NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 5-31-79	
Company: Southland Royalty Company	Connection: Northwest Pipeline Corporation			
Pool: Blanco	Formation: Mesa Verde			Unit:
Completion Date: 5-24-79	Total Depth: 6595'	Plug Back TD: 6503'	Elevation: 7050' GR	Farm or Lease Name: Reese Mesa
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.5#	d: 6.456 / 4.052	Set At: 4212 / 4034-6595'	Perforations: From 6069' To 6429'
Well No.: 2-A				
Tbg. Size: 2.375	Wt.: 4.70#	d: 1.995	Set At: 6408'	Perforations: From To
Unit: J	Sec.: 11	Twp.: 32N	Rge.: 8W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Multiple		Packer Set At: 4155'	County: San Juan	
Producing Thru: Tbg	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					1130				
1.	2" X 3/4"				194				1 hr
2.					145				2 hrs.
3.					129				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		141.2	1.0000	.9258	1.0000	1616
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 1142.2 P_c^2 1304,621

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		141.2	19,937	1284,684
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0155$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0116$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,635$

JUN 15 1979

Absolute Open Flow 1,635 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Dwayne Horton	James Smith	