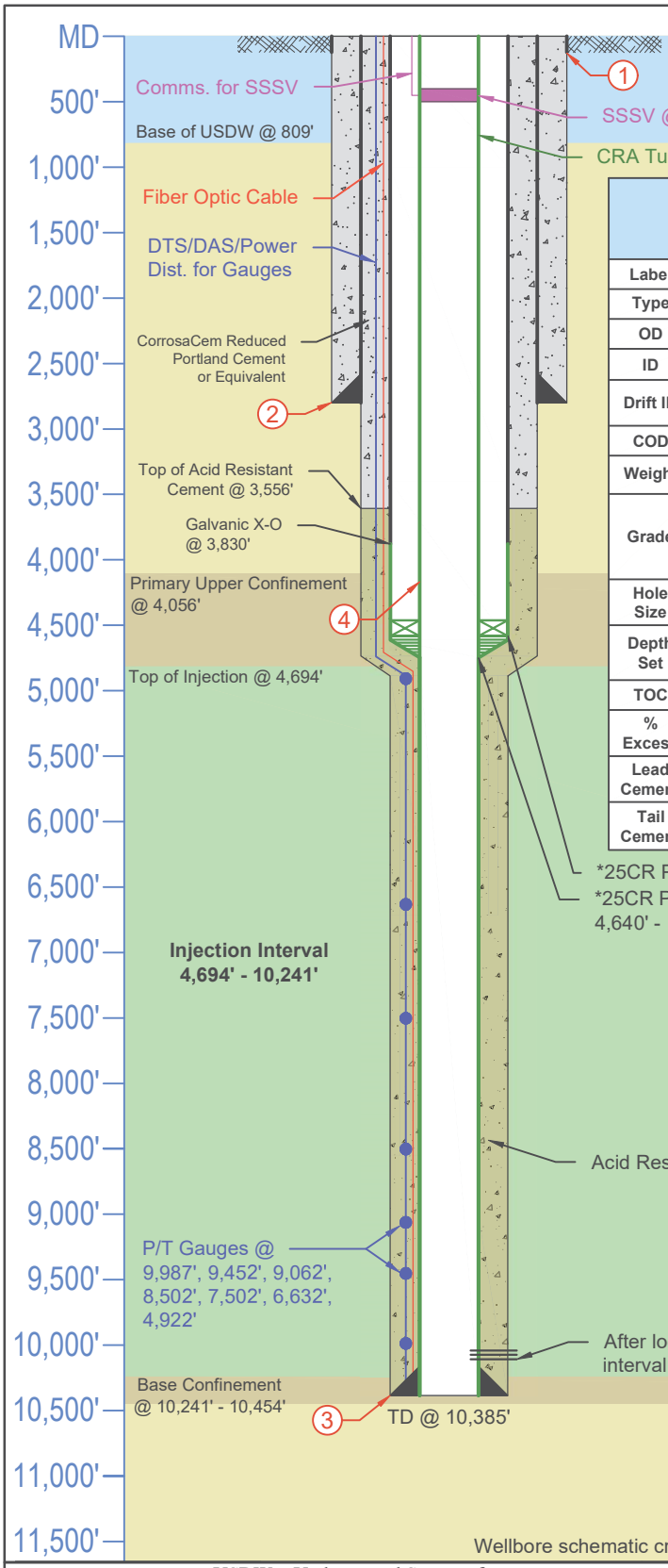


## Casing/Tubing Information

| Label | 1 | 2 | 3 | | | 4 |
|---|---|---|---|---|---|---|
| Type | Conductor | Surface | Production | | | Tubing |
| OD | 20" | 13-3/8" | 9-5/8" | 9-5/8" | 7" | 7" |
| ID | 18.75" | 12.415" | 8.681" | 8.681" | 6.184" | 6.184 |
| Drift ID | NA | 12.259" | 8.525" | 8.525" | 6.059" | 6.059" |
| COD | NA | 14.375" | 10.396" | 9.777" | 7.644" | 7.644" |
| Weight | 129.33 lb/ft | 68 lb/ft | 47 lb/ft | 47 lb/ft | 29 lb/ft | 29 lb/ft |
| Grade | X-42 Welded | J-55 BTC | L-80 †VAM TOP | *25CR, 80ksi †VAM SLIJ-II | *25CR, 110 ksi †VAM TOP | *25CR, 110 ksi †VAM TOP |
| Hole Size | NA | 17-1/2" | 12-1/4" | 12-1/4" | 10-3/4" | 8.681" |
| Depth Set | Refusal | 2,800' | Top: 0' Bottom: 3,830' | Top: 3,830' Bottom: 4,640' | Top: 4,640' Bottom: 10,385' | Top: 0' Bottom: 4,620' |
| TOC | NA | Surface | Surface | Surface | Surface | NA |
| % Excess | NA | 100% | Caliper + 25% | Caliper + 25% | Caliper + 25% | NA |
| Lead Cement | NA | 1.6 cu.ft/sk 465 sacks | 1.6 cu.ft/sk 777 sacks | NA | NA | NA |
