

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3/13/81				
Company Supron Energy Corp. (Hill)					Connection				
Pool Basin					Formation Dakota		Unit		
Completion Date 3/6/81			Total Depth 7490		Plug Back TD		Elevation		
Form or Lease Name Newsom A					Well No. 7 E				
Csg. Size 5.50		Wt. 17.00		d 4.892		Set At 7445		Perforations: From 7214 To 7432	
Tbg. Size 1.900		Wt. 2.90		d 1.610		Set At 7155		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G - G Multiple					Packer Set At 7114		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F #		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							1639		610 (PC)		7 days
1.			.750	111		62	111	62			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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mhd
1	12.365		123	.9981	.9608	1.0000	1458
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	15129	425	180423	2545378	1.0709	1.0527
2						
3						
4						
5						

Absolute Open Flow				Angle of Slope	
1535				.75	

Remarks: Produced a fog of distillate and water throughout test.

Approved by Division	Conducted By	Calculated By	Checked By