

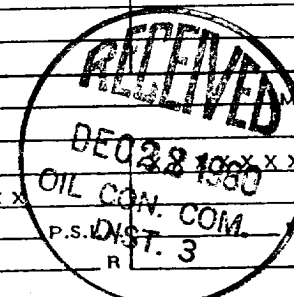
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-22-80			
Company Southland Royalty Company				Connection Southern Union Gathering					
Pool Fulcher Kutz				Formation Pictured Cliffs				Unit	
Completion Date 3-7-80		Total Depth 1904'		Plug Back TD 1891'		Elevation 5640' GR		Farm or Lease Name Reid PRI	
Csg. Size 8.625	Wt. 24#	d 8.071	Set At 133'	Perforations: From 1723 To 1747			Well No. #2		
Thg. Size 2.875	Wt. 6.5	d 2.441	Set At 1891'	Perforations: From To			Unit K	Sec. Twp. Rye. 13 29N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At --		County San Juan	
Producing Thru Csg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 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									173#	
1.	2"x3/8"								42#	15m.
2.									21#	30m.
3.									22#	45m.
4.									11#	60m.
5.									4#	120m.
									2#	180m.

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	3.0300		14.2	1.0000	.9258	1.0000	40
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Oil/ bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	X X X X
3.					Specific Gravity Flowing Fluid	X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 185.2 P _c ² 34299.0					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0059$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0059$	
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²				
1		14.2	201.6	34097.4				
2								
3								
4								
5								

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 40$

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .85	
Remarks: _____					

Approved By Division	Conducted By: Odell Farley	Calculated By: James Smith	Checked By:
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