| Tail Cement | NA | 1.03 cu.ft/sk 2,995 sacks | 1.13 cu.ft/sk 95 sacks | 1.13 cu.ft/sk 281 sacks | 1.13 cu.ft/sk 2,313 sacks | NA |

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PROFESSIONAL ENGINEER

**†Or Equivalent Premium Connection**
***25CR or Other Acid Resistant Grade as Supported by Testing and in Consultation w/ Louisiana Department of Conservation and Energy**

Wellbore schematic created by Lonquist Sequestration LLC

## Explanation

TD = Total Depth
PBR = Polished Bore Receptacle
DV = Dart Valve
X-O = Crossover
25Cr = 25-Chromium
Dist. = Distrubution

USDW = Underground Source of Drinking Water
CRA = Corrosion-Resistant Alloy
$CO_2$ = Carbon Dioxide
SSSV = Sub-surface Safety Valve
P/T = Pressure & Temperature
DTS = Distributed Temperature Sensing
DAS = Distributed Acoustic Sensing
BTC = Buttress thread coupling
MD = Measured Depth

ksi = kilopound per square inch
lb = pound
ft = feet
‘ = feet
“ = inches
% = percent
cu.ft/sk = cubic feet of cement volume per sack

Notes:
1. Projected formation and perforation depths are site specific to account for formation dip.
2. All depths are MD from rig floor using 37’ KBD.

