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: 7-6-79	
Company: Northwest Pipeline Corp.			Connection: New Completion		
Pool: Gobernador			Formation: Pictured Cliffs		Unit: San Juan 29-5 Unit
Completion Date: 5-22-79	Total Depth: 4050		Plug Back TD: 4038	Elevation: 6922	Farm or Lease Name: San Juan 29-5 Unit
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.441 / Set At: 4044			Perforations: From 3900 To 3958		Well No.: #94
Tbg. Size: NONE / Wt. / d / Set At			Perforations: From To		Unit: P / Sec.: 23 / Twp.: 29N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GAS - 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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.60(est.)				Pos. Choke		

	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								1025		SIP
1.	2	X .750	71		60°			71		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		83	1.000	1.291	1.007	1036
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1025 P_c^2 1050625

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	6889	110	12100	1038525
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.012$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.010$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1046$

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JUL 2 [illegible]
OIL CON[illegible]

Absolute Open Flow 1046 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks:

GL	1-e-s	(FcQ^2)	R^2	Pt2	Pt2+R2	Calc Pw
2375	.159	33072	5258	6889	12147	110

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Ray Graham	R. L. Myers	DJ Brighton