|   |  | MORNIN  
   |  |  
   | !   | Missie   |  
  |  | <u>CK18</u>  |  |   |   |                                   |                    | Exp 358  |  |  
   |   |        |  |  | Repo  |   |                 | 1  
   |   |
|---|--
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Site Name	c0002	
   | Hole Name  | C000   
   |   | Lat.   |  
  | 18.050   |  | Long. 136<br>Drilling/Coring   | 5° 38.2   |   |                                   |                    |  |  | mBRT<br>BOP PT:  
   |   | RT-MS  |  | -  | Rep<br>ext BOP PT   | ort Date :  | 2<br>1/26/19    | 2/Jan/20   
   | 19  |
|   | : @06:00   |   
   |  | 12.5 mbs   
   | f   | LAST C   | ASING  
  | 9-5/8"   | -<br>x 11-3/4" ESET  | x 2,8  | 847.50  | mbsf(   | 4,815                             | .0 1               | mBRT)  | Last   | BOP FT:  
   |   | 1/12/1 |  | Ne   | xt BOP FT   |   | 1/23/19         |  
   |   |
| Pro   | Summary of<br>sent Operation   | of Operation  
   |  |  
   |   |  |  
  |  | 4,794mBF<br>nBRT by j  | RT. Screw-in   | n. Wor  | k pipe  | at 4,8                            | 16mB               | RT by jarrir   | ng.  |  
   |   |        |  | Las  | t Glycol 35   | igal Inj.<br>meter below  |                 | 2/19   
   |   |
| Ti  | me Breakdo   | wn ( 00:00 -  
   | 24:00 on   | 21-Jan   
   | )   |  |  
  | ,0101  | norti by j   | anng.  |   |   |                                   |                    |  |  |  
   |   |        |  | -  |   | eter below  |                 | Jie  
   |   |
| From<br>0:00  | To<br>3:15   | Hrs<br>3:15   
   | Code<br>OTHER(N  | Depth(mBRT)  
   |   | ie to ru   | n Fish   
  | ing Bl   | HA from 3  | ,795mBRT   | to 4,7  | 94mBF   | RT                                |                    | Detail of  | Operatio   | n  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   | Tal   | ke para  | ameter   
  | s at 4   | ,778mBR  | T: free torqu  | ie w/ §   | 5rpm x  | 13kN                              |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   |  |  
  |  |  | and lowering<br>nnection sn  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   | nit) and fr   | om 2MF          | a to 3.3   
   | MPa.  |
|   |  |   
   |  |  
   | Sto   | op pum   | p and  
  | obse   | rve pressi   | ure trap 3.3   | MPa. I  | Bleed   | off pre                           | ssure              | to 0MPa.   |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   |  |  
  |  |  | screw in su<br>tart pump w   |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   | connect         | ion prop   
   | erlv  |
| 3:15  | 15:00  | 11:45   
   | OTHER(N  | 4,880.0  
   | Work pi   | pe at 4  | 1,816m   
  | IBRT   |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   | 00 100  | conneot         |  
   | ony.  |
|   |  |   
   |  |  
   | Att   |  | | | | | | | |
  |  |  | rring up/dov<br>0kN (SO) th  |   |   |                                   |                    |  |  |  
   |   |        |  |  | ICCESS.   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   | Jarr   | ing do   
  | wn: C  | ocked by   | 200kN (OP  | ) then  | 600kN   | V (SO)                            | , w/o              | pump   |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   |  |  
  |  |  | rpm x 42kN<br>0min w/2,50  |   |   |                                   |                    |  | jarring  | <b>]</b> .   
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   | 30)   | 3:30-09  | :15) P   
  | erforr   | n derrick  | nspection w  | hile c  | ooling  | jar                               |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   | -  |   
   |  |  
   | (11   | :55-12   | :30) P   
  | erforn   | n derrick i  | nspection w  | hile c  | ooling  | jar                               |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
| 15:00   | 24:00  | 9:00  
   | OTHER(N  | 4,880.0  
   | Work pi   |  | | | | | | | |
  |  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  | +  
   |   |  | | | | | | | |
  |  |  | 0, and try ja<br>ng up: Faile  |   | ip 5 tin  | nes: F                            | ailed.             |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   | Ap  | ply 2.5  | MPa p  
  | ressu  | ire and try  | jarring up:  | Failed  |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   | -  | Attempt to jar up after Derrick inspection (15:15-16:30): Failed<br>Suspect jar unable to fire since hydraulic oil becomes hig  
   |  |  
   |   |  | | | | | | | |
  |  |  |  |   |   | mperature                         | due to             | no ciro  | ulation.   |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  | Try to fire jarring up once cocked jar w/700kN (SO) two times: Failed.  
   |  |  
   |   |  | | | | | | | |
  |  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   | -  | Attempt to jar up w/20kNm torque and 7MPa standpipe pressure: Failed.<br>Continue to work pipe w/1600kN (OP) and 300kN (SO) (jar fired x 1time)   
   |  |  
   |   |  | | | | | | | |
  |  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
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  |  |  |  |   |   | / 9                               |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   | (15   | 5:15-16  | i:30) D  
  |  | inspection   | n<br>Ind kill line v   | with 30   | )0apm   | x 2.5                             | MPa.               |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   |  | | | | | | | |
  |  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   | +  |   
   |  |  
   | Iro   | n rougi  | hneck  
  | over t   | torque iss   | ue is under  | invest  | igatior   | n at au                           | xiliary            | / well.  |  |  
   |   |        |  |  |   |   |                 |  
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   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   | Dit   | ch mag   | gnet: 5  
  | .0kg (   | (Total 13.0  | kg from RII  | H 9.85  | 1"junk  | c mill)                           |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  | +  
   | No  | loss/g   | ain in 1   
  | 24hrs  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   | ime Breakdo  |   
   |  | 22-Jan   
   | 1T* (   |  | | | | | | | |
  |  | 0 is unofficia   | Ι.   |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
| From<br>0:00  | To<br>6:00   | Hrs.<br>6:00  
   | Code<br>OTHER(N  | Depth(mBR1   
   | Work pi   | pe at 4  | l.816m   
  | BRT  |  |  |   |   |                                   |                    | Detail of  | Operatio   | n  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   | empt to  | o brea   
  | k strin  | ng by Jarr   | ng, No suco  | cess  |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   |  |  
  |  |  | ull max 2,50<br>500kN(SO   |   |   |                                   | 00kN(              | (OP) for jarı  | ring up  | , and 2  
   | 00kN(OF   | P) the | en 600kl   | V(SO)  | for jarrin  | ng down(v   | w/o pum         | p).  
   |   |
|   |  |   
   |  |  
   | Att   | empt to  | o brea   
  | k free   | string w/  | 70rpm x 42k  | Nm o  | f neutr   | al wei                            | ght, e             | very 10 tim  | es wor   | k pipe   
   |   |        |  |  |   |   |                 |  
   |   |
|   |  |   
   |  |  
   |   |  | | | | | | | |
  |  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  |   |   |                 |  
   |   |
|   | Sizo   | FR T  
   | /pe 1/   | DC c   
   | i/No. N   | lozzles  | [  
  | Depth (i   | mBRT)  | Meter-   | н   | rs.   | WOB (                             |                    | rpm  | Tota   | l Rev.   
   | ROP   |        |  |  |   | ull Conditior   |                 |  
   | -   |
| No.   | (in)   |   
   | ро с   | ode  
   |   | OLLIGO   | Fr   
  | om   | То   | age  |   |   | Min.                              | Max.               | Min. Max.  | (k   | rev)   
   | (m/hr)  | Inn    | er Outer   | Dull   | Loc.  | В   | G               | 0.D.   
