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: 9-1-76	
Company: Northwest Pipeline Corp.	Connection: new completion			
Pool: Blanco	Formation: Mesa Verde			Unit: Cox Canyon
Completion Date: 8-16-76	Total Depth: 5921	Plug Back TD: 5877	Elevation: 6693 GR	Farm or Lease Name: Cox Canyon Unit
Csg. Size: 7.000 / 4.500; Wt.: 20# / 10.5#; d: 6.456 / 4.052; Set At: 3762' / 5921'		Perforations: From 5162 To 5810		Well No.: 8A
Tbg. Size: 2.375; Wt.: 4.7; d: 1.995; Set At: 5857		Perforations: From To		Unit: H; Sec.: 17; Twp.: 32; Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single		Packer Set At: none		County: San Juan
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: Orifice meter	Meter Run: 4"	Taps: flange
.		.653						

NO.	FLOW DATA: Prover Line Size x Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	16 day SIP				835		841		
1.	4" x 2.500	112	9.2	56°	467		768		3 hours
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	103.21	3.52	9.2	1.0039	1.237	1.0058	4391
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 853 P_c^2 727609

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		780	608400	119209
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.1036$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.8832$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 17,051$

RECEIVED
SEP 9 1976
OIL CON. COM.
DIST. 3

Absolute Open Flow 17,051 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Variable choke set @ 48/64. Well produced a trace of condensate.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	F.S. Hamrick	F.S. Hamrick js	