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: XX Initial ☐ Annual ☐ Special			Test Date: 03 05 80	
Company: AMOCO PRODUCTION COMPANY	Connection: EL PASO NATURAL GAS COMPANY			
Pool: BASIN	Formation: DAKOTA		Unit	
Completion Date: 02 06 80	Total Depth: 6860	Plug Back TD: 6841	Elevation: 5703 GL	Farm or Lease Name: Heath Gas Com J
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6860		Perforations: From 6527 To 6792		Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6793		Perforations: From open To ended		Unit: F / Sec.: 9 / Twp.: 29N / Rge.: 9W
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 Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	12 days				1640		1616		3 hrs
1.	2.375 .750				75		507		
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		87	1.000	.9258	1.010	1006
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 1652 P_c^2 2729104

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		519	269361	2459743
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1095$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 10811$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1087$

RECEIVED
APR 1 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 1087 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	JJB	J. J. BARNETT	B. E. FACKRELL