NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 2 5 1969
OIL CON. COM.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 9/23/69	
Company: SOUTHERN UNION PRODUCTION CO.	Connection: SOUTHERN UNION GAS COMPANY			
Pool: BLANCO	Formation: MESAVERDE			Unit
Completion Date: 9/9/69	Total Depth: 7835		Plug Back TD: 7813	Elevation: 6699
Farm or Lease Name: JICARILLA "G"				
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 3416-7834	Perforations: From 5032 To 5148		Well No.: 6	
Thg. Size: 1.900 / Wt.: 2.75 / d: 1.610 / Set At: 5106	Perforations: From 5098 To 5106		Unit: L / Sec.: 2 / Twp.: 26N / Rge.: 5W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL - GAS-GAS		Packer Set At: 7532	County: RIO ARRIBA	
Producing Thru: TUBING	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: NEW MEXICO
L: 5086	H	Gg: .700	% CO_2	% N_2
% H_2S	Prover	Meter Run	Taps	

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"				959		958		13 DAYS
1.						204	57°	796		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		216	1.0029	0.9258	1.026	2,547
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 971 P_c^2 942,841

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		796	633,616	309,225
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0490$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.3073$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5,872$

Absolute Open Flow 5,872 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