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: 7/22/76	
Company: Northwest Pipeline	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde			Unit
Completion Date: July 14, 1976	Total Depth: 5818	Plug Back TD: 5773	Elevation: 6596 GR.	Farm or Lease Name: New Mexico 32-11 Com.
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 5813		Perforations: From 5022 To 5766		Well No.: 1A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At:		Perforations: From To		Unit: N / Sec.: 20 / Twp.: 32 / Rge.: 11
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: .660	% CO_2:	% N_2:	% H_2S:	Prover: Orifice meter	Meter Run: 4"	Taps: flange

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	8 day SIP				923		923		SIP
1.	4 x 2.500	101	9.0	57°	426		772		3 hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	103.21	3.36	9.0	1.003	1.231	1.014	3908
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

P_c 935 P_c^2 874225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		784	614656	259569
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.3679$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.4862$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9716$

JUL 27 1976

Absolute Open Flow 9716 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Diff. from L-10 chart. Coefficient from chart factor 3.162 & Orifice factor of 32.64. Variable Choke set @ 48/64. Well produced 2 bbls of water with a trace of condensate.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	F.S.Hamrick	F.S.Hamrick	BJB