NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 12/12/69	
Company: SOUTHERN UNION PRODUCTION CO.			Connection: SOUTHERN UNION GAS CO.		
Pool: BLANCO			Formation: MESAVERDE		Unit
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 / 2.000	Wt.: 26.40 / 15.50 / 11.34	d: 6.969 / 4.950 / 3.438	Set At: 4225 / 4091-8467 / 8320-8742	Perforations: From 5640 To 5770	Well No.: 7
Tbg. Size: 1.900	Wt.: 2.76	d	Set At: 5638	Perforations: From 5630 To 5638	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: 5618	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"				1016		1017		7 DAYS
1.							220	50°	862		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		232	1.0098	0.9258	1.029	2,760
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

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DIST. 3

P_c 1.029 P_c^2 1.058.841

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		874	763,876	294,965
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5897$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.6078$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7,198$

Absolute Open Flow 7,198 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	KENNETHE. RODDY