   | RP  |
| BHA Recor   | 4 @24:00   |   
   |  |  
   |   |  |  
  |  | )  |  |   |   | }                                 |                    |  |  |  
   |   |        |  |  | Hook W  | 't. (knt) @24   | 1.00            | 4,794.0  
   | mBRT  |
| 23  | Fishing  | Screw in sul  
   | o (4-1/2IF Pi  | n x 4-1/2IF E  
   | ox) x XO#1 :  | x XO#2 x   | 8"Jar x 8  
  | 8-1/2"D0   | C (6jts) x XO#   | 13   |   |   |                                   |                    |  |  |  
   |   |        |  | ]  | Hook Loa  |   |                 | 4,754.0  
   | 2,950   |
|   | впа  |   
   |  |  
   |   |  | | | | | | | |
  |  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  | -  | BHA<br>Below D  | С   |                 |  
   | 105   |
| Mud Proper  | rties @24:00   |   
   |  |  
   |   |  | | | | | | | |
  |  |  |  |   |   |                                   |                    |  |  |  
   |   |        |  |  | below Ja  | ar<br>Traveling bl  | ock             |  
   | 0<br>650  |
| Mud Type  | Time   | Depth   
   |  |  
   |   | Gel St.  | 1  
  | Cake   |  |  | d Oil   |   |                                   |                    |  |  |  
   |   |        | 20/40 (mm)   | a 👘  |   |   |                 |  
   | -   |
| KNPP  | 7:30   |   
   | MW VIS   | PV YV  
   |   |  | API  
  | louico   | pH Pf  | Cl- San  |   | Solid   | MBC -                             | Ten                |  | n  | к  
   | LGS   |        |  | ·-   | Hook +  | RRT   |                 |  
   | -   |
| KNPP  |  | (mBRT)<br>Pit   
   | 1.39 61  | 24 25  
   | 9 8   |  | 7.0  
  | 1.1  | 10.6 0.1   | 117,000 0.20   | )   | 19.0  | 2.25                              | In<br>10           | Out K+<br>8 21,900   | 0.46   | 2.28   
   | 6.50  | 0 m    | nin 5min   |  | Hook +<br>Hook ble<br>Jar Rota  | RRT<br>ock<br>ating time 24   |                 |  
   |   |
|   | 14:00  | (mBRT)  
   |  |  
   | _   | 15   |  
  |  |  |  | )   | 19.0  |                                   | In                 | Out K+   |  |  
   |   | 0 m    | nin 5min   | -  | Hook +<br>Hook ble<br>Jar Rota<br>Today   | RRT<br>ock<br>ating time 24   | Total           | 2-1636<br>58.73  
   | hrs   |
| Mud Pumps : *   | 14:00  | (mBRT)<br>Pit<br>Pit  
   | 1.39 61<br>1.39 61<br>5.00   | 24 25<br>24 24<br>gallon/strok   
   | 9 8<br>8 8<br>e @97%  | 15<br>15<br>Perso  | 7.0<br>7.0   
  | 1.1  | 10.6 0.1<br>10.6 0.1   | 117,000 0.20<br>117,000 0.20<br>Mud Materials  | )   | 19.0<br>19.0  | 2.25<br>2.26<br>4:00hrs           | In<br>10<br>10     | Out         K+           8         21,900           20,900   | 0.46   | 2.28<br>1.94<br>g)   
   | 6.50<br>6.50  | 0 m    | nin 5min   | -  | Hook +<br>Hook ble<br>Jar Rota<br>Today<br>Cutting  | RRT<br>ock<br>ating time 2<br>0.00<br>skip @24:0<br>impty   | Total<br>0<br>F | 58.73<br>ull   
   | Total   |
| No. Line  | 14:00<br>14-P-220<br>er Size Si  | (mBRT)<br>Pit<br>Pit<br>PM GI   
   | 1.39 61<br>1.39 61<br>5.00<br>PM PI<br>(N  | 24 25<br>24 24<br>gallon/strok<br>ress. An<br>IPa) (n  
   | 9 8<br>8 8 8<br>e @97%<br>n. Vel.<br>h/min)   | 15<br>15<br>Perso<br>CDE<br>MQJ  | 7.0<br>7.0<br>0nnel @<br>X<br>Crew   
  | 1.1  | 10.6 0.1<br>10.6 0.1<br>10.6 0.1   | 117,000 0.20<br>117,000 0.20<br>117,000 0.20<br>Mud Materials<br>Item<br>Barite (Bulk)   | s on Bo   | 19.0<br>19.0  | 2.25<br>2.26                      | In<br>10<br>10     | Out K+<br>8 21,900   | 0.46   | 2.28<br>1.94<br>g)<br>Stoo<br>378,0  
   | 6.50<br>6.50<br>k   | 0 m    | nin 5min   | -  | Hook +<br>Hook blu<br>Jar Rota<br>Today<br>Cutting =<br>E<br>ROV @  | RRT<br>ock<br>ating time 2-<br>0.00<br>skip @24:0<br>mpty<br>54   | Total<br>0<br>F | 58.73<br>ull<br>0  
   |   |
| No. Line  | 14:00<br>14-P-220<br>er Size Si<br>ooster) S   | (mBRT)<br>Pit<br>Pit<br>Pit<br>PM Gi<br>20 44   
   | 1.39 61<br>1.39 61<br>5.00<br>PM PI<br>(N<br>50  | 24 25<br>24 24<br>gallon/strok<br>ress. An<br>IPa) (n  
   | 9 8<br>8 8<br>8 8<br>e @97%<br>n. Vel.<br>i/min)<br>c 5.5"DP  | 15<br>15<br>Perso<br>CDE   | 7.0<br>7.0<br>0nnel @<br>X<br>Crew   
  | 1.1  | 10.6 0.1<br>10.6 0.1<br>11   | 117,000 0.20<br>117,000 0.20<br>Mud Materials<br>Item  | s on Bo   | 19.0<br>19.0  | 2.25<br>2.26<br>4:00hrs           | In<br>10<br>10     | Out         K+           8         21,900           20,900   | 0.46   | 2.28<br>1.94<br>g)<br>Stoo   
   | 6.50<br>6.50<br>k<br>00   | 0 m    | nin 5min   | -  | Hook +<br>Hook blo<br>Jar Rota<br>Today<br>Cutting =  | RRT<br>ock<br>ating time 2-<br>0.00<br>skip @24:0<br>impty<br>54<br>24:00   | Total<br>0<br>F | 58.73<br>ull   
   | Total   |
| No. Line<br>1 6"(B<br>2<br>3 6"(B   | 14:00<br>14-P-220<br>er Size Sl<br>ooster) 6<br>6"<br>ooster) 6  | (mBRT)<br>Pit<br>Pit<br>PM GI<br>00 44<br>00 (0)<br>00 44   
   | 1.39 61<br>1.39 61<br>5.00<br>PM PI<br>(N<br>50  | 24 25<br>24 24<br>gallon/strok<br>ress. An<br>IPa) (n  
   | 9 8<br>8 8<br>8 8<br>e @97%<br>n. Vel.<br>i/min)<br>c 5.5"DP  | 15<br>15<br>Perso<br>CDE<br>MQJ<br>MWJ   | 7.0<br>7.0<br>0nnel @<br>X<br>Crew   
  | 1.1  | 10.6 0.1<br>10.6 0.1<br>10.6 0.1<br>10.1<br>10.1<br>101<br>16  | 117,000 0.20<br>117,000 0.20<br>Mud Materials<br>Item<br>Barite (Bulk)<br>Caustic Soda<br>Lime<br>Soda Ash   | s on Bo   | 19.0<br>19.0  | 2.25<br>2.26<br>4:00hrs           | In<br>10<br>10     | Out         K+           8         21,900           20,900   | 0.46   | 2.28<br>1.94<br>g)<br>378,00<br>1,200<br>475   
   | 6.50<br>6.50<br>k<br>00<br>0  | 0 m    | nin 5min   | formatio   | Hook +<br>Hook ble<br>Jar Rota<br>Cutting :<br>E<br>ROV @<br>Status<br>Last Div<br>Injection  | RRT<br>ock<br>ating time 2-<br>0.00<br>skip @24:0<br>impty<br>54<br>24:00<br>//e  | Total<br>0<br>F | 58.73<br>Full<br>0<br>Diving   
   | Total<br>54   |
No. Line 1 6"(B 2 3 6"(B	14:00 14-P-220 er Size Si ooster) S 6"	(mBRT) Pit Pit PM Gi 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 ( 00)))))))))))))))))))))))))))))))))))	1.39 61 1.39 61 5.00 PM PI (N 50 ) 2	24 25 24 24 gallon/strok ress. An IPa) (n 48	9 8 8 8 8 8 e @97% n. Vel. i/min) c 5.5"DP	15 15 Perso CDE MQJ MWJ	7.0 7.0 7.0 X Crew	1.1	10.6 0.1 10.6 0.1 10.6 0.1 101 101 13 2	117,000 0.20 117,000 0.20 Mud Materials Item Barite (Bulk) Caustic Soda Lime	sh	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 g) Stoc 378,00 1,200 475 1,27 ,560 / 1,	6.50 6.50 k 00 0 5 5 940 / 0	0 m	nin 5min	formatic	Hook + Hook blo Jar Rota Today Cutting : E ROV @ Status Last Div Injection on @24:00	RRT ock ating time 2- 0.00 skip @24:0 impty 54 24:00 //e	Total 0 F	58.73 full 0 Diving 1/18/19 e w/135 ga	Total 54
