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: 10-22-82	
Company: Curtis J. Little	Connection: El Paso Natural Gas Co.		Unit
Pool: Ballard	Formation: Pictured Cliff		
Completion Date: 10-15-82	Total Depth: 2329	Plug Back TD: 2314	Elevation: 6359 G.L.
Csg. Size: 2 7/8 / Wt.: 6.5 / d: 2.441 / Set At: 2322	Perforations: From 2181 To 2276		Farm or Lease Name: Salazar
Tbg. Size: / Wt.: Slim Hole / d: / Set At:	Perforations: From To		Well No.: 7
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single	Packer Set At: None		Unit: O / Sec.: 27 / Twp.: 25 / Rge.: 6
Producing Thru: Casing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12 psia
			County: Rio Arriba
			State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.650						

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	7 days								708		
1.	2 inch		500	64					64	60°	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.	5.4315		76	1.000	.9608	1.007	400
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 720 P_c^2 518400

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		79	6259	512141
2				
3		Calculated		
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01222$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.01037$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 404$

Absolute Open Flow 404 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Dry gas throughout test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Joe Elledge	Joe Elledge	Curtis J. Little