STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

NOV 1 0 1982
OIL CON. DIV.

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 11-10-82	
Company: Southland Royalty Company	Connection: Northwest Pipeline Corporation			Unit
Pool: Blanco	Formation: Mesaverde			
Completion Date: 10-21-82	Total Depth: 6200'	Plug Back TD: 6102'	Elevation: 6773' GL	Farm or Lease Name: La Jara
Csg. Size: 7.000 / 4.500 — Wt.: 23# / 10.5# — d: 6.366 / 4.052 — Set At: 3950' / 3727-6134'		Perforations: From — To		Well No.: 1R
Tbg. Size: 2.375 — Wt.: 4.7# — d: 1.995 — Set At: 5954'		Perforations: From 5674' To 5974'		Unit: M — Sec.: 10 — Twp.: 29N — Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. - Multiple		Packer Set At: 3819'		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						859				
1.	2"	X 3/4"				149				1 hr.
2.						129				2 hrs.
3.						114				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, Fpv	Rate of Flow Q, Mcfd
1	12.365		126.2	1.0000	.9258	1.0000	1445
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 871.2 P_c^2 758989.4

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		126.2	15926.4	743063
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0214$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0160$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1468$

Absolute Open Flow 1468 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Steve McCament	James Smith	R. E. Fielder