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: 7-06-81	
Company: Northwest Pipeline Corporation	Connection: New Completion			
Pool: Gobernador	Formation: Pictured Cliffs		Unit: San Juan 29-5	
Completion Date: 6-21-81	Total Depth: 6163'	Plug Back TD: 3830'	Elevation: 6755'	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: 4060' / 3860'-6163'	Perforations: From 3602' To 3773'
Well No.: #73 P C				
Tbg. Size: 1.660	Wt.: 2.33	d: 1.380	Set At: 3740'	Perforations: From To
Unit: H	Sec.: 15	Twp.: 29N	Rge.: 5W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Multiple Completion		Packer Set At: 3830'	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	% CO_2	% N_2	% H_2S		Meter Run	Taps
		est. .620				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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1110		1107		SIP
1.	2"	X .750	130		47°	130		715		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		142	1.013	1.270	1.013	1777
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 XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 1122 P_c^2 1258884

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		727	528529	730355
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7237$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5885$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2823$

Absolute Open Flow 2823 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Well produced very light mist of water throughout test. Vented 250 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Ross Gallegos	B.J. Broughton	BJB

BJB/ skw