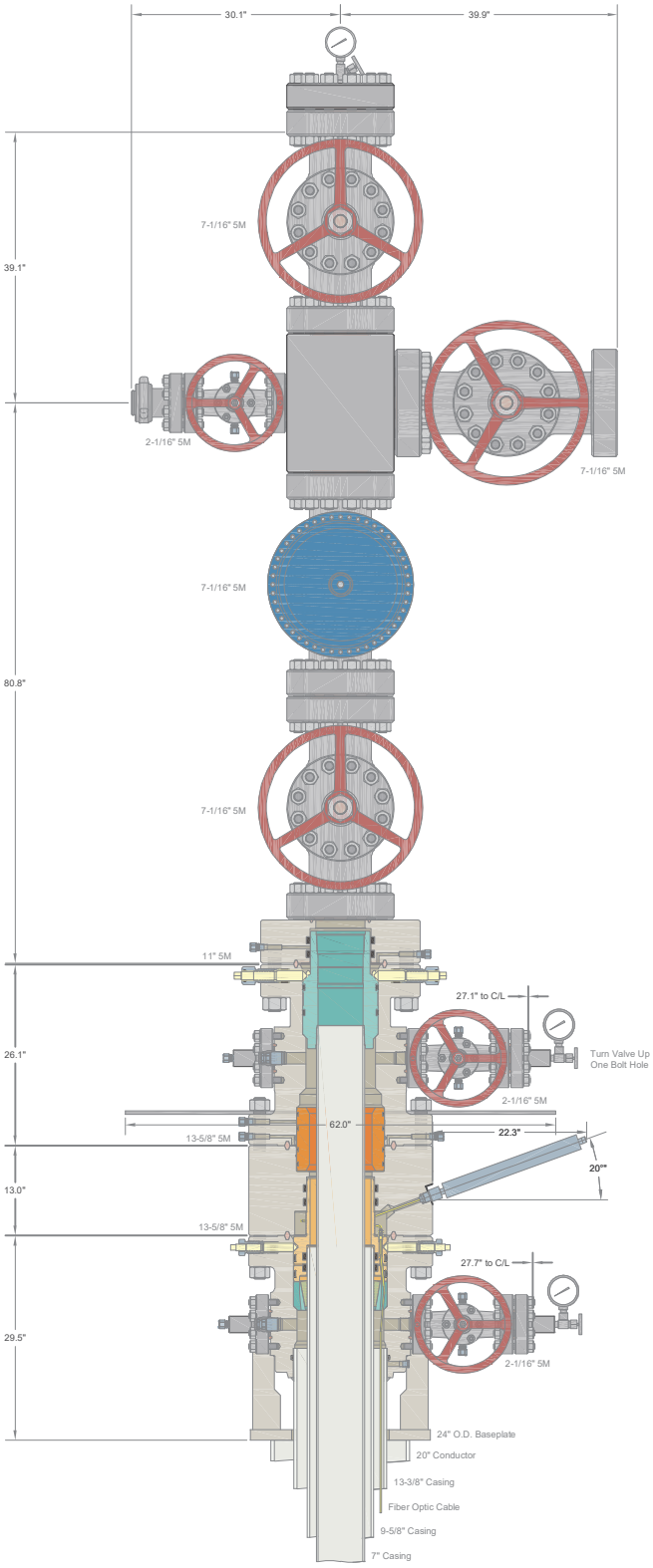
# Proposed $CO_2$ Injection Well Design - RPN-1-INJ

Ascension Parish
Louisiana

RIVER PARISH

**Figure 2-1**

RPS Project | October 2025

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Louisiana Firm No. EF7423

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FROM LAET1

ALL DIMENSIONS APPROXIMATE

## Explanation

20" x 13-3/8" x 9-5/8" x 7" Conventional Wellhead Assembly
With 11" 5M x 7-1/16" 5M DBLHPS Tubing Head Adapter
And 11" x 7" CTH-SN Tubing Hanger

