NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 21 1969
OIL CON. COM.
DIST. 3

Type Test: XX Initial ☐ Annual ☐ Special — Test Date: 8/19/69

Company: SOUTHERN UNION PRODUCTION CO. — Connection: SOUTHERN UNION GAS COMPANY — Unit:

Pool: BLANCO — Formation: MESAVERDE

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
8/9/69	8422	8401	7342	JICARILLA "G"

Csg. Size	Wt.	d	Set At	Perforations		Well No.
7.625	26.40	6.969	4240	From 5625	To 5770	5
5.500	15.50	4.950	4080-8421			

Thg. Size	Wt.	d	Set At	Perforations		Unit	Sec.	Twp.	Rge.
1.900	2.90	1.610	5637	From 5629	To 5637	L	12	26N	5W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL - GAS - GAS — Packer Set At: 8120 — 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
8108		.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"				977		977		10 DAYS
1.						205	51°	864		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		217	1.0088	0.9258	1.027	2,574
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 989 P_c^2 978,121

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		876	767,376	210,745
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.6413$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.1620$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8139$

Absolute Open Flow 8,139 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