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: [X] Initial [ ] Annual [ ] Special			Test Date: 10-16-89	
Company: Texaco INC.	Connection: not connected			
Pool: South Blanco	Formation: Pictured Cliffs			Unit:
Completion Date: 10-9-89	Total Depth: 8220	Plug Back TD: 3874	Elevation: 7185 GL	Farm or Lease Name: CW Roberts
Csg. Size: 5,500 / Wt.: 17 / d: 4.892 / Set At: 8201		Perforations: From 3680 To 3700		Well No.: 4
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 3696		Perforations: From open To ended		Unit: M / Sec.: - / Twp.: 17 - / Rge.: 25 -3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 3628		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: #	Mean Annual Temp. °F	Baro. Press. – P_a: 11.6	State: NM

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3696	3696	.670 EST				2.00		

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	168 hrs				989				
1.	2.000 x .750				128	60		60	1st hr
2.	2.000 x .750				105	60		60	2nd hr
3.	2.000 x .750				95	60		60	3rd hr
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	11000		140	1.000	1.222	1.015	1910
2.	11000		117	1.000	1.222	1.013	1593
3.	11000		107	1.000	1.222	1.011	1454
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 1001 P_c^2 1002001

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	11449	115	13225	988776
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0134$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0113$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1470$

Absolute Open Flow 1470 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: (PW) taken from spang handbook; well flowed, no fluid, no sand

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Paul Berhost	Paul Berhost	Allan A. Kleier