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

RECEIVED

JAN 24 1985

OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1-22-85	
Company: ARCO Oil & Gas Co., Div. of Atlantic Richfield Co.		Connection: None			Unit
Pool: Basin Dakota		Formation: Dakota			
Completion Date: 1-15-85	Total Depth: 6830		Plug Back TD: 6748	Elevation: 6250	Farm or Lease Name: Schlosser WN Fed
Csg. Size: 7.000 / Wt.: 29 / d: 6.184 / Set At: 6829			Perforations: From 6615 To 6662		Well No.: 1R
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6609			Perforations: From To		Unit: E / Sec.: 10 / Twp.: 27N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas			Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6609	6609	.680(Est)				2"		

	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						1157		1161		SI 7 Days
1.	2"	.750	140		68	288		627		Flow 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	9.453		152	.9924	1.213	1.016	1757
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1	.23	528	1.37	.968
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .680(Est) XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 669 P.S.I.A. _____ P.S.I.A.
Critical Temperature 385 R _____ R

P_c 1173 P_c^2 1375929

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	90000	408	166136	1209793
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1373$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1013$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1935$

Absolute Open Flow 1935 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Well Tested Thru 48/64" Choke

Approved By Division	Conducted By:	Calculated By:	Checked By: