

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-5-82		(OWWO)	
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.		(Commingled)	
Pool Blanco - Basin				Formation Mesa Verde - Dakota		Unit	
Completion Date 2-22-82		Total Depth 7870		Plug Back TD 7750		Elevation	
Csg. Size 4.500		ID 11.6		Set At 4.000		Well No. #59	
Perforations: From 5092 To 7716		Perforations: From 7715 To		Unit A		Sec. 6	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Mesa Verde - Dakota		Commingle		Packer Set At NONE		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F p		Mean Annual Temp. °F		State New Mexico	
L		H		G _g		Prover	
% CO ₂		% N ₂		% H ₂ S		Meter Run	
Taps							

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							317		577		11 Days
1.											
2.											
3.											
4.											
5.											

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

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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1.				
2.				
3.				
4.				
5.				

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

AOIF = Q $\left[\frac{P_t^2}{P_c^2 - P_w^2} \right]^n = \dots$

Absolute Open Flow		Mcf @ 15.025	Angle of Slope	Slope, n
Remarks:				

Approved by Division	Conducted by Mel Wileman	Calculated by Ed Mabe	Checked by
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