OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

RECEIVED
JUL 16 1985
OIL CON. DIV.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 7-11-85	
Company: SHERMAN E. WAGENSELLER		Connection: NEW WELL			Unit
Pool: S. BLANCO		Formation: PICTURE CLIFF			
Completion Date: 7-1-85	Total Depth: 3200		Plug Back TD: 3158	Elevation: 7298 Gr	Farm or Lease Name: MOBILE APACHE
Csg. Size: 4.5 / Wt.: 10.5 / d: 4.052 / Set At: 3196			Perforations: From 3000 To 3017		Well No.: 22
Tbg. Size: 2 3/8 / Wt.: 4.3 / d: 1.995 / Set At: 3044			Perforations: From 3000 To 3017		Unit: M / Sec.: 17 / Twp.: 23N / Rge.: 2W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE			Packer Set At		County: R. A.
Producing Thru: TBG	Reservoir Temp. °F: 0	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							901		901		7 DAY
1.			.750				121	62	376		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	12.365		133	.9981	.9608	1.012	1596
2.							
3.							
4.							
5.							

NO.	P_r	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 .650EST. XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 913 P_c^2 833569

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		388	150544	683025
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2204$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1845$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1890$

Absolute Open Flow 1890 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Very light fog of distillate & water through out test

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