

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-13-81			
Company Pioneer Production Corp.				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 2-4-81		Total Depth 6282'		Plug Back TD 6250'		Elevation 5556' GL		Farm or Lease Name Ohio	
Csg. Size 4 1/2"	Wt. 11.6#	d	Set At 6279'	Perforations: From 5985 To 6150		Well No. #1E			
Tbg. Size 1 1/4"	Wt. 2.3#	d	Set At 5882' RKE	Perforations: From To		Unit Sec. Twp. Rge. G 22 28N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru tbg.		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State NM	
L	H	Gg	% 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							650 SI		655 SI		7 days
1.											
2.											
3.	2" x 3/4"			25			190		525		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3							434
4							
5							

NO.	P _r	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 _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 950$

Absolute Open Flow 950 CAOF _____ Mcfd @ 15.025 Angle of Slope Φ _____ Slope, n _____

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
----------------------	---------------	----------------	-------------