NEW MEXICO OIL CONSERVATION COMMISSION

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: 3/22/83	
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Basin		Formation: Dakota		Unit: San Juan 31-6	
Completion Date: 3-9-83	Total Depth: 8040'	Plug Back TD: 8030'	Elevation: 6520'	Farm or Lease Name: San Juan 31-6 Unit	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 8040'		Perforations: From 7989' To 8012'		Well No.: #41	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7983'		Perforations: From To		Unit: L / Sec.: 29 / Twp.: 31 / 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: est. .590	% CO_2	% N_2	% H_2S
Prover: Positive Choke	Meter Run	Taps			

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	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	SIP						2840		2835		
1.	2"	X	.750"	168		66°	168	66°	710	66°	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		180	.994	1.302	1.013	2266
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

RECEIVED
APR 12 1983
OIL CON. DIV.
DIST. 3

P_c 2852 P_c^2 8133904

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		722	521284	7612620
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0685$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0509$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2381$

Absolute Open Flow 2381 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced very light mist throughout test. Vented 283 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
MJT/skw	Chik Charley	M.J. Turnbaugh	MJT