

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-15-82	
Company Southland Royalty Company				Connection Southern Union Gathering	
Pool Basin				Formation Dakota	
Completion Date 6-3-82		Total Depth 6320'		Plug Back TD 6276'	
Elevation 5862' GL		Farm or Lease Name Sammons			
Csq. Size 5.500	Wt. 15.5#	d 4.950	Set At 6306'	Perforations: From To	
Tbg. Size 2.375	Wt. 4.7#	d 1.995	Set At 6206'	Perforations: From 6108' To 6206'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---	
Producing Thru Tubing		Reservoir Temp. °F 8		Baro. Press. - P _a 12.2	
County San Juan		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.	
1.	PITOT TUBE						1100		1340	
2.							4-1/2 #		330#	
3.										
4.										
5.										

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, F _{pv}	Rate of Flow Q, Mcfd
1.							1304
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$ _____	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$ _____
1.						
2.						
3.						
4.						
5.						

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

Approved By Division	Conducted By: Leroy Castleman	Calculated By: James Smith	Checked By: C. C. Parsons
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