

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3/19/81			
Company Supron Energy Corp. (Hill)						Connection			
Pool Basin						Formation Dakota			
Completion Date 3/12/81		Total Depth 7000		Plug Back TD 6988		Elevation		Farm or Lease Name Hodges	
Csq. Size 4.50	Wt. 4.052	d 4.052	Set At 7000	Perforations: From 6602 To 6750		Well No. 8E			
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 6620	Perforations: From To		Unit Sec. Twp. Rge. D-21-26N-8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g est. .650	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							1596		1596		7 days 3 hrs.
1.			.750	43		51	43	51	526		
2.											
3.											
4.											
5.											

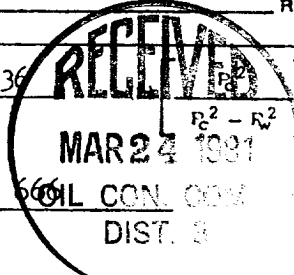
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		55	1.0088	.9608	1.0000	659
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ X X X X X X X X	
3.					Specific Gravity Flowing Fluid _____ X X X X X	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 1608 P _c ² 2585664			
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1	3025	186	34676 2550988
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0136}{1.0102}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 666$$



Absolute Open Flow 666 Mcfd @ 15.025		Angle of Slope θ Slope, n .75	
Remarks: Trace of condensate and water after flare was turned off.			
Approved By Division		Conducted By: CRW	
Calculated By: <i>AK Kendrick</i>		Checked By:	