

3-NMOCD 1-Pioneer (Ingle) 1-Pioneer (Pendergrass) 1-El Paso 1-File
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-85

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-19-80			
Company Pioneer Production Corp.				Connection				
Pool Basin Dakota				Formation Dakota				Unit
Completion Date 2-19-80		Total Depth 6395'		Plug Back TD 6321'		Elevation 5584'		Farm or Lease Name Reid
Csq. Size 4-1/2"	Wt. 11.6	d 	Set At 6394 RKB	Perforations: From 6121 To 6330		Well No. 1E		
Tbg. Size 1-1/4	Wt. 2.4#	d 	Set At 6212	Perforations: From Open To End		Unit Sec. Twp. Rge. J 13 29 12		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At		County San Juan	
Producing Thru tbq		Reservoir Temp. °F 		Mean Annual Temp. °F 		Baro. Press. - P _g		State New Mexico
L	H	G _g .650	% 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							1140		1140		7 days
1.											
2.											
3.	2"	X	1/4"	272		60 ⁰	364		760		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 Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	1.4033		284	1.000	.9608	1.028	394
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

P _c 1152	P _c ² 1,327,104			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		772	595,984	731,120
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.8152}{1.8152 - 0.616^2} = 1.8152$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 616$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.5638}{1.8152 - 0.616^2} = 1.5638$$

Absolute Open Flow 616 Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		
Approved By Commission:	Conducted By: Jacobs	Calculated By:
		Checked By:

