|  |  |  |  |  | 9．E¢z／009＊ |  |  | L＇06L／GLE＊ |  |  |  |  |  | 87 | $8 \downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 9＇ıてZ009＇ |  |  | L＇99L／GLE＇ |  |  |  |  |  | てt | てt |
|  |  |  |  |  | 9．681／009 ${ }^{\text {＇}}$ |  |  | じてヤレ／GくE＇ | ع＇ $282 / \mathrm{GL}{ }^{\circ}$ | 1＇9\＆z／Gz9＇ | $9.68 \mathrm{~L} / 00 \mathrm{G}^{\prime}$ | 6．81）／Z18゙ |  | 98 | 98 |
|  |  |  |  |  | 682L／009 ${ }^{\circ}$ |  |  |  | 8＇tャて／889＇ | 8＇ટZ乙／GZ9＇ | 6．8LL／00G |  |  | $\dagger \varepsilon$ | $\downarrow \varepsilon$ |
|  |  |  |  |  | て＇891／009 ${ }^{\text {－}}$ |  |  | L＇9てL／GLE＇ | ＋＇0¢Z／889＇ | が60Z／G29 ${ }^{\circ}$ | て＇89 1／00G＇ | 9＇S01／Z18＇ |  | 乙\＆ | 乙ย |
|  |  |  |  |  |  |  |  |  |  | 1＇961／929 ${ }^{\circ}$ | 9＇LS L／009＇ | 86＇86／Z18＇ |  | 0¢ | $0 \varepsilon$ |
|  |  |  |  |  | 8＇9bl／009 ${ }^{\text {² }}$ |  |  | 9＇01 $/$／GLE |  | L＇281／929＇ | 8＇9b L／009＇ | 9て＇Z6／Z18＇ |  | 82 | 82 |
|  |  |  |  |  | て＇981／009＊ |  |  | 9＇201／9LE＊ |  |  | て＇98 $/$／009 ${ }^{\text {c }}$ | $9^{\circ} \mathrm{G} 8 / \mathrm{Z}$ 18＇ |  | 92 | 92 |
|  | 6．1ヶG／Et¢ ${ }^{\text {a }}$ | 1＇88t／290＇乙 | ャ＇6で／／18＇ | $\dagger^{\circ} \angle 9 \varepsilon / L \varepsilon 9^{\prime}$＇ | ¢＇SZL／009＊ | ＊＊96Z／8เて＇ | 1＇8EZ／896＊ | 29 ${ }^{\circ}$ 6／GLE＊ | Z＇121／L89＊ | 8＇0tr／Z99 ${ }^{\circ}$ | 29＇ท6／GLE＊ | トャ゙と9／09で |  | 七乙 | 七乙 |
|  | 1＇LSt／GZ1＇Z | 0 $0^{\circ} 0 \mathrm{t} / \mathrm{S} \angle 8^{\circ} \mathrm{l}$ | 9＊ESE／GZ9＇। |  | 8＇ヤレL／009＊ | 8＊09Z／GZ1＇ | －$\angle 61 / \mathrm{G}$ L8 ${ }^{\circ}$ | 19．98／GLE |  | 8＇ャレ／009 ${ }^{\text {－}}$ | 19．98／GLE | $\angle 0.8 \mathrm{G} / 0 \mathrm{SZ}{ }^{\circ}$ |  | こ乙 | 乙Z |
|  | 0＇6LE／896 ${ }^{\prime}$ | ドเもE／0SL゙！ | $\dagger^{\prime} 962 / 0$ G＇$^{\prime}$ | 1＇9GZ／08Z 1 | ＇＇t0L／009＇ | 680Z／LE0＇ | －$^{\circ} 991 / \mathrm{L} 8^{\circ}$ | 9＊8L／GLE＊ | 6＇ZZL／E6G＊ | 1＇t0ト／00s＊ | 9 ${ }^{\circ} 8 \mathrm{~L} / \mathrm{G} / \varepsilon^{\circ}$ | \＆L＇Z乌／0¢Z＇ |  | 02 | 02 |
