

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 09/04/73	
Company Atlantic Richfield		Connection El Paso Natural Gas Company	
Pool Jalmat		Formation Yates	
Completion Date 08/27/73		Total Depth 3630	Plug Back TD 3622
Elevation 3339 DF		Farm or Lease Name Cooper WN	
Csg. Size 7"		Wt. 23#	Set At 3630
Perforations: From 2931 To 3400		Well No. #3	
Tqg. Size 2-7/8		Wt. 6.5	Set At 3450
Perforations: From To		Unit Sec. Twp. Rge. B 12 24 36	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F 87 @ 2931	Mean Annual Temp. °F 74
Baro. Press. - P _a 13.2		State New Mexico	
L 2931	H 2931	Gg .505	% CO ₂
% N ₂		% H ₂ S	Prover
Meter Run 4		Taps Flg.	
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
	Press. p.s.i.g.	Diff. h _w	Temp. °F
	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI			
1.	4 x 1.500	42	2.56
2.	4 x 1.500	43	6.25
3.	4 x 1.500	44	11.42
4.	4 x 1.500	46	18.32
5.			
TUBING DATA			
	Press. p.s.i.g.	Temp. °F	
	242	74	
	213	78	
	198	81	
	186	83	
	167	90	
CASING DATA			
	Press. p.s.i.g.	Temp. °F	
	270	74	
	248	78	
	232	81	
	216	83	
	196	90	
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	10.84	11.89	55.2
2	10.84	18.74	56.2
3	10.84	25.56	57.2
4	10.84	32.93	59.2
5			
Gas Liquid Hydrocarbon Ratio _____ Dry _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
NO.	P _r	Temp. °R	T _r
	Z	Specific Gravity Separator Gas .505	
1		X X X X X X X X X	
2		X X X X X	
3	NIL	Critical Pressure NIL P.S.I.A.	
4		Critical Temperature NIL R	
5			
P _c 283.2	P _c ² 80.2	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.203$	
NO.	P _w	P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.062$
1	261.2	68.2	12.0
2	245.2	60.1	20.1
3	229.2	52.5	27.7
4	209.2	43.8	36.4
5			
Absolute Open Flow 1,016		Angle of Slope 47.5	
Mcf/d @ 15.025		Slope, n .916	
Remarks:			
Approved By Commission:		Conducted By: J. C. Roberts	Calculated By: J. C. Roberts
		Checked By: L. C. Hudry	