

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2-18-81	
Company Pioneer Production Corp.		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 1-30-81		Total Depth 6307'	Plug Back TD Elevation 5635' GL
Farm or Lease Name Phillips		Well No. #2E	
Coq. Size 4 1/2"	Wt. 11.6#	Set At 6308' RKB	Perforations: From 6053 To 6214
Tbg. Size 1 1/4"	Wt. 2.3#	Set At 5958' RKB	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single - gas		Packer Set At	
Producing Thru tbg.		Baro. Press. - P _a	
Reservoir Temp. *F p		Mean Annual Temp. *F	
County San Juan		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							710		710		7 days
1.											
2.											
3.	2"	X	3/4"	29			190		545		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							
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	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _t ²	P _w ²	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						

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 985 \text{ AOF}$

Absolute Open Flow	985 CAOF	Mcf @ 15.025	Angle of Slope θ	Slope, n
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Remarks:

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