|  | ¢＇808／18L＇ | でゅ 2 ／Z9G＇ | 1＇ももて／GLE＇ | 0．802／9G1＇ | St \％6／009 ${ }^{\text {－}}$ | 80＜L／ 186 | で8EL／0GL＇ |  | $8^{\prime}+01 / 299^{\circ}$ | 90＇Z8／LEt＊ | 8069／ZเE | $6 \varepsilon^{\circ} \angle \downarrow / 0 ¢ Z^{\prime}$ |  | 81 | 81 |
|  | 1＇StZ／E6G＇t |  | と＇ $661 / 81$＇ 1 | 8 $\dagger 91 / 180 \cdot 1$ | LL＇Z8／009＇ | ¢＇98L／Et8＇ | S＇L01／999 | 89＇29／GLE＇ | LL＇Z8／00G＇ | 89＇Z9／G ¢ $^{\prime}$＇ | 98＇zG／Z1E＇ | G0＇Zち／0GZ＇ |  | 91． | 91 |
|  | 1＇681／90t＇ | で0くL／09て＇ | L＇OGI／E60＇। | L＇0¢1／LE6＇ | 60＇ZL／009＇ | 1＇90 L／0GL＇ | $16^{\prime}+8 / 86 \mathrm{G}^{\prime}$ | $\angle G^{\prime} \dagger \mathrm{G} / \mathrm{G} \angle \varepsilon^{\prime}$ | LE＇$¢ 9 / \angle E \dagger^{\prime}$ | $\angle G^{\prime} \dagger \mathrm{G} / \mathrm{G}$ LE＇ | 89＇9ヶ／Z1E＇ | 1L＇9E／0GZ＇ |  | 七1 | 七レ |
|  | ع＇091／Zเモ＇ | L＇6EL／Gく1’ | G＇GZI／00＇ 1 | て＇20 1／Et8＇ | で＇99／009＇ | 15＇88／L89＇ | 91＇$¢ 2 / \mathrm{Z99}$＇ | 9G ${ }^{\circ} 6 \mathrm{~V} / \mathrm{G}$ ¢ $\varepsilon^{\prime}$ | £G＇¢G／90t＊ | LLEも／0E®＇ | 8モ゙をモ／0Gて＇ | 0でもて／08ト・ | 81＇ZZ／G91＊ | OGL＇て1 | こ1 |
|  |  |  |  |  | 20＇09／009 ${ }^{\text {＇}}$ |  |  | 9G＇Gt／GLE＇ |  |  |  |  |  | OGL＇1． | $1+$ |
|  | L＇S1ト／GZト＇ | ＋＇t01／00＇t | 0Z＇68／Et8＇ | 86＇9L／8 $\mathrm{L}^{\prime}$ |  | £ ${ }^{\prime}$ t9／\＆69＇ | $\dagger L^{\prime} \mathrm{tG} / 00 \mathrm{~S}^{\prime}$ | 8t＇0b／G98＇ | $8 \downarrow^{\prime} 0 \downarrow / \mathrm{S98}$ | ャでャモ／LOE＇ | ャ0＇8て／09て＇ | 0L＇81／991＊ | 61＇Sト／tEト＇ | 0GL＇01 | O1． |
|  |  |  |  |  | てL＇8t／009 ${ }^{\text {＊}}$ |  |  | 06＇\＆と／Z†E＇ |  |  |  |  |  | GZ9＊6 | 6 |
| ででZL／GL8＊ | $69^{*} \downarrow \angle / 906^{*}$ | 91＊29／218 ${ }^{\circ}$ | 89＊09／81／${ }^{\circ}$ | L8＇09／869＇ | $6 \varepsilon^{\prime}$ ¢ヶ／009＊＊ | $6 \varepsilon^{\prime \prime} \mathrm{E}$／／009＊ | t9 ${ }^{\prime} \mathrm{S} \mathrm{\varepsilon} / 90 \mathrm{t}^{\prime}$ | 9¢＇8て／てZE＇ | ૬s＇8乙／ZટE＊ | $0 L^{\prime} \downarrow$ C／$\angle L L^{\prime}$ | 9どてて／09で | がとト／8ャド | ヤเ6＇6／60ト ${ }^{\circ}$ | S29＊8 | 8 |
