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: 2/8/72	
Company: Southern Union Production Co.			Connection: El Paso Natural Gas Company		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 12/13/71	Total Depth: 7172		Plug Back TD: 7135	Elevation: 6761	Farm or Lease Name: Jicarilla "L"
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 7154			Perforations: From 7056 To 7114		Well No.: 5
Tbg. Size: 2.0625 / Wt.: 3.25 / d: 1.750 / Set At: 7056			Perforations: From 7048 To 7056		Unit: N / Sec.: 33 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Oil			Packer Set At: 6890		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico
L: 7038	H:	Gg: 0.700	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				2157				7 Days
1.						146	61°			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		158	0.9990	0.9258	1.017	1838
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 _____
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

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P_c 2169 P_c^2 4,704,561

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			203,185	4,501,376
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0451$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0336$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1900$

Absolute Open Flow 1900 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