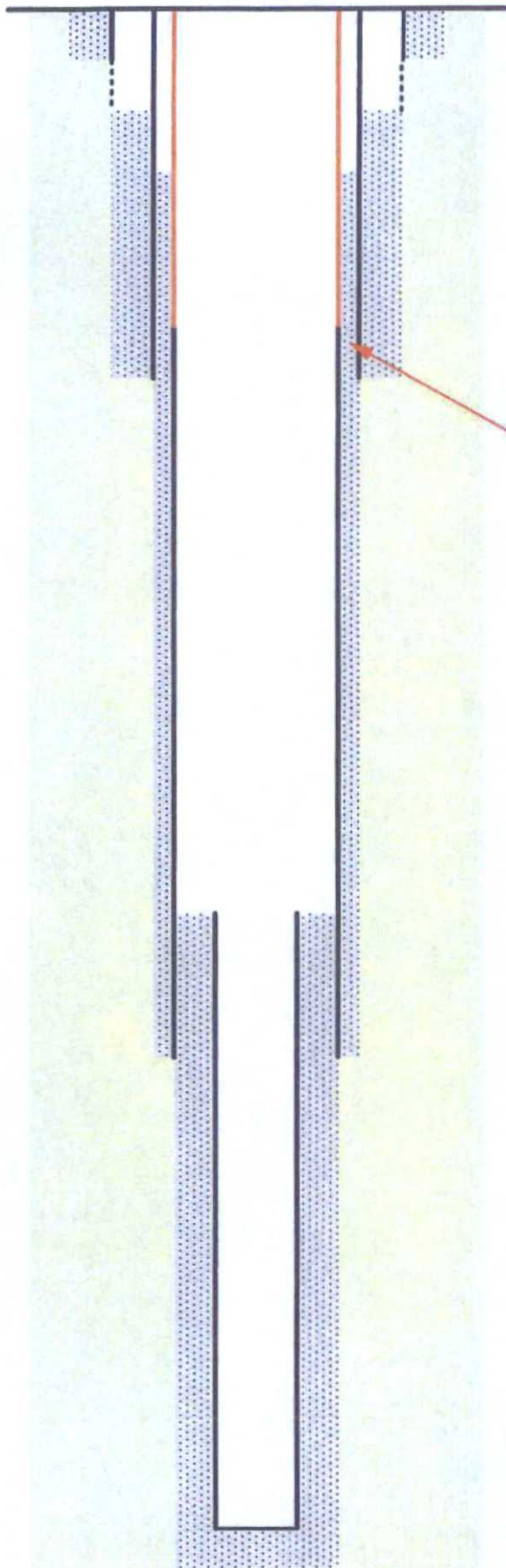


R. F. Leggett #1



13 3/8" @ 330'

TOC @ 1,500' (temp svy)

TOC @ 1,961' (calculated)

DV Tools @ 3,406' & 3,820'

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

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

9 5/8" @ 5,035'

Tested to 2,350 psi w/12.2 #/gal mud on 6-3-'74
(BHP @ 4,945' = 5,487 psi)

5" Liner Top @ 9,577'

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

5" Liner (drill pipe) @ 9,577' to 14,983'

Prior to P & A

Exhibit 26

R. F. Leggett #1

13 3/8" @ 330'
(assume 54.50 #/ft)

17 1/2" hole from surface to 330'

Cement Calculations:

True Hole Volume:

$$330' \times .6946 \text{ ft}^3/\text{ft} = 229 \text{ ft}^3$$

Cement Weights & Yield:

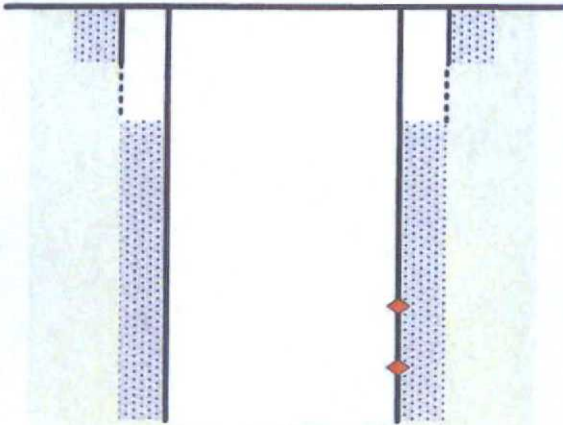
Assume Class "C" @ 1.32 ft³/sx 14.8 #/gal

$$330 \text{ sacks} \times 1.32 \text{ ft}^3/\text{sack} = 435 \text{ ft}^3$$

$$\text{Excess} = (435 \text{ ft}^3 / 229 \text{ ft}^3) - 1 = .899 = 89\%$$

13 3/8" Surface

R. F. Leggett #1



13 3/8" @ 330'

