

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL.

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-1-81	
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.	
Pool Blanco				Formation Mesa Verde	
Completion Date 6-17-81		Total Depth 8634		Plug Back TD 8626	
				Elevation 7376 GR	
Csg. Size 9.625"		ID 40.0		Perforations From 5880 To 6752	
Tub. Size 1.900		ID 2.90		Perforations From To	
Type Well - Single - Production - G.C. or G.O. Multiple G. G. Dual				Packer Set At 6791	
Producing thru Csg.		Reservoir Temp. °F P		Mean Annual Temp. °F Baro. Press. - P _a 12	
L		H		County Rio Arriba	
		G _g 0.670		State New Mexico	
		% CO ₂		% H ₂	
				% H ₂ S	
				Prover	
				Meter Run 4"	
				Taps Flg.	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1025		1035		14 Days
1.	4" X 2.5"			185	10.0	38	632		610		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.21	44.38	197	1.022	1.222	1.022	5847
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcf, bbl.	Deg.	P.S.I.A.	R
1														
2.														
3.														
4.														
5.														

NO.	P _t	P _w	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6086$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4283$
1	1047	644	1096209	414,736	681,473	
2						
3						
4						
5						

Absolute Open Flow				Angle of Slope	
8352				Slope, n = .75	

*7" Liner from 4443 to 6978 - 4 1/2" Liner 6853 to 8634
No Liquids - Gas Vented 780 MCF

Approved by Division	Conducted by:	Calculated by:	Checked by:
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