# Wellhead Schematic RPN-1-INJ

Ascension Parish
Louisiana

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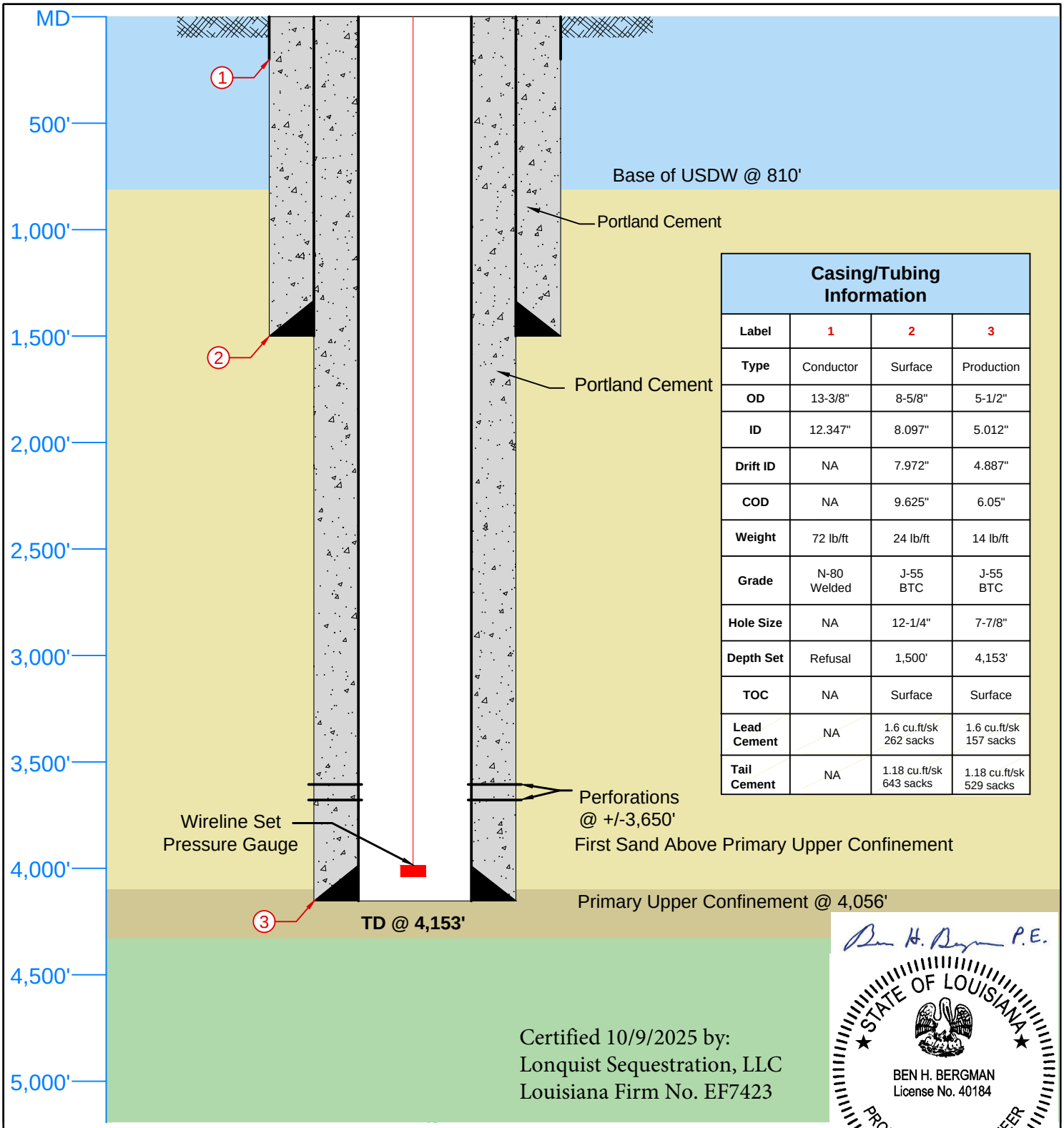
**Figure 2-2**

RPS Project | October 2025




**Casing/Tubing Information**

| Label | 1 | 2 | 3 |
|---|---|---|---|
| Type | Conductor | Surface | Production |
| OD | 13-3/8" | 8-5/8" | 5-1/2" |
| ID | 12.347" | 8.097" | 5.012" |
| Drift ID | NA | 7.972" | 4.887" |
| COD | NA | 9.625" | 6.05" |
| Weight | 72 lb/ft | 24 lb/ft | 14 lb/ft |
| Grade | N-80 Welded | J-55 BTC | J-55 BTC |
| Hole Size | NA | 12-1/4" | 7-7/8" |
| Depth Set | Refusal | 1,500' | 4,153' |
| TOC | NA | Surface | Surface |
| Lead Cement | NA | 1.6 cu.ft/sk 262 sacks | 1.6 cu.ft/sk 157 sacks |
| Tail Cement | NA | 1.18 cu.ft/sk 643 sacks | 1.18 cu.ft/sk 529 sacks |

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STATE OF LOUISIANA
BEN H. BERGMAN
License No. 40184
PROFESSIONAL ENGINEER

Wellbore schematic created by Lonquist Sequestration LLC

## Explanation

TD = Total Depth
lb = pound
ft = feet
‘ = feet
“ = inches
AZ = above zone
USDW = Underground Source of Drinking Water
BTC = Buttress thread coupling
% = percent
MD = Measured Depth
cu.ft/sk = cubic feet of cement volume per sack

Notes:
1. Projected formation and perforation depths are site specific to account for formation dip.
2. All depths are MD from rig floor using 37’ KBD.

