

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 10/21/71	
Company Southern Union Production Co.				Southern Union Gas Company	
Basin Dakota				Jicarilla "A"	
Completion Date 10/13/71		Total Depth 8350		Flow Back To 8319	
Perforations: From 7094 To 8274		Perforations: From 8136 To 8144		Well No. 12	
Tubing Size 1.900		Set At 8144		Unit Sec. Twp. Rje. D 24 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7917	
Producing Thru Tubing		Reservoir Temp. °F 8		Baro. Press. - P _g 12	
L 8124		H 0.700		Prover Meter Run	

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"				2100				7 Days
1.							120	60°			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 F _g	Super Compress. Factor, F _{ov}	Rate of Flow Q, Mscf/d
1	12.3650		132	1.0000	0.9258	1.015	1534
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 _____ F _____ R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0553$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0411$
1	2112	4,160.544	233,558	4,226,986		
2						
3						
4						
5						

Absolute gas flow 1597		Mscf @ 15.025		Angle of Slope @ _____		Slope, n 0.75	
Remarks: _____							

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