NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 4-16-80

Company: SUPRON ENERGY CORPORATION	Connection: Southern Union Gathering Company			Unit:
Pool: Blanco	Formation: Pictured Cliffs			
Completion Date: 3-28-80	Total Depth: 4875	Plug Back TD: 4816	Elevation: 5789	Farm or Lease Name: Mims State Com
Csg. Size: 7.000 / 4.500 — Wt.: 23.00 / 9.50 — d: 6.366 / 4.090 — Set At: 2592		Perforations: From 2269 To 2357		Well No.: 1-A
Tbg. Size: 2.0625 — Wt.: 3.25 — d: 1.750 — Set At: 2332		Perforations: From 2326 To 2332		Unit: D — Sec.: 16 — Twp.: 29N — Rge.: 9W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 3843		County: San Juan
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
2321		0.620						

	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"				842		843		14 days
1.						133	62°	333		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		145	0.9981	0.9837	1.012	1781
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

P_c 855 — P_c^2 731,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		345	119,025	612,000
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1945$ (2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1630$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2071$

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OIL CON. COM.
DIST. 3

Absolute Open Flow 2071 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n 0.85

Remarks: _____

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