NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 25 1984
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 9/14/84	
Company: Northwest Pipeline Corporation	Connection: New Completion		Unit: San Juan 30-5
Pool: Basin	Formation: Dakota		
Completion Date: 8/29/84	Total Depth: 8375'	Plug Back TD: 8350'	Elevation: 6938' KB
Farm or Lease Name: San Juan 30-5 Unit			
Csg. Size: 4.500 / Wt.: 11.5 / d: 4.052 / Set At: 8369'	Perforations: From 8220' To 8278'		Well No.: #100
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8182'	Perforations: From To		Unit: A / Sec.: 34 / 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: Est. .590	% CO_2	% N_2	% H_2S	Prover: Positive Choke	Meter Run	Taps

FLOW DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	SIP				2595		2595		
1.	2" x .750"			65°	67	65°	481	65°	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		79	.995	1.302	1.006	989
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 2607 P_c^2 6796449

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		493	243049	6553400
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0371$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0277$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1016$

Absolute Open Flow 1016 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced light to medium mist throughout test. Vented 199 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Gip Aulbert	M.J. Turnbaugh	

skl