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 WELLS

JAN 07 1988

Type Test: XX Initial ☐ Annual ☐ Special			Test Date: 1-1-88	
Company: UNION TEXAS PETROLEUM	Connection: GAS COMPANY OF NEW MEXICO			
Pool: Blanco/West Lindreth	Formation: Mesaverde/Gallup Dakota			Unit
Completion Date: 12-7-87	Total Depth: 7834	Plug Back TD: 7791	Elevation: 6811'G.L.	Farm or Lease Name: Jicarilla "F"
Csg. Size: 7.000 / 4.5 — Wt.: 23.0 / 10.5 — d: 6.366 / 4.052 — Set At: 3640 / 3424-7834 — Perforations: From 5063 To 7766				Well No.: 5A
Tbg. Size: 2.375 — Wt.: 4.7 — d: 1.995 — Set At: 7714 — Perforations: From 7683 To 7714				Unit: L — Sec.: 33 — Twp.: 26N — Rge.: 4W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Gas - Gas - Multiple		Packer Set At:		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.710						

	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	2"	3/4"				1107		1204		7 Days
1.						175	67°	753	67°	3 Hours
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		187	0.9933	0.9193	1.022	2158
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 1216 P_c^2 1,478,656

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		765	585,225	893,431
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6550$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4591$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3149$

Absolute Open Flow 3149 Mcfd @ 15.025 | Angle of Slope @ _____ | Slope, n 0.75

Remarks: Medium mist of water and a trace of oil. Estimated 2 bbls of liquid. (90% water)

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Steve Greenwood	John C. Rector	