No. Line 1 6"(B 2 3 6"(B Geologic I	14:00 er Size Sl ooster) 5 6" ooster) 5 nformation (	(mBRT) Pit Pit PM Gi 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 ( 00)))))))))))))))))))))))))))))))))))	1.39 61 1.39 61 5.00 PM Pi (N 50 50 2	24 25 24 24 gallon/strok ress. An IPa) (n 48	9 8 8 8 8 8 e @97% n. Vel. i/min) c 5.5"DP	15 15 Perso CDE MQJ MWJ Scier Telnit Ocea	7.0 7.0 7.0 Crew Antist	1.1 1.1 24:00	10.6 0.1 10.6 0.1 10.6 0.1 101 101 13 2 6	117,000 0.20 117,000 0.20 Mud Materials Item Barite (Bulk) Caustic Soda Lime Soda Ash Caustic Potas Tel-Polymer I XCD-Polymer	sh DX/L/	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 g) 378,00 1,200 475 1,27: ,560 / 1,' 625	6.50 6.50 k 00 0 5 5 940 / 0	0 m	Heli In Flt. No.		Hook + Hook blo Jar Rota Today Cutting : E ROV @ Status Last Div Injection on @24:00	RRT ock ating time 2: 0.00 skip @24:0 mpty 54 24:00 re n Skid	Total 0 F	58.73 full 0 Diving 1/18/19 e w/135 ga	Total 54 al skid
No. Line 1 6"(B 2 3 6"(B Geologic I	14:00 er Size Sl ooster) 5 6" ooster) 5 nformation (	(mBRT) Pit Pit PM Gi 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 44 00 ( 00 ( 00)))))))))))))))))))))))))))))))))))	1.39 61 1.39 61 5.00 PM Pi (N 50 50 2	24 25 24 24 gallon/strok ress. An IPa) (n 48	9 8 8 8 8 8 e @97% n. Vel. i/min) c 5.5"DP	15 15 CDE MQJ Scier Telnit Ocea SLB SLB	7.0 7.0 7.0 Crew Ntist	1.1 1.1 24:00	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.7         10.6           11         101           16         13           2         6           3         3	117,000 0.20 117,000 0.20 Itomo 0.20 Mud Material: Item Barite (Bulk) Caustic Soda Lime Soda Ash Caustic Potas Tel-Polymert XCD-Polymet Lignate NC Clean Lube V	sh DX / L /	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 9) Stoc 378,00 1,200 475 1,27 ,560 / 1,' 625 4,500 8,000	6.50 6.50 k 00 5 5 940 / 0	0 m	Heli In Flt. No. 1 2		Hook + Hook bli Jar Rota Today Cutting : E ROV @ Status Last Div Injectior on @24:00	RRT           ock           ating time 2-           0.00           skip @24:0           54           24:00           //e           n Skid	Total 0 F	58.73 iull 0 1/18/19 e w/135 ga Pass	Total 54 al skid enger
No. Line 1 6"(B 2 3 6"(B Geologic I From	14:00 er Size Sl ooster) 5 6" ooster) 5 nformation (	(mBRT) Pit Pit PM Gi 00 44 00 (0 00 44 00 (1 00 44 00 (1 00 44 00 (1 00 14 00 14	1.39 61 1.39 61 5.00 PM PH (N 50 50 50 2 1.150 1.39 61 (N 50 0 2 1.39 61 1.39	24 25 24 24 gallon/strok ress. An IPa) (n 48	9 8 8 8 8 8 e @97% n. Vel. i/min) c 5.5"DP	15 15 CDE: MQJ Scier Telnit Ocea SLB SLB Geos	7.0 7.0 7.0 000000000000000000000000000	1.1 1.1 24:00	10.6 0.1 10.6 0.1 10.6 0.1 10.1 10.1 10.1 13 2 6 3	117,000 0.20 117,000 0.20 117,000 0.20 Mud Material: Item Barite (Bulk) Caustic Soda Lime Soda Ash Caustic Potas Tel-Polymer II XCD-Polymer Lignate NC	sh DX / L /	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 378,00 1,200 475 1,273 ,560 / 1,1 625 4,500	6.50 6.50 k 00 0 5 5 940 / 0 0 0 0	0 m	Heli In Fit. No. 1		Hook + Hook bli Jar Rota Today Cutting : E ROV @ Status Last Div Injectior on @24:00	RRT           ock           ating time 2-           0.00           skip @24:0           54           24:00           //e           n Skid	Total 0 F	58.73 iull 0 1/18/19 e w/135 ga Pass	Total 54 al skid enger
No. Line 1 6"(B 2 3 6"(B Geologic I From Shale Sha No.1	14:00 r Size Si coster) 5 6" coster) 5 6" cos	(mBRT) Pit Pit PM GI 00 44 00 44 00 00 00 00 00 00 00 00 00	1.39 61 1.39 61 5.00 PM PH (N 50 250 250 4 30, 230	24 25 24 24 24 24 gallon/strok ess. An IPa) (n 1.3 48 cuttings #1-#3 Cel	9 8 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 9 8 9 7 % 9 7 % 9 7	15 15 CDE MQJ MWJ Scier Telnit Ocea SLB SLB Geos M-I S SLB	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.1 1.1 24:00	10.6 0.1 10.6 0.1 10.6 0.1 10.6 1.1 10.1 16 13 2 6 3 3 3 6 4 4 2	117,000 0.20 117,000 0.20 Mud Materiali Item Barite (Bulk) Caustic Soda Lime Soda Ash Caustic Potas Tel-Polymer I XCD-Polymer I Zignate NC Clean Lube V Tel Clean W Astex-S Deformer 300	sh v	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 9) Stoc 378,00 1,200 475 1,277 ,560 / 1, 625 4,500 4,600 4,600 4,400 512	6.50 6.50 k 00 0 0 0 0 0 0 0 0 0	0 m	Heli Ini Fit. No. 1 2 3 4 Safety	(HSE)	Hook + Hook bli Jar Rotz Today Cutting: ROV @ Status Last Div Injectior on @24:00	RRT           ock           ating time 2:           0.00           skip @24:0           mpty           54           24:00           re           1 Skid	Total 0 F	58.73 ull 0 Diving 1/18/19 e w/135 ge Pass Are.	Total 54 al skid enger
No.         Line           1         6"(B           2         3           3         6"(B           Geologic I         From	14:00 r Size SI cooster) 5 6" cooster) 5 cooster) 5	(mBRT) Pit Pit Pit PM Gi 30 44 0 ( 30 44 224:00 L 1 1 1 1 1 1 1 1 1 1 1 1 1	1.39 61 1.39 61 5.00 PPM (N 50 50 4 50 4 50 4 50 4 50 50 4 50 6 50 50 6 50 6 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	24 25 24 24 gallon/strok eess. An IPa) (n (n 48 cuttings	9 8 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 9 8 9 7 % 9 7 % 9 7	15 15 CDE MQJ MWJ Scier Telnit Ocea SLB SLB SLB SLB SLB SLB	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.1 1.1 24:00	10.6 0.1 10.6 0.1 10.6 0.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1	117,000 0.22 117,000 0.22 117,000 0.22 Mud Materiali Item Barte (Bulk) Caustic Soda Caustic Soda Caustic Soda Caustic Podymer 1 XCD-Polymer 1 XCD-Polymer 1 Clean Lube V Tel Clean W Astex-S Deformer 300 Tell DD Bi-Carbonate	sh DX / L / r V	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 378,00 1,200 4755 4,500 4,500 4,500 4,600 4,000 4,	6.50 6.50 k 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 m	Heli In Fit. No. 1 2 3 4 Safety Incider	(HSE)	Hook + Hook bli Jar Rotz Today Cutting: ROV @ Status Last Div Injectior on @24:00	RRT           ock           ating time 2:           0.00           skip @24:0           mpty           54           22:00           re           1 Skid           Time           Depa           I	Total 0 F	58.73 iull 0 1/18/19 e w/135 ga Pass	Total 54 al skid enger
No.         Line           1         6"(B           2         3           3         6"(B           Geologic I         From	14:00 14:P-220 er Size SI cooster) S 6" Sooster) S 6" Sooster) S 6" Sooster) S 6" SI SI SI SI SI SI SI SI SI SI	(mBRT)           Pit           Pit           Pit           00           44           00           42           224:00           L           Ige @24:00           No.4           No.6           No.6																								
   | 1.39 61<br>1.39 61<br>5.00<br>PM (N<br>50<br>250<br>250<br>250<br>250<br>250<br>250<br>250   | 24 25<br>24 24<br>gallon/strok<br>ess. An<br>IPa) (n<br>IPa) (n<br>48<br>cuttings<br>#1-#3 Cer<br>running  
