

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 2-22-79	
Company Southland Royalty Company		Connection Southern Union Gathering Company	
Pool Blanco		Formation Mesaverde	
Completion Date 2-15-79		Total Depth 5376'	Plug Back TD 5270'
Elevation 6254' GR		Farm or Lease Name Thompson	
Csg. Size 7.000 4.500	Wt. 20# 10.5#	d 6.456 4.052	Set At 2880' 2728'-5326'
Perforations: From 4957' To 5225'		Well No. #9A	
Tq. Size 2.375	Wt. 4.7#	d 1.995	Set At 5206'
Perforations: From To		Unit Sec. Twp. R12W I 28-T31N	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At ---
Producing Thru Tbg.		Reservoir Temp. °F @	Mean Annual Temp. °F
Baro. Press. - P _g 12.2		State New Mexico	
L	H	Gg .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							906		906	
1.	2"	X	3/4"				319		685	1 hr
2.							289		626	2 hrs
3.							271		594	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		283.2	1.0000	.9258	1.0000	3,242
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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

$P_c = 918.2$ $P_c^2 = 843,091$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		606.2	367,478	475,613
2				
3				
4				
5				

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.7726$

$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5363$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,981$

Stamp: FEB 24 1979

Absolute Open Flow 4,981 Mcfd @ 15.025	Angle of Slope 75
Remarks:	

Approved By Commission:	Conducted By: Jim Bacon	Calculated By: James Smith	Checked By:
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