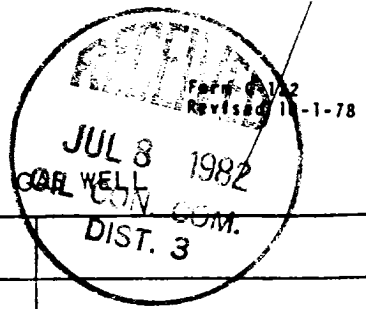




MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-30-82	
Company Southland Royalty Company		Connection Southern Union Gathering	
Pool Blanco		Formation Pictured Cliffs	
Completion Date 6-11-82		Total Depth 4987'	Plug Back TD 4938'
		Elevation 5806' GR	Farm or Lease Name F. J. Titt
Cas. Size 7.000 4.500 tbg size 1.660	Wt. 20# 10.50# 2.40#	d 6.456 4.052 1.380	Set At 2695' 2537'-4985' 2512'
Perforations: From To		Well No. 2-A	
Perforations: From 2400' To 2519'		Unit Sec. Twp. Rge. 0 35 31N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. - Multiple		Packer Set At 2651'	County San Juan
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _g 12.2
State New Mexico			
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							546		548	
1.	2"	X	3/4"				47		192	1 hr
2.							32		151	2 hrs
3.							25		129	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, Mc/d
1	12.365		37.2	1.0000	.9258	1.0000	426
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbl.
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 560.2 P _c ² 313824.0				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		141.2	19937.4	293886.6
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0678$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 450$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0574$

Absolute Open Flow _____ 450 _____ Mc/d @ 15.025	Angle of Slope θ _____	Slope, n _____
Remarks: _____		

Approved By Division	Conducted By: Don Thompson	Calculated By: James Smith	Checked By: R. E. Fielder
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