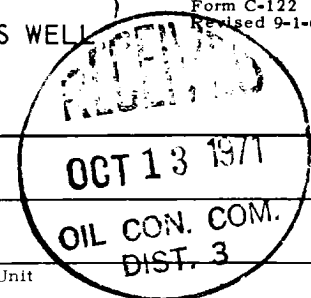


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/11/71	
Company Southern Union Production Co.				Connection Southern Union Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date		Total Depth 8000		Plug Back TD 7956		Elevation 6892
Farm or Lease Name Jicarilla "A"						Well No. 13
Gas Size 7.625 4.500	Wt. 26.40 10.50	d 6.969 4.052	Set At 3727 3670-7992	Perforations: From 7746 To 7941		Unit 13
Thq. Size 1.900	Wt. 2.90	d 1.610	Set At 7709	Perforations: From 7701 To 7709		Unit E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7701		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12		State New Mexico
L 7693	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	
SI	2"		3/4"				2070				8 Days
1.							130	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 Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	12.3650		142	1.0000	0.9258	1.016	1652
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

P_c 2082 P_c^2 4,334,724				
NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			259,731	4,074,993
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0637$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0473$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1730$$

Absolute Open Flow 1730 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 75
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Remarks: _____

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