TOC @ 1,500' (temp svy)

DV Tool @ 3,406'

DV Tool @ 3,820'

9 5/8" 64.75 #/ft, 40.00 #/ft, & 43.50 #/ft @ 5,035'

12 2/4" hole from 330' to 5,053'

Cement Calculations:

Total true Hole Volume:

$$330' \times .3627 \text{ ft}^3/\text{ft} = 120 \text{ ft}^3$$

$$(5,053' - 330') \times .3132 \text{ ft}^3/\text{ft} = 1,480 \text{ ft}^3$$

$$\text{Total hole volume} = 1,600 \text{ ft}^3$$

Cement Weights & Yield:

Assume Class "C" @ 1.32 ft³/sx 14.8 #/gal

Assume Class "C" Halliburton Lite @ 1.84 ft³/sx 12.7 #/gal

Stage 1 true Hole Volume:

$$(5,053' - 3,820') \times .3132 \text{ ft}^3/\text{ft} = 386 \text{ ft}^3$$

Stage 1 Cement Volumes:

$$200 \text{ sacks} \times 1.84 \text{ ft}^3/\text{sack} = 368 \text{ ft}^3$$

$$200 \text{ sacks} \times 1.32 \text{ ft}^3/\text{sack} = 264 \text{ ft}^3$$

$$\text{Total cmt mixed} = 632 \text{ ft}^3$$

$$\text{Excess} = (632 \text{ ft}^3 / 386 \text{ ft}^3) - 1 = .637 = 64\%$$

Stage 2 true Hole Volume:

$$(3,820' - 3,406') \times .3132 \text{ ft}^3/\text{ft} = 130 \text{ ft}^3$$

Stage 2 Cement Volumes:

$$200 \text{ sacks} \times 1.84 \text{ ft}^3/\text{sack} = 368 \text{ ft}^3$$

$$100 \text{ sacks} \times 1.32 \text{ ft}^3/\text{sack} = 132 \text{ ft}^3$$

$$\text{Total cmt mixed} = 500 \text{ ft}^3$$

$$\text{Excess} = (500 \text{ ft}^3 / 130 \text{ ft}^3) - 1 = 2.846 = 285\%$$

Stage 3 true Hole Volume:

$$330' \times .3627 \text{ ft}^3/\text{ft} = 120 \text{ ft}^3$$

$$(3,406' - 330') \times .3132 \text{ ft}^3/\text{ft} = 963 \text{ ft}^3$$

$$\text{Total hole volume} = 1,083 \text{ ft}^3$$

Stage 3 Cement Volumes:

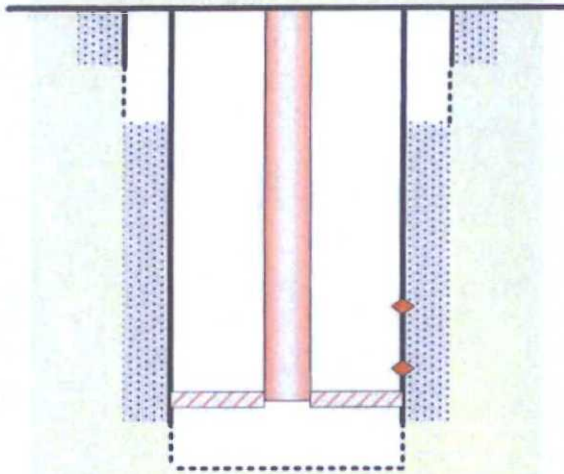
$$1,300 \text{ sacks} \times 1.84 \text{ ft}^3/\text{sack} = 2,392 \text{ ft}^3$$

$$100 \text{ sacks} \times 1.32 \text{ ft}^3/\text{sack} = 132 \text{ ft}^3$$

$$\text{Total cmt mixed} = 2,524 \text{ ft}^3$$

$$\text{Excess} = (2,524 \text{ ft}^3 / 1,083 \text{ ft}^3) - 1 = 2.331 = 233\%$$

R. F. Leggett #1



13 3/4" @ 330'

TOC @ 1,500' (temp svy)

