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: 1-6-81	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company		
Pool: Wildcat		Formation: Pictured Cliffs		Unit
Completion Date: 12-17-80	Total Depth: 3650	Plug Back TD: 3615	Elevation: 6590	Farm or Lease Name: Quinn
Csg. Size: 2.875 / Wt.: 6.50 / d: 2.441 / Set At: 3646		Perforations: From 3476 To 3538		Well No.: 9
Tbg. Size: No Tubing / Wt. / d / Set At		Perforations: From To		Unit: P / Sec.: 20 / Twp.: 31-N / Rge.: 8-W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At: ----		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F: 6	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
3466		0.650						

	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"						1402		7 days
1.								37	90°	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		49	0.9723	0.9608	1.000	566
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 1414 P_c^2 1,999,396

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			3892	1,995,504
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0020$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0017$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 567$

Absolute Open Flow 567 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

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