   | 9 8 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 9 8 9 7 % 9 7 % 9 7 | 15<br>15<br>CDE<br>MQJ<br>MWJ<br>Scier<br>Telnit<br>Ocea<br>SLB<br>Geos<br>SLB<br>SLB<br>SLB<br>SLB<br>SLB   | 7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0   
  | 1.1<br>1.1<br>224:00   | 10.6 0.1<br>10.6 0.1<br>10.6 0.1<br>10.1<br>10.1<br>10.1<br>10.1<br>10.1<br>10.1<br>10.1   | 117,000 0.22<br>117,000 0.22<br>117,000 0.22<br>Item<br>Barite (Bulk)<br>Caustic Soda<br>Lime<br>Soda Ash<br>Caustic Potas<br>Tel-Polymet<br>Lignate NC<br>Ciean Lube V<br>Tel Ciean W<br>Astex-S<br>Deformer 300<br>Tell DD   | sh<br>V<br>V  | 19.0<br>19.0<br>ard @24                                   | 2.25<br>2.26<br>4:00hrs           | In<br>10<br>10     | Out         K+           8         21,900           20,900   | 0.46<br>0.49<br>(unit: k   | 2.28<br>1.94<br>9)<br>Stoc<br>378,00<br>1,200<br>475<br>1,277<br>,560 / 1,<br>,625<br>4,500<br>8,000<br>4,600<br>4,400<br>512<br>3,200   
   | 6.50<br>6.50<br>k<br>200<br>5<br>5<br>940 / 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0 m    | Heli Ini<br>Fit.<br>No.<br>1<br>2<br>3<br>4<br>Safety  | (HSE) ;  | Hook +<br>Hook bli<br>Jar Rotz<br>Today<br>Cutting:<br>ROV @<br>Status<br>Last Div<br>Injectior<br>on @24:00  | RRT           ock           ating time 2:           0.00           skip @24:0           ''e           o Skid           Time           Depa           Information           Last                                     | Total<br>0<br>F | 58.73<br>ull<br>0<br>Diving<br>1/18/19<br>e w/135 ge<br>Pass<br>Are.   
   | Total<br>54<br>al skid<br>enger   |
No.         Line           1         6"(B           2         3           3         6"(B           Geologic I         From   Shale Sha No.1 No.2 No.3 Materials 3 I Fresh Wat	14:00 14:P-220 ar Size Si cooster) § 6" 100 100 100 100 100 100 100 10	(mBRT)         Pit           Pit         Pit           Pit         0           90         44           00         44           224:00         1           00         4 <td>1.39 61 1.39 61 5.00 PM PM (N 50 50 50 4 50 50 4 50 50 50 50 50 50 50 50 50 50</td> <td>24 25 24 24 gallon5trok ess. An (m Pa) (m .3 48 cuttings = #1-#3 Cet running =</td> <td>9 8 8 8 e @97% n. Vel. /min) 38 38 c 5.50P 38 c 5.50P 38 c 5.50P 38 c 6.50P 38 c 6.50P 38 c 6.50P</td> <td>15 15 MQJ MWJ Scier Telnit Ocea SLB SLB SLB SLB SLB SLB SLB SLB SLB SLB</td> <td>7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0</td> <td>1.1 1.1 224:00</td> <td>10.6         0.1           10.6         0.1           10.1         0.1           10.1         10           10.1         10           10.2         0           2         0           2         0           2         1           2         1</td> <td>117.000 0.22 117.000 0.22 117.000 0.22 Mud Materiali Item Bartle (Bulk) Caustic Pota Caustic Pota Stata Deformer 30 Tell DD Bi-Carbonate Citric Acid Tan Cal <i>C / M</i> Tain Cal <i>C / M</i></td> <td>sh V V</td> <td>19.0 19.0 ard @24</td> <td>2.25 2.26 4:00hrs</td> <td>In 10 10</td> <td>Out         K+           8         21,900           20,900        </td> <td>0.46 0.49 (unit: k</td> <td>2.28 1.94 378,0 200 475 1,277 1,277 1,275 4,500 / 1, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,</td> <td>6.50 6.50 k 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0 m</td> <td>Heli Ini Fit. No. 1 Safety Incider LTA HUNS Remar</td> <td>(HSE) and the second se</td> <td>Hook + Hook bi Jar Rota Cutting : E ROV @ Status Last Div Injection on @24:00 vrrived</td> <td>RRT           ock           ating time 2:           0.00           skip @24:0           re           1 Skid             Time           Depa           Information           Last           Incident</td> <td>Total 0 F</td> <td>58.73 ull 0 Diving 1/18/19 e w/135 ge Pass Are.</td> <td>Total 54 al skid enger</td>	1.39 61 1.39 61 5.00 PM PM (N 50 50 50 4 50 50 4 50 50 50 50 50 50 50 50 50 50	24 25 24 24 gallon5trok ess. An (m Pa) (m .3 48 cuttings = #1-#3 Cet running =	9 8 8 8 e @97% n. Vel. /min) 38 38 c 5.50P 38 c 5.50P 38 c 5.50P 38 c 6.50P 38 c 6.50P 38 c 6.50P	15 15 MQJ MWJ Scier Telnit Ocea SLB SLB SLB SLB SLB SLB SLB SLB SLB SLB	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.1 1.1 224:00	10.6         0.1           10.6         0.1           10.1         0.1           10.1         10           10.1         10           10.2         0           2         0           2         0           2         1           2         1	117.000 0.22 117.000 0.22 117.000 0.22 Mud Materiali Item Bartle (Bulk) Caustic Pota Caustic Pota Stata Deformer 30 Tell DD Bi-Carbonate Citric Acid Tan Cal <i>C / M</i> Tain Cal <i>C / M</i>	sh V V	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 378,0 200 475 1,277 1,277 1,275 4,500 / 1, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 625 4,500 / 1, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,	6.50 6.50 k 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 m	Heli Ini Fit. No. 1 Safety Incider LTA HUNS Remar	(HSE) and the second se	Hook + Hook bi Jar Rota Cutting : E ROV @ Status Last Div Injection on @24:00 vrrived	RRT           ock           ating time 2:           0.00           skip @24:0           re           1 Skid             Time           Depa           Information           Last           Incident	Total 0 F	58.73 ull 0 Diving 1/18/19 e w/135 ge Pass Are.	Total 54 al skid enger
No.         Line           1         6"(B           2         3           3         6"(B           Geologic I         From   Shale Shale No.1 No.2 No.3 No.3 IFresh Wat Potable W Drill Water	14:00 14:P-220 r Size SI sooster) 5 6" coster) 5 nformation ( To to sooster) 2 0 0 0 0 0 0 0 0 0 0 0 0 0	(mBRT)         Pit           Pit         90         44           00         44         0           00	1.39         61           1.39         61           5.00         61           00         2	24 25 24 24 allon/strok ess. An (m (m (m (m (m (m) 48) 48 cuttings #1-#3 Cec running sed Re 90.7 Re 90.7 3.9 24.2	9 8 8 8 e @97% n. Vel. //min) c 5570P 38 38	15 15 CDE: CDE: CDE: CDE: CDE: CDE: CDE: CDE:	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.1 1.1 224:00	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10         13           2         6           3         6           4         2           0         2           1         2           1         2           1         1	117.000 0.22 117.000 0.22 117.000 0.22 Mud Material Item Barite (Bulk) Caustic Soda Caustic Soda Caustic Potat Tel-Polymer I Caustic Potat Caustic Potat Causti	5h DX/L/ V	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 1.94 2.28 1.94 1.94 2000 4.00 4.00 4.600 4.0000 4.0000 4.000 4.000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.00000 4.00000 4.00000 4.000000 4.0000000000	6.50 6.50 k 200 5 5 240 / 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 m	Heli Ini Fit. No. 1 Safety Incider LTA HUNS Remar	(HSE) and cards	Hook + Hook bi Jar Rota Cutting : E ROV @ Status Last Div Injection on @24:00 vrrived	RRT           ock           ating time 2:           0.00           skip @24:0           re           1 Skid             Time           Depa           Information           Last           Incident	Total 0 F	58.73 ull 0 Diving 1/18/19 e w/135 ge Pass Are.	Total 54 al skid enger
