

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-11-81			
Company Southland Royalty Company				Connection Northwest Pipeline Corporation					
Pool East Blanco				Formation Pictured Cliffs Extension				Unit	
Completion Date 10-15-81		Total Depth 4310'		Plug Back TD 4292'		Elevation 7277' GL		Farm or Lease Name Bixler Ranch	
Csq. Size 4.500	Wt. 10.5#	d 4.052	Set At 4329'	Perforations: From To		Well No. 1			
Tbg. Size 1.900	Wt. 2.9#	d 1.610	Set At 4210'	Perforations: From 4002' To 4263'		Unit Sec. Twp. Rge. E 26 30N 4W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At -----		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1010		1010		
1.	2"		3/4"				60		470		1 hr
2.							34		364		2 hrs
3.							27		350		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		39.2	1.0000	.9258	1.0000	449
2.							
3.							
4.							
5.							

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

P _c 1022.2	P _c ² 1044892.8	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1436$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1208$
NO.	P _t ²	P _w	P _w ²
1		362.2	131188.8
2			
3			
4			
5			

Absolute Open Flow		503	Mcfd @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:			
Approved By Division	Conducted By: Leroy Castleman	Calculated By: James Smith	Checked By: L. O. Van Ryan