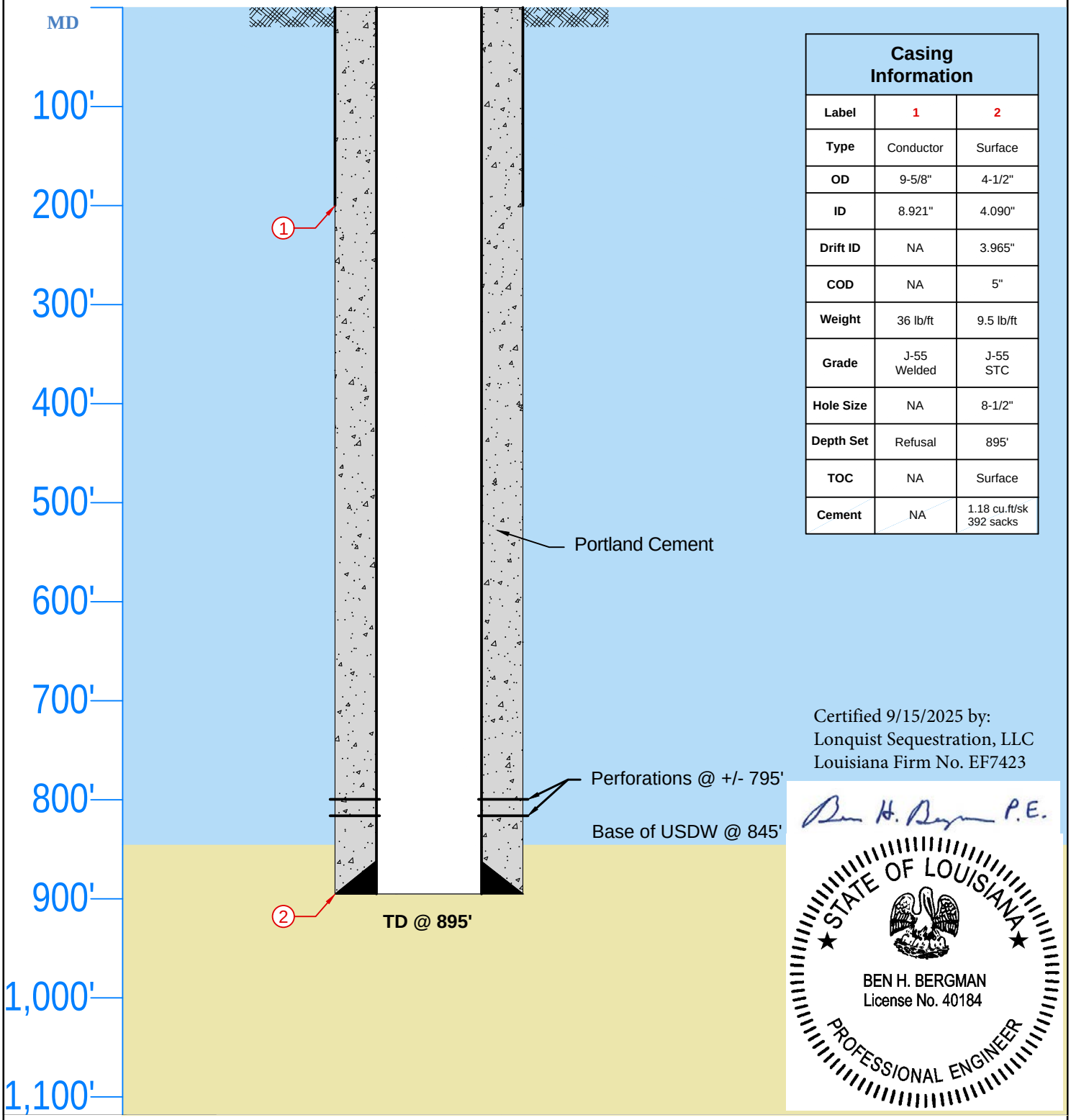
# Proposed Monitoring Well Design - RPN-1-AZ

