

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 5/28/82	
Company SCHALK DEVELOPMENT CO.		Connection NEW COMPLETION	
Pool BLANCO MESA VERDE		Formation MESA VERDE	
Completion Date 5/13/82		Total Depth 6234	Plug back TD 6177
		Elevation 6636	Farm or Lease Name SCHALK 94
Cas. Size 4.5	Wt. 11.60#	Set At 6233	Perforations: From 5542 To 5998
Tub. Size 2.375	Wt. 4.70#	Set At 5869	Perforations: From To
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single - Gas		Packer Set At None	County San Juan
Producing Thru Tubing		Reservoir Temp. °F #	Mean Annual Temp. °F
Baro. Press. - P _a 120		State New Mexico	
L	H	G _g	% CO ₂
		% N ₂	% H ₂ S
Prover 3/4" Choke		Meter Run	Taps
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			Press. p.s.i.g.
1.	2	x	.750
2.			
3.			
4.			
5.			
TUBING DATA			
	Press. p.s.i.g.	Temp. °F	
	1130		
	93	60°	
CASING DATA			
	Press. p.s.i.g.	Temp. °F	
	1125		
	440		
Duration of Flow SIP			
3 hrs.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	9.604		105
2.			
3.			
4.			
5.			
NO.	R ₁	Temp. °R	T _r
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 1137 P _c ² 1292769			
NO.	P ₁ ²	P _w	P _w ²
1		452	204304
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1876$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1376$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1496$			
Absolute Open Flow 1496		Mcf @ 15.025	Angle of Slope @
		Slope, n .75	
Remarks:			
Approved By Division		Conducted By: D. E. ELLIOTT	Calculated By: J. E. EVANS
		Checked By:	