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

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 6-15-79	
Company: Northwest Pipeline Corp		Connection: New Completion		
Pool: Blanco Mesaverde		Formation: Pictured Cliff		Unit: San Juan 29-5
Completion Date: 5-22-79	Total Depth: 3960	Plug Back TD: 3930	Elevation: 6841 Gr.	Farm or Lease Name: San Juan 29-5 Unit
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 3939		Perforations: From 3794 To 3870		Well No.: #93
Tbg. Size: NONE / Wt. / d / Set At		Perforations: From To		Unit: C / Sec.: 23 / Twp.: 29N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Tubingless Completion		Packer Set At: NONE		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico
L / H	Gg: .650	% 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										
1.	2	x	.750	351		72°			1120		SIP
2.									351		3hrs
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		363	.989	1.240	1.048	4481
2							
3							
4							
5							

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NO.	P_t	Temp. °R	t_r
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 1132 P_c^2 1281424

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		483	233239	1048135
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2226$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1863$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5316$

Absolute Open Flow 5316 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks:

Gl.	1-e-s	$(FcQ)^2$	$(FcQ)^2 \times (1\text{-}e\text{-}s\text{-}) = R^2$	Pt^2	Pt^2+R^2	Calc. PW
2466	.164	618717	101470	131769	233239	483

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Ray Graham	B.J. Broughton	