Ascension Parish
Louisiana

RIVER PARISH

**Figure 3-1**

RPS Project | October 2025




| Casing Information | | |
|---|---|---|
| Label | 1 | 2 |
| Type | Conductor | Surface |
| OD | 9-5/8" | 4-1/2" |
| ID | 8.921" | 4.090" |
| Drift ID | NA | 3.965" |
| COD | NA | 5" |
| Weight | 36 lb/ft | 9.5 lb/ft |
| Grade | J-55 Welded | J-55 STC |
| Hole Size | NA | 8-1/2" |
| Depth Set | Refusal | 895' |
| TOC | NA | Surface |
| Cement | NA | 1.18 cu.ft/sk 392 sacks |

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PROFESSIONAL ENGINEER

Wellbore schematic created by Lonquist Sequestration LLC

## Explanation

TD = Total Depth
lb = pound
ft = feet
‘ = feet
“ = inches
USDW = Underground Source of Drinking Water
STC = Short thread casing
% = percent
WS1 = ground water monitoring well 1
MD = Measured Depth
cu.ft/sk = cubic feet of cement volume per sack

Notes:
1. Projected formation and perforation depths are site specific to account for formation dip.
2. All depths are MD from rig floor using 35’ KBD.
3. Total depth measurements may change based on base of USDW during drilling.

# Proposed Monitoring Well Design - RPN-1-WS1

Ascension Parish
Louisiana

RIVER PARISH

**Figure 4-1**

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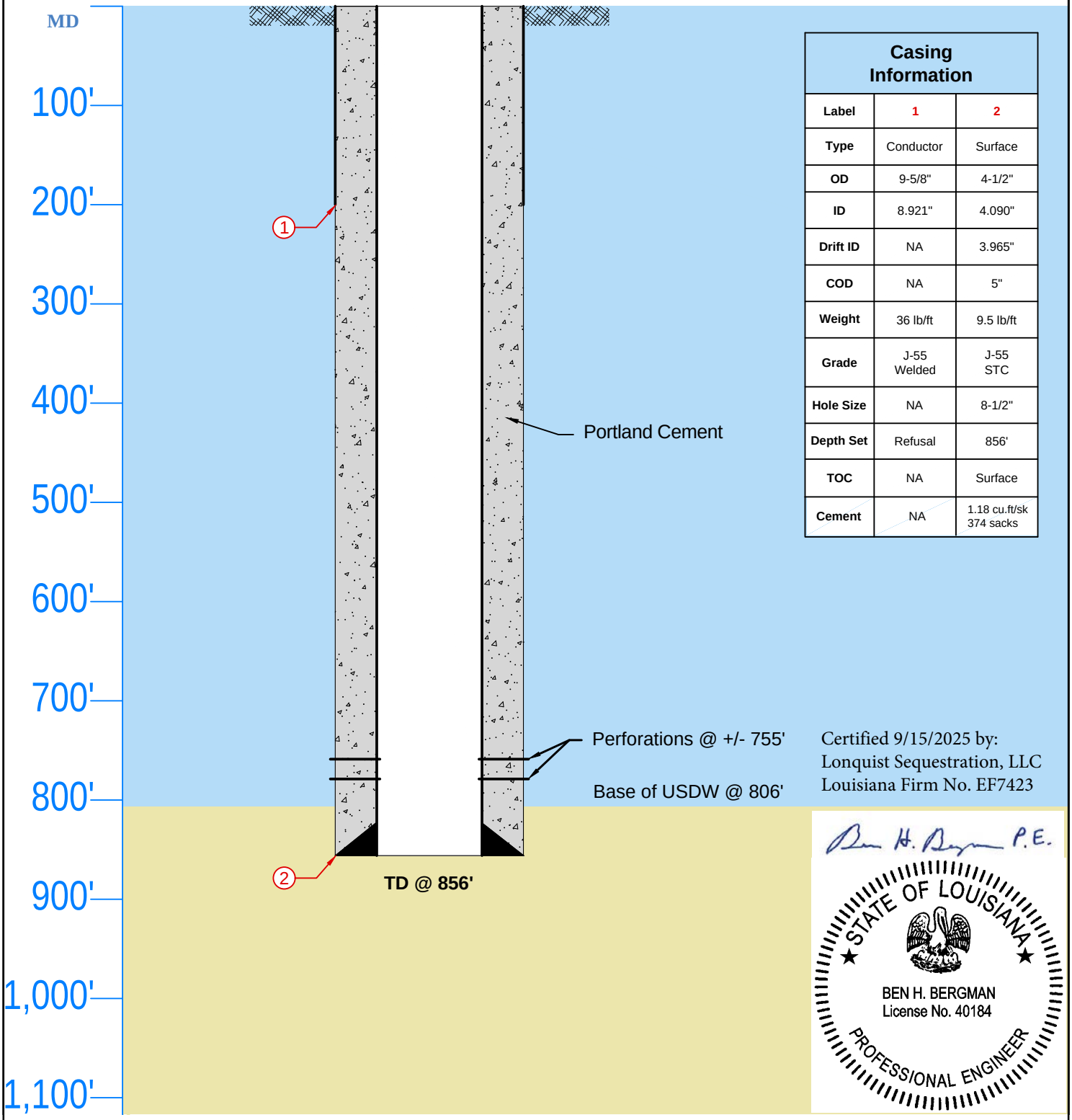


