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: 12-29-83	
Company: Robert L. Bayless		Connection: Northwest Pipeline Corp.		
Pool: Ballard Pic. Cliffs		Formation: Pictured Cliffs		Unit
Completion Date: 12-21-83	Total Depth: 2685	Plug Back TD: 2625	Elevation: 7082 GL	Farm or Lease Name: Jicarilla 390 B
Csg. Size: 2-7/8" / Wt.: 7.9 / d: 2.323" / Set At: 2669		Perforations: From 2524 To 2583		Well No.: #1
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: I / Sec.: 26 / 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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65 est.						

	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						640		
1.	2" X 3/4"	50					50	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	12.3650		62	1.0000	.9608	1.007	742
2.							
3.							
4.							
5.							

NO.	P_r	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 652 P_c^2 425,104

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		79.4	6304	418,800
2				
3			calculated	
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0151$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0128$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 751$

Absolute Open Flow 751 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

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