NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 23 1968
OIL CON. COM.
DIST. 3

Type Test: XX Initial ☐ Annual ☐ Special			Test Date: 9/19/68	
Company: SOUTHERN UNION PRODUCTION CO.	Connection: SOUTHERN UNION GAS COMPANY			Unit
Pool: BASIN	Formation: DAKOTA			
Completion Date: 9/7/68	Total Depth: 8240	Plug Back TD: 8196	Elevation: 7146	Farm or Lease Name: JICARILLA "A"
Csg. Size: 7.625 / 5.500 — Wt.: 26.40 / 15.50 — d: 6.969 / 4.950 — Set At: 4054 / 3897-8196		Perforations: From 7982 To 8176		Well No.: 11
Tbg. Size: 1.900 — Wt.: 2.90 — d: 1.610 — Set At: 8107		Perforations: From 8099 To 8107		Unit: J — Sec.: 14 — Twp.: 26N — Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL - GAS - GAS		Packer Set At: 7900		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
8087		.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"				2172				8 DAYS
1.						260	60°			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		272	1.0000	.9258	1.032	3,213
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 2184 P_c^2 4,769,356

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	73,984		1,016,549	3,753,307
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2708$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1969$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,846$

Absolute Open Flow 3,846 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

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