NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

CORRECTED COPY

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12/20/82	
Company: Northwest Pipeline Corporation			Connection: New Completion		
Pool: South Los Pinos			Formation: Pictured Cliffs		Unit: San Juan 32-7
Completion Date: 11-27-82	Total Depth: 6250'		Plug Back TD: 3820'	Elevation: 6750'	Farm or Lease Name: San Juan 32-7 Unit
Csg. Size: 7.000 / 4.500	Wt.: 23.0 / 10.5	d: 6.366 / 4.052	Set At: 4030 / 3863'-6248	Perforations: From 3558' To 3760'	Well No.: #46 (PC)
Tbg. Size: 1.660	Wt.: 2.33	d: 1.380	Set At: 3694	Perforations: From To	Unit: B; Sec.: 34; Twp.: 32; Rge.: 7
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Multiple Completion			Packer Set At: 3820'		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: est. .680	% CO_2	% N_2	% H_2S: Positive Choke; Meter Run; Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	Shut-in Pressure				1448		1448		
1.	2" X .750"	270		52°	270		1256		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		282	1.008	1.213	1.034	3424
2.							
3.							
4.							
5.							

RECEIVED

NO.	P_t	Temp. °R	T_t	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 1460 P_c^2 2131600

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1268	1607824	523776
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.0697$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.2971$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 11,289$

Absolute Open Flow 11,289 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Produced medium mist of water with a trace of condensate. Vented 428 MCF.

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

skw