| 80＇E9／GL8 ${ }^{\circ}$ |  |  |  |  | S0＇8ع／009＊ |  |  | LG＇$¢$ Z／10¢＇ |  |  |  |  |  | S29\％ | $L$ |
| 91．89／t98 | 0¢Gワ／8Lぐ |  | $6 \varepsilon^{\circ} 98 / 299^{\circ}$ |  | LG＇8て／乙Et ${ }^{\circ}$ | くG＇8て／て\＆が |  | L6．8L／08て | L6．81／08Z |  |  | 68て＇6／tを1＊ | S89 $\mathrm{L}^{\circ} 60 \mathrm{~L}^{\circ}$ | S29＇9 | 9 |
| ¢G ${ }^{\circ} 8 . / 0 \mathrm{~S}^{\circ}$ | 96 Z\＆／GZ9 |  | ャ0 $2 \mathrm{LZ} / 00 \mathrm{G}^{\circ}$ |  | 8L＇0Z／GLE＊ | 8L＇0Z／GLE＊ |  | て9＇ャレ／8Gで | 29＇ャレ／8¢で |  |  |  | 6セ¢ $9 / 60 \vdash^{\circ}$ | ع99＇G | G |
| \＆s＇ze／01 ${ }^{\circ}$ |  |  |  |  | 19 ${ }^{\circ} \mathrm{LL} / \mathrm{SGE}{ }^{\circ}$ |  |  | \＆c＇こん／Ltで |  |  |  |  |  | G | 2／1 $\quad$－ |
| ャ¢＇$\angle 乙 / \downarrow \angle 9^{\circ}$ | เG＇ 2 ／ 1 ¢ $G^{\prime}$ |  | 10 ${ }^{\circ} 61 / \angle 8 \downarrow^{\prime}$ |  | $86^{\circ} \downarrow 1 / \angle \varepsilon \varepsilon^{\circ}$ | $86^{\circ} \downarrow \downarrow / \angle \varepsilon \varepsilon^{\prime}$ | 99＇Zレ／18て＇ | 6L＇01／LEZ | 6L＇01／LEZ |  |  |  | G $16.8 / 880^{\circ}$ | 009＇† | † |
| ¢8＇ZZ／989 |  |  |  |  | เ¢＇Z1／8เE＇ | 1G＇Z1／81E＇ |  | 601．6／9で | 6016／9己て |  |  | とL6 ${ }^{\text {t／OZ }}$－ | ZLナ゙と／E80 | $\downarrow$ | Z／1 $\varepsilon$ |
| 89＇81／009 ${ }^{\circ}$ |  |  |  |  | Sて＇01／008＇ | Sで0ト／008＇ |  | 9GL＇L／91て＇ | 9LG＇L／9トて＇ |  |  |  | 620＇E／E80＇ | 009＇ $\mathcal{L}$ | $\varepsilon$ |
| 02＇Et／ZS9＇ | 10＇0 $/$／ 9 LE＇ |  |  |  | 199＇L／9LZ＇ | 199＇ $1 / 9 \mathrm{LZ}$ |  | 86L＇9／80Z＇ | 86L＇9／E0Z＇ |  |  | เعG＇غ／0Z1＇ |  | GL8＇Z | 己／1 乙 |
| 620＇6／98゙＊ | けもず L／EtE＇ |  |  |  | ZZ0＇9／8เて＇ | てZ0＇9／81て＇ |  |  | \＆S9＇E／tG1＇ |  |  | 8E9 ${ }^{\circ} \mathrm{Z} / 601^{\circ}$ | ャ09＇t／990 | S $\angle \varepsilon^{\prime}$＇ | $\checkmark$ |
| 80t ${ }^{\text {¢ }}$／00＊＊ |  |  |  |  | เย9 ${ }^{\circ} / 00 \mathrm{~J}^{\prime}$ | 189＇\＆／00で |  | 81ぐて／らが＇ |  |  |  | 980 ${ }^{\circ} / 601^{\circ}$ | ヤLで $/$／ $990^{\circ}$ | 006\％ | C／L 1 |
