

4. Casing Program:

Conductor Casing:

0 - 40' -----20", 94# H-40 (set by rathole machine)

Surface Casing:

0 - 350' -----13 3/8", 54.5#/ft, J55, ST&C

Intermediate Casing:

0 - 2500' -----9 5/8", 36#/ft, J55, ST&C

Production Casing:

0 - 1150' -----7", 26#/ft, J55 ST&C
1150' - 2850' -----7", 23#/ft, J55 ST&C
2850' - 4250' -----7", 20#/ft, J55 ST&C
4250' - 6450' -----7", 23#/ft, J55 ST&C
6450' - 7750' -----7", 26#/ft, J55 ST&C

Accessory Equipment:

Surface Casing:

1 - 13 3/8" Texas pattern shoe
1 - 13 3/8" insert float collar
1 - 13 3/8" X 17 1/2" centralizer 3'-5' above shoe
1 - 13 3/8" X 17 1/2" centralizer around next 2 collars
1 - 13 3/8" X 17 1/2" centralizer around alternating collars
to surface
1 - 13 3/8" stop ring

Note: Run shoe and insert collar 1 joint apart

Intermediate Casing:

1 - 7" float shoe
1 - 7" float collar
2 - 7" stop rings
1 - 7" X 8 3/4" centralizer 3-5' above float shoe
1 - 7" X 8 3/4" centralizer around next collar
1 - 7" X 8 3/4" centralizer immediately below float collar
1 - 7" X 8 3/4" centralizer around next 2 collars
1 - 7" X 8 3/4" centralizer around alternating collars for next
14 joints (7 centralizers)

Note: Run float shoe and float collar 2 joints apart