

3 MCCC 1 Pioneer 1 El Paso 1 File

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin-Dakota				Formation Dakota				County San Juan			
Initial X		Annual		Special		Date of Test 12-21-65					
Company Pioneer Production Corp.				Lease Rhodes				Well No. 1			
Unit G	Sec. 20	Twp. 28N	Range 11W		Purchaser						
Casing 4 1/2"	Wt. 10.5#	I.D.	Set at 6299		Perf. 6104		To 6234				
Tubing 2 3/8"	Wt. 4.7#	I.D.	Set at 6165		Perf. Open End		To				
Gas Pay:		From	To	L	G	GL	Bar. Press.				
						.65 est.					
Producing Through:		Casing		Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas					
Date of Completion 12-4-65		Packer		Reservoir Temp.							
OBSERVED DATA											
Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps					
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
1.						1954		1954			
2.		3/4"	424		630			1034		3 Hrs.	
3.											
4.											
5.											
FLOW CALCULATIONS											
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia				
1.											
2.	12.365		436	.9924	.9608	1.044					
3.											
4.											
5.											
PRESSURE CALCULATIONS											
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____						
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____						
F _c _____ (1-e ^{-S}) _____					P _c 1966 P _c ² 3,865,156						
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$		
1.											
2.	1046					1,094,116	2,771,040		1.3948		
3.											
4.											
5.											

ABSOLUTE POTENTIAL: 6888 MCFPD; n = .75 1.2834

COMPANY Pioneer Production Corp. WITNESSED _____

ADDRESS Box 234, Farmington, New Mexico COMPANY _____

AGENT AND TITLE Original signed by T. A. Dugan
Consulting Engineer

