

**SCHAAL DRILLING, CO.**  
**46881 Hwy 24 BURLINGTON, CO. 80807**  
**719-346-8032**  
**FIELD REPORT**  
**SURFACE CASING, DRILLING AND CEMENTING**

DRILLING DATE 12-14-11

WELL NAME & LEASE # Powell-Rotan 946-2-13

MOVE IN, RIG UP, DIG PITS ETC. DATE 12-13-11 TIME 3:30 AM PM

SPUD TIME 6:45 AM PM SHALE DEPTH 485 TIME 11:00 AM PM

HOLE DIA. 9 7/8 FROM 0 TO 543 + 12 555 TIME 11:45 AM PM

CIRCULATE, TOO, MEASURED 538.00 FT CASING 550.00 KB FT SET DEPTH

13 JOINTS 7 0D #/FT 17 20 23 24 32 @ Amherst yard

PUMP 134 SAC CEMENT 851 GALLONS DISP. CIRC. 6 BBL TO PIT

PLUG DOWN TIME 2:15 AM PM DATE 12-14-11

CEMENT LEFT IN CSG. 50 TYPE : PORTLAND CEMENT I/II ASTM C 150

CENTRALIZER 3 CEMENT COST \$ 2145.26

CENTRALIZER SET@ 1-6-9 Cement 14.7#s  
CR 23 & CR 6 1 W on CR 6 1/4 N 1/4 E

ELEVATION 3921  
+12KB 3933

**PIPE TALLY**

1. 37.80	11. 42.00
2. 42.00	12. 40.80
3. 41.85	13. 42.00
4. 41.95	14.
5. 42.00	15.
6. 41.35	16.
7. 42.00	17.
8. 41.85	18.
9. 40.40	
10. 42.00	<u>Total</u> 538.00