

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1.STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-13-81	
Company Supron Energy Corporation				Connection Southern Union Gathering Co.	
Pool Blanco				Formation Mesaverde	
Completion Date 4-15-81		Total Depth 8082 ft.		Plug Back TD 8069 ft.	
Elevation 6541 ft.		Form or Lease Name Nordhaus		Well No. 5-A	
Core Log 7.625	WT. 26.40	6.969	Set At 3710	Perforations From 5344 To 5994	Unit Sec. Twp. Rwy. F 12 31N 9W
Core Log 2.0625	WT. 15.50	4.950	3535-8080	Perforations From 5970 To 5976	
Core Log 2.0625	WT. 3.25	1.750	6042		
Type Well - Single - Broadhead - C.G. or C.O. Multiple Dual - Gas - Gas				Packer Set At 7789	
Producing thru Tubing				County San Juan	
Heater/Port Temp. °F P				State New Mexico	
L H Co				% N ₂ % H ₂ S Prover Meter Run Taps	
5960 0.650					

FLOW DATA

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	Duration of Flow
51	2"		3/4"				598		579		21 days
1.							83	59°	452		3 hours
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}	Flow Q, Mcf
1	12.3650		95	1.0010	0.9608	1.0000	1130
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	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 ₁ 610	P ₂ 372,100						
NO.	P ₁ ²	P ₂	P ₂ ²	P ₂ ² - P ₁ ²	(1) $\frac{P_2^2}{P_2^2 - P_1^2} \times 2.3730$	(2) $\left[\frac{P_2^2}{P_2^2 - P_1^2} \right]^n \times 1.9119$	
1		464	215,296	156,804			
2.							
3.							
4.							
5.							

Absolute Open Flow	2160	Ucid # 15.025	Angle of Slope #	Slope, n 0.75
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Remarks	
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Approved by Division	Conducted By	Calculated By	Checked By
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