NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: XX Initial ☐ Annual ☐ Special				Test Date: 11-26-79	
Company: Northwest Pipeline Corp.		Connection: New Completion			
Pool: Blanco		Formation: Pictured Cliffs		Unit: SJ 29-6 Unit	
Completion Date: 10/30/79	Total Depth: 3715	Plug Back TD: 3696 (FC)	Elevation: 6636GR	Farm or Lease Name: SJ 29-6 Unit	
Csg. Size: 2.875 / Wt.: 6.5# / d: 2.441 / Set At: 3705		Perforations: From 3598 To 3630		Well No.: 111	
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: C / Sec.: 1 / Twp.: 29N / Rge.: 6W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - 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: .690	% CO_2	% N_2	% H_2S
Prover: Positive Choke	Meter Run	Taps			

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									1089		SIP
1.	2"	X	0.750"	110		56°			110		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		122	1.004	1.204	1.014	1436
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 1101 P_c^2 1212201

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		159	25281	1186920
2		(Calc)		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0213$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0181$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1462$

Absolute Open Flow 1462 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Well produced very dry gas

G1.	1-e-s	Fc Q2	R^2	P+2	P+2+R2	Calc. PW
2483	.165	63541	10484	14884	25368	159

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred Hamrick	B. J. Broughton	