

Pearson SWD #1 (R. F. Leggett #1)

13 3/4" @ 330'

9 5/8" TOC @ 1,500' (temp svy)

7 5/8" TOC @ 1,726' (calc)

7 5/8" Liner @ Surface to 4,945'

7 5/8" Liner Top @ 4,945'

9 5/8" @ 5,035'

7 5/8" Liner - 43 #/ft 0' to 4,945'

7 5/8" Liner - 29.70 #/ft 4,945' - 7,350'

Top @ 5,790'

Injection Interval

Bottom @ 6,970'

5 1/2" 17# L-80 Atlas Bradford FL4S
Casing @ Surface to 7,200'

7 5/8" Liner @ 4,945' to 11,098'

DV Tool @ 3,406'

DV Tool @ 3,820'

Total true Hole Volume:
4,945' x .0655 ft³/ft = 324 ft³
2,255' x .0928 ft³/ft = 209 ft³
Total hole volume = 533 ft³

Cement Weights & Yield:
Class "C" @ 1.32 ft³/sx 14.8 #/gal
Class "C" Halliburton Lite
@ 1.84 ft³/sx 12.7 #/gal

Cement Volumes:
200 sacks x 1.84 ft³/sack = 368 ft³
175 sacks x 1.32 ft³/sack = 231 ft³
Total cmt mixed = 600 ft³

Excess = (600 ft³ / 533 ft³) - 1 = .125
= 12%

Top of tail cement @ 5,000'
Top of lead cement @ surface

50 sx cement plug @ 8,299' to 8,524'

50 sx cement plug @ 9,333' to 9,578'
CIBP @ 9,578'

Repaired Wellbore

Exhibit 27