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

RECEIVED
FEB 27 1984
OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 2-21-84
Company: Curtis J. Little	Connection: El Paso Natural Gas Co			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 2-14-84	Total Depth: 6759	Plug Back TD: 6717	Elevation: 6390 KB	Farm or Lease Name: Salazar
Csg. Size: 4½ / Wt.: 11.6# / d: 4.000 / Set At: 6759		Perforations: From 6422 To 6672		Well No.: 4E
Tbg. Size: 2.375 / Wt.: 4.7 # / d: 1.995 / Set At: 6548		Perforations: From Open To Ended		Unit: 34 / Sec.: 25 / Twp.: 6 / Rge.:
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12 psia	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days					1445		1445		
1.	2 inch	.750	391			391	60°	787		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	12.3650		403	1.0000	.9608	1.041	4984
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1457 P_c^2 2122849

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		799	638401	1484448
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.43006$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.30771$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6518$

Absolute Open Flow 6518 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .750

Remarks: Dry gas with show of oil throughout test.

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