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: 1-06-82	
Company: Northwest Pipeline Corporation	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde			Unit: San Juan 32-7
Completion Date: 11-24-81	Total Depth: 5805'	Plug Back TD: 5740'	Elevation: 6395'	Farm or Lease Name: San Juan 32-7 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 10.5	d: 6.456 / 4.052	Set At: 3750' / 3528'-5805'	Perforations: From 5302' To 5700'
Well No.: #76 MV				
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5586'	Perforations: From To
Unit: F	Sec.: 18	Twp.: 32N	Rge.: 7W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Multiple Completion		Packer Set At: 3440'	County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: 6	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
.		est. .590				positive choke		

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							1189				SIP
1.	2"	X	.750"	143		62°	143		Calc.		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		155	.998	1.302	1.010	1954
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1201 P_c^2 1442401

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		310	96100	134630
2		(calc.)		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0714$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0531$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2058$

Absolute Open Flow 2058 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced medium mist of H_2O throughout test. Vented 268 MCF.

G1	1-e-s	$Fc0^2$	Rt^2	Pt^2	Pt^2+R^2	Calc. Pw
3296	.213	337512	71890	24025	95915	310 PSIA

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