

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 12/4/80			
Company Supron Energy Corp				Connection					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 11/26/80		Total Depth		Plug Back TD		Elevation 5925 GL		Farm or Lease Name USA	
Coq. Size 4.500	Wt. 10.50	d 4.052	Set At 6995	Perforations: From 4606 To 4696		Well No. 1			
Fig. Size 2.375	Wt. 4.70	d 1.995	Set At 6760	Perforations: From None To		Unit Sec. Twp. Rge. P-24-32N-13W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G-G Multiple						Packer Set At 6760		County San Juan	
Producing thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico	
L	H	Gg est .675	% 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							1612 (Dakota)		1097 (Mesaverde)		7 Days
1.			.750	99		60			99		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		111	1.000	.9427	1.000	1294
2.							
3							
4.							
5.							

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

P _c 1109	P _c ² 1229881	(1) $\frac{P_c^2}{P_1^2 - P_w^2} = 1.0143$	(2) $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 1.0107$
NO. 1	P ₁ ² 12321	P _w 132	P _w ² 17363
2			
3			
4			
5			

AOI = 0

Absolute Open Flow 1308 Mcfd @ 15.0% Angle of Slope .75

Remarks: After 28 minutes well blew light fog of distillate and water for remainder of test.

Approved by Division	Conducted by: CRW	Calculated by: <i>W. K. Kunkle</i>	Checked by:
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