NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-30-75	
Company: Northwest Pipeline Corporation	Connection: New Completion			
Pool: Basin	Formation: Dakota			Unit: San Juan 30-5
Completion Date: 7-19-75	Total Depth: 7860'	Plug Back TD: 7851'	Elevation: 6373 Gr	Farm or Lease Name: San Juan 30-5 Unit
Csg. Size: 4.500 / Wt.: 11.6 10.5 / d: 4.052 / Set At: 7860		Perforations: From 7697 To 7822		Well No.: 39
Tbg. Size: 2-3/8 / Wt.: 4.7 / d: 1.995 / Set At: 7817		Perforations: From To		Unit: G / Sec.: 7 / Twp.: 30 / Rge.: 5
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	% CO_2	% N_2	% H_2S	Prover: 3/4 variable ck	Meter Run: 4"	Taps: Flange
		.598						

NO.	FLOW DATA: Prover Line Size x Orifice Size	meter p.s.i.g.	Diff.	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					2742		2749		
1.	4 x 2.500	41	5.5	76°	198		518		3 hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Diff.	Pressure Meter Static	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	103.00	5.5	2.3	.9850	1.293	1.003	1,664
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

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P_c 2761 P_c^2 7568001

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		530	280900	7342221
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{7568001}{7342221}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0230$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.703$

Absolute Open Flow 1,703 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 75

Remarks: Diff & static reading frm L-10 chart. Coefficient from L-10 chart factor of 3.162 & Orifice factor 32.64. Well produced 3 bbls of H_2O.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred Hamrick	Bobby Broughton	RJR