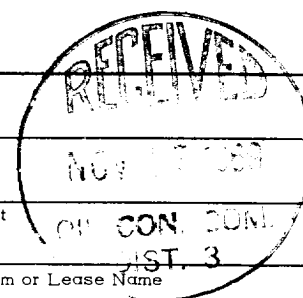


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11/14/69				
Company SOUTHERN UNION PRODUCTION CO.					Connection SOUTHERN UNION GATHERING COMPANY				
Pool BLANCO					Formation MESAVERDE				
Completion Date 10/22/69			Total Depth 5750		Plug Back TD 5716		Elevation 6186		Unit PAYNE
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 5750	Perforations: From 4872 To 5384					Well No. 4
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 5350	Perforations: From 5342 To 5350					Unit Sec. Twp. Rge. H 22 32N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packer Set At			County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State NEW MEXICO	
L 5330	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.		Temp. °F
SI	2"		3/4"				765		759		7 DAYS
1.							194	68°	462		3 HOURS
2.											
3.											
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	12.3650		206	0.9924	0.9258	1.022	2,392
2.							
3.							
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 771	P _c ² 594,441	
NO.	P _t ²	P _w ²
1	474	224,676
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.6076}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.4276}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{3,415}$

Absolute Open Flow 3,415 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: _____		

Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY
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