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: 07-23-82	
Company: Robert L. Bayless		Connection: El Paso Natural Gas		
Pool: Ballard Pic. Cliffs		Formation: Pictured Cliffs		Unit
Completion Date: 07-15-82	Total Depth: 2651'	Plug Back TD: 2589'	Elevation: 7030'G.L.	Farm or Lease Name: Jicarilla 392
Csg. Size: 2 7/8 / Wt.: 7.9 / d: 2.323 / Set At: 2644'		Perforations: From 2481 To 2500		Well No.: B-1
Tbg. Size: none / Wt. / d / Set At		Perforations: From To		Unit: G / Sec.: 27 / Twp.: 23N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: none		County: Sandoval
Producing Thru: casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12 psia (est)	State: New Mexico
L	H	Gg: .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	8 days							672		
1.	2"	3/4"	59					59	60°	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		71	1.00	.9608	1.009	851
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

P_c 684 P_c^2 467856

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		91	8250	459.606
2				
3			calculated	
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01795$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.01524$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 864$

Absolute Open Flow 864 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Kevin McCord	Kevin McCord	Robert L. Bayless