NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test			Test Date	
[x] Initial [ ] Annual [x] Special			1-19-82	
Company		Connection		
Amoco Production Company		El Paso Natural Gas Company		
Pool		Formation		Unit
Basin		Dakota		

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
12-16-82	6612	6566	6072 GL	P. O. Pipkin

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4.500	10.5	4.052	6612	From 6636 To 6474	2E

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2.375	4.7	1.995	6471	From open To ended	E	8	27N	10W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	None	San Juan

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing				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	16 Days						1029		1337		
1.	2.375		.750				108		507		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		120	1.000	.9258	1.013	1392
2.							
3.							
4.							
5.							

NO.	P_r	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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1349 P_c^2 1819801

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		519	269361	1550440
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1737$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1277$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1570$

Absolute Open Flow 1570 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	