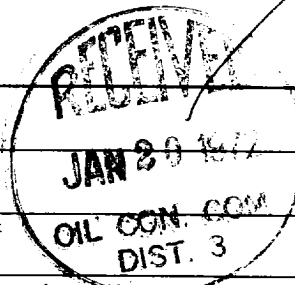


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/14/72	
Company Southern Union Production Co.				Connection El Paso Natural Gas Company	
Pool Otero				Unit Gallup	
Completion Date 12/22/71		Total Depth 7210		Plug Back TD 7173	
Elevation 6752 GL		Farm or Lease Name Jicarilla "L"			
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 7209	Perforations: From 6066 To 6356	
Tbg. Size 2.0625	Wt. 3.25	d 1.750	Set At 6176	Perforations: From 6168 To 6176	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Oil				Packer Set At 6900	
Producing Thru Tabing		Reservoir Temp. °F @		Baro. Press. - P _a 12	
Mean Annual Temp. °F		County Rio Arriba		State New Mexico	
L 6158	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"				482		885		14 Days
1.							21	56°	336		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		33	1.0039	0.9258	1.000	379
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 897	P _c ² 804,609	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1772}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.1301}$
NO.	P _t ²	P _w	P _w ²
1		348	121,104
2			
3			
4			
5			

Absolute Open Flow 428 Mcfd @ 15.025		Angle of Slope θ _____	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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