|  |  |  |  |
| --- | --- | --- | --- |
| **Well Information** | | **Casing Data** | |
| **Well name** | `{{well\_name}}` | **Casing Description** | `{{casing\_description}}` |
| **Well Type** | `{{well\_type}}` | **Casing ID (in)** | `{{casing\_id}}` |
| **Field Name** | `{{field\_name}}` | **Casing Drift (in)** | `{{casing\_drift}}` |
| **Total Depth (m) MDRT** | `{{total\_depth}}` | **Casing Length (m)** | `{{casing\_length}}` |
| **Maximum deviation (deg)** | `{{maximum\_deviation}}` | **Reservoir Information** | |
| **Max DLS (deg/30m)** | `{{max\_dls}}` | **Reservoir Temperature (deg C)** | `{{reservoir\_temp}}` |
| **Casing Shoe (m)**  **MDRT** | `{{casing\_shoe}}` | **Reservoir Pressure (psi)** | `{{Reservior\_pressure}}` |
| **Open Hole Size (in)** | `{{open\_hole\_size}}` | **Zones MD (m)** | `{{zones\_md}}` |
| **Open Hole Interval (m)** | `{{open\_hole\_interval}}` |
| **Rig name** | `{{rig\_name}}` |
| **Rotary Table – Ground level elevation (m)** | `{{rotary\_table\_ground}}` |
| **Tubing data** | |
| **Lower Completion** | |
| **Tubing Description** | `{{tubing\_description}}` |
| **Tubing ID (in)** | `{{tubing\_id}}` |
| **Tubing Drift (in)** | `{{tubing\_drift}}` |

|  |
| --- |
| `{{pdf1\_images}}` |

This report describes `{{installation\_type}}`installation with `{{screen\_type}}` on `{{well\_name}}` Oil producer well.

* 1. JOB OBJECTIVES

The main objectives of `{{well\_name}}` were the following:

* Conduct all operations safely and efficiently without service and delivery concerns, accidents, or incidents.
* Run and install lower completion in the `{{open\_hole\_size}}` drilled Open Hole with a washdown system, swell packers, wire wrap screens `{{screen\_size}}`, blank pipe, Quantum Packer with MFIV and deploy to TD using `{{drill\_pipe}}` work string.
* Set and test the packer.
* Displace the `{{casing\_size}}` above the MFIV to `{{completion\_fluid}}` Densitypacker fluid.
* Suspend well with kill string.
  1. HSE OBJECTIVES

The HSE objectives for the well were to perform all operations without incidents, injury, or environmental issues. Taking into consideration the safety of the workers as the foremost goal in conducting operations, specific safety-related issues are highlighted as follow:

* Operate within design or environmental limits.
* Follow safe work practices and procedures.
* Ensure HARC/ JSA is in place during the entire job and plan job accordingly.
* Comply with all applicable rules and regulations.
* Ensure that the job is conducted safely and promptly.

