

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 8/29/68			
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 8/18/68		Total Depth 7617		Plug Back TD 7570		Elevation 6712		Farm or Lease Name JICARILLA "JM"	
CS 7.825 4.500	Wt. 26.40 10.50	d 6.969 4.052	Set At 3393 3205-7575	Perforations: From 7326 To 7562		Well No. 13			
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 7251	Perforations: From To		Unit Sec. Twp. Rge. 1 36 26N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS				Packer Set At 7246		County RIO ARriba			
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a 12		State NEW MEXICO	
L 7234	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	
SI	2"		3/4"				2195				7 DAYS
1.							334	70°			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		346	.9905	.9258	1.039	4076
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 X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 2207	P _c ² 4,870,849	
NO.	P _t ²	P _w
1	119,716	572,061
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1331$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0982$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,476$$

Absolute Open Flow 4,476 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		

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