: Est. .590	% 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	SIP						2660		2669		
1.	2"	X	.750"			69°	79	69°	385	69°	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		91	.992	1.302	1.006	1135
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 2672 P_c^2 7139584

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		397	157609	6981975
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0226$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0169$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1155$

Absolute Open Flow 1155 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced light mist throughout test. Vented 192 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Gip Aulbert	M.J. Turnbaugh	

skl