NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 12-12-79

Company: AMOCO PRODUCTION COMPANY	Connection: EL PASO NATURAL GAS COMPANY			
Pool: BASIN	Formation: DAKOTA			Unit:
Completion Date: 11-29-79	Total Depth: 6508	Plug Back TD: 6465	Elevation: 5511	Farm or Lease Name: SULLIVAN GAS COM C
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6508	Perforations: From 6301 To 6423			Well No.: [redacted] / E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6405	Perforations: From OPEN To ENDED			Unit: J / Sec.: 28 / Twp.: 29 / 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: [illegible]	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	7 days		.750				1050	60	1270		3 hrs
1.	2.375						80	60	470		
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		102	1.000	.9258	1.012	1182
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 1282 P_c^2 1643524

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		482	232324	1411200
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1646$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.211$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1325$

Absolute Open Flow 1325 Mcfd @ 15.025 Angle of Slope θ .75 Slope, n _____

Remarks: _____

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