

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
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 7-28-80	
Company Pioneer Production Corp.				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date 5-17-80		Total Depth 6425'		Plug Back TD 6337'	
				Elevation 5643'	
Csg. Size 4-1/2"		Wt. 11.6#		Set At 6425'	
Perforations: From 6095		To 6313		Well No. 4E	
Tbg. Size 1-1/4"		Wt. 2.3#		Set At 6008'	
Perforations: From Open		To End		Unit L	
				Sec. 16	
				Twp. 28N	
				Rge. 11W	
Type Well - Single - Brdhead - G.G. or G.O. Multiple Single - Gas				Packer Set At	
Producing Thru tbg				County San Juan	
Reservoir Temp. °F P		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a					
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.	
SI							840		840	
1.										
2.										
3.	2" Critical Flow Prover						304		718	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 Comp. Factor F _{pv}	Rate of Flow Q, Mcfd
1							
2							702
3							
4							
5							

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

$AOF = Q \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1896$			
Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope Φ _____	
Slope, n _____			

Remarks: _____			
Approved By Division	Conducted By Crane	Calculated By Crane	Checked By Jacobs