

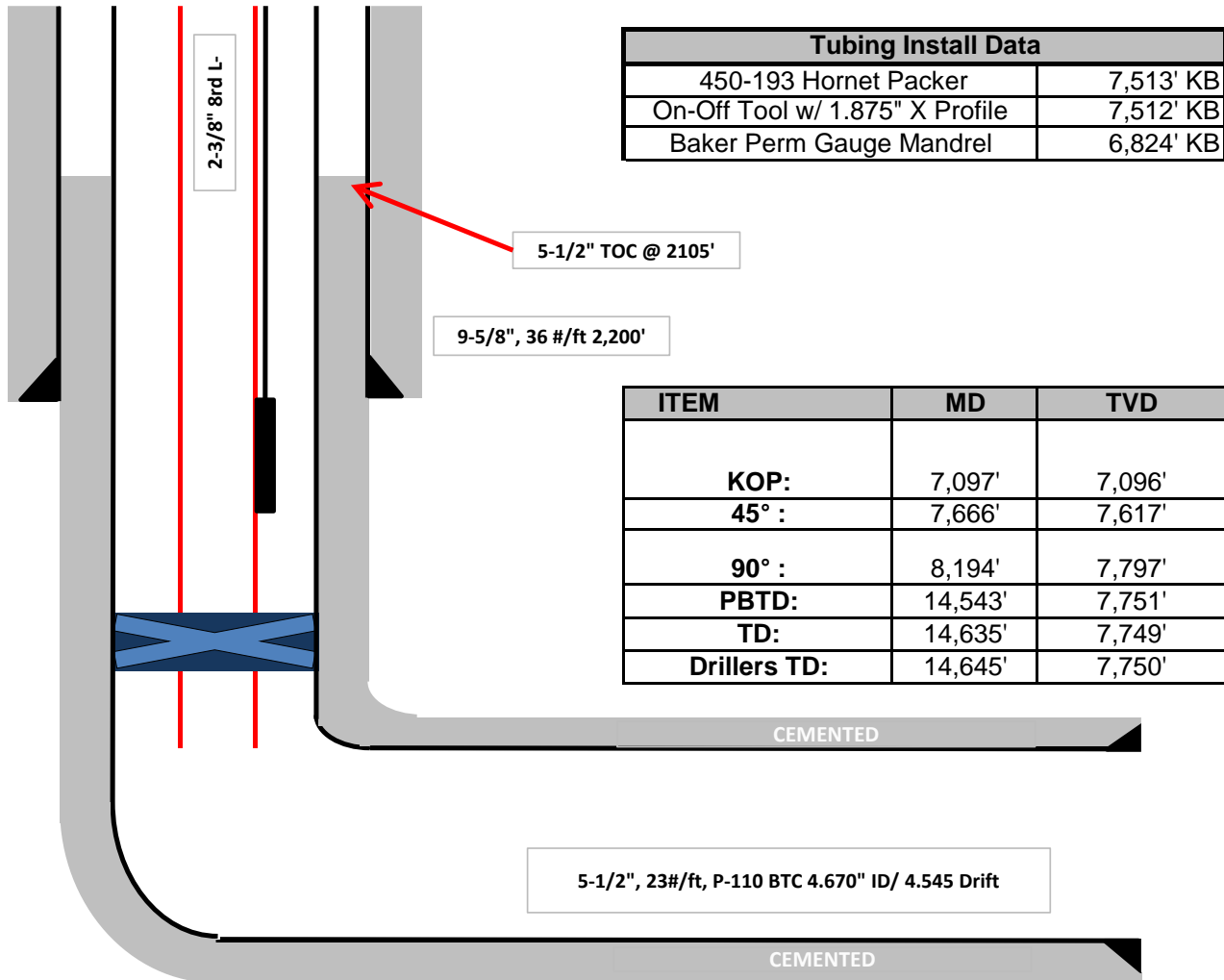
Appendix C1. Actual Tubing

Prosper Farms 4-65 11-12 1H

Niobrara Horizontal

GL: 5,506'

KB: 5,530'



| String | Size | Weight | Grade | Thread | Top | Bottom | TOC |
|------------|--------|--------|-------|---------|-----|--------|------|
| Surface | 9 5/8" | 36" | J-55 | STC | 24 | 2200 | 24 |
| Production | 5 1/2" | 23" | P-110 | BTC | 24 | 14635 | 2105 |
| Tubing | 2 3/8" | 4.7" | L-80 | EUE 8RD | 22 | 7556 | N/A |

| String | Drift (in) | Capacity (BBL/ft) | Burst (psi) | Collapse (psi) | Tension (psi) |
|------------|------------|-------------------|-------------|----------------|---------------|
| Surface | 8.765 | 0.07731 | 3061 | 1924 | 281429 |
| Production | 4.545 | 0.02119 | 10748 | 13848 | 456000 |

