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

RECEIVED
APR 03 1985
OIL CON. DIV.
DIST. 3

Type Test: [x] Initial [ ] Annual [x] Special				Test Date: 3-14-85	
Company: Amoco Production Co.			Connection: El Paso Natural Gas Co.		
Pool: Otero			Formation: Chacra		Unit
Completion Date: 3/4/85	Total Depth: 3100		Plug Back TD: 3056	Elevation: 5736GR	Farm or Lease Name: Bruce R Sullivan
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 3100			Perforations: From 2808 To 2932		Well No.: 2
Tbg. Size: 2.375 / Wt.: 4.6 / d: 1.995 / Set At: 2946			Perforations: From open To ended		Unit: J / Sec.: 23 / Twp.: 28 / Rge.: 10
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: New Mexico
L	H	Gg	% 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	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	8 days					938		985		
1.	2.375	.750				188		444		3hrs
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		200	1.00	.9258	1.020	2335
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 997 P_c^2 994009

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		456	207936	786073
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2645$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1925$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2784$

Absolute Open Flow 2784 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Flared, Lite H20, Lite oil

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bryan Services	JJ Barnett	