76239

GROSCH DRILLING COMPANY

3110 33rd Rd
P.O. BOX 337
SILVER CREEK, NE 68663

Grosch Drilling Company
Lithology Log
Fort Dodge Well #21

Location:
188 N 1st Street
Fort Dodge, Iowa

Date – 8/15/2013

Lithology Log

0' – 7' - top fill rubble
7' – 12' – red clay
12' – 16' – black sand
16' – 22' – gravel & river cobbles
22' – 85' – gray/black clay (28'-29' coal)
85' – 188' – black shale – grey mudstone – coal seams (114'-126' coal)
188' – 234' – black/gray shale with red/brown shale
234' – 241' – tan limestone
241' – 260' – gray/green & red shale w/ limestone
260' – 278' – Shale & sandstone strips
278' – 380' – tan limestone w/ anhydrite
380' – 410' – brown/gray dolomite
410' – 438' – gray dolomite
438' – 454' – limestone, siltstone & some sandstone
454' – 495' – dark gray limestone & gray dolomite layers
495' – 516' – blue/green shale

RECEIVED
AUG 15 2013
By