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: 11/26/75		
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Tapacito		Formation: Pictured Cliffs		Unit:	
Completion Date: 11/14/75	Total Depth: 4016	Plug Back TD: 4009	Elevation: 7208 Gr	Farm or Lease Name: Jicarilla 93	
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 4016		Perforations: From 3922 To 3948		Well No.: 5	
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: A / Sec.: 34 / Twp.: 27 / Rge.: 03	
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: θ	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								949		SIP
1.	2	X	.750	164		54°			164		3hrs
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		176	1.006	.936	1.019	2088
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 961 P_c^2 923521

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		234	54756	868765
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0630$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0533$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2199$

RECEIVED
DEC 5 1975
OIL CON. COM.
DIST. 3

Absolute Open Flow 2199 Mcfd @ 15.025 Angle of Slope θ _____ Slope .85

Remarks: GL	I-E-S	FcQ^2	R^2	Pt^2	$Pt^2 + R^2$	Calculated Pw
2686	.177	134339	23778	30976	54754	234

Well produced light mist of water & condensate.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	Bobby J. Broughton	RJR