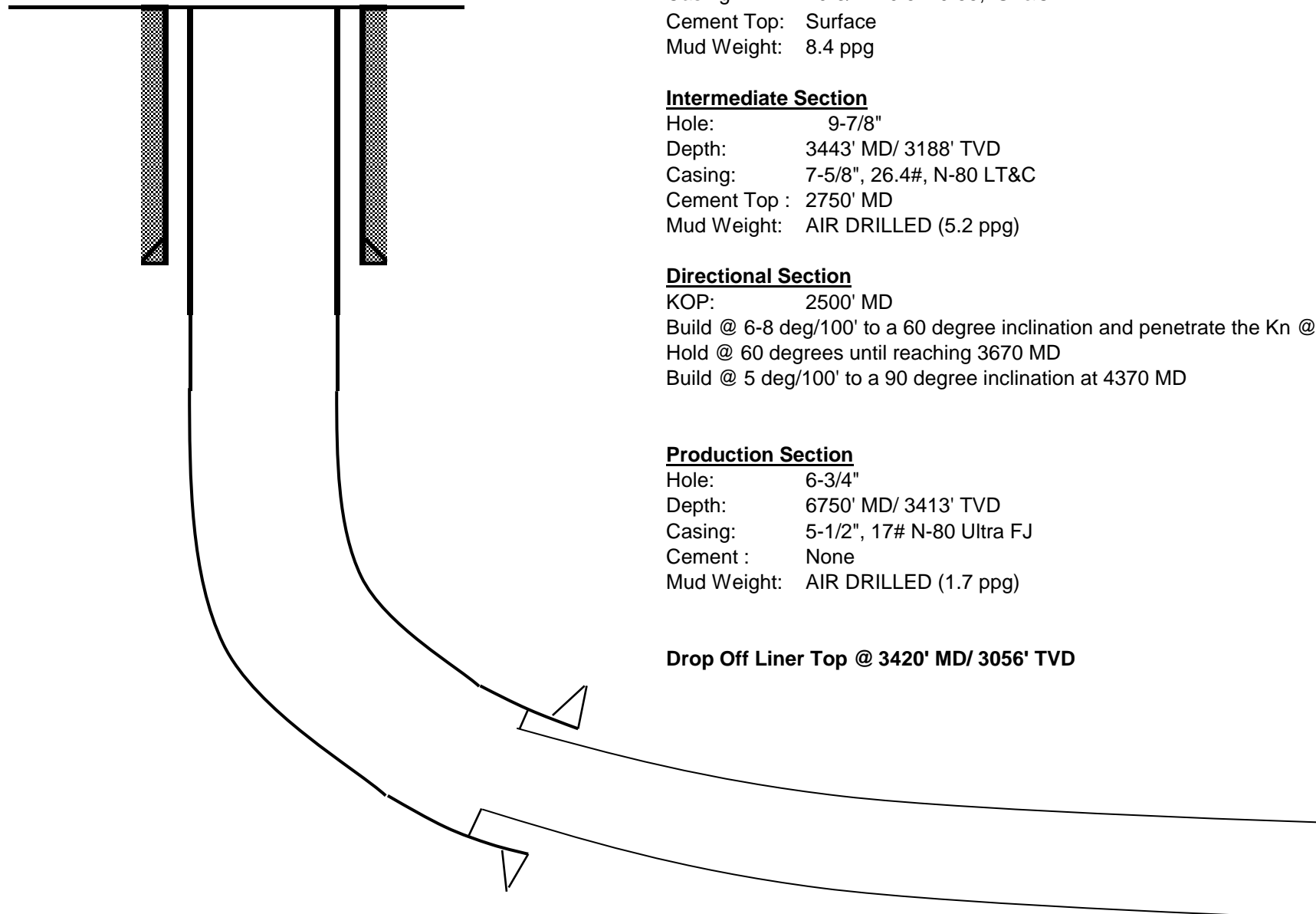


WFU Durham #1-31 N

Wellbore Diagram

Updated: 4/28/2010
Location: Section 31 Township 5N Range 90W Moffat County, Colorado
Field: Waddle Creek
API Number: Pending Elevation: 6700 GL
Target Zone: Niobrara Shale 6711 KB

Main Bench: @ 3417' / 3175' MD/TVD



Surface Section

Hole: 13-1/2"
Depth: 850' MD
Casing: 10-3/4" 40.5# J-55, ST&C
Cement Top: Surface
Mud Weight: 8.4 ppg

Intermediate Section

Hole: 9-7/8"
Depth: 3443' MD/ 3188' TVD
Casing: 7-5/8", 26.4#, N-80 LT&C
Cement Top : 2750' MD
Mud Weight: AIR DRILLED (5.2 ppg)

Directional Section

KOP: 2500' MD
Build @ 6-8 deg/100' to a 60 degree inclination and penetrate the Kn @ 3400 MD
Hold @ 60 degrees until reaching 3670 MD
Build @ 5 deg/100' to a 90 degree inclination at 4370 MD

Production Section

Hole: 6-3/4"
Depth: 6750' MD/ 3413' TVD
Casing: 5-1/2", 17# N-80 Ultra FJ
Cement : None
Mud Weight: AIR DRILLED (1.7 ppg)

Drop Off Liner Top @ 3420' MD/ 3056' TVD