STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

JUN 18 1984
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-2-84	
Company: Robert L. Bayless		Connection:			
Pool: Ballard Pictured Cliffs		Formation: Pictured Cliffs Ext			Unit:
Completion Date: 5-22-84	Total Depth: 2660'	Plug Back TD: 2573'		Elevation: 7038'	Farm or Lease Name: Jicarilla 393
Csg. Size: 2-7/8" / Wt.: 7.9# / d: / Set At: 2653'		Perforations: From 2492' To 2549'			Well No.: B #3
Tbg. Size: None / Wt.: -- / d: -- / Set At: --		Perforations: From -- To --			Unit: M / Sec.: 22 / 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: .65	% 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						480		
1.	2" X 1/2"	31					31	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	5.4315		43	1.000	.9608	1.009	226
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 492 P_c^2 242,064

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		46	2075	239,989
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0086$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0073$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 228$

Absolute Open Flow 228 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

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