NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAY 14 1986
OIL CON. DIV.
DIST. 3

Type Test: ☐ Initial ☐ Annual ☒ Special			Test Date: 4/23/86	
Company: Northwest Pipeline Corporation		Connection: New Completion		
Pool: Basin		Formation: Dakota		Unit: Rosa
Completion Date: 7/14/85	Total Depth: 8550'	Plug Back TD: 8500'	Elevation: 6780' GR	Farm or Lease Name: Rosa Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 8550'		Perforations: From 8290' To 8420'		Well No.: #112Y (DK)
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8334'		Perforations: From To		Unit: M / Sec.: 27 / Twp.: 31N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Dual		Packer Set At: 7840'		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:	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	SIP				2875		2258		
1.	2" X .750"			56°	198	56°			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		210	1.004	1.302	1.018	2684
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 2887 P_c^2 8334769

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		486	236196	8098573
2		(Calc.)		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0292$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0218$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2742$

Absolute Open Flow 2742 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Blew light fog last 2 1/2 hrs. of blow. Vented 336 MCF

Gl	i-e-s	$Fc0^2$	R^2	Pt^2	R^2+Pt^2	Pw
4917	.301	636804	191678	44100	235778	486 psia

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John Wright	S.K. Liese	M.J. Turnbaugh

SKL