

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 10/30/70	
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 10/13/70		Total Depth 7935		Plug Back TD 7888		Elevation 6745
Farm or Lease Name JICARILLA #G#						Well No. 1
Csg. Size 7.000	Wt. 23.00	d 6.456	Set At 5126	Perforations: From 7660 To 7858		
Tbg. Size 5.000	Wt. 15.00	d 4.408	Set At 7934	Perforations: From 7674 To 7682		
Unit L	Sec. 1	Twp. 26N	Rge. 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS				Packer Set At 7510		County RIO ARriba
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F @		State NEW MEXICO
L 7664	H	Gg 0.790	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"				2482				15 DAYS
1.							146	59°			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		158	1.0010	0.9258	1.018	1,843
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 _____ 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 2494	P _c ² 6,220,036	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0546$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0406$
NO.	P _t ²	P _w	P _w ²
1		322,212	5,897,824
2.			
3.			
4.			
5.			

Absolute Open Flow 1,918 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			

Approved By Commission: NOV 2 1970	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY
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