NEW MEXICO OIL CONSERVATION COMMSSION

MULTIFOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 11/20/75	
Company: Northwest Pipeline Corporation		Connection: New Completion		
Pool: Tapacito		Formation: Pictured Cliffs		Unit
Completion Date: 11/1/75	Total Depth: 4020	Plug Back TD: 4006	Elevation: 7093 Gr	Farm or Lease Name: Jicarilla 92
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.441 / Set At: 4014		Perforations: From 3870 To 3912		Well No.: 9
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: G / Sec.: 31 / Twp.: 27 / Rge.: 3
Type Well – Single – Bradenhead – G.C. 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: .685 / % CO_2 / % N_2 / % H_2S			Prover: 3/4 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	SIP						1041		SIP
1.	2 X .750	146		51			146		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	12.365		158	1.009	.9359	1.015	1873
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1053 P_c^2 1108809

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		209	43681	1065128
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0410$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0348$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1938$ Calculated

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DIST. 3

Absolute Open Flow 1938 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks:

GL	I-E-S	$Fc Q^2$	R^2	Pt^2	$Pt^2 + R^2$	P_w
2651	.175	108098	18917	24964	43881	209

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
			BCP