

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 7-15-79	
Company Southland Royalty Company		Connection Northwest Pipeline Corporation	
Pool Blanco		Formation Mesa Verde	
Completion Date 7-08-79	Total Depth 6150'	Plug Back TD 6015'	Elevation 6547' GR
Farm or Lease Name Rattlesnake Canyon		Well No. 1-A	
Csg. Size 7.000" 4.500"	Wt. 6.5# 10.50#	d 6.456 4.052	Set At 3735' 3569-6105'
Perforations: From 5761' To 5884'		Well No. 1-A	
Tbg. Size 2.375	Wt. 4.70#	d 1.995	Set At 5869'
Perforations: From To		Unit Sec. Twp. Rge. P 32 32N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple		Packer Set At 3610' PBR	
Producing Thru Tbg		Baro. Press. - P _a 12.2	
Reservoir Temp. °F @		Mean Annual Temp. °F	
L	H	G _g .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.	
SI							1128			
1.	2" X 3/4"						195			1 hr
2.							170			2 hrs
3.							164			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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		176.2	1.0000	.9258	1.0000	2017
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ 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 _t ² - P _w ²
1		176.2	31,046	1269010
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0245$

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 2054$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0183$

Absolute Open Flow 2054	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks:			
Approved By Commission:	Conducted By: Dwayne Horton	Calculated By: James Smith	Checked By: