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: 3/27/78	
Company: Northwest Pipeline Corp.	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde			Unit: San Juan 29-6
Completion Date: 3/17/78	Total Depth: 6019	Plug Back TD: 5981	Elevation: 6727 GR	Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 11.6	d: 6.456 / 4.000	Set At: 3995 / 3841-6016	Perforations: From 5464 To 5966 — Well No.: #33A
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5925	Perforations: From To — Unit: J, Sec.: 13, Twp.: 29, Rge.: 6
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single		Packer Set At: None		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	Prover	Meter Run	Taps
		.680				Orifice Meter	4"	Flange

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	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							499		778		SIP
1.	4	x	2.750	123	4.3	57°	283		603		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	3.7	4.3	1.003	1.213	1.014	2552
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 790 P_c^2 624100

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		615	378225	245875
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.5383$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0110$

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5132$

RECEIVED
MAR 30 1978
OIL CON. COM.
DIST. 3

Absolute Open Flow 5132 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope n .75

Remarks: Well produced 6 bbls of water with a trace of condensate.

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