NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
DEC 22 1969
OIL CON. COM.
DIST. 3

Type Test: XX Initial ☐ Annual ☐ Special				Test Date: 12/19/69	
Company: SOUTHERN UNION PRODUCTION CO.			Connection: SOUTHERN UNION GAS CO.		Unit
Pool: BASIN			Formation: DAKOTA		
Completion Date: 11/17/69	Total Depth: 8742		Plug Back TD: 8740	Elevation: 7333	Farm or Lease Name: JICARILLA "G"
Csg. Size: 7.625 / 5.500 / 4.000	Wt.: 26.40 / 15.50 / 11.34	d: 6.969 / 4.950 / 3.428	Set At: 4225 / 6091-8467 / 8320-8742	Perforations: From 8612 To 8728	Well No.: 7
Tbg. Size: 1.900	Wt.: 2.90	d: 1.610	Set At: 8611	Perforations: From 8603 To 8611	Unit: G / Sec.: 11 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL - GAS - GAS			Packer Set At: 7200		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
8591		.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"				2098				14 DAYS
1.						120	65			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		132	0.9952	0.9258	1.015	1,526
2.							
3.							
4.							
5.							

NO.	P_t	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 2110 P_c^2 4,452,100

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			243,291	4,208,809
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0578$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0430$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,592$

Absolute Open Flow 1,592 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