TOPIC: maximum injection pressure + total volume

DATE: 3-3-10

FILE UNDER: Williams Federal 299-27-5

PAGE: 1

total volume:

18 ft x 0.14 = 2.52
27 ft x 0.125 = 3.375
12 ft x 0.14 = 1.68
11 ft x 0.125 = 1.375
3 ft x 0.065 = 0.195
20 ft x 0.135 = 2.7
3 ft x 0.08 = 0.24
9 ft x 0.105 = 0.945
17 ft x 0.145 = 2.465
2 ft x 0.095 = 0.19
23 ft x 0.12 = 2.76
8 ft x 0.10 = 0.8
30 ft x 0.145 = 4.35
13 ft x 0.125 = 1.625
28 ft x 0.185 = 5.18
27 ft x 0.175 = 4.725
4 ft x 0.13 = 0.52
15 ft x 0.11 = 1.65

37.295 ft x (1320 ft)^2 x π = 204 149 512 ft^3

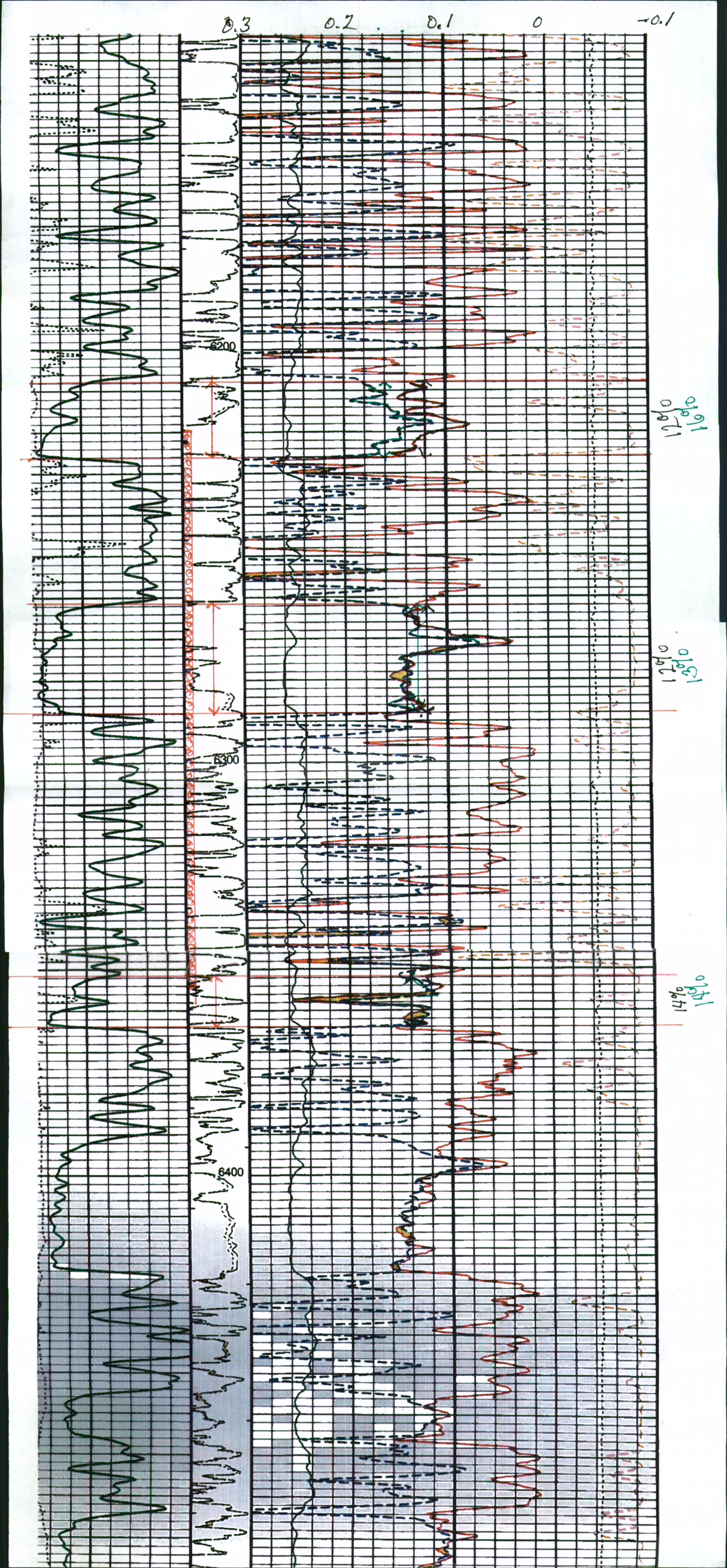
x 1 bbl / 5.6146 ft^3 = 36 360 473 bbl

injection pressure =

(0.58 - 0.433) psi/ft x 6220 ft = 914.34 psig

0.3
0.2
0.1
0
-0.1
6700
6800

0.3
0.2
0.1
0
0.1
6400
6500


0.3
0.2
0.1
0
-0.1
6200
12%
16%
12%
13%
6300
14%
14%
6400