DV Tool @ 3,406'

DV Tool @ 3,820'

9 5/8" 64.75 #/ft, 40.00 #/ft, & 43.50 #/ft @ 5,035'

8 1/2" OH from 5,035' to ± 5,040' (est)

Cement retainer @ 4,800'

Cement Calculations:

Cement Weight & Yield:

Assume Class "C" @ 1.32 ft³/sx 14.8 #/gal

Squeeze true Hole Volume:

(5,035' - 4,800') x .4257 ft³/ft = 99 ft³

(5,040' - 5,035') x .3941 ft³/ft = 2 ft³

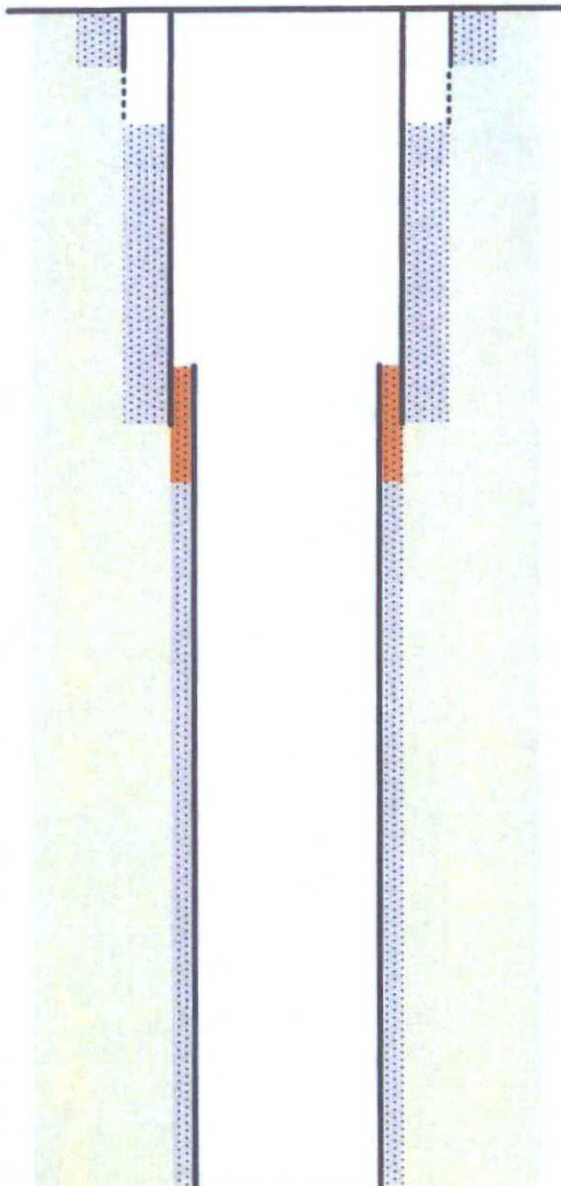
Total hole volume = 101 ft³

Squeeze cement volume:

350 sacks x 1.32 ft³/sack = 462 ft³

Excess = (462 ft³ / 101 ft³) - 1 = 3.57 = 357%

R. F. Leggett #1



13 3/8" @ 330'

TOC @ 1,500' (temp svy)

DV Tools @ 3,406' & 3,820'

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

9 5/8" @ 5,035'

Cement Weights & Yield:

Assume Class "C" @ 1.32 ft³/sx 14.8 #/gal

Assume Class "H" @ 1.18 ft³/sx 15.6 #/gal

Assume Class "C" Halliburton Lite w/2% Econolite
@ 2.74 ft³/sx 11.1 #/gal

Liner True Hole Volume:

(5,035' - 4,945') x .1086 ft³/ft = 10 ft³

(11,098' - 5,035') x .0770 ft³/ft = 467 ft³

Total hole volume = 477 ft³

Liner Cement Volumes:

Tack Shoe:

375 sacks x 2.74 ft³/sack = 1,028 ft³

200 sacks x 1.18 ft³/sack = 236 ft³

Squeeze Liner top:

