

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 12-17-80	
Company Pioneer Production Corp.		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 11-23-80		Total Depth 6283	Plug Back TD 6245'
		Elevation 5510' GL	
Form or Lease Name Redfern		Well No. #5E	
Csg. Size 4 1/2"	Wt. 10.5, 11.6	Set At 6276' RKB	Perforations: From 6309 To 6120
Tub. Size 1 1/4"	Wt. 2.3#	Set At 5903.48' RKB	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - gas		Packer Set At	County San Juan County
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
5							955 SI		955 SI		7 days
1											
2											
3	2"	x	3/4"	72			320		670		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. Compres. Factor F _{sc}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _t	P _w	P _c ²	P _c 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		1750 CAOF	Mcfd @ 15.025	Angle of Slope @	Slope, n
Remarks:					
Approved By Division		Conducted By:	Calculated By:	Checked By:	