No. Line 1 6"(B 2 6"(B 3 6"(B Geologic I From Shale Sha No.1 No.2 No.3 Materials S II Fresh Wat Potable W	14:00 14:P-220 r Size SI sooster) 5 6" coster) 5 nformation ( To to sooster) 2 0 0 0 0 0 0 0 0 0 0 0 0 0	(mBRT)         Pit           Pit         Pit           Pit <td>1.39         61           1.39         61           5.00         (h           500         2           500         2           500         2           500         30, 230           30, 230         30, 230           500, 230         30, 230           500         55.1           307.7         2</td> <td>24 25 24 24 gallon/strok ess. An IPa) (n IPa) (n IPa) 48 cuttings #1-#3 Cet running sed Re 90.7 3.9</td> <td>9 8 8 8 e @97% n. Vel. /min) c 5.50P 38 38</td> <td>15 15 15 MGJJ MGJJ Scier Telnitin Scier Coceae SLB SLB SLB SLB SLB SLB SLB SLB SLB SLB</td> <td>7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0</td> <td>1.1 1.1 224:00</td> <td>10.6         0.1           10.6         0.1           10.7         0.1           10.8         0.1           11         10.6           10.1         10.6           10.1         10.6           10.2         1           10.3         1</td> <td>117.000 0.22 117.000 0.22 117.000 0.22 Mud Mateniah Item Barite (Bulk) Caustic Soda Lime Soda Ash Caustic Soda Lignate NC Clean Lube VC Tel Clean UM Astex-S Deformer 300 Tell DD Bi-Carbonate Clirtic Acid Tan Cal C / M Telnite GXL Treat-HS</td> <td>sh DX/L/ v</td> <td>19.0 19.0 ard @24</td> <td>2.25 2.26 4:00hrs</td> <td>In 10 10</td> <td>Out         K+           8         21,900           20,900        </td> <td>0.46 0.49 (unit: k</td> <td>2.28 1.94 2.8 5100 378,00 475 1.277 1.277 1.277 1.277 525 4,500 4,500 4,600 4,600 4,600 4,600 1.000 2.277 10/1,022 884 9,200</td> <td>6.50 6.50 k b b b b b b b b b b b b b b b b b b</td> <td>0 m</td> <td>Heli Ini Fit. No. 1 Safety Incider LTA HUNS Remar</td> <td>(HSE) and the second se</td> <td>Hook + Hook bi Jar Rota Cutting : E ROV @ Status Last Div Injection on @24:00 vrrived</td> <td>RRT           ock           ating time 2:           0.00           skip @24:0           re           1 Skid             Time           Depa           Information           Last           Incident</td> <td>Total 0 F</td> <td>58.73 ull 0 Diving 1/18/19 e w/135 ge Pass Are.</td> <td>Total 54 al skid enger</td>	1.39         61           1.39         61           5.00         (h           500         2           500         2           500         2           500         30, 230           30, 230         30, 230           500, 230         30, 230           500         55.1           307.7         2	24 25 24 24 gallon/strok ess. An IPa) (n IPa) (n IPa) 48 cuttings #1-#3 Cet running sed Re 90.7 3.9	9 8 8 8 e @97% n. Vel. /min) c 5.50P 38 38	15 15 15 MGJJ MGJJ Scier Telnitin Scier Coceae SLB SLB SLB SLB SLB SLB SLB SLB SLB SLB	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.1 1.1 224:00	10.6         0.1           10.6         0.1           10.7         0.1           10.8         0.1           11         10.6           10.1         10.6           10.1         10.6           10.2         1           10.3         1	117.000 0.22 117.000 0.22 117.000 0.22 Mud Mateniah Item Barite (Bulk) Caustic Soda Lime Soda Ash Caustic Soda Lignate NC Clean Lube VC Tel Clean UM Astex-S Deformer 300 Tell DD Bi-Carbonate Clirtic Acid Tan Cal C / M Telnite GXL Treat-HS	sh DX/L/ v	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 2.8 5100 378,00 475 1.277 1.277 1.277 1.277 525 4,500 4,500 4,600 4,600 4,600 4,600 1.000 2.277 10/1,022 884 9,200	6.50 6.50 k b b b b b b b b b b b b b b b b b b	0 m	Heli Ini Fit. No. 1 Safety Incider LTA HUNS Remar	(HSE) and the second se	Hook + Hook bi Jar Rota Cutting : E ROV @ Status Last Div Injection on @24:00 vrrived	RRT           ock           ating time 2:           0.00           skip @24:0           re           1 Skid             Time           Depa           Information           Last           Incident	Total 0 F	58.73 ull 0 Diving 1/18/19 e w/135 ge Pass Are.	Total 54 al skid enger
No. Line 1 6"(B 2 3 6"(B Geologic I From Shale Sha No.1 No.2 No.3 Materials S II Fresh Wat Potable W Drill Water Fuel Lube, Oil Lube, Oil	14:00 14:P-220 er Size SI coster) 5 6" coster) 5 6" To To ker / Centrift, 30, 230 30, 230 30, 230 Stock on Boz tem er fater	(mBRT)         Pit           Pit         Pit           Pit         O           00         44           00         42           02         44           030         44           04         24400           05         1           06         1           07         1           08         1           09         1           00         1     <	1.39 61 1.39 61 1.39 61 5.00 PM P((K 50 50 1.00	24 25 24 24 gallon/strok ess. An (n (n (n (n (n (n)))) 48 (n) 48 (n))	9 8 8 8 8 8 e @97% n. Vel. / //min) c 5:5DP 38 38 2000 48.5 0.0 0.0 0.0	15 15 NGJJ MGJJ MWJJ Scierr Tetnitt Geos SLB SLB SLB SLB SLB SLB SLB SLB SLB SLB	Zerrew ke inneering Cement ke wulkervices Seismic Coment Wulkervices Seismic Coment Wulkervices Seismic Seismi	ing = = = = = = = = = = = = =	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           11         10           13         -           2         6           3         6           4         2           0         2           1         2           1         1           176         -	117.000 0.22 117.000 0.22 117.000 0.22 Mud Material Item Barite (Bulk) Caustic Soda Caustic Soda Caustic Potat Caustic Potat Causti	sh DX/L/ v	19.0 19.0 ard @24	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 378,00 2000 2000 2000 2000 2000 2000 2000	6.50 6.50 k 50 55 640 / 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 m	Heli Ini Heli Ini Fit. No. 1 2 3 4 4 Safety Incider HUNS Remar Hold si	(HSE) and (HSE) afety me	Hook + Hook bi Jar Rotk Cutting : E ROV @ Status Last Div Injection on @24:00	RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27	Total 0 F	58.73 ull 0 Diving 1/18/19 e w/135 ge Pass Are.	Total 54 al skid enger
