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: 1/31/77	
Company: Northwest Pipeline Corporation	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde			Unit: San Juan 29-6
Completion Date: 1/15/77	Total Depth: 5506	Plug Back TD: 5469	Elevation: 6255 Gr.	Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 7.000 / 4.500 — Wt.: 20# / 11.6# — d: 6.465 / 4.00 — Set At: 3510 / 3355-5504		Perforations: From 4874 To 5418		Well No.: #65A
Tbg. Size: 2.375 — Wt.: 4.7 — d: 1.995 — Set At: 5397		Perforations: From To		Unit: J — Sec.: 19 — Twp.: 29 — 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: .684	% CO_2:	% N_2:	% H_2S:	Prover: orifice meter	Meter Run: 4"	Taps: Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Meter PSIG	Meter 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					910		960		SIP
1.	4 X 2.750	183	9.35	69°	384		782		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	130.00	4.4	9.35	.9915	1.209	1.019	6533
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1.				
2.	-			
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 972 P_c^2 944784

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		794	630436	314348
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0055$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.2827$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 14,913$

Absolute Open Flow 14,913 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .75

Remarks: Variable choke set @ 48/64. Produced approximately 1 bbl of condensate.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred Hamrick	Fred Hamrick	