| Casing Information | | |
|---|---|---|
| Label | 1 | 2 |
| Type | Conductor | Surface |
| OD | 9-5/8" | 4-1/2" |
| ID | 8.921" | 4.090" |
| Drift ID | NA | 3.965" |
| COD | NA | 5" |
| Weight | 36 lb/ft | 9.5 lb/ft |
| Grade | J-55 Welded | J-55 STC |
| Hole Size | NA | 8-1/2" |
| Depth Set | Refusal | 856' |
| TOC | NA | Surface |
| Cement | NA | 1.18 cu.ft/sk 374 sacks |

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Wellbore schematic created by Lonquist Sequestration LLC

## Explanation

TD = Total Depth
lb = pound
ft = feet
‘ = feet
“ = inches
USDW = Underground Source of Drinking Water
STC = Short thread casing
% = percent
WS2 = ground water monitoring well 2
MD = Measured Depth
cu.ft/sk = cubic feet of cement volume per sack

Notes:
1. Projected formation and perforation depths are site specific to account for formation dip.
2. All depths are MD from rig floor using 35’ KBD.
3. Total depth measurements may change based on base of USDW during drilling.

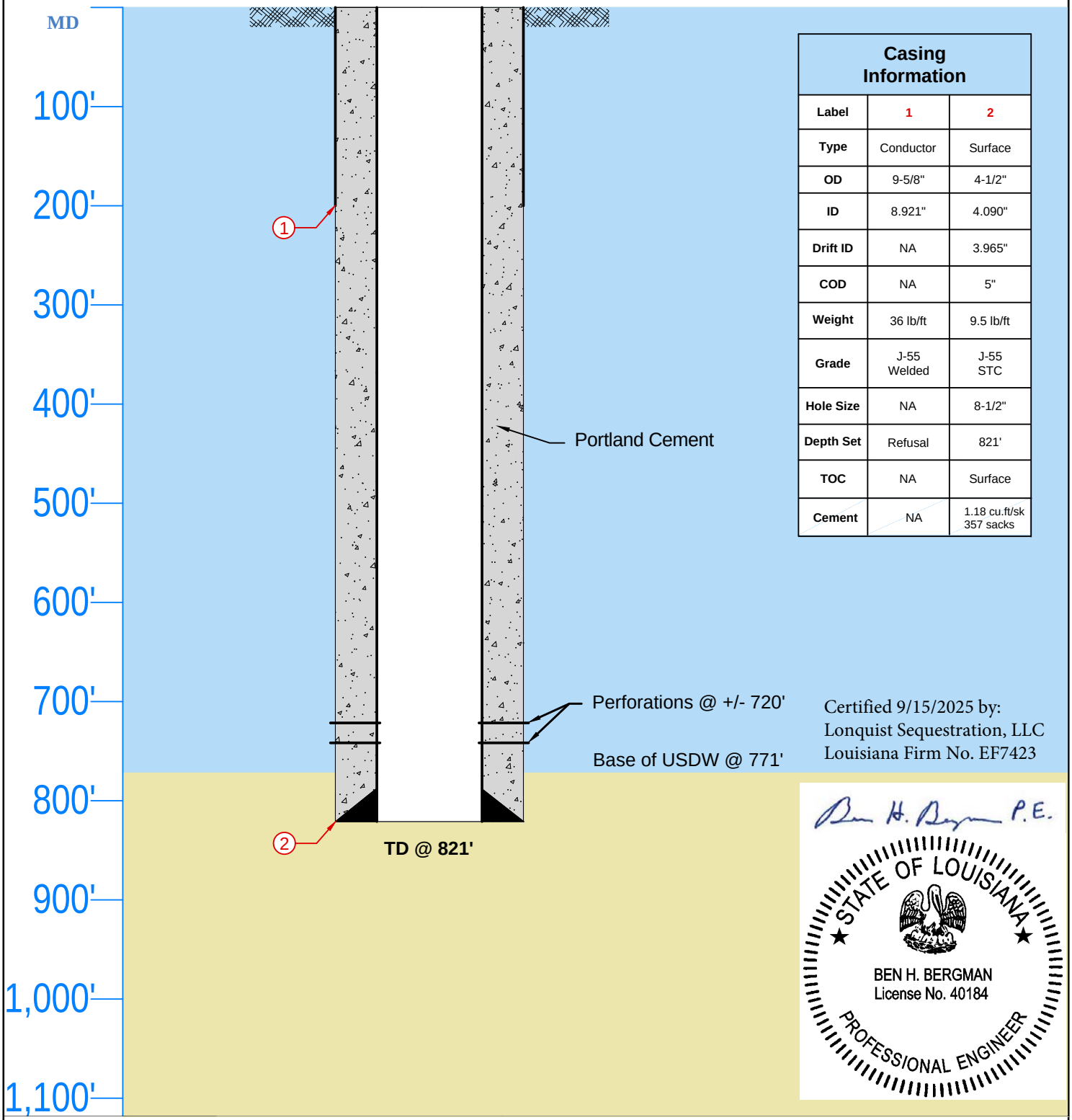
# Proposed Monitoring Well Design - RPN-1-WS2

Ascension Parish
Louisiana

RIVER PARISH

**Figure 5-1**

RPS Project | September 2025




