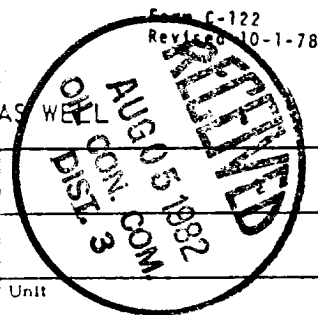




MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-28-82	
Company Southland Royalty Company		Connection El Paso Natural Gas Company	
Pool Flora Vista		Formation Gallup	
Completion Date 7-12-82		Total Depth 6939'	Plug Back TD 6893'
Elevation 5826' GL		Farm or Lease Name Tommy Bolack	
Csq. Size 5.500	Wt. 15.5#	d 4.950	Set At 6939'
Perforations: From To		Well No. 1-E	
Inq. Size 1.900	Wt. 2.76#	d 1.610	Set At 6078'
Perforations: From 6036' To 6067'		Unit Sec. Twp. Rye. J 1 30N 12W	
Type Well - Single - Brdhead - G.G. or G.O. Multiple G. G. Multiple		Packer Set At 6106'	County San Juan
Producing Thru Tubing	Reservoir Temp. °F θ	Mean Annual Temp. °F	Baro. Press. - P _a 12.2
State New Mexico			
L	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							784		785		
1.	2"	X	3/4"				19		244		1 hr
2.							4		211		2 hrs
3.							2		243		3 hrs
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	12.365		14.2	1.0000	.9258	1.0000	163
2.							
3.							
4.							
5.							

NO.	P _f	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 797.2	P _c ² 635527.8	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1142$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0845$
NO.	P _f ²	P _w	P _w ²
1		255.2	65127.0
2			
3			
4			
5			

Absolute Open Flow _____ 177 _____ Mcfd @ 15.025		Angle of Slope θ _____ Slope, n .75	
Remarks: _____			
Approved By Division		Conducted By: Richard Lopez	Calculated By: James Smith
		Checked By: R. E. Fielder	