| ャレて＇9／Z88＊ | 991．E／0Gく |  |  |  | L66＇Z／L61＊ |  |  | \＆ 2 でて／0ャ1＊ |  |  |  | 908 ${ }^{\text {＋／601＊}}$ | L01＇t／990 | 099 ${ }^{\circ}$ | D／ 1 － 1 |
| 699＇E／898＇ | 七ャ8＇$/ 0$ ¢で |  |  |  | こん1＇ $2 / 6 \angle 1^{\circ}$ | こん1＇Z／6Lt＇ |  |  |  |  |  | ャ0ヶ＊ $1 / 601^{\circ}$ |  | S18＇ | 1 |
| เカt＇Z／80¢ | Lع6 L／8しで |  |  |  |  |  |  |  | เع1＇เ／とเト・ |  |  | ZLS8／ ¢80 $^{\circ}$ | 8ع89／／990 | 090＇1 | †／E |
| カレL＇เ／$+6 \chi^{\prime}$ | ャ0 ¢ $1 / \angle 8 \mathrm{~L}^{\circ}$ |  |  |  | 880＇レ／Lヤレ＊ |  |  | 0198／601＊ | เ98 $/ 601^{\circ}$ |  |  | 129／E80 | £8¢ ${ }^{\prime} / \mathrm{S90}$ | 0ャ8 0 | 乙／L |
|  |  |  |  |  | 88\＆${ }^{\prime} / 9 \mathrm{Cl}{ }^{\circ}$ | 88\＆${ }^{\prime} / 8 \mathrm{C}$ ト |  | 9 ¢9 $^{\prime} / 160^{\circ}$ | 9 ${ }^{\text {c9 }}{ }^{\prime} / 160^{\circ}$ |  |  | GEZが／990 | 9 ${ }^{\text {a }}$－ | G $19^{\circ} 0$ | 8／E |
|  |  |  |  |  | เGEG＇／611 | เSES＇／61 ${ }^{\text {－}}$ |  | 8ちで $/ 880^{\circ}$ | 8ヤで「／880 |  |  | L6Zと＇／990 |  | OヶG 0 | 7／L |
|  |  |  |  |  | SャレE＇／960＊ | Sカ18／960 |  | くttて＇／890 | Lもちで／890＊ |  |  | ع981／6ャ0＇ | ย8E1／980＊ | GOtO | 8／1 |
| HXX | $\begin{gathered} 091 \\ \text { peyग्ड } \end{gathered}$ | $\begin{gathered} \text { Otl } \\ \text { peyэs } \end{gathered}$ | $\begin{gathered} \text { 0Z। } \\ \text { рәчэ्ड } \end{gathered}$ | $\begin{gathered} 001 \\ \text { peyכ्ड } \\ \hline \end{gathered}$ | HX | 08 peyos | 09 рәчэ्s | ＇O1S | $\begin{gathered} \text { Ot } \\ \text { pou’s } \\ \hline \end{gathered}$ | $\begin{gathered} 0 \varepsilon \\ \text { рәчэ्s } \end{gathered}$ | 02 | $\begin{gathered} 01 \\ \text { poyos } \end{gathered}$ |  | ＇0＇0 | $\begin{aligned} & \text { əz!S } \\ & \text { əd!d } \end{aligned}$ |

## Pipe Lift Schedule

21' Lengths
Nominal Size Pieces per Lift

| $1 / 8$ | 440 |
| :--- | :--- |
| $1 / 4$ | 240 |
| $3 / 8$ | 180 |
| $1 / 2$ | 120 |
| $3 / 4$ | 84 |
| 1 | 60 |
| $1 / 4$ | 42 |
| $11 / 2$ | 36 |
| 2 | 26 |
| 2 | $1 / 2$ |

