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

Type Test: [x] Initial [ ] Annual [ ] Special			Test Date: 1-13-84	
Company: Curtis J. Little	Connection: El Paso Natural Gas Co.			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 1-6-84	Total Depth: 7576	Plug Back TD: 7523	Elevation: 6386 K B	Farm or Lease Name: Kelly-Federal
Csg. Size: 4 1/2 / Wt.: 11.6 / d: 4.000 / Set At: 7564		Perforations: From 7346 To 7525		Well No.: 1E
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 7442		Perforations: From Open To Ended		Unit: J / Sec.: 8 / Twp.: 30N / Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12 psia(est)	State: New Mexico
L:	H:	Gg: .650	% 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	7 days					1906		1926		
1.	2 inch	.750				121	48°	522		3 hours
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	12.3650		133	1.0117	.9608	1.014	1621
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1938 P_c^2 3755844

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		534	285156	3470688
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.08216$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.061$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1720$

Absolute Open Flow 1720 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Dry gas throughout test-No show of oil of condensate.

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