

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-88

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		11-24-82	
Company				Connection							
Southland Royalty Company				Northwest Pipeline Corporation							
Pool				Formation				Unit			
Blanco				Mesaverde							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
11-03-82		8035'		7983'		6453' GL		Cat Draw			
Csq. Size	Wt.	d	Set At	Perforations:		Well No.					
5.500	17#	4.892	8033'	From To		1E					
Tbg. Size	Wt.	d	Set At	Perforations:		Unit		Sec.	Twp.	Rge.	
1.900	2.76#	1.610	5770.67'	From 5435' To 5756'		C		4	30N	5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
G. G. - Multiple						5935'		Rio Arriba			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		State			
Tubing		8				12.2		New Mexico			
L	H	Cq	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			
		.700									

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
1.	2"	X	3/4"				1181		1181		1 hr
2.							166		691		2 hrs
3.							146		624		3 hrs
4.							134		579		
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		146.2	1.0000	.9258	1.0000	1674
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3254$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2352$
1.	591.2	349517.4	1074208.8			
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2068$

Absolute Open Flow 2068 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .75
Remarks: _____			
Approved By Division		Conducted By: Steve McCament	Calculated By: James Smith
		Checked By: R.E. Fielder	