

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-10-80			
Company Southland Royalty Company				Connection Southern Union Gathering					
Pool Basin				Formation Dakota				Unit	
Completion Date 11-10-80		Total Depth 7450'		Plug Back TD 7450'		Elevation 6219' GR		Farm or Lease Name Patterson "B" Com	
Core Size 7.000 4.500	Wt. 23# 10.5#	d 6.366 4.052	Set At 5064' 4925'-7450'	Perforations: From To		Well No. #1E			
Thq. Size 2.375	Wt. 4.7#	d 1.995	Set At 7415'	Perforations: From 7207' To 7447'		Unit M	Sec. 2	Twp. 31N	Rge. 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At -----		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a 12.2		State NM	
L	H	Gg .700	% 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.	
1.							1141		1164	
2.							16 OZ.		350	
3.										
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.			PITOT TUBE	GAUGE ON 2"	LINE		615
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

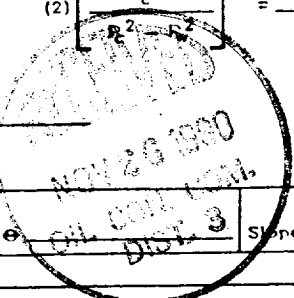
P_c^2 P_c^2 P_w^2 P_w^2 $P_c^2 - P_w^2$

NO.	P_c^2	P_w^2	$P_c^2 - P_w^2$
1.			
2.			
3.			
4.			
5.			

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

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

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



Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
Remarks: _____			

Approved By Division	Conducted By: Leroy Castleman	Calculated By: James Smith	Checked By: L. O. Van Ryan
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