NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 07 09 80	
Company: AMOCO PRODUCTION CO.		Connection: EL PASO NATURAL GAS CO.			
Pool: BASIN		Formation: DAKOTA		Unit	
Completion Date: 06 20 80	Total Depth: 6689	Plug Back TD: 6680	Elevation: 5983GL	Farm or Lease Name: DAVIDSON GAS COM H	
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6689		Perforations: From 6458 To 6636		Well No.: 1E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6645		Perforations: From open To ended		Unit: C / Sec.: 22 / 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: 70	% 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	11 days						705		909		3 hrs
1.	2.375		.750				65	60	515		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		77	1.000	.9258	1.009	889
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.
Critical Temperature _____ R

JUL 1 1980
OIL CON. COM.
DIST.

P_c 921 P_c^2 848241

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		527	277729	570512
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4868$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3465$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1197$

Absolute Open Flow 1197 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JJB	J J BARNETT	R A DOWNEY