OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-122
Revised 10-1-78

RECEIVED
JUL 25 1985
OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 7-1-85
Company: Amoco Production		Connection: El Paso Natural Gas Co.		Unit
Pool: Basin		Formation: Dakota		
Completion Date: 5-6-85	Total Depth: 6180	Plug Back TD: 6179	Elevation: 5807 GR	Farm or Lease Name: Gallegos Canyon Uni
Csg. Size: 7.000 / Wt.: 23 / d: 6.366 / Set At: 6180		Perforations: From 6020 To 6096		Well No.: 178E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6086		Perforations: From open To ended		Unit: H / Sec.: 4 / Twp.: 27 / Rge.: 12
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	State: San Juan

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

NO.	FLOW DATA: Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days						725		740		
1.	2.375	X	.750				118		506		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	12.365		130	1.000	.9258	1.015	1510
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 752 P_c^2 565504

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		518	268324	297180
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9029$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6202$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2446$

Absolute Open Flow 2446 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Flared, H20 Lite, Lite condensate

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bryan Services	J.J. Barnett	