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			Test Date	
[x] Initial	[ ] Annual	[k] Special	5-8-80	

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
4-22-80	6529'	6498'	5610' GL	McCarty Gas Com "B"

Csg. Size	Wt.	d	Set At	Perforations	Well No.
4.500	10.5	4.052	6529'	From 6241' To 6405'	1E

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
2.375	4.7	1.995	6405'	From Open To Ended	G	16	29N	11W

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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days				1560		1562		3 hrs
1.	2.375 .750				124		555		
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		136	1.000	.9258	1.015	1580
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1574 P_c^2 2477476

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		567	321489	2155987
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1491$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1099$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1754$

RECEIVED
JUN 18 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 1754 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks _____

Approved By Division	Conducted By	Calculated By	Checked By
	JJB	JJ Barnett	LNE