|  |
| --- |
| `{{Sheet1}}` |

JBR04-P04 | | | | | | | | | |   
PREPARED BY | | CPL | QTM PKR | =G71 | QTM PACKER M/ELMT | =E2+0.515 | CASING COLLAR (m) | 701.21 - 712.65 | |   
DATE | | 22/05/2024 | | | | | | | |   
CLIENT | | TOTALENERGIES | CASING SHOE | 758.69 | FLOAT SHOE | =F12 | RAT HOLE | =C7-F12 | |   
FIELD / WELL NAME | | JOBI RII / JBRO4-P04 | | | | | | | |   
RIG TYPE / NAME | | LAND / ZPEB 1501 | TUBULAR DATA : | | | | | | |   
TOTAL DEPTH | | 1550 | 2-3/8 4.6# TSH W511 MAKEUP LOSS (m) | 0.057658 | TORQUE (FT.LB) | 550 | 700 | 1000 | |   
DEVIATION | | 90.48o @ 1300.99m | 4-1/2" 12.6# HSM2 MAKEUP LOSS (m) | 0.8184 | TORQUE (FT.LB) | 4200 | 4650 | 5090 | |   
DLS | | 7.45°/30 m @ 252.97m | | | TORQUE (FT.LB) | | | | |   
 | | | Note: All depths are with reference from Rotary Table | | | | | | |   
ASSY # | ITEM | DESCRIPTION | LENGTH (m) w/o MUL (0.0818) | CUM LENGTH (m) | BOTTOM  
DEPTH (m) | TOP  
DEPTH (m) | COMMENTS | | |   
1 | WASHDOWN ASSEMBLY | SINGLE VALVE WASH DOWN SHOE, with 2F-3R, Plunger F type DPFV, Cast iron 4.5 12.6# HSM2 BOX 4140(80) | 0.63 | =D12 | =G12+D12 | =F13 | TD @ | =C7 | |   
 | | PUP JOINT , 4.5 12.6 # HSM2-PREMIUM | 2.985 | =E12+D13 | =G13+D13 | =F14 | | | |   
 | | PBR.2.688 BORE ID, 4FT OAL 4.5 12.6 HSM2-PREMIUM,BOX X PIN 4140(80), | 1.15 | =E13+D14 | =G14+D14 | =F15 | top of PBR | =G14+0.168 | |   
 | | PUP JOINT , 4.5 12.6 # HSM2-PREMIUM | 1.494 | =E14+D15 | =G15+D15 | =F16 | | | |   
2 | Screen 1 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.629161 | =E15+D16 | =G16+D16 | =F17 | | | |   
3 | Screen 2 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.796161 | =E16+D17 | =G17+D17 | =F18 | | | |   
4 | Screen 3 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.778160999999999 | =E17+D18 | =G18+D18 | =F19 | | | |   
5 | Screen 4 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.801160999999999 | =E18+D19 | =G19+D19 | =F20 | | | |   
6 | Screen 5 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.801160999999999 | =E19+D20 | =G20+D20 | =F21 | | | |   
7 | Screen 6 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.812161 | =E20+D21 | =G21+D21 | =F22 | | | |   
8 | Screen 7 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.723161 | =E21+D22 | =G22+D22 | =F23 | | | |   
9 | Screen 8 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.589160999999999 | =E22+D23 | =G23+D23 | =F24 | | | |   
10 | Screen 9 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.800161 | =E23+D24 | =G24+D24 | =F25 | | | |   
11 | Screen 10 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.805161 | =E24+D25 | =G25+D25 | =F26 | | | |   
12 | Screen 11 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.822161 | =E25+D26 | =G26+D26 | =F27 | | | |   
13 | Screen 12 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.821161 | =E26+D27 | =G27+D27 | =F28 | | | |   
14 | Screen 13 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.648161 | =E27+D28 | =G28+D28 | =F29 | | | |   
15 | Screen 14 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.585161 | =E28+D29 | =G29+D29 | =F30 | | | |   
16 | Screen 15 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.736161 | =E29+D30 | =G30+D30 | =F31 | | | |   
