NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

OIL CON. COM.
DIST. 3

Type Test: XX Initial ☐ Annual ☐ Special				Test Date: 10/23/70	
Company: SOUTHERN UNION PRODUCTION CO.		Connection: SOUTHERN UNION GAS COMPANY			
Pool: BLANCO		Formation: MESAVERDE		Unit	
Completion Date: 10/13/70	Total Depth: 7935	Plug Back TD: 7888	Elevation	Farm or Lease Name: JICARILLA "G"	
Csg. Size: 7.000 / 5.000	Wt.: 23.00 / 15.00	d: 6.456 / 4.408	Set At: 7934	Perforations: From 5116 To 5650	Well No.: 1
Tbg. Size: 1.900	Wt.: 2.76	d: 1.610	Set At: 5619	Perforations: From 5611 To 5619	Unit: L / Sec.: 1 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL GAS - GAS			Packer Set At: 7510		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
5601		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"				919		921		9 DAYS
1.						156	58°	684		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		168	1.0019	0.9258	1.020	1,965
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 933 P_c^2 870,489

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		696	484,416	386,073
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2547$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8399$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,615$

Absolute Open Flow 3,615 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
OCT 26 1970	KENNETH E. RODDY	KENNETH E. RODDY	KENNETH E. RODDY