

3 - NMOC

2 - Pioneer

1 - EPNG (Clark)

1 - File

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-122
Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-5-81							
Company Pioneer Production Corp.						Connection							
Pool Basin Dakota						Formation Dakota							
Completion Date 1-21-81			Total Depth 6467'			Plug Back TD 6438'			Elevation 5780' GL			Farm or Lease Name Lucerne C	
Csg. Size 4 1/2"		Wt. 11.6#		Set At 6472'		Perforations RKBom 6192 To 6436'		Well No. #1E					
Tbg. Size 1 1/4"		Wt. 2.3#		Set At 6115'		Perforations RKBom To		Unit Sec. Twp. Rge. E 21 28N 11W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 6335' RKB			County San Juan				
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a			State NM				
L		H		G _g		% 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	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							1240 SI		1240 SI		7 days
1.											
2.											
3.	2" X 1/2"			30			82		475		8 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super. Compres. 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 _____ 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

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

(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$ _____

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$ 579

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

Absolute Open Flow <u>579 CAOF</u>		Mcf @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: _____				
Approved by Division _____				
Conducted by: _____		Calculated by: _____		Checked by: _____