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

9/29/88

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
SEP 30 1988
OIL CON. DIV
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 9/26/88	
Company: Robert L. Bayless	Connection: Robert L. Bayless			Unit
Pool: East Blanco Pictured Cliffs	Formation: Pictured Cliffs			
Completion Date: 9/15/88	Total Depth: 4025' RKB	Plug Back TD: 3945' RKB	Elevation: 7000' RKB	Farm or Lease Name: Jicarilla 464
Csg. Size: 4 1/2" / Wt.: 10.5#/ft / d: 4.052" / Set At: 3992' RKB		Perforations: From 3641 To 3912		Well No.: 6
Tbg. Size: 2 3/8" / Wt.: 4.7#/ft / d: 1.995" / Set At: 3888' RKB		Perforations: From To		Unit: M / Sec.: 32 / Twp.: 30N / Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: gas - single		Packer Set At: none		County: Rio Arriba
Producing Thru: tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0 (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	7 days				1070		1070		
1.	2 inch x .750				236	60°	515		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		248	1.000	1.240	1.024	3802
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1	.370		1.39	.953
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 1082 P_c^2 1,170,724

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		527	277,729	892,995
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.311$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2588$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4786$

Absolute Open Flow 4786 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Combination - upper and lower Pictured Cliffs zones.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	David Ball	Kevin H. McCord	