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: [X] Initial [ ] Annual [ ] Special				Test Date: 7-9-80	
Company: ARCO Oil & Gas Company Division Of Alantic Richfield		Connection: None			
Pool: Basin Dakota		Formation: Dakota		Unit	
Completion Date: 6-24-80	Total Depth: 6570	Plug Back TD: 6541	Elevation: 6115 GL	Farm or Lease Name: Schlosser WN Fed.	
Csg. Size: 4½" / Wt.: 10.5# / d: 4.052 / Set At: 6569		Perforations: From 6401 To 6526		Well No.: 7 E	
Tbg. Size: 2 3/8" / Wt.: 4.7 # / d: 1.995 / Set At: 6406		Perforations: From To		Unit: A / Sec.: 10 / Twp.: 27N / Rge.: 11W	
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single-Gas		Packer Set At: None		County: San Jaun	
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico	
L: 6406 / H: 6406 / Gg: .800 (est)	% CO_2	% N_2	% H_2S	Prover: 2"	Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							1158		1160		SI 15 Days
1.	2"	x	.750"	196		69°	340		667		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		208	.9915	1.118	1.029	2243
2.							
3							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1	.31	529	1.25	.944
2.				
3.				
4.				
5				

Gas Liquid Hydrocarbon Ratio: 54.975 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 47.3 @ 60°F Deg.
Specific Gravity Separator Gas: .800 (est) XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 665 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 424 R ____ R

P_c 1172 P_c^2 1373584

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	123904	512	262216	1111368
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2359$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1722$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2629$

Absolute Open Flow: 2629 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:
	[illegible]	[illegible]	