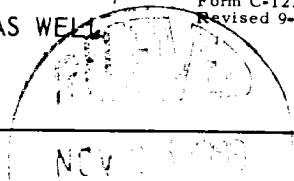


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11/22/69				
Company Southern Union Production Co.			Connection Southern Union Gas Company						
Pool Undesignated			Formation Gallup			Unit 8			
Completion Date 9/8/69		Total Depth 7725		Plug Back TD 7681		Elevation 6726		Farm or Lease Name Jicarilla "H"	
Gas Sp. Gr. 1.825	Wt. 26.40	d 6.969	Set At 3512	Perforations: From 6992 To 6998		Well No. 8			
Thg. Size 1.900	Wt. 2.76	d 1.610	Set At 6980	Perforations: From 6972 To 6980		Unit P	Sec. 19	Twp. 26N	Rge. 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas					Packer Set At 7325		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a 12		State NM	
L 6960	H 6960	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"				1074		1165		7 days
1.							37	51°	276		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, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		49	1.0088	0.9258	1.000	566
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 1177	P _c ² 1,385,329		
NO.	P _t ²	P _w	P _w ²
1		288	82,944
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0637}{1.0637 - 0.0000} = 1.0637$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{1.0637}{1.0637 - 0.0000} \right]^n = 1.0473$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 593$$

Absolute Open Flow 593	Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			

Approved By Commission:	Conducted By: Val A. Ripper	Calculated By: Kenneth E. Roddy	Checked By: Kenneth E. Roddy
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