

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 10-8-79	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 9-29-79		Total Depth 6366		Plug Back TD 6272		Elevation 7391 KB
Casing Size 7.000 4.500		WT. 23.00 10.50		d 6.366 4.052		Well No. 13-A
Tub. Size 2.0625		WT. 3.25		d 1.750		Unit Sec. Twp. Rge. P 32 26N 3W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico
L 6133		H		Gg 0.650		% 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	2"		3/4"				1142		1142		7 days
1.							206	54	650		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		218	1.0058	0.9608	1.022	2662
2.							
3.							
4.							
5.							

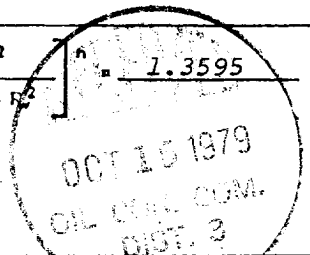
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1142 P _c ² 1,304,164			
NO.	P _t ²	P _w	P _w ²
1		662	438,244
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.5061$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 3619$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.3595$



Absolute Open Flow	3619	Mcf/d @ 15.025	Angle of Slope @	Slope, w. 0.75
Remarks:				

Approved By Division	Conducted By Leroy Tafoya	Calculated By Kenneth E. Roddy	Checked By:
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