

Form C-122
Revised 10-1-78

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-12-80	
Company Pioneer Production Cor.		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 7-24-80		Total Length 6366'	
Plug Back TD 6310'		Elevation 5555' GL	
Farm or Lease Name Lucerne		Well No. #1E	
Csg. Size 4-1/2"		Perforations: From 6049' To 6035'	
Tub. Size 1-1/4"		Perforations: From open end	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single - gas		Packer Set At	
Producing Thru		Baro. Press. - P _a	
Reservoir Temp. °F #		State NM	
Mean Annual Temp. °F		County San Juan	
L		H	
G _g		G _o	
% CO ₂		% N ₂	
% H ₂ S		Prover	
Meter Run		Taps	
FLOW DATA			
TUBING DATA			
CASING DATA			
Duration of Flow			
NO.	Prover Line Size	X	Orifice Size
1.			
2.			
3.	2" x .500"		48
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.			
2.			
3.	5.524		60
4.			
5.			
NO.	Flow Temp. °F	Gravity Factor F _g	Super. Comp. Factor, F _{sp}
1.			
2.			
3.	1.000	.9393	1.000
4.			
5.			
NO.	R ₁	Temp. °R	T _r
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 1312 P _c ² 1,721,344			
NO.	P ₁ ²	P _w	P _w ²
1.			
2.			
3.		832	692,224
4.			
5.			
(1) $\frac{P_c^2}{P_1^2 - P_w^2} = 1.6726$			
(2) $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 1.4708$			
207 = 0 $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 457$			
Absolute Open Flow 457 Mcf @ 15.025 Angle of Slope 0 Slope, n .75			
Remarks:			
Approved By Division		Conducted By Bud Crane	Calculated By Jim Jacobs
		Checked By:	