

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 11/30/76	
Company Northwest Pipeline Corp.		Connection New Completion	
Pool Los Pinos		Formation Fruitland	
Completion Date 11/15/76		Total Length 4035	
Plug Back TD 4017		Elevation 7003 Gr.	
Form or Lease Name San Juan 32-8 Unit		Well No. 36	
Csg. Size 2.875	Wt. 6.4	Set At 2.441	Set At 4025
Perforations: From 3773    To 3829		Well No. 36	
Perforations: From    To		Unit G	Sec. 25
Perforations: From    To		Twp. 32	Rge. 8
Type Well - Single - Bristlehead - C.G. or C.O. Multiple Gas - Single		Packer Set At None	
Producing Thru Casing		County San Juan	
Reservoir Temp. °F 6		State New Mexico	
Moon Annual Temp. °F 12.0		Meter Run None	
L	H	Gg .594	% CO <sub>2</sub>
		% N <sub>2</sub>	% H <sub>2</sub> S
		Prover, positive choke	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2	X	.750	71		52°	---		1493		SIP
2.							---		Calculated		3 hrs.
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	9.604		83	1.008	1.298	1.006	1049
2.							
3.							
4.							
5.							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/Lbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.    P.S.I.A.
5.					Critical Temperature	R    R

$P_c = 1505$      $P_c^2 = 2265025$

NO.	P <sub>r</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>r</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1		109	11881	2253144
2				
3				
4				
5				

(1)  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0053$     (2)  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0045$

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1054$

Absolute Open Flow 1054 Mcfd @ 15.025    Angle of Slope  $\theta$  \_\_\_\_\_    Slope, n = .85

Remarks: Produced light mist of water through opt test.  
 GI    1-e-s    Fc Q<sup>2</sup>    R<sup>2</sup>    PL<sup>2</sup>    PL<sup>2</sup> + R<sup>2</sup>    PW

2241    150    33907    5086    6889    11975    109

Approved By: _____	Conducted By: _____	Calculated By: _____	Checked By: _____
	Prod. Hour Log	Bobby Broughton	