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: 12/2/76	
Company: Northwest Pipeline	Connection: New Well			
Pool: Blanco	Formation: Mesa Verde			Unit: San Juan 29-6
Completion Date: 11/22/76	Total Depth: 5842	Plug Back TD: 5808	Elevation: 6559	Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 7.000 / 4.500 — Wt.: 20# / 11.6# — d: 4.052 — Set At: 3820 / 3760-5837 — Perforations: From 5169 To 5736				Well No.: 5-A
Tbg. Size: 2.375 — Wt.: 4.7# — d: 1.995 — Set At: 5684' — Perforations: From To				Unit: F — Sec.: 30 — 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				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					712		718		SIP
1.	4" X 2.750	141	9.1						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	3.9	9.1	.989	1.213	1.019	5640
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 730 P_c^2 532900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		553	305809	227091
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3466$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .18960$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 10,693$

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DIST. 3

Absolute Open Flow 10,693 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope n .75

Remarks: Well produced 1 bbl of condensate with a trace of water.

Approved By Commiselon:	Conducted By:	Calculated By:	Checked By:
	Fred Hamrick	Fred Hamrick	