

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-6-81			
Company Pioneer Production Corp.				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 1-21-81		Total Depth 6504'		Plug Back TD		Elevation 5822'		Farm or Lease Name Lucerne D	
Coq. Size 4 1/2"	Wt. 11.6#	d	Set At 6503RKB	Perforations: From 6229 To		Well No. #1E			
Thq. Size 1 1/4"	Wt. 2.3#	d	Set At 6135RKB	Perforations: From To		Unit M 21 28N 11W			
Type Well - Single - Prodenhead - G.C. or G.O. Multiple single						Packer Set At		County San Juan	
Producing Thru tubing		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							1070 SI		1080 SI		7 days
1.											
2.											
3.	2" X 1"			29			258		720		8 hrs.
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. Rate of Flow O. Mcfd
1						
2						
3						
4						
5						

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.
1						
2						
3						
4						
5						

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

Absolute Open Flow <u>1416 CAOF</u> Mcfd @ 15.025 Angle of Slope @ Slope, n			
Remarks:			
Approved by Division Conducted By: Calculated By: Checked By:			