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

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9/24/80	
Company: Hill & Llewellyn		Connection:			
Pool: Ballard		Formation: Pictured Cliffs		Unit:	
Completion Date	Total Depth: 2400	Plug Back TD	Elevation	Farm or Lease Name: Newsom	
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.441 / Set At: 2400		Perforations: From 2190 To 2236		Well No.: 10R	
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: M / Sec. / Twp.: 20 / Rge.: 26N-8W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan	
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	
L / H / Gg: est .650	% 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								219		7 days
1.		.750	8		64					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		20	.9962	.9608	1.000	237
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	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 _____ XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 231 P_c^2 53361

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	400	24	576	52785
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0109$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0093$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 239$

Absolute Open Flow 239 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Very heavy fog of water throughout test.

Approved by Division	Conducted By: CRW	Calculated By:	Checked By:

RECEIVED
SEP 30 1980
OIL CON. DIV.
DIST. 3