

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 1/31/81			
Company Supron Energy Corp. (Hill)				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 1/15/81		Total Depth 7071		Plug Back TD		Elevation 6030 GL		Farm or Lease Name Taliaferro	
Coq. Size 5.500	Wt. 20.00	d 4.778	Set At 7040	Perforations: From 6870 To 6972		Well No. 4E			
Tog. Size 1.990	Wt. 2.75	d 1.610	Set At 6109	Perforations: From To		Unit Sec. Twp. Rge. C-29-31N-12W			
Type Well - Single - Brdenhead - 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		State New Mexico	
L	H	G _q 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							1001				16 days
1.			.750	89		50	89	50			3 Hrs.
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 F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	12.365		101	1.0098	.9608	1.0000	1212
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_w^2 - P_t^2} = 1.1202$	(2) $\left[\frac{P_t^2}{P_w^2 - P_t^2} \right]^n = 1.0888$
1	10201	332	110095	916074			
2.							
3.							
4.							
5.							

Absolute Open Flow _____ 1320 _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .75	
Remarks: Blew very light fog of condensate and water throughout test.					
Approved By Division		Conducted By		Calculated By	
				Checked By	