Actual Horizontal WBD

Prosper Farms 4-65 11-12 1H

API Number: 0500507223

Niobrara Horizontal

Horizontal Wellbore Schematic

Original Elevation (GL): 5,654'
KB Elevation (KB): 5,678'

| String | Size | Weight | Grade | Thread | Top | Bottom | TOC |
|------------|--------|--------|-------|--------|-----|--------|------|
| Surface | 9 5/8" | 36 | J-55 | STC | 24" | 2200 | 24 |
| Production | 5 1/2" | 23 | P-110 | BTC | 24" | 14635 | 2105 |

| ITEM | MD | TVD |
|--------------|---------|--------|
| KOP: | 7,097' | 7,096' |
| 45° : | 7,666' | 7,617' |
| 90° : | 8,194' | 7,797' |
| PBTD: | 14,543' | 7,751' |
| TD: | 14,635' | 7,749' |
| Drillers TD: | 14,645' | 7,750' |

| Stg 18 | Stg 17 | Stg 16 | Stg 15 | Stg 14 | Stg 13 | Stg 12 | Stg 11 | Stg 10 | Stg 9 | Stg 8 | Stg 7 | Stg 6 |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf |
| Plug @ 11,629' | Plug @ 11,790' | Plug @ 11,967' | Plug @ 12,145' | Plug @ 12,319' | Plug @ 12,496' | Plug @ 12,673' | Plug @ 12,848' | Plug @ 13,023' | Plug @ 13,198' | Plug @ 13,373' | Plug @ 13,548' | Plug @ 13,723' |
| Perf @ 11,608' | Perf @ 11,777' | Perf @ 11,950' | Perf @ 12,130' | Perf @ 12,300' | Perf @ 12,483' | Perf @ 12,658' | Perf @ 12,833' | Perf @ 13,008' | Perf @ 13,183' | Perf @ 13,358' | Perf @ 13,533' | Perf @ 13,708' |
| Perf @ 11,570' | Perf @ 11,746' | Perf @ 11,923' | Perf @ 12,098' | Perf @ 12,273' | Perf @ 12,448' | Perf @ 12,623' | Perf @ 12,798' | Perf @ 12,973' | Perf @ 13,148' | Perf @ 13,323' | Perf @ 13,498' | Perf @ 13,673' |
| Perf @ 11,541' | Perf @ 11,716' | Perf @ 11,892' | Perf @ 12,067' | Perf @ 12,233' | Perf @ 12,409' | Perf @ 12,584' | Perf @ 12,763' | Perf @ 12,938' | Perf @ 13,113' | Perf @ 13,288' | Perf @ 13,463' | Perf @ 13,638' |
| Perf @ 11,503' | Perf @ 11,678' | Perf @ 11,853' | Perf @ 12,028' | Perf @ 12,203' | Perf @ 12,378' | Perf @ 12,553' | Perf @ 12,728' | Perf @ 12,907' | Perf @ 13,073' | Perf @ 13,248' | Perf @ 13,432' | Perf @ 13,603' |
| Perf @ 11,468' | Perf @ 11,643' | Perf @ 11,818' | Perf @ 11,993' | Perf @ 12,168' | Perf @ 12,343' | Perf @ 12,518' | Perf @ 12,693' | Perf @ 12,868' | Perf @ 13,043' | Perf @ 13,218' | Perf @ 13,393' | Perf @ 13,568' |