No. Line 1 6"(B 2 3 6"(B Geologic I From Shale Sha No.1 No.2 No.3 Materials S II Fresh Wat Potable W Drill Water Fuel Lube, Oil	14:00 14:P-220 r Size Si cooster) 5 6" cooster) 5 6 6" cooster) 5 6 6" cooster) 5 6 6 6 6 7 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	(mBRT)         Pit           Pit         Pit           90         44           00         42           00         44           00																								
   | 1.39 61<br>1.39 61<br>5.00<br>PM Pi<br>(N<br>50<br>2<br>50<br>2<br>4<br>50<br>2<br>4<br>50<br>2<br>4<br>50<br>2<br>4<br>50<br>50<br>2<br>4<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50   | 24 25<br>24 24<br>allon/strokess. An<br>(n<br>Pa) (n<br>RPa) (n<br>.3<br>48<br>cuttings<br>#1-#3 Cet<br>running<br>sed Re<br>90.7<br>3.9<br>24.2<br>48.6<br>0.0  
   | 9 8 8<br>8 8 8<br>e @97%<br>n. Vel. /<br>//min)<br>c 5:50P<br>38<br>38  | 15<br>15<br>15<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:<br>CDE:   | r.0     7.0    
7.0     7.0     7.0     7.0     7.0     7.0     7.0     7.0     7   | ing<br>amer<br>@24:00  | 10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           11         10           101         16           13         1           2         6           3         6           4         2           2         0           2         1           1         1           176         3  | 117,000 0.22<br>117,000 0.22<br>Mud Material<br>Item<br>Barite (Bulk)<br>Caustic Soda<br>Caustic Soda<br>Caustic Soda<br>Caustic Potas<br>Tel-Polymer I<br>XCD-Polymer<br>Lignate NC<br>Clean Lube V<br>Tel Clean W<br>Astex-S<br>Deformer 300<br>Tel Clean W<br>Astex-S<br>Tel Clean W<br>Astex-S<br>Deformer 300<br>Tel Clean W<br>Astex-S<br>Deformer 300<br>Tel Clean W<br>Astex-S<br>Tel Clean W<br>Astex-S<br>Tel Clean W<br>Astex-S<br>Deformer 300<br>Tel Clean W<br>Astex-S<br>Deformer 300<br>Tel Clean W<br>Astex-S<br>Deformer 300<br>Tel Clean W<br>Astex-S<br>Deformer 300<br>Tel Clean W<br>Astex-S<br>Tel Sop P (7<br>Barolift<br>Driscal D<br>Tel Flow P  | sh DX/L/<br>v   | 19.0<br>19.0<br>19.0<br>19.0<br>H                         | 2.25<br>2.26<br>4:00hrs           | In<br>10<br>10     | Out         K+           8         21,900           20,900   | 0.46<br>0.49<br>(unit: k   |
2.28<br>1.94<br>Stoc<br>378,0,0<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>200   | 6.50<br>6.50<br>k<br>50<br>55<br>640 / 0<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5   | 0 m    | Heil Int<br>Fit.<br>No.<br>1<br>2<br>3<br>4<br>HUNS<br>Remar<br>Hold si<br>Marine<br>Heave   | (HSE) :<br>(HSE) :<br>tt<br>cards<br>ks<br>afety mo<br>information<br>(m)  | Hook +<br>Hook bi<br>Jar Rota<br>Cutting :<br>E<br>ROV @<br>Status<br>Last Div<br>Injection<br>on @24:00<br>vrrived   | RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27 | Total<br>0<br>F | 58.73<br>ull<br>0<br>Diving<br>1/18/19<br>e w/135 gi<br>Pass<br>Are.<br>No. LTA<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   
   | Total<br>54<br>al skid<br>enger<br>Dept.  |
No.         Line           1         6"(B           2         6"(B           3         6"(B           6         6"(B           0         0.0           No.3         1           No.3         1           No.4         No.3           1         Fresh Wat           Potable W         Drill Water           Drill Water         Fuel           Lube, Oil         Heil Fuel           Cement "C         Cement "C	14:00 14:P-220 r Size Si cooster) 5 6" cooster) 5 6 6" cooster) 5 6 6" cooster) 5 6 6 6 6 7 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	(mBRT)         Pit           Pit         Pit           Statistics         Pit           Interview         Pit <td>1.39 61 1.39 61 5.00 PM Pi (N 50 20 20 20 20 20 20 20 20 20 2</td> <td>24 25 24 2</td> <td>9 8 8 8 8 8 e @97% n. Vel. / //min) c 5.5°DP 38 38</td> <td>15 15 Perssec CDE: C</td> <td>r.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7</td> <td>amer 24:00 amer 224:00 amer 224:00 amer amer (1.39) (1.39) (1.39)</td> <td>10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         1.1           10.6         1.1           10.6         1.1           10.6         1.3           2         6           3         3           6         4           2         2           1         1           2         1           2         1           1         1.76</td> <td>117.000 0.22 117.000 0.22 117.000 0.22 Mud Material Item Barte (Bulk) Caustic Potas Tel-Polymer I XCD-Polymer I Caustic Potas Tel-Polymer I Lignate NC Clean Lube V Tel Clean W Astex-S Deformer 300 Tell DD Bi-Carbonate Citric Acid Tan Cal C / M Telnite GXL Treat-HS Mud Seal P / I Tel Spo P / C Barolift Driscal D</td> <td>Image: solution of the state of th</td> <td>19.0 19.0 19.0 19.0 H</td> <td>2.25 2.26 4:00hrs</td> <td>In 10 10</td> <td>Out         K+           8         21,900           20,900        </td> <td>0.46 0.49 (unit: k</td> <td>2.28 1.94 378,0 200 200 475 1,277 1,</td> <td>6.50 6.50 k 000 5 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>0 m</td> <td>Heli Int Fit. No. 1 2 3 4 Safety Incider LTA HUNS Remar Hold so</td> <td>(HSE) ; (HSE) ; tt cards ks afety m (m) deg)</td> <td>Hook + Hook bi Jar Rotk Cutting : E ROV @ Status Last Div Injection on @24:00</td> <td>RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27</td> <td>Total 0 F</td> <td>58.73 ull 0 Diving 1/18/19 e w/135 gr Are. No. LTA</td> <td>Total 54 enger Dept.</td>	1.39 61 1.39 61 5.00 PM Pi (N 50 20 20 20 20 20 20 20 20 20 2	24 25 24 2	9 8 8 8 8 8 e @97% n. Vel. / //min) c 5.5°DP 38 38	15 15 Perssec CDE: C	r.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	amer 24:00 amer 224:00 amer 224:00 amer amer (1.39) (1.39) (1.39)	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         1.1           10.6         1.1           10.6         1.1           10.6         1.3           2         6           3         3           6         4           2         2           1         1           2         1           2         1           1         1.76	117.000 0.22 117.000 0.22 117.000 0.22 Mud Material Item Barte (Bulk) Caustic Potas Tel-Polymer I XCD-Polymer I Caustic Potas Tel-Polymer I Lignate NC Clean Lube V Tel Clean W Astex-S Deformer 300 Tell DD Bi-Carbonate Citric Acid Tan Cal C / M Telnite GXL Treat-HS Mud Seal P / I Tel Spo P / C Barolift Driscal D	Image: solution of the state of th	19.0 19.0 19.0 19.0 H	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 378,0 200 200 475 1,277 1,	6.50 6.50 k 000 5 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	0 m	Heli Int Fit. No. 1 2 3 4 Safety Incider LTA HUNS Remar Hold so	(HSE) ; (HSE) ; tt cards ks afety m (m) deg)	Hook + Hook bi Jar Rotk Cutting : E ROV @ Status Last Div Injection on @24:00	RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27	Total 0 F	58.73 ull 0 Diving 1/18/19 e w/135 gr Are. No. LTA	Total 54 enger Dept.
