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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
JUL 23 1982
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7/21/82	
Company: Southern Union Exploration			Connection		Unit
Pool: Wildhorse Gallup			Formation: Gallup		Farm or Lease Name: Jicarilla E
Completion Date: 7/6/82	Total Depth: 7890		Plug Back TD: 7875	Elevation: 6805	Well No.: 10-E
Csg. Size: 5.500 / Wt.: 17 / d: 4.892 / Set At: 7890			Perforations: From 7188 To 7195		Unit: B / Sec.: 22 / Twp.: 26 / Rge.: 4
Tbg. Size: 2 1/16 / Wt.: 3.25 / d: 1.751 / Set At: 7183			Perforations: From To		
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GG (Gallup-Dakota)			Packer Set At		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a		State: NM
L	H	Gg	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							386		386		SIP
1.			.750	5		74			16		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		17	.9868	.9608	1.004	275
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 .650 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 398 P_c^2 158404

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		28	784	157620
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0050$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0037$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 276$

Absolute Open Flow 276 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	C.R. WAGNER	C.R. WAGNER	