17 | Screen 16 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.817160999999999 | =E30+D31 | =G31+D31 | =F32 | | | |   
18 | Screen 17 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.808161 | =E31+D32 | =G32+D32 | =F33 | | | |   
19 | Screen 18 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.800161 | =E32+D33 | =G33+D33 | =F34 | | | |   
20 | Screen 19 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.819161 | =E33+D34 | =G34+D34 | =F35 | | | |   
21 | Screen 20 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.810160999999999 | =E34+D35 | =G35+D35 | =F36 | | | |   
22 | Screen 21 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.817160999999999 | =E35+D36 | =G36+D36 | =F37 | | | |   
23 | Screen 22 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.798161 | =E36+D37 | =G37+D37 | =F38 | | | |   
24 | Screen 23 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.544160999999999 | =E37+D38 | =G38+D38 | =F39 | | | |   
25 | Screen 24 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.806161 | =E38+D39 | =G39+D39 | =F40 | Shale Interval 1050m - 1085m MD Blanks 1048.758 - 1089.813 mMD RT | | |   
26 | Screen 25 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.798161 | =E39+D40 | =G40+D40 | =F41 | Shale Interval 1050m - 1085m MD Blanks 1048.758 - 1089.813 mMD RT | | |   
27 | Screen 26 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.806161 | =E40+D41 | =G41+D41 | =F42 | Shale Interval 1050m - 1085m MD Blanks 1048.758 - 1089.813 mMD RT | | |   
28 | Screen 27 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.783161 | =E41+D42 | =G42+D42 | =F43 | | | |   
29 | Screen 28 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.568161 | =E42+D43 | =G43+D43 | =F44 | | | |   
30 | Screen 29 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.816161 | =E43+D44 | =G44+D44 | =F45 | | | |   
31 | Screen 30 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.798161 | =E44+D45 | =G45+D45 | =F46 | | | |   
32 | Screen 31 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.765160999999999 | =E45+D46 | =G46+D46 | =F47 | | | |   
33 | Screen 32 | SCREEN 4-1/2" 12.6# HSM2 BOX x PIN | 11.804160999999999 | =E46+D47 | =G47+D47 | =F48 | | | |   
34 | Screen 33 | SCREEN W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.514161 | =E47+D48 | =G48+D48 | =F49 | | | |   
35 | Blank pipe 1 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.806161 | =E48+D49 | =G49+D49 | =F50 | | | |   
36 | Blank pipe 2 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.809161 | =E49+D50 | =G50+D50 | =F51 | | | |   
37 | Blank pipe 3 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.814161 | =E50+D51 | =G51+D51 | =F52 | | | |   
38 | Blank pipe 4 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.807160999999999 | =E51+D52 | =G52+D52 | =F53 | | | |   
39 | Blank pipe 5 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.804160999999999 | =E52+D53 | =G53+D53 | =F54 | | | |   
40 | Blank pipe 6 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.818161 | =E53+D54 | =G54+D54 | =F55 | | | |   
41 | Blank pipe 7 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.807160999999999 | =E54+D55 | =G55+D55 | =F56 | | | |   
