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: 4-28-81	
Company: Northwest Pipeline Corporation			Connection: New Completion		
Pool: Blanco			Formation: Mesa Verde		Unit: San Juan 32-8
Completion Date: 4-20-81	Total Depth: 6165'		Plug Back TD: 6132'	Elevation: 6738'	Farm or Lease Name: San Juan 32-8 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 10.5	d: 6.456 / 4.052	Set At: 4045' / 3845-6163	Perforations: From 5382' To 6086'	Well No.: #42
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5950'	Perforations: From To	Unit: B; Sec.: 10; Twp.: 31N; Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single			Packer Set At: None		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. .588	% 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							1096		1096		SIP
1.	2	X	.750	270		60°	270		673		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		282	1.000	1.304	1.020	3602
2.							
3.							
4.							
5.							

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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: ____ XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX ____
Critical Pressure: ____ P.S.I.A. ____ P.S.I.A.
Critical Temperature: ____ R ____ R

P_c 1108 P_c^2 1227664

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		685	469225	758439
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6187$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4351$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5169$

Absolute Open Flow 5169 Mcfd @ 15.025 | Angle of Slope θ ____ | Slope, n .75

Remarks: Produced very fine mist of water. Vented 517 MCF.

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