No.         Line           1         6"(B           2         6"(B           3         6"(B           6         6"(B           0         0.0           No.3         1           No.3         1           No.4         No.3           1         Fresh Wat           Potable W         Drill Water           Drill Water         Fuel           Lube, Oil         Heil Fuel           Cement "C         Cement "C	14:00 14:P-220 ar Size Si cooster)  6" cooster)  6 6" cooster)  6 7 7 7 8 8 8 7 7 7 8 8 8 7 7 8 8 7 8 8 7 8 8 8 9 8 9	(mBRT)         Pit           Pit         Pit           Statistics         Pit           Interview         Pit <td>1.39         61           1.39         61           1.39         61           5.00         61           50         65           50         65           1.100         65           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61</td> <td>24         25           24         24           gallon/strok         (n           (n         (n           (n</td> <td>9 8 8 8 8 8 e @97% n. Vel. / ymin) c 5:50P 38 38 second 38 second 48.0 0.0 45.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0</td> <td>15 15 15 17 17 17 17 17 17 17 17 17 17 17 17 17</td> <td>T.0     T.0     T</td> <td>ing amer @24:00 #eer @24:00 ume (m (1.39) sseal) 1.33</td> <td>10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           11         10           12         6           3         6           4         2           0         2           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           33         428           198         35           35         47</td> <td>117,000 0.22 117,000 0.22 Mud Material Item Barite (Bulk) Caustic Soda Ash Caustic Soda Ash Caustic Soda Ash Caustic Potas Tel-Polymer I XCD-Polymer Lignate NC Ciean Lube V Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Tel Stop P / C Barolift Steel Seal 50 KCl</td> <td>Image: solution of the state of th</td> <td>H (lbs)</td> <td>2.25 2.26 4:00hrs</td> <td>In 10 10</td> <td>Out         K+           8         21,900           20,900        </td> <td>0.46 0.49 (unit: k</td> <td>2.28 1.94 378.00 1.2020 2000 4757 4.500 1.277 4.500 4.600 4.400 4.400 4.400 4.400 4.400 4.400 2.277 1.007 1.022 6.844 9.200 1.000 1.930 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6.50 6.50 k k 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>0 m</td> <td>Heil Int Fit. No. 1 2 3 4 HUNS Remar Hold si Marine Pitch ( Roll di</td> <td>(HSE) : (HSE) : (HSE) : t t t t t t t t t t t t t t t t t t t</td> <td>Hook + Hook bi Jar Rotk Cuting E Rov @ Status Last Div Injection on @24:00 wrrived</td> <td>RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27</td> <td>Total 0 F</td> <td>58.73 UII 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Total 54 al skid enger Dept. 2 2 2 1 1 90</td>	1.39         61           1.39         61           1.39         61           5.00         61           50         65           50         65           1.100         65           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61	24         25           24         24           gallon/strok         (n           (n	9 8 8 8 8 8 e @97% n. Vel. / ymin) c 5:50P 38 38 second 38 second 48.0 0.0 45.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	15 15 15 17 17 17 17 17 17 17 17 17 17 17 17 17	T.0     T	ing amer @24:00 #eer @24:00 ume (m (1.39) sseal) 1.33	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           11         10           12         6           3         6           4         2           0         2           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           33         428           198         35           35         47	117,000 0.22 117,000 0.22 Mud Material Item Barite (Bulk) Caustic Soda Ash Caustic Soda Ash Caustic Soda Ash Caustic Potas Tel-Polymer I XCD-Polymer Lignate NC Ciean Lube V Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Tel Clean W Astex-S Deformer 300 Tel Clean W Astex-S Tel Stop P / C Barolift Steel Seal 50 KCl	Image: solution of the state of th	H (lbs)	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 378.00 1.2020 2000 4757 4.500 1.277 4.500 4.600 4.400 4.400 4.400 4.400 4.400 4.400 2.277 1.007 1.022 6.844 9.200 1.000 1.930 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.50 6.50 k k 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	0 m	Heil Int Fit. No. 1 2 3 4 HUNS Remar Hold si Marine Pitch ( Roll di	(HSE) : (HSE) : (HSE) : t t t t t t t t t t t t t t t t t t t	Hook + Hook bi Jar Rotk Cuting E Rov @ Status Last Div Injection on @24:00 wrrived	RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27	Total 0 F	58.73 UII 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total 54 al skid enger Dept. 2 2 2 1 1 90
No. Line 1 6"(B 2 6"(B 2 6"(B 2 6"(B) 3 6"(B 6"(B) 4 6"(B) 4 6"(B) 4 6"(B) 4 6"(B) 5 6"(B) 5 6"(B) 6 7"(B) 5 6"(B) 6 7"(B) 5 6"(B) 6 7"(B) 5 6"(B) 6 7"(B) 5 6"(B) 6 7"(B) 5 6"(B) 5 6"(B)	14:00           14:P-220           rr Size         SI           coster)         5           6"         5           coster)         5           6"         5           information (information (infor	(mBRT)         Pit           Pit         Pit           Q0         44           Q24:00         Lite           Unit         Status           Chikyu         Chikyu	1.39         61           1.39         61           1.39         61           5.00         61           50         65           50         65           1.100         65           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61           1.100         61	24 25 24 24 gallon/strok ess. An (n 48 cuttings #1-#3 Cet running sed Re 90.7 3.9 24.2 48.6 0.0 24.1 0.0	9 8 8 8 8 8 e @97% n. Vel. / //min) c 5.5°DP 38 38 ceived 48.0 0.0 45.5 0.0 0.0 0.0 0.0 0.0	15 15 15 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	ing amer @24:00 == = = = = = = = = = = = = = = = = =	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           11         10           10.1         16           13         -           2         6           3         3           6         4           2         2           1         1           2         1           1         1           1         1           176         33           335         47           165         47	117,000 0.22 117,000 0.22 117,000 0.22 Mud Material Item Barite (Bulk) Caustic Potas Caustic Potas Tel-Polymer I XCD-Polymer I XCD-Polymer I Lignate NC Clean Lube V Tel Clean W Astex-S Deformer 300 Tel DD Bi-Carbonate Clift Acid Tan Cal C / M Tel Astex-S Deformer 300 Tel DD Bi-Carbonate Clift Acid Tan Cal C / M Tel Plug C 10 Bi-Carbonate Deformer 300 Tel Plug C 10 Plong P / C Barolift Diffical DD Pirical DD Tel Flow P Poro Seal Steel Seal Steel Seal Steel Seal Steel Seal Seal KCI NaCI Fracseal	Image: solution of the state of th	19.0 19.0 19.0 H H (lbs) (lbs) (lbs)	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 500 378,00 1,200 378,00 4757 5500 / 1, 2200 4,500 4,500 4,500 4,500 512 522 522 522 522 522 522 522	6.50 6.50 k 000 5 5 00 0 0 0 0 0 0 0 0 0 0 0 0	0 m	Heli Ini Fit. No. 1 Safety Incider HuNS Remar Hold si Marine Heave Pitch (i Roll (d) Vessel Riser T V.D. LC	(HSE) : (HSE) : tt cards ks afety m (m) deg) eg) Headin fension bad (tor	Hook + Hook bi Jar Rote Today Cuting : ROV @ Status Last Divi Injectior on @24:0 wrrived	RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27	Total 0 F	58.73 ull 0 Diving 1/1/8/19 Pass Are. No. LTA No. LTA 0 0 0 0 1/10 1/21 1/2	Total 54 al skid enger Dept.