42 | Blank pipe 8 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.692160999999999 | =E55+D56 | =G56+D56 | =F57 | | | |   
43 | Blank pipe 9 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.808161 | =E56+D57 | =G57+D57 | =F58 | | | |   
44 | Blank pipe 10 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.815161 | =E57+D58 | =G58+D58 | =F59 | | | |   
45 | Blank pipe 11 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.812161 | =E58+D59 | =G59+D59 | =F60 | | | |   
46 | Blank pipe 12 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.813161 | =E59+D60 | =G60+D60 | =F61 | | | |   
47 | Blank pipe 13 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.748161 | =E60+D61 | =G61+D61 | =F62 | | | |   
48 | Blank pipe 14 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.813161 | =E61+D62 | =G62+D62 | =F63 | | | |   
49 | Blank pipe 15 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.804160999999999 | =E62+D63 | =G63+D63 | =F64 | | | |   
51 | Swell Packer | SWELL PACKER | 11.476161 | =E63+D64 | =G64+D64 | =F65 | | | |   
50 | Blank pipe 16 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.813161 | =E64+D65 | =G65+D65 | =F66 | | | |   
52 | Blank pipe 17 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.807160999999999 | =E65+D66 | =G66+D66 | =F67 | | | |   
53 | Blank pipe 18 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.813161 | =E66+D67 | =G67+D67 | =F68 | | | |   
54 | Blank pipe 19 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.818161 | =E67+D68 | =G68+D68 | =F69 | | | |   
55 | Blank pipe 20 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.812161 | =E68+D69 | =G69+D69 | =F70 | | | |   
56 | Blank pipe 21 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.810160999999999 | =E69+D70 | =G70+D70 | =F71 | | | |   
57 | Blank pipe 22 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.811161 | =E70+D71 | =G71+D71 | =F72 | | | |   
58 | Blank pipe 23 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.813161 | =E71+D72 | =G72+D72 | =F73 | | | |   
59 | Blank pipe 24 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.726161 | =E72+D73 | =G73+D73 | =F74 | | | |   
60 | Blank pipe 25 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.726161 | =E73+D74 | =G74+D74 | =F75 | | | |   
61 | Blank pipe 26 | BLANK 4-1/2" 12.6# HSM2 BOX x PIN | 11.812161 | =E74+D75 | =G75+D75 | =F76 | | | |   
62 | Blank pipe 27 | BLANK W/CTRLZ 4-1/2" 12.6# HSM2 BOX x PIN | 11.583160999999999 | =E75+D76 | =G76+D76 | =F77 | | | |   
67 | MFIV ASSEMBLY | PUP JOINT, 4-1/2" 12.6PPF HSM2-PREMIUM | 1.485161 | =E76+D77 | =G77+D77 | =F78 | | | |   
 | | CROSSOVER, 13CR(80), 18IN LONG, 4.5 IN 12.6 JFE BEAR BOX X 4.5 IN 12.6 HYEM HSM-2 PIN | 0.375 | =E77+D78 | =G78+D78 | =F79 | | | |   
 | | 7 MFIV-II 3X, 5.500 X 2.940 (13CR X 13CR) (TOTAL GQCP) (HNBR) | 3.196 | =E78+D79 | =G79+D79 | =F80 | | | |   
 | | CROSSOVER, 18" OAL, 4-1/2" 12.6PPF HSM2-PREMIUM BOX X 4-1/2", 12.6PPF JFE BEAR PIN, 13CR(80) | 0.346 | =E79+D80 | =G80+D80 | =F81 | | | |   
 | | PUP JOINT, 4-1/2" 12.6PPF HSM2-PREMIUM (2M) | 1.982 | =E80+D81 | =G81+D81 | =F82 | | | |   
68 | | | 1.381161 | =E81+D82 | =G82+D82 | =F83 | | | |   
 | | CROSSOVER – 4.937-6 STUB ACME BOX x 4-1/2" 12.6PPF HSM2-PREMIUM PIN, 13CR(80) | 0.376 | =E82+D83 | =G83+D83 | =F84 | | | |   