| Casing Information | | |
|---|---|---|
| Label | 1 | 2 |
| Type | Conductor | Surface |
| OD | 9-5/8" | 4-1/2" |
| ID | 8.921" | 4.090" |
| Drift ID | NA | 3.965" |
| COD | NA | 5" |
| Weight | 36 lb/ft | 9.5 lb/ft |
| Grade | J-55 Welded | J-55 STC |
| Hole Size | NA | 8-1/2" |
| Depth Set | Refusal | 821' |
| TOC | NA | Surface |
| Cement | NA | 1.18 cu.ft/sk 357 sacks |

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Wellbore schematic created by Lonquist Sequestration LLC

## Explanation

TD = Total Depth
lb = pound
ft = feet
‘ = feet
“ = inches
USDW = Underground Source of Drinking Water
STC = Short thread casing
% = percent
WS3 = ground water monitoring well 3
MD = Measured Depth
cu.ft/sk = cubic feet of cement volume per sack

Notes:
1. Projected formation and perforation depths are site specific to account for formation dip.
2. All depths are MD from rig floor using 35’ KBD.
3. Total depth measurements may change based on base of USDW during drilling.

# Proposed Monitoring Well Design - RPN-1-WS3

Ascension Parish
Louisiana

RIVER PARISH

RPS Project | September 2025

**Figure 6-1**