

**SCHAAL DRILLING, CO.**  
**PO BOX 416**  
**BURLINGTON, CO. 80807**  
**719-346-8032**  
**FIELD REPORT**  
**SURFACE CASING, DRILLING AND CEMENTING**

DRILLING DATE 2-23-10

WELL NAME & LEASE # Deterding 30-09

MOVE IN, RIG UP, DIG PITS ETC. DATE 2-22-10 TIME 2:00 ☐AM ☒PM

SPUD TIME 7:30 ☒AM ☐PM SHALE DEPTH 215 TIME 9:30 ☒AM ☐PM

HOLE DIA. 9 7/8 FROM 0 TO 444 TD TIME 12:45 ☐AM ☒PM

CIRCULATE, T.O.O.H., MEASURED 427.89 FT CASING 439.89KB FT SET DEPTH

11 JOINTS 7 0D #/FT ☐14 ☐15.5 ☒17 ☐20 ☐23

0 JOINTS 7 0D #/FT ☐14 ☐15.5 ☐17 ☒20 ☐23

PUMP 107 SACKS CEMENT 709 GALLONS DISP. CIRC. 6 BBL TO PIT

PLUG DOWN TIME 2:15 ☐AM ☒PM DATE 2-23-10

CEMENT LEFT IN CSG. 20 FT  
CENTRALIZER 1  
ELEVATION 3858  
+12KB 3870

TYPE: PORTLAND CEMENT I/II ASTM C 150  
CEMENT COST \$ 1338.74

**PIPE TALLY**

1. 38.65
2. 38.70
3. 37.95
4. 39.20
5. 39.35
6. 38.75
7. 38.70
8. 39.45
9. 39.12
10. 38.72
11. 39.30
- 12.
- 13.
- 14.
- 15.
- 16.

TOTAL 427.89