

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 5/26/70	
Company SOUTHERN UNION PROD. CO.			Connection SOUTHERN UNION GAS COMPANY		
Pool FULCHER KUTZ			Formation PICTURED CLIFFS		Unit
Completion Date		Total Depth	Plug Back TD	Elevation	Farm or Lease Name WILSON
Csg. Size 5.500	Wt. 15.500	d 4.950	Set At 1806	Perforations: From 1796 To 1840	Well No. 1
Tbg. Size 1.315	Wt.	d 1.049	Set At	Perforations: From To	Unit Sec. Twp. Rge. H 31 29N 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 1827	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
SI	2"		3/4"				347		7 DAYS
1.							12		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		24	1.0010	0.9258	1.000	275
2.							
3.							
4.							
5.							

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

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MAY 27 1970
OIL CON. COM.
DIST. A-3

P _c 359	P _c ² 128,881	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4006$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3315$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		192	36,864	92,017
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 366$

Absolute Open Flow 366	Mcf @ 15.025	Angle of Slope °	Slope, n 0.85
Remarks:			

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