OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

RECEIVED
FEB 14 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 2/5/85
Company: Amoco Production Company			Connection: El Paso Natural Gas Co.	
Pool: Basin			Formation: Dakota	
Completion Date: 1/16/85	Total Depth: 6291		Plug Back TD: 6233	Elevation: 5903 GR
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6291			Perforations: From 5990 To 6080	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6077			Perforations: From open To ended	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None	
Producing Thru: tubing	Reservoir Temp, °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	

Farm or Lease Name	Well No.	Unit	Sec.	Twp.	Rge.
H.B. McGrady "A"	2E	N	23	27	12

County: San Juan
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						1330		1390		
1.	2.875		.750				326		742		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		338	1.000	.9258	1.042	4032
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 1402 P_c^2 1965604

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		754	568516	1397088
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4069$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2918$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5209$

Absolute Open Flow 5209 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: flared, med oil, med H_2O

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