STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☐ Initial ☐ Annual ☒ Special			Test Date: 5/11/82	
Company: SCHALK DEVELOPMENT COMPANY	Connection: NEW COMPLETION			Unit
Pool: BLANCO MESA VERDE	Formation: MESA VERDE			
Completion Date: 4/28/82	Total Depth: 6390'	Plug Back TD: 6348'	Elevation: 6796'	Farm or Lease Name: SCHALK 94
Csg. Size: 4.500 / Wt.: 10.5# / d: / Set At: 6390'	Perforations: From 5831' To 6071'			Well No.: 4
Tbg. Size: 2.375 / Wt.: 4.7# / d: / Set At: 6004'	Perforations: From To			Unit: — Sec.: 26 Twp.: 32N Rge.: 8W
Type Well – Single – Bradenhead – 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: 12.0	State: NEW MEXICO
L:	H:	Gg:	% CO_2:	% N_2:	% H_2S:	Prover: 3/4" CHOKE	Meter Run:	Taps:

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							1130		1130		SIP
1.	2	X	.750	57		60°	57		381		3 hrs
2.											
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, Fpv	Rate of Flow Q, Mcfd
1	9.604		69	1.000	1.296	1.006	864
2.							
3.							
4.							
5.							

NO.	P_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.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
JUL 26 1982
OIL CON. COM.
DIST. 3

P_c 1142 P_c^2 1304164

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		393	154449	1149715
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1343$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.099$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 950$

Absolute Open Flow 950 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	R. ELLIOTT	J.E. EVANS	