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

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

Type Test: [X] Initial [ ] Annual [X] ~~Special~~				Test Date: 2-11-85	
Company: Amoco Production Company			Connection: N W P L		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 10-19-85	Total Depth: 8525		Plug Back TD: 8351	Elevation: 6649 GR	Farm or Lease Name: Rosa Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 8525			Perforations: From 8210 To 8477		Well No.: 118
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8290			Perforations: From open To ended		Unit: H / Sec.: 35 / Twp.: 32 / Rge.: 6
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: commingle			Packer Set At: 7800		County: Rio Arriba
Producing Thru: tubing	Reservoir Temp. °F:	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	92 days						2900		x		
1.	2.375		.750				196		x		3hrs
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		208	1.000	.9258	1.024	2438
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 2912 P_c^2 8479744

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		474	224676	8255068
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 10272$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 10203$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2488$

Absolute Open Flow 2488 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 75

Remarks: Lite spray H2O
Delay due to muddy road

Approved By Division	Conducted By:	Calculated By:	Checked By:
	B& R Services	JJ Barnett	