NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 11/12/73	
Company: Southern Union Production Co.	Connection: Southern Union Gas Company			
Pool: Undesignated	Formation: Gallup		Unit	
Completion Date: 10/29/73	Total Depth: 7590	Plug Back TD: 7552	Elevation	Farm or Lease Name: Jicarilla "A"
Csg. Size: 5.500 / 4.953 — Wt.: 15.50 / 26.40 — d: 4.950 / 6.366 — Set At: 3912 -7589 / 4050 — Perforations: From 7534 To 7550				Well No.: 14
Tbg. Size: 1.900 — Wt.: 2.90 — d: 1.610 — Set At: 7513 — Perforations: From 7505 To 7513				Unit: A — Sec.: 24 — Twp.: 26N — Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 7337		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
7494		0.700						

	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"				562				9 Days
1.						80	52°			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		92	1.0078	0.9258	1.000	1061
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 574 P_c^2 329,476

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			105,146	224,330
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4687$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3341$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.415$

NOV 14 1973
OIL CON. COM.
DIST. 3

Absolute Open Flow 1,415 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
NOV 14 1973	Kenneth E. Roddy	Kenneth E. Roddy	