

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2000
SANTA FE, NEW MEXICO 87501Form O-392
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1/15/81						
Company Supron Energy Corp. (Hill)					Connection						
Pool Blanco					Formation Mesaverde						
Completion Date 11/28/80			Total Depth 8248		Plug Back TD 8248		Elevation 7158 G		Farm or Lease Name Jicarilla A		
Csg. Size 5.500 I		Wt. 14.00		Set At 5.012		Set At 3788/8244		Perforations: From 5986 To 6135		Well No. 13E	
Tub. Size 1.500		Wt. 2.75		Set At 1.610		Set At 5978		Perforations: From To		Unit Sec. Twp. Rge. N-13-26N-4W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G = G Multiple					Packer Set At 7968			County Rio Arriba			
Producing Thru Tubing			Reservoir Temp. °F p		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							1414 (D)		1191 (M)		48 days
1.		.750		293		52	293 (M)	52	1046 (M)		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	12.365		305	1.0088	.9608	1.0000	3655
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 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

P _c 1203 P _c ² 1447209					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.1202$		(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3478$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²				
1	93025	992	983393	463816				
2								
3								
4								
5								

Absolute Open Flow _____ 8581 _____ Mcfd @ 15.025					Angle of Slope θ _____		Slope, n _____ .75		
Remarks: Made approximately 1 barrel of drip during test.									
Approved by Division			Conducted By: CRW			Calculated By: AR Kendrick		Checked By:	