

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

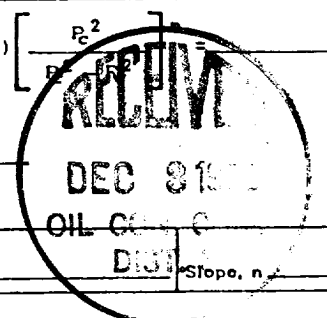
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-12-79	
Company Southland Royalty Company				Connection Southern Union Gathering		
Pool Basin				Formation Dakota		Unit
Completion Date 11-05-79		Total Depth 6646'		Plug Back TD 6600'		Elevation 5819' GR
Csg. Size 4.500	Wt. 10.50#	d 4.052	Set At 6646'	Perforations: From 6383 To 6562'		Well No. 1-E
Tbg. Size 2.375	Wt. 4.70#	d 1.995	Set At 6553'	Perforations: From ---- To ----		Unit Sec. Twp. Rye. E 13 29N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan
Producing Thru Tbg		Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	PITOT TUBE TEST						996#		1001#		24 Hrs
2.							3.0		195		
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.							1065
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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1.					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____	
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____ Slope, n	
Remarks: _____			
Approved By Commission:		Conducted By: Leroy Castleman	
Calculated By: James Smith		Checked By:	