

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☒ Special			Test Date 5/19/82	
Company SCHALK DEVELOPMENT COMPANY			Connection NEW COMPLETION	
Pool BLANCO MESA VERDE			Formation MESA VERDE	
Completion Date 5/5/82		Total Depth 6310'	Plug Back TD 6220'	Elevation 6710'
Csq. Size 4.500	Wt. 11.6#	Set At 6310'	Perforations: From 5681' To 6080'	
Thq. Size 2.375	Wt. 4.7#	Set At 6004'	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE-GAS			Packer Set At NONE	Farm or Lease Name SCHALK 94
Producing Thru TUBING		Reservoir Temp. °F #	Mean Annual Temp. °F	Well No. 4A
			Baro. Press. - P _a 12.0	Unit Sec. Twp. Rge. 26 32N 8W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE-GAS		Packer Set At NONE		County SAN JUAN
Producing Thru TUBING		Reservoir Temp. °F #	Mean Annual Temp. °F	State NEW MEXICO
L H Gg		% CO ₂	% N ₂	% H ₂ S
		Prover 3/4" CHOKE		
		Meter Run		
		Taps		
FLOW DATA				
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.
SI				
1.	2	X	.750	109
2.				
3.				
4.				
5.				
TUBING DATA				
			Press. p.s.i.g.	Temp. °F
			1085	
			109	
CASING DATA				
			Press. p.s.i.g.	Temp. °F
			1085	
			589	
RATE OF FLOW CALCULATIONS				
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.
1	.9604		121	1.000
2.				
3.				
4.				
5.				
NO.	R _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.				
1.				
2.				
3.				
4.				
5.				
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 1097 P_c^2 1203409				
NO.	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		601	361201	842208
2				
3				
4				
5				
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4288$				
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3068$				
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1988$				
Absolute Open Flow 1988 Mcfd @ 15.025 Angle of Slope 0 Slope, n .75				
Remarks:				
Approved By Division Conducted By: R. ELLIOTT Calculated By: J.E. EVANS Checked By:				