

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 9/12/68	
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY		
Pool SOUTH BLANCO				Formation PICTURED CLIFFS		Unit
Completion Date 8/23/68		Total Depth 7540		Plug Back TD 7504		Elevation 6683
Farm or Lease Name JICARILLA "JH"						Well No. 14
Csg. Size 7.625	Wt. 26.40	d 6.969	Set At 3319	Perforations: From 3064 To 3130		
Tub. Size 1.900	Wt. 2.75	d 1.610	Set At 3099	Perforations: From 3091 To 3099		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS				Packer Set At 7206		County RIO ARriba
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		State NEW MEXICO
L 3079	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
1.	2"		3/4"				989		989		18 DAYS
2.							225	53°	652		3 HOURS
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		237	1.0068	.9258	1.029	2811
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
4.					Critical Pressure	_____ P.S.I.A.
5.					Critical Temperature	_____ R

P _c 1001	P _c ² 1,002,001	
NO.	P _t ²	P _w ²
1.	664	140,896
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.7858}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{4602}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.6370}$

Absolute Open Flow 4602 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		

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