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: 5-15-81	
Company: Northwest Pipeline Corporation		Connection: New Completion		
Pool: Basin		Formation: Dakota		Unit: San Juan 32-7
Completion Date: 4-24-81	Total Depth: 8239'	Plug Back TD: 8194'	Elevation: 6650'	Farm or Lease Name: San Juan 32-7 Unit
Csg. Size: 4.500 / Wt.: 11.6 10.5 / d: 4.052 / Set At: 8239'		Perforations: From 8118' To 8184'		Well No.: #63
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8100'		Perforations: From To		Unit: G / Sec.: 28 / Twp.: 32N / Rge.: 7W
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	Meter Run	Taps
		est. .580				positive choke		

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						2695		2695		SIP
1.	2"	X .750	41		57°	41		176		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		53	1.003	1.313	1.002	672
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1				
2.				
3.				
4.				
5.				

RECEIVED
JUN 3 1981
OIL CON. COM.
DIST. 3

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 2707 P_c^2 7327849

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		188	35344	7292505
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0048$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0036$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 674$

Absolute Open Flow 674 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced med. to heavy mist of water throughout test. Vented 124 MCF.

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