

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-9-78	
Company Southland Royalty Company		Connection Southern Union Gathering Company	
Pool Blanco		Formation Pictured Cliffs	
Completion Date 12-1-78		Total Depth 5610'	Plug Back TD 5400'
Elevation 6416' GR		Farm or Lease Name Hill	
Csg. Size 7.000	Wt. 23#	d 6.366	Set At 3414'
4.500	10.5#	4.052	3284-5610'
Perforations: From 3130' To 3169'		Well No. #1A	
Tbg. Size 1.660	Wt. 2.3#	d 1.380	Set At 3151'
Perforations: From To		Unit Sec. Twp. Rge. F 4 - T29N-R8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple		Packer Set At 3390'	County San Juan
Producing Thru Tbg.		Reservoir Temp. °F p	Mean Annual Temp. °F
Baro. Press. - P _a 12.2		State New Mexico	
L	H	Gg .700	% CO ₂
		% N ₂	% H ₂ S
Prover		Meter Run	Taps
FLOW DATA			
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.
			Diff. hw
			Temp. °F
SI			
1.	2" X 3/4"		
2.			
3.			
4.			
5.			
TUBING DATA			
		Press. p.s.i.g.	Temp. °F
CASING DATA			
		Press. p.s.i.g.	Temp. °F
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		126.2
2.			
3.			
4.			
5.			
NO.	P _t	Temp. °R	T _r
			Z
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 900.2 P _c ² 810,360			
NO.	P _t ²	P _w	P _w ²
			P _c ² - P _w ²
1		527.2	277,940
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5220$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4291$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,065$			
Absolute Open Flow 2,065 Mcfd @ 15.025			
Angle of Slope θ _____ Slope, n .85			
Remarks: _____			
Approved By Commission:		Conducted By: Dwayne Horton	Calculated By: James Smith
		Checked By:	