



JOB DATA & CALL SHEET

Ticket Number: FL1164

Stage4

| | | | |
|---|-----|-------|------------|
| + | 0.3 | lb/sk | Celloflake |
|---|-----|-------|------------|

| | | | | | | | | | | |
|------|------|----------|-------------------------|----|------|-----|------|---------|------|--------|
| Tail | 1635 | sacks of | 100% 35:65:0(POZ:G:GEL) | at | 13.5 | ppg | 1.49 | ft^3/sk | 7.46 | gal/sk |
| + | 0.3 | % | ASM-3 | | | | | | | |
| + | 0.5 | % | FL-17 | | | | | | | |
| + | 0.2 | % | C-49 | | | | | | | |
| + | 0.1 | % | C-20 | | | | | | | |
| + | 0.3 | lb/sk | Celloflake | | | | | | | |

HAZARDS

PPE is your last line of defense
Call Titan when on displacement to vac & collect (970) 515-2101
Winter Weather Operations

SPECIAL INSTRUCTIONS OR MATERIALS

5 gals WS-30
100# SAPP
5 gal SCC-5L
150# Suagr

DIRECTIONS TO WELL

HWY 14 E to CR 129 N to CR 116 E to CR 133 S, 3/4 mi, E into



Job Summary

| | |
|---------------|-------------|
| Ticket Number | Ticket Date |
| TN# FL1164 | 10/14/2016 |

| | | |
|-----------------------|-------------------------|--------------|
| COUNTY | COMPANY | CUSTOMER REP |
| Weld | Whiting Petroleum Corp. | Kyle Renton |
| WELL NAME | RIG | JOB TYPE |
| Horsetail 30E - 1903 | Unit Drilling 406 | Production |
| SURFACE WELL LOCATION | O-TEX Field Supervisor | |
| NW SW Sec30:R10N:T57W | Doran, Ben | |
| EMPLOYEES | | |
| | Heller, Brian | |
| Scott, Derek | | |
| | Russell, Nick | |

WELL PROFILE

| | |
|---|--------------------------------------|
| Max Treating Pressure (psi): | Bottom Hole Static Temperature (°F): |
| Bottom Hole Circulating Temperature (°F): | Well Type: Oil |

Open Hole

| | | | | | |
|---|-----------|---------------|-------------|---------------|-------------|
| 1 | Size (in) | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| | 8.5 | 2068 | 13840 | | |
| 2 | Size (in) | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| | | | | | |

Casing/Tubing/Drill Pipe

| | | | | | | | |
|------------|-----------|----------------|-------|---------------|-------------|---------------|-------------|
| Type | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| Surface | 9.625 | 36 | J-55 | 0 | 2068 | | |
| Type | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| Production | 5.5 | 20 | P-110 | 0 | 13830 | | |
| Type | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| | | | | | | | |

CEMENT DATA

| | | | | |
|-----------------|---|---------------|-----------------------------|------------|
| Stage 1: | From Depth (ft): | 0 | To Depth (ft): | 0.00 |
| Type: Scavenger | Volume (sacks): | 105 | Volume (bbls) | 50 |
| Cement: | 100% 50:50:0(POZ:Type III:GEL) | Density (ppg) | Yield (ft ³ /sk) | Water Req. |
| Additives: | 0.3% ASM-3 + 0.5% FL-17 + 22 FWC-2 + 0.1% C-20 + 0.25lb/sk Celloflake | 11 | 2.71 | 16.33 |
| Stage 2: | From Depth (ft): | 0 | To Depth (ft): | 1660.80 |
| Type: Lead 1 | Volume (sacks): | 305 | Volume (bbls) | 107 |
| Cement: | 100% 50:50:0(POZ:Type III:GEL) | Density (ppg) | Yield (ft ³ /sk) | Water Req. |
| Additives: | 0.3% ASM-3 + 0.5% FL-17 + 2% FWC-2 + 0.1% C-20 + 0.1% C-20 + 0.25lb/sk Celloflake | 12 | 1.97 | 10.8 |
| Stage 3: | From Depth (ft): | 1660.8 | To Depth (ft): | 4810.80 |
| Type: Lead 2 | Volume (sacks): | 375 | Volume (bbls) | 131.6 |
| Cement: | 100% 50:50:0(POZ:Type III:GEL) | Density (ppg) | Yield (ft ³ /sk) | Water Req. |
| Additives: | 0.3% ASM-3 + 0.5% FL-17 + 2% FWC-2 + 0.1% C-20 + 0.2% C-49 + 0.25lb/sk Celloflake | 12 | 1.97 | 10.82 |
| Stage 4: | From Depth (ft): | 4810.8 | To Depth (ft): | 13840.00 |
| Type: Tail | Volume (sacks): | 1635 | Volume (bbls) | 432.5 |
| Cement: | 100% 35:65:0(POZ:G:GEL) | Density (ppg) | Yield (ft ³ /sk) | Water Req. |
| Additives: | 0.3% ASM-3 + 0.5% FL-17 + 0.2% C-49 + 0.1% C-20 + 0.25lb/sk Celloflake | 13.5 | 1.49 | 7.46 |

SUMMARY

| | | | |
|-------------------------------------|------------------------|--------------------------------|-----------------------------|
| Preflushes: | 30 bbls of Mudflush | Calculated Displacement (bbl): | 306 |
| | 30 bbls of Visweep | Actual Displacement (bbl) | |
| | 10 bbls of Fresh Water | Plug Bump (Y/N): | y Bump Pressure (psi): 2700 |
| Total Preflush/Spacer Volume (bbl): | 70 | Lost Returns (Y/N): | n (if Y, when) |
| Total Slurry Volume (bbl): | 721.1 | | |
| Total Fluid Pumped | 791.1 | | |
| Returns to Surface: | Cement 65 bbls | | |

Thank You For Using

O - TEX Pumping

Customer Representative Signature:

[illegible]

Otex Pumping LLC.

Client Whiting
Ticket No. 1164
Location NWSW SEC30 T10N R57W
Comments

Client Rep Kyle
Well Name Horsetail 30E-1903
Job Type Production Casing

Supervisor Ben Doran
Unit No. 445070
Service District Fort Lupton
Job Date 10/15/2016

