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 WELLS

RECEIVED
NOV 15 1983
OIL CON. DIV.

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: II-4-83	
Company: SHERMAN F. WAGENSELLER			Connection: EPNG		
Pool: SOUTH BLANCO PC			Formation: PICTURE CLIFF		Unit: [illegible]
Completion Date: I0-25-83	Total Depth: 3200		Plug Back TD: 3I35	Elevation: 7303gr	Farm or Lease Name: MOBIL APACHE 18
Csg. Size: 4I/2 / Wt.: I0.6 / d: 4.052 / Set At: 3I75			Perforations: From 3049 To 3066		Well No.: 3
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 3I02			Perforations: From [illegible] To 3102		Unit: L / Sec.: I8 / Twp.: 23 / Rge.: 2
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At:		County: R.A.
Producing Thru: TBG	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: N.M.

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						862		862		7days
1.		.750	67		60			I4I		3hrs
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	I2.3650		79	I.000	.9608	I.609	947
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 .650 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 874 P_c^2 763876

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		I53	23409	740467
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = I.03I6$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = I.0268$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 973$

Absolute Open Flow 973 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	C. R. WAGNER	C. R. WAGNER	