No. Line 1 6"(B 2 6"(B 2 6"(B 2 6"(B 3 6"(B 6 clogic) 1 From Shale Sha No.1 No.2 No.3 Materials 3 Materials 3 Materials 3 Materials 4 Materials 4	14:00           14:P-220           er Size         SI           cooster)         §           6"	(mBRT)         Pit           Pit         Pit           O         C           Constant Stress         Pit           Mail Constant Stress         Pit           Mail Constant Stress         Pit           Mail Constant Stress         Pit           Constant Stress         Pit	1.39         61           1.39         61           1.39         61           5.00         9           PM         P((K)           50         2           50         2           30, 230         30, 230           30, 230         30, 230           50         5           50         2           50	24         25           24         24           gallon/strok         (n           (n	9 8 8 8 8 8 e @97% n. Vel. / ymin) c 5:50P 38 38 second 38 second 48.0 0.0 45.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	15 15 15 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	T.0     T	ing amer @24:00 == = = = = = = = = = = = = = = = = =	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           11         16           13         -           2         6           3         6           4         2           0         2           1         1           176         33           35         477           165         -	117.000 0.22 117.000 0.22 117.000 0.22 Mud Material Item Barite (Bulk) Caustic Soda Caustic Soda Caustic Potat Tel-Polymer I XCD-Polymer I XCD-Polymer I Clean Lube V Tel Clean W Astex-S Deformer 30C Tel Clean W Astex-S Deformer 30C Tel Clean W Astex-S Deformer 30C Tel Clean W Astex-S Deformer 30C Tel IDD Bi-Carbonate Citric Acid Trach I C/N Tel Sol P / C Barolift Driscal D Tel Flow P / C Barolift Driscal D Tel Flow P / C Steel Seal 50 KCI NaCl	0         0           0         0           0         0           1         0	19.0 19.0 19.0 H H (lbs)	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 Stoce 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 4.5000 4.5000 4.5000 4.5000 4.50	6.50 6.50 k k 5 5 6 5 6 5 6 5 6 5 6 6 7 6 7 7 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7	0 m	Heli Int Filt No. 1 2 3 4 HUNS Remar Hold si Marine Pitch ( Roll di Vessel Riser 1 V.D. Lo Max D	(HSE) ; (HSE) ; it cards ks afety m (m) deg) eg) Headir ension	Hook + Hook bi Jar Rote Today Cuting : ROV @ Status Last Divi Injectior on @24:0 wrrived	RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27	Total 0 F	58.73 UII 0 Diving Pass Are. No. LTA 0 0 0 0 0 0 0 0 0 0 0 0 0	Total 54 al skid enger Dept. 2 2 2 1 1 90 00.0 885 0
No. Line 1 6"(B 2 6"(B 2 6"(B 3 6"(B Geologic I) From From Shale Sha No.1 No.2 No.3 Materials 3 Materials 3 Materials 3 Materials 4 Materials 4	14:00           14:P-220           er Size         SI           cooster)         §           6"         ooster)           6"         To           kker / Centrift         30, 230           30, 230         30, 230           30, 230         Stock on Boz           term         er           atter                SWVC"         3"           mation @24:         ame           maru         uki           uki         maru	(mBRT)         Pit           Pit         Pit           Status         Chikyu           Chikyu         Shingu	1.39         61           1.39         61           1.39         61           5.00         9           PM         P((K)           50         2           50         2           30, 230         30, 230           30, 230         30, 230           50         5           50         2           50	24         25           24         24           gallon/strok         (n           (n         (n           48         (n           cuttings         (n           sed         Re           90.7         (n           3.9         24.2           48.6         0.0           0.0         24.1           0.0         (n           24.1         (n           0.0         (n	9 8 8 8 8 8 e @97% n. Vel. / //min) c 5.50P 38 atrifuge time ceived 48.0 0.0 45.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	15 15 15 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	ing amer @24:00 == = = = = = = = = = = = = = = = = =	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           11         10           12         6           6         3           6         4           2         0           2         1           1         176           33         428           198         355           477         165           47         13	117,000 0.22 117,000 0.22 117,000 0.22 Mud Material Item Barite (Bulk) Caustic Potas Caustic Potas Tel-Polymer I XCD-Polymer I XCD-Polymer I Lignate NC Clean Lube V Tel Clean W Astex-S Deformer 300 Tel DD Bi-Carbonate Clift Acid Tan Cal C / M Tel Plug C 10 Bi-Carbonate Clift Acid Tan Cal C / M Tel Plug C 10 Bi-Carbonate Bi-Carbonate Deformer 300 Tel DD Bi-Carbonate Diffical DD Bi-Carbonate Bi-Carbonate Stopseal Stopseal Bentonate(BL	0         0           0         0           0         0           1         0	19.0 19.0 19.0 H H (lbs) (lbs) (lbs)	2.25 2.26 4:00hrs	In 10 10	Out         K+           8         21,900           20,900	0.46 0.49 (unit: k	2.28 1.94 500 378,00 1,200 378,00 4,500 4,500 4,500 4,500 4,500 4,500 2,277 3,200 2,277 1,007 1,002 500 / 1, 1,000 500 / 500 / 1, 1,000 500 / 1,000 500 / 1	6.50 6.50 k k 5 5 6 5 6 5 6 5 6 5 6 6 7 6 7 7 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7	0 m	Heli Int Filt No. 1 2 3 4 HUNS Remar Hold si Marine Pitch ( Roll di Vessel Riser 1 V.D. Lo Max D	(HSE) i tt (HSE) i tt	Hook + Hook bi Jar Rote Today Cuting : ROV @ Status Last Divi Injectior on @24:0 wrrived	RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27	Total 0 F	58.73 UII 0 Diving Pass Are. No. LTA 0 0 0 0 0 0 1020 1000 128	Total 54 al skid enger Dept. 2 2 2 1 1 90 00.0 885 0
No. Line 1 6"(B 2 6"(B 2 6"(B 2 6"(B 3 6"(B 6 clogic) 1 From Shale Sha No.1 No.2 No.3 Materials 3 Materials 3 Materials 3 Materials 4 Materials 4	14:00           14:P-220           er Size         SI           cooster)         §           6"	(mBRT)         Pit           Pit         Pit           Status         Chikyu           Chikyu         Shingu	1.39         61           1.39         61           5.00         61           9         (h           50         2           30, 230         30, 230           30, 230         30, 230           30, 230         30, 230           97.0         253.1           97.0         97.0	24 25 24 2	9 8 8 8 8 8 e @97% n. Vel. / //min) c 5.50P 38 atrifuge time ceived 48.0 0.0 45.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	15 15 15 15 16 17 16 17 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	amer amer	10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           10.6         0.1           2         0           2         0           2         0           2         1           1         1           176         13           933         933	117,000         0.22           117,000         0.22           117,000         0.22           Item         Bartle (Bulk)           Caustic Soda         Soda Ash           Caustic Soda         Caustic Pota           VCD-Polymer L         Clean Lube V           Ignate NC         Clean Lube V           Tel-Polymer L         Clean Lube V           Tel Clean W         Astex-S           Deformer 300         Tell DD           Bi-Carbonate         Cliric Acid           Tan Cal C/I M         Telnite GXL           Treat-HS         Mud Seal P           Barolift         Deroro Seal           Stopseal         Stopseal           Stopseal         Stopseal           Wight (m) <sup>2</sup> W	a         b         b           b         b         c         c           b         b         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c           c         c         c         c         c         c           c         c         c         c         c         c         c           c         c         c         c         c         c         c         c           c         c         c         c         c         c         c         c	19.0 19.0 19.0 H H (lbs) (lbs) (lbs)	2.25 2.26 4:00hrs Receiv	In 10 10 	Out         K*           Out         8           8         21,900           20,900         20,900           Used         0	0.46 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49	2.28 1.94 1.94 1.92 2000 4.75 5.560 / 1, 6.550 / 1, 6.550 / 1, 6.550 / 1, 7.277 1.00 1.00 0.2.277 1.00 0.0	6.50 6.50 k 00 6.50	0 m	Heli Int Fit. No. 2 3 4 Safety Incider LTA Safety Incider Hold si Marine Heave Pitch ( Roll (d Vessel Riser 1 N.D. L( Max D Thrust	(HSE) : (HSE) : (HS	Hook + Hook bi Jar Roto Today Cuting : E ROV @ Status Last Div Last Div Last Div Last Div Last Div and other in ecting.	RRT           ock           ing time 2:           0.00           skip @24:0           mpty           54           24:00           re           a Skid           Time           Last           Incident           27	Total O F F Div	58.73 UII 0 Diving Pass Are. No. LTA 0 0 0 0 0 0 0 1/18/19 Pass Are. 1/10/19 Pass Are.	Total 54 al skid enger Dept. 2 2 2 1 1 90 00.0 885 0