

Well Name: HARDY 36 STATE No. 21

CEMENTING PROGRAM

Surface Casing String:

LEAD 400 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl₂

TAIL 270 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl₂

Intermediate Casing String:

1st Stage

LEAD 1200 sxs Class C Mixed at 12.73 ppg
Additives 6% GEL + 10 PPS SALT + .25 PPS CELLO-SEAL

TAIL 200 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl₂
Percent free water 0 Water Loss 695 cc

2nd Stage

LEAD _____ sxs Class _____ Mixed at _____ ppg
Additives _____

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water Loss _____ cc

Production Casing String:

1st Stage

LEAD 265 Class C-LITE Mixed at 12.5 ppg
Additives 6% GEL + 5% SALT + .8% FL-52 + .2% SMS + .25 PPS CELLO-SEAL

TAIL 420 sxs Class C Mixed at 14.4 ppg
Additives 5 PPS BA-90 + 2 PPS MICRO SEAL + 1% FL-62 + .3% CD-32 + .2% SMS
Percent free water 0 Water Loss 80 cc

2nd Stage

LEAD 925 sxs Class C Mixed at 12.1 ppg
Additives 2.5% SMS

TAIL 465 sxs Class C Mixed at 14.8 ppg
Additives 1.1% FL-62 + 2% BA-90 + 3% SALT + .3% CD-32 + .2% SMS
Percent free water 0 Water Loss 51 cc

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