

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 5/1/75	
Company Southern Union Production Co.				Connection Southern Union Gathering Company		
Pool Fulcher Kutz				Formation Pictured Cliffs		Unit
Completion Date 4/13/75		Total Depth 1804		Plug Back TD 1779		Elevation 5512 G.L.
Farmer or Lease Name Garland						
Csg. Size 2.875	Wt. 6.40	d 2.441	Set At 1804	Perforations: From 1648 To 1678		Well No. 1-R
Tbg. Size 1.315	Wt.	d 1.049	Set At 1617	Perforations: From NO PERFS To		Unit Sec. Twp. R1/4 M 27 29N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		State New Mexico
L 1605	H	Gg 0.620	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Cups

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"				222		222		7 Days
1.							6	64°	182		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		18	0.9962	0.9837	1.000	218
2.							
3.							
4.							
5.							

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

P _c 234	P _c ² 54,756		
NO.	P _t ²	P _w	P _w ²
1		194	37,636
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{54,756}{54,756 - 37,636} = 3.1984$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 586$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.6864}{3.1984} = 0.85$$

Absolute Open Flow	Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks:

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By:
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