

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		8/21/79	
Company				Connection							
Supron Energy Corporation				Gas Company of New Mexico							
Pool				Formation				Unit			
South Blanco				Pictured Cliffs							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
8/4/79		3264		3230		6719 RKB		Jicarilla "J"			
Eq. Size	Wt.	d	Set At	Perforations:				Well No.			
2.875	6.50	2.441	3261	From 3115		To 3171		19			
Th. Size	Wt.	d	Set At	Perforations:				Unit Soc. Twp. Rye.			
No Tubing was run				From		To		L 36 26N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single						-		Rio Arriba			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Casing		P				12		New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover		Meter Run		Taps	
3101		0.620									

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	2"		3/4"						963		8 days
1.									57	54°	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		69	1.0058	0.9837	1.000	844
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 _____ XXXXXXXXXX	
3.					Specific Gravity Flowing Fluid _____ XXXXX	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 975		P _c ² 950,625		(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0081$		(2) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0068$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²			
1			7615	943,010			
2							
3							
4							
5							

Absolute Open Flow 850 Mcfd @ 15.025 Angle of Slope Φ _____ Slope n 0.85

Remarks: _____

Approved by Division	Conducted By: Gene Current.	Calculated By:	Checked By:
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