

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/8/81			
Company Supron Energy Corp.				Connection					
Pool Basin				Formation D kota				Unit	
Completion Date 3/30/81		Total Depth 7000		Plug Back TD 6840		Elevation 6368 GR		Farm or Lease Name Newsom	
Csq. Size 4.50	Wt. 10.50	d 4.052	Set At 7044	Perforations: From 6585 To 6770				Well No. 17E	
Trq. Size 1.900	Wt. 2.90	d 1.610	Set At 6625	Perforations: From To				Unit Sec. Twp. Rge. P-20-26N-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 ₀		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1736		1736		8 days
1.			.750	172		52	172	52	846		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, Mcfd
1	12.3650		184	1.0078	.9608	1.0000	2203
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio		Mc/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons		Deq.
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. 3 P.S.I.A.
5.					Critical Temperature		R R

P _c 1748 P _c ² 3055504					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.3174$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2297$	
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²		
1		858	736164	2319340		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2709$			
Absolute Open Flow 2709		Mcfd @ 15.025	
Angle of Slope @		Slope, n .75	

Remarks: Too wet to flare.

Approved By Division	Conducted By: CRW	Calculated By: <i>AR Kendrick</i>	Checked By:
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