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: 3-24-80	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Co.		
Pool: Undesignated		Formation: Farmington Sand		Unit
Completion Date: 3-15-80	Total Depth: 1650	Plug Back TD: 1609	Elevation: 5795	Farm or Lease Name: Largo Federal
Csg. Size: 4.500 / Wt.: 9.50 / d: 4.090 / Set At: 1650		Perforations: From 1527 To 1532		Well No.: 3
Tbg. Size: 1.900 / Wt.: 2.76 / d: 1.610 / Set At: 1497		Perforations: From No Perforations To		Unit: C / Sec.: 34 / Twp.: 29N / Rge.: 9W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single		Packer Set At: -----		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico
L: 1485	H:	Gg: 0.620	% 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"				565		590		9 days
1.						17	57°	132		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		29	1.0029	0.9837	1.000	354
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T.	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 602 P_c^2 362,404

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		144	20,736	341,668
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0607$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0513$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 372$

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OIL CON. COM.
DIST. 3

Absolute Open Flow 372 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

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