

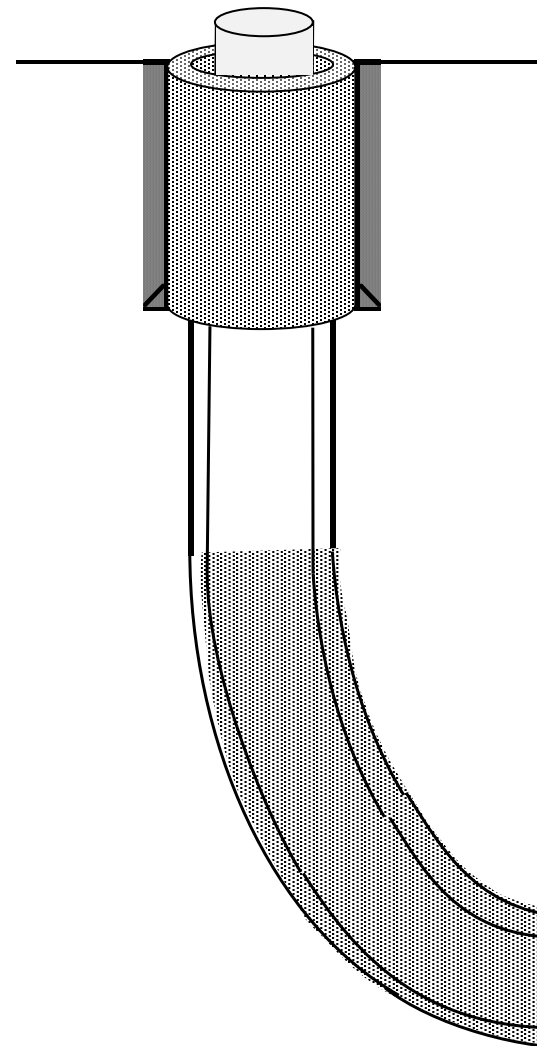
Zimmerman 34-14-3-14 H

As Drilled Wellbore Diagram - NOT TO SCALE



Updated: 2/6/2014
Location: Section 34 Township 31S Range 1E, Sumner County, Kansas
Field: Unknown
API Number: 15-191-22701-01-00 Elevations: GL 1310
Target Zone: Mississippian Lime KB 1330.5
KB 20.5

Tubing
3-1/2", J-55, EUE 8 rd
EOT @ 3826' - ESP btm @ 3883'



Surface Section

Hole: 13.5"
Depth: 337' MD
Casing: 327' MD - 9-5/8" 36# J-55, ST&C
Cement: 210 sx Class 'A'
Cement Top: Surface
Mud Weight: 8.8 ppg

Intermediate Section

Hole: 8-3/4"
Depth: 4150' MD/ 3688' TVD
Casing: 7" 23#, 26#, N-80 LT&C
Cement Top : Est. 2650' MD
Cement: 260 sx Class 'A'
Mud Weight: 8.6-9.1 ppg

Directional Section

KOP: 3042' MD
Build @ 9 deg/100' to a 90.0 degree inclination at 4150' MD
Set casing @ 4131' and maintain 90 degrees to TD @ 8,274' MD.

Production Section

Hole: 6-1/8"
Depth: 8274' MD/ 3735' TVD
Casing: 4-1/2", 11.6# N-80 LT&C tieback to Surface for stimulation pumping
Cement : 94 bbls, 13.5 ppg, 352 sks 40/60 Poz H
Mud Weight: 8.4 ppg Slick Water

Liner Top @ 3890' MD/ 3644' TVD

