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: 10/20/75	
Company: Northwest Pipeline Corporation		Connection: None (OWWO)		
Pool: Blanco		Formation: Mesa Verde		Unit: San Juan 32-7
Completion Date: 10/13/75	Total Depth: 6270	Plug Back TD: 6243	Elevation: 6650	Farm or Lease Name: San Juan 32-7 Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6261		Perforations: From 5734 To 6102		Well No.: #2 (OWWO)
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5995		Perforations: From To		Unit: K / Sec.: 27 / Twp.: 32 / Rge.: 7
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: θ	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0	State: New Mexico
L:	H:	Gg: .600	% CO_2:	% N_2:
% H_2S:	Prover: 3/4" choke	Meter Run:	Taps:	

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					812		1124		
1.	2 X 3/4	145		68°	145		556		3 hr
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		157	.9924	1.000	1.012	1950
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 1136 P_c^2 1290496

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		568	322624	967872
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3333$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2408$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2420$

Absolute Open Flow 2420 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Well unloaded heavy water mist through out test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By: