NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 1/5/71	
Company: SOUTHERN UNION PRODUCTION COMPANY		Connection: SOUTHERN UNION GAS COMPANY			
Pool: BLANCO		Formation: MESAVERDE			Unit
Completion Date: 12/13/70	Total Depth: 8400	Plug Back TD: 8361	Elevation: 7238	Farm or Lease Name: JICARILLA "G"	
Csg. Size: 7.625 / 5.500	Wt.: 26.40 / 15.50	d: 6.969 / 4.950	Set At: 4150 / 3992-8396	Perforations: From 5558 To 6106	Well No.: 10
Thg. Size: 1.900	Wt.: 2.76	d: 1.610	Set At: 6063	Perforations: From 6060 To 6068	Unit: B Sec.: 12 Twp.: 26N Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL - GAS - GAS			Packer Set At: 8041		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
6048		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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"	3/4"				999		1001		18 DAYS
1.						163	49°	727		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		175	1.0108	0.9258	1.022	2069
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 1013 P_c^2 1,026,169

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		739	546,121	480,048
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1376$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7678$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3658$

Absolute Open Flow 3658 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	KENNETH E. RODDY	KENNETH E. RODDY	KENNETH E. RODDY