 | | 5.560 X 4.000 X 123 SBE, 13CR (80), 4.937-6 STUB ACME BOX X PIN | 3.118 | =E83+D84 | =G84+D84 | =F85 | | | |   
 | | 5.560 X 4.000 X 123 SBE, 13CR (80), 4.937-6 STUB ACME BOX X PIN | 3.118 | =E84+D85 | =G85+D85 | =F86 | | | |   
 | | 7-5/8 X 4.000 QUANTUM (24-29.7), 13CR (80),17-4 (105), NITRILE(90), 4.937-6 STUB ACME | 1.541 | =E85+D86 | =G86+D86 | 709.472 | Casing Collar 701.21 - 712.65m MD  
Packer Mid-element 0.515m  
Mid-Slips cage 0.85m | | |   
 | | 7, 7-5/8 X 4.000 QUANTUM MAX TYPE III SERVICE TOOL, NPS, 4140(125), VITON (ABOVE PACKER ONLY) | 2.137 | =E86+D87 | =G86 | =F87-D87 | | | |   
 | | HANDLING PUP JOINT 3.5 IN 15.5 IF BOX X IF PIN | 1.732 | =E87+D88 | =G87 | =F88-D88 | | | |   
 | | CROSSOVER,4 IN 14 PPF NOV XT 39 BOX X 3.5 IN 15.5 PPF IF PIN | 0.308 | =E88+D89 | =G88 | =F89-D89 | | | |   
77 | 72 | Drill Pipe 4" 14# S135 XT39 | 9.738 | =E89+D90 | =G89 | =F90-D90 | | | |   
78 | | | 9.72 | =E90+D91 | =G90 | =F91-D91 | | | |   
79 | | HYDROSOLVE SWIVEL | 4.67 | =E91+D92 | =G91 | =F92-D92 | | | |   
80 | 71 | Drill Pipe 4" 14# S135 XT39 | 9.726 | =E92+D93 | =G92 | =F93-D93 | | | |   
81 | | | 9.719 | =E93+D94 | =G93 | =F94-D94 | | | |   
82 | 70 | Drill Pipe 4" 14# S135 XT39 | 9.742 | =E94+D95 | =G94 | =F95-D95 | | | |   
83 | | | 9.733 | =E95+D96 | =G95 | =F96-D96 | | | |   
84 | 26 | HWDP 4" 14# S135 XT39 | 9.286 | =E96+D97 | =G96 | =F97-D97 | | | |   
85 | | | 9.409 | =E97+D98 | =G97 | =F98-D98 | | | |   
86 | 25 | HWDP 4" 14# S135 XT39 | 9.369 | =E98+D99 | =G98 | =F99-D99 | | | |   
87 | | | 9.4 | =E99+D100 | =G99 | =F100-D100 | | | |   
88 | 24 | HWDP 4" 14# S135 XT39 | 9.421 | =E100+D101 | =G100 | =F101-D101 | | | |   
89 | | | 9.41 | =E101+D102 | =G101 | =F102-D102 | | | |   
90 | 23 | HWDP 4" 14# S135 XT39 | 9.407 | =E102+D103 | =G102 | =F103-D103 | | | |   
91 | | | 9.416 | =E103+D104 | =G103 | =F104-D104 | | | |   
92 | 22 | HWDP 4" 14# S135 XT39 | 9.397 | =E104+D105 | =G104 | =F105-D105 | | | |   
93 | | | 9.412 | =E105+D106 | =G105 | =F106-D106 | | | |   
94 | 21 | HWDP 4" 14# S135 XT39 | 9.404 | =E106+D107 | =G106 | =F107-D107 | | | |   
95 | | | 9.355 | =E107+D108 | =G107 | =F108-D108 | | | |   
96 | 20 | HWDP 4" 14# S135 XT39 | 9.405 | =E108+D109 | =G108 | =F109-D109 | | | |   
97 | | | 9.392 | =E109+D110 | =G109 | =F110-D110 | | | |   
98 | 19 | HWDP 4" 14# S135 XT39 | 9.41 | =E110+D111 | =G110 | =F111-D111 | | | |   
99 | | | 9.408 | =E111+D112 | =G111 | =F112-D112 | | | |   
100 | 18 | HWDP 4" 14# S135 XT39 | 9.41 | =E112+D113 | =G112 | =F113-D113 | | | |   
101 | | | 9.427 | =E113+D114 | =G113 | =F114-D114 | | | |   
102 | 17 | HWDP 4" 14# S135 XT39 | 9.407 | =E114+D115 | =G114 | =F115-D115 | | | |   
103 | | | 9.433 | =E115+D116 | =G115 | =F116-D116 | | | |   
104 | 16 | HWDP 4" 14# S135 XT39 | 9.374 | =E116+D117 | =G116 | =F117-D117 | | | |   
105 | | | 9.419 | =E117+D118 | =G117 | =F118-D118 | | | |   
106 | 15 | HWDP 4" 14# S135 XT39 | 9.445 | =E118+D119 | =G118 | =F119-D119 | | | |   
107 | | | 9.413 | =E119+D120 | =G119 | =F120-D120 | | | |   
108 | 14 | HWDP 4" 14# S135 XT39 | 9.439 | =E120+D121 | =G120 | =F121-D121 | | | |   
