

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

Form C-122
Revised 9-14-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/2/70				
Company Southern Union Production Co.				Connection Southern Union Gas Company					
Pool Basin				Formation Dakota				Unit OIL	
Completion Date 11/2/70		Total Depth 8555		Plug Back TD 8535		Elevation 7389		Farm or Lease Name Jicarilla "G"	
Csg. Size 7.625	Wt. 26.40	d 6.969	Set At 4349	Perforations: From 8312 To 8526		Well No. 9			
Tub. Size 5.500	Wt. 15.50	d 4.950	Set At 8554	Perforations: From 8343 To 8351		Unit Sec. Twp. Rge. B 1 26N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 8181		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 8331	H	Gg 0.700	% 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"				2297				15 days
2.							128	56°			3 hrs.
3.											
4.											
5.											

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		140	1.0039	0.9258	1.015	1633
2.							
3.							
4.							
5.							

NO.	P _t	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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	21,904		271,882	5,059,599	1.0537	1.0399
2.						
3.						
4.						
5.						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1698$

Absolute Open Flow	1698	Mcf @ 15.025	Angle of Slope ϕ	Slope, n	0.75
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Remarks: _____

Approved By Commission: DEC 4 1970	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By: Kenneth E. Roddy
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