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: 10-29-81	
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Blanco		Formation: Mesa Verde		Unit: San Juan 29-5	
Completion Date: 10-14-81	Total Depth: 5890'	Plug Back TD: 5860'	Elevation: 6605'	Farm or Lease Name: San Juan 29-5 Unit	
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 10.5	d: 6.456 / 4.052	Set At: 3950' / 3754'-5890'	Perforations: From 5309' To 5828'	Well No.: #41A
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5690'	Perforations: From To	Unit: O Sec.: 31 Twp.: 29N Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single Completion			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. .670	% CO_2	% N_2	% H_2S

Prover: positive choke | Meter Run | Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							952		952		SIP
1.	2"	X	.750			64°	271		644		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		283	.996	1.222	1.030	3371
2.							
3.							
4.							
5.							

NO.	P_r	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 _____ XXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
DEC 3 - 1981
OIL CON. COM.
DIST. 3

P_c 964 P_c^2 929296

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		656	430336	498960
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8625$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5943$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5374$

Absolute Open Flow 5374 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced light mist of water with a trace of condensate. Vented 470 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	B.J. Broughton	