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: 12/11/73	
Company: Southern Union Production Co.		Connection: Southern Union Gas Company			
Pool: Tapacito		Formation: Pictured Cliffs		Unit	
Completion Date: 10/19/73	Total Depth: 6195	Plug Back TD: 6154	Elevation: 7225	Farm or Lease Name: Jicarilla "D"	
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 6190		Perforations: From 3844 To 3870		Well No.: 13	
Tbg. Size: 1.900 / Wt.: 2.76 / d: 1.610 / Set At: 3867		Perforations: From 3859 To 3867		Unit: A / Sec.: 32 / Twp.: 26N / Rge.: 3W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 5790		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico	
L: 3848 / H	Gg: 0.620	% CO_2	% N_2	% H_2S	Prover / Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2"		3/4"				677		677		15 Days
1.							3	48°	97		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		15	1.0117	0.9837	1.000	185
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

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OIL CON. COM.
DIST. 3

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 689 P_c^2 474,721

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		109	11,881	462,840
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0257$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0217$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 189$

Absolute Open Flow 189 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Kenneth E. Roddy	Kenneth E. Roddy	


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