STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☐ Initial ☐ Annual ☒ Special				Test Date: 2/12/82	
Company: M. R. SCHALK		Connection: NEW COMPLETION			
Pool: BASIN DAKOTA		Formation: DAKOTA		Unit:	
Completion Date: 1/30/82	Total Depth: 6350'	Plug Back TD:	Elevation: 5562'	Farm or Lease Name: STATE GAS COM	
Csg. Size: 5.500 / Wt.: 15.5# / d: / Set At: 6348'		Perforations: From 6090' To 6205'		Well No.: "BI" #1E	
Tbg. Size: 2.375 / Wt.: 4.7# / d: / Set At: 6211'		Perforations: From To		Unit: / Sec.: 16 / Twp.: 30 / Rge.: 13	
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:			

NO.	FLOW DATA: Prover Line Size	x	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							1468		1725		SIP
1.	2	x	.750	127		60°	127		611		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	12.365		139	1.000	.9608	1.014	1674
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

P_c 1737 P_c^2 3017169

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		623	388129	2629040
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1476$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1087$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1855$

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

Remarks: _____

RECEIVED
MAR 1 5
OIL CON. COM.
DIST. 3

Approved By Division	Conducted By:	Calculated By:	Checked By:
	R.E. Elliott	J. E. Evans	