109 | | | 9.441 | =E121+D122 | =G121 | =F122-D122 | | | |   
110 | 13 | HWDP 4" 14# S135 XT39 | 9.428 | =E122+D123 | =G122 | =F123-D123 | | | |   
111 | | | 9.412 | =E123+D124 | =G123 | =F124-D124 | | | |   
112 | 12 | HWDP 4" 14# S135 XT39 | 9.397 | =E124+D125 | =G124 | =F125-D125 | | | |   
113 | | | 9.41 | =E125+D126 | =G125 | =F126-D126 | | | |   
114 | 11 | HWDP 4" 14# S135 XT39 | 9.35 | =E126+D127 | =G126 | =F127-D127 | | | |   
115 | | | 9.422 | =E127+D128 | =G127 | =F128-D128 | | | |   
116 | 10 | HWDP 4" 14# S135 XT39 | 9.437 | =E128+D129 | =G128 | =F129-D129 | | | |   
117 | | | 9.412 | =E129+D130 | =G129 | =F130-D130 | | | |   
118 | 9 | HWDP 4" 14# S135 XT39 | 9.402 | =E130+D131 | =G130 | =F131-D131 | | | |   
119 | | | 9.394 | =E131+D132 | =G131 | =F132-D132 | | | |   
120 | 8 | HWDP 4" 14# S135 XT39 | 9.413 | =E132+D133 | =G132 | =F133-D133 | | | |   
121 | | | 9.409 | =E133+D134 | =G133 | =F134-D134 | | | |   
122 | 7 | HWDP 4" 14# S135 XT39 | 9.42 | =E134+D135 | =G134 | =F135-D135 | | | |   
123 | | | 9.421 | =E135+D136 | =G135 | =F136-D136 | | | |   
124 | 6 | HWDP 4" 14# S135 XT39 | 9.437 | =E136+D137 | =G136 | =F137-D137 | | | |   
125 | | | 9.397 | =E137+D138 | =G137 | =F138-D138 | | | |   
126 | 5 | HWDP 4" 14# S135 XT39 | 9.344 | =E138+D139 | =G138 | =F139-D139 | | | |   
127 | | | 9.414 | =E139+D140 | =G139 | =F140-D140 | | | |   
128 | 4 | HWDP 4" 14# S135 XT39 | 9.414 | =E140+D141 | =G140 | =F141-D141 | | | |   
129 | | | 9.403 | =E141+D142 | =G141 | =F142-D142 | | | |   
130 | 3 | HWDP 4" 14# S135 XT39 | 9.412 | =E142+D143 | =G142 | =F143-D143 | | | |   
131 | | | 9.425 | =E143+D144 | =G143 | =F144-D144 | | | |   
132 | 9 | SHWDP 4" 14# S135 XT39 | 9.449 | =E144+D145 | =G144 | =F145-D145 | | | |   
133 | | | 9.406 | =E145+D146 | =G145 | =F146-D146 | | | |   
134 | 8 | SHWDP 4" 14# S135 XT39 | 9.36 | =E146+D147 | =G146 | =F147-D147 | | | |   
135 | | | 9.397 | =E147+D148 | =G147 | =F148-D148 | | | |   
136 | 7 | SHWDP 4" 14# S135 XT39 | 9.408 | =E148+D149 | =G148 | =F149-D149 | | | |   
137 | | | 9.448 | =E149+D150 | =G149 | =F150-D150 | | | |   
138 | 6 | SHWDP 4" 14# S135 XT39 | 9.37 | =E150+D151 | =G150 | =F151-D151 | | | |   
139 | | | 9.409 | =E151+D152 | =G151 | =F152-D152 | | | |   
140 | 5 | SHWDP 4" 14# S135 XT39 | 9.447 | =E152+D153 | =G152 | =F153-D153 | | | |   
141 | | | 9.347 | =E153+D154 | =G153 | =F154-D154 | | | |   
142 | 4 | SHWDP 4" 14# S135 XT39 | 9.444 | =E154+D155 | =G154 | =F155-D155 | | | |   
143 | | | 9.443 | =E155+D156 | =G155 | =F156-D156 | | | |   
144 | 3 | SHWDP 4" 14# S135 XT39 | 9.45 | =E156+D157 | =G156 | =F157-D157 | | | |   
145 | | | 9.415 | =E157+D158 | =G157 | =F158-D158 | | | |   
146 | 2 | SHWDP 4" 14# S135 XT39 | 9.405 | =E158+D159 | =G158 | =F159-D159 | | | |   
147 | | | 9.347 | =E159+D160 | =G159 | =F160-D160 | | | |   
148 | 1 | SHWDP 4" 14# S135 XT39 | 9.438 | =E160+D161 | =G160 | =F161-D161 | | | |   
149 | | | 9.42 | =E161+D162 | =G161 | =F162-D162 | | | |   
150 | 69 | Drill Pipe 4" 14# S135 XT39 | 9.71 | =E162+D163 | =G162 | =F163-D163 | | | |   
151 | | | 9.739 | =E163+D164 | =G163 | =F164-D164 | | | |   
152 | | Single 4" 14# S135 XT40 | 9.7 | =E164+D165 | =G164 | =F165-D165 | | | |   
 | | | | | | | | | |