STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-122
Revised 10-1-78
C/SF
Filer
C-122 File

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 10-17-80	Recompletion
Company: TEXAS OIL AND GAS		Connection: TransWestern and El Paso Natural Gas Company		
Pool: East Burton Flat Strawn		Formation: Strawn		Unit: E
Completion Date: 10-7-80	Total Depth: 11,760	Plug Back TD: 10,570	Elevation:	Farm or Lease Name: Williamson FED
Csg. Size: 4½ / Wt.: 13.5 / d: - / Set At: 11,735		Perforations: From 10,526 To 10,548		Well No.: 1
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 10,477		Perforations: From To		Unit: E / Sec.: 9 / Twp.: 20S / Rge.: 29E
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single		Packer Set At: 10,477		County: Eddy
Producing Thru: TBG.	Reservoir Temp. °F: 179 @ 10,538	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10,538	10,538	.673	.359	1.161			4	Flg.

	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					2395				
1.	4 X .750	263	8.5	75	2302	65			1 Hr.
2.	4 X .750	260	12	78	2260	68			1 Hr.
3.	4 X .750	260	26	79	2192	70			1 Hr.
4.	4 X .750	270	32	78	2116	70			1 Hr.
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	2.661	48.45	276.2	.9859	1.219	1.027	159
2.	2.661	57.26	273.2	.9831	1.219	1.027	188
3	2.661	84.28	273.2	.9822	1.219	1.027	276
4.	2.661	95.20	283.2	.9831	1.219	1.027	312
5.							

NO.	P_t	Temp. °R	T_r	Z
1	.41	535	1.40	.948
2.	.41	538	1.41	.949
3.	.41	539	1.41	.949
4.	.42	538	1.41	.948
5				

Gas Liquid Hydrocarbon Ratio: 38.958 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 54.5 @ 60 Deg.
Specific Gravity Separator Gas: .673 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 669 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 382 R ____ R

P_c 2594.1 P_c^2 6729.4

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1*	3366.2	2523.6	6368.6	360.8
2*	3308.2	2478.3	6142.0	587.4
3*	3233.2	2419.5	5854.9	875.4
4*	3140.2	2347.2	5509.3	1220.1
5*	3455.2			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.515$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.553$ REVISED

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .797$

OCT 24 1980
O. C. D.
ARTESIA, OFFICE

Absolute Open Flow: 797 Mcfd @ 15.025 | Angle of Slope θ: 61.250 | Slope, n: .549

Remarks: 1 bbl condensate during test.
*Bottom hole pressures.

Approved By Division	Conducted By:	Calculated By: Witnessed by:	Checked By:
	Winnford Sutton (John West Engr.)	Reggie Reston	