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: 4/26/80	
Company: Merrion & Bayless	Connection: As soon as possible			
Pool: Basin Dakota	Formation: Dakota		Unit	
Completion Date: 4/26/80	Total Depth: 6775'	Plug Back TD: 6660'	Elevation: 6588' GL	Farm or Lease Name: Canada Mesa
Csg. Size: 4.500 / Wt.: 10.5#/ft. / d: 4.052 / Set At: 6775'	Perforations: From 6538' To 6587'			Well No.: 2E
Tbg. Size: 2.036 / Wt.: 4#/ft. / d: 2.036 / Set At: 6627'	Perforations: From To			Unit: K / Sec.: 24 / Twp.: 24N / Rge.: 6W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single	Packer Set At			County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12 psia	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6627'	6627'	.650				2"		

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							1300				
1.	2"		1"	56			56		311		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	18.790		68	1.000	1.240	1.000	1584
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1992 P_c^2 3968064

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	3136	56	3136	3964928
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0008$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0006$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1585$

RECEIVED
APR 28 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 1585 Mcfd @ 15.025
Angle of Slope θ _____ Slope .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Steven Dunn	John Anderson	Steven Dunn