150 sacks x 1.32 ft³/sack = 198 ft³

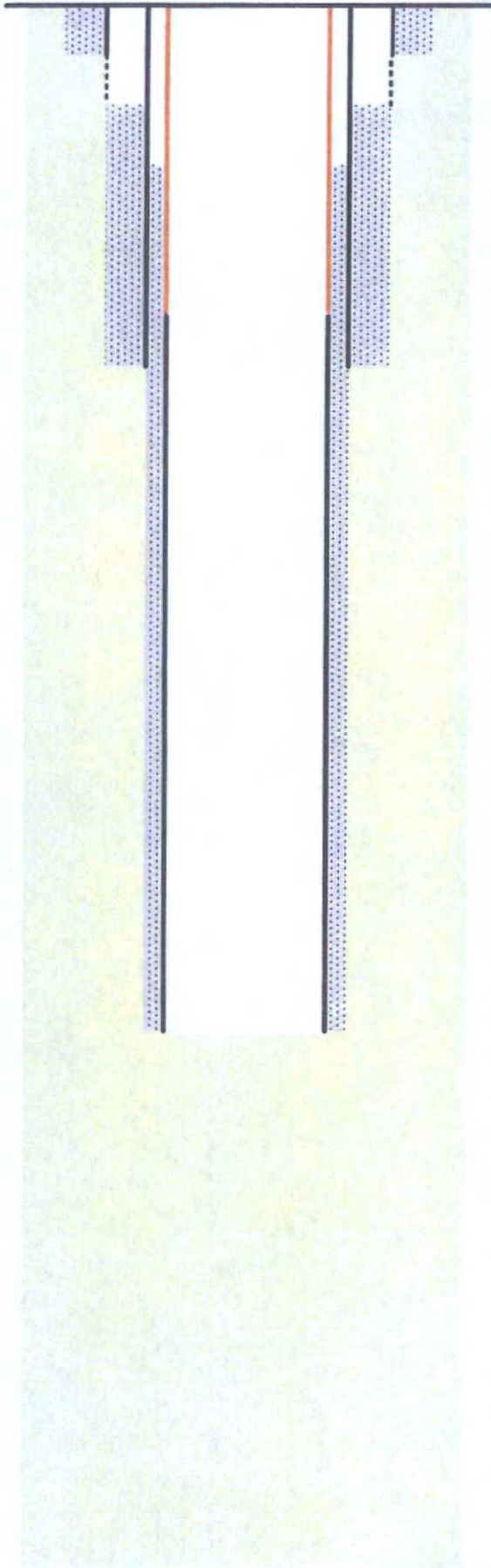
Total cmt mixed = 1,462 ft³

Excess = (1,462 ft³ / 477 ft³) - 1 = 2.065 = 206%

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

7 5/8" Liner

R. F. Leggett #1



13 3/8" @ 330'

TOC @ 1,500' (temp svy)

TOC @ 1,961' (calculated)

9 5/8" DV Tools @ 3,406' & 3,820'

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

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

9 5/8" @ 5,035'

Cement Weights & Yield:

Assume Class "C" @ 1.32 ft³/sx 14.8 #/gal

Assume Class "C" Halliburton Lite @ 1.84 ft³/sx 12.7 #/gal

Liner True Hole Volume:

Assume casing reamed out to 36.00 #/ft equivalent (8.921")

4,945' x .1170 ft³/ft = 578 ft³

Total annular volume = 578 ft³

Liner Cement Volumes:

100 sacks x 1.84 ft³/sack = 184 ft³

125 sacks x 1.32 ft³/sack = 165 ft³

Total cmt mixed = 349 ft³

Annular volume filled = 349 ft³ x 8.550 ft/ft³ = 2,984'

Top of Cmt = 4,945' - 2,984' = 1,961'

Tested to 2,500 psi w/8.4 #/gal (assumed) mud on 3-27-1974
(BHP @ 4,945' = 4,660 psi)

Tested to 2,350 psi w/12.2 #/gal mud on 6-3-1974 (BHP @
4,945' = 5,487 psi)

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

Scab Liner

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

13 3/4" @ 330'

TOC @ 1,500' (temp svy)

TOC @ 1,961' (calculated)

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

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

9 5/8" @ 5,035'

5" Liner Top @ 9,578'

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

5" Liner (drill pipe) @ 9,577' to 14,983'

Cement surface plug

50 sx Cement down 13 3/4" x 9 5/8" Annulus

Cement @ 0' to 615' (7 7/8" x 9 5/8" Annulus)

DV Tool @ 3,406'

50 sx cement plug @ 3,255' to 3,500'

50 sx cement plug @ 3,655' to 3,900'

DV Tool @ 3,820'

75 sx cement plug @ 4,732' to 5,100'

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

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

CIBP @ 9,578'

CIBP @ 13,490'

After P & A