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: 4/7/80	
Company: Merrion & Bayless	Connection:			
Pool: WAW Fruitland/Pic. Cliffs	Formation: Pictured Cliffs			Unit:
Completion Date: 6-3-80	Total Depth: 1310'	Plug Back TD: 1273'	Elevation: 6065'	Farm or Lease Name: Southland
Csg. Size: 2-7/8" / Wt.: 6.5 #/ft. / d: 2.441 / Set At: 1303'	Perforations: From 1250 To 1254			Well No.: 5
Tbg. Size: 1.660 / Wt.: 2.4 #/ft. / d: / Set At: 1256'	Perforations: From To			Unit: G / Sec.: 11 / Twp.: 26N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	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
		.60				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								215		
1.	2"	3/4"	13		60					5 hr.
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		25	1.000	1.291	1.000	308
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

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		25	625	50904
2				
3				
4				
5				

P_c _____ P_c^2 _____

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{51,529}{50,904}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0104$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 311$

Absolute Open Flow 311 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: Well produced mist of salt water throughout test.

RECEIVED
JUN 10 1980
OIL CON. COM.
DIST. 3

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