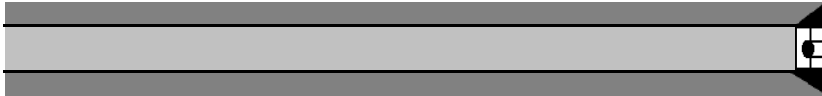
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|--|--|
| | |
| | |
| | |

| Stg 37 | Stg 36 | Stg 35 | Stg 34 | Stg 33 | Stg 32 | Stg 31 | Stg 30 | Stg 29 | Stg 28 | Stg 27 | Stg 26 | Stg 25 |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|
| Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf |
| Plug @ 8,298' | Plug @ 8,473' | Plug @ 8,648' | Plug @ 8,823' | Plug @ 8,998' | Plug @ 9,173' | Plug @ 9,348' | Plug @ 9,523' | Plug @ 9,698' | Plug @ 9,873' | Plug @ 10,048' | Plug @ 10,223' | Plug @ 10,398' |
| Perf @ 8,280' | Perf @ 8,452' | Perf @ 8,626' | Perf @ 8,811' | Perf @ 8,986' | Perf @ 9,153' | Perf @ 9,336' | Perf @ 9,508' | Perf @ 9,683' | Perf @ 9,858' | Perf @ 10,033' | Perf @ 10,208' | Perf @ 10,383' |
| Perf @ 8,248' | Perf @ 8,423' | Perf @ 8,598' | Perf @ 8,773' | Perf @ 8,948' | Perf @ 9,123' | Perf @ 9,298' | Perf @ 9,473' | Perf @ 9,648' | Perf @ 9,823' | Perf @ 9,998' | Perf @ 10,173' | Perf @ 10,348' |
| Perf @ 8,213' | Perf @ 8,388' | Perf @ 8,563' | Perf @ 8,738' | Perf @ 8,913' | Perf @ 9,088' | Perf @ 9,263' | Perf @ 9,438' | Perf @ 9,613' | Perf @ 9,788' | Perf @ 9,963' | Perf @ 10,138' | Perf @ 10,313' |
| Perf @ 8,178' | Perf @ 8,353' | Perf @ 8,528' | Perf @ 8,703' | Perf @ 8,878' | Perf @ 9,053' | Perf @ 9,228' | Perf @ 9,403' | Perf @ 9,578' | Perf @ 9,753' | Perf @ 9,928' | Perf @ 10,103' | Perf @ 10,278' |
| Perf @ 8,143' | Perf @ 8,318' | Perf @ 8,493' | Perf @ 8,668' | Perf @ 8,843' | Perf @ 9,018' | Perf @ 9,193' | Perf @ 9,368' | Perf @ 9,541' | Perf @ 9,716' | Perf @ 9,898' | Perf @ 10,072' | Perf @ 10,248' |

Actual Horizontal WBD

| Stg 5 | Stg 4 | Stg 3 | Stg 2 | Stg 1 |
|----------------|----------------|----------------|----------------|----------------|
| Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf |
| Plug @ 13,914' | Plug @ 14,072' | Plug @ 14,243' | Plug @ 14,423' | -- |
| Perf @ 13,899' | Perf @ 14,058' | Perf @ 14,230' | Perf @ 14,408' | Perf @ 14,513' |
| Perf @ 13,864' | Perf @ 14,023' | Perf @ 14,198' | Perf @ 14,373' | Perf @ 14,478' |
| Perf @ 13,829' | Perf @ 13,986' | Perf @ 14,159' | Perf @ 14,338' | Perf @ 14,443' |
| Perf @ 13,786' | Perf @ 13,956' | Perf @ 14,128' | Perf @ 14,303' | |
| Perf @ 13,459' | Perf @ 13,918' | Perf @ 14,093' | Perf @ 14,268' | |

5-1/2" Shoe
PBD: 14543'



TD: 14645'

| Stg 24 | Stg 23 | Stg 22 | Stg 21 | Stg 20 | Stg 19 |
|----------------|----------------|----------------|----------------|----------------|----------------|
| Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf | Plug & Perf |
| Plug @ 10,573' | Plug @ 10,748' | Plug @ 10,923' | Plug @ 11,094' | Plug @ 11,273' | Plug @ 11,454' |
| Perf @ 10,558' | Perf @ 10,733' | Perf @ 10,908' | Perf @ 10,079' | Perf @ 11,258' | Perf @ 11,433' |
| Perf @ 10,523' | Perf @ 10,698' | Perf @ 10,873' | Perf @ 11,048' | Perf @ 11,223' | Perf @ 11,396' |
| Perf @ 10,488' | Perf @ 10,663' | Perf @ 10,838' | Perf @ 11,008' | Perf @ 11,191' | Perf @ 11,366' |
| Perf @ 10,450' | Perf @ 10,632' | Perf @ 10,806' | Perf @ 10,978' | Perf @ 11,153' | Perf @ 11,328' |
| Perf @ 10,420' | Perf @ 10,593' | Perf @ 10,768' | Perf @ 10,943' | Perf @ 11,118' | Perf @ 11,293' |