

HALLIBURTON

iCem[®] Service

URSA RESOURCES GROUP II LLC-EBUS

United States of America, COLORADO

For: URSA

Date: Monday, December 17, 2018

Boies Ranch C-240 FED 31C-25-2-98 2 Stage Surface

API #: 05-103-12339

Sincerely,

Grand Junction Cement Engineering

2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Graph Label | Date | Time | Source | DS Pump Press (psi) | DH Density (ppg) | Comb Pump Rate (bbl/min) | Pump Stg Tot (bbl) | Comments |
|-------|----------|---------------------------------------|------------|----------|--------|------------------------|---------------------|-----------------------------|-----------------------|---|
| Event | 1 | Call Out | 12/16/2018 | 18:30:00 | USER | | | | | TOOL HAND CALLED OUT AT 13:00. REQUESTED ON LOCATION AT 17:30. CEMENT CREW CALLED OUT TO CYCLONE 17 FOR URSA MULTI STAGE SURFACE JOB. REQUESTED ON LOCATION AT 01:30. |
| Event | 2 | Pre-Convoy Safety Meeting | 12/16/2018 | 19:45:00 | USER | | | | | WITH ALL HES PERSONNEL |
| Event | 3 | Crew Leave Yard | 12/16/2018 | 20:00:00 | USER | | | | | |
| Event | 4 | Arrive at Location | 12/16/2018 | 22:30:00 | USER | | | | | RIG WAS RUNNING CASING UPON HES ARRIVAL |
| Event | 5 | Assessment of Location Safety Meeting | 12/16/2018 | 22:35:00 | USER | | | | | WITH ALL HES PERSONNEL |
| Event | 6 | Spot Equipment | 12/16/2018 | 22:40:00 | USER | | | | | SPOT EQUIPMENT |
| Event | 7 | Pre-Rig Up Safety Meeting | 12/16/2018 | 22:50:00 | USER | | | | | WITH ALL HES PERSONNEL |
| Event | 8 | Rig-Up Equipment | 12/16/2018 | 23:00:00 | USER | | | | | 1-RCM ELITE PUMP TRUCK, 1-660 FT3 BULK TRUCK, 2- 1,200 FT3 SILOS, 1-PICKUP |
| Event | 9 | Rig-Up Completed | 12/17/2018 | 00:00:00 | USER | | | | | RIG UP COMPLETED. WAIT FOR RIG TO FINISH RUNNING CASING. |
| Event | 10 | Pre-Job Safety Meeting | 12/17/2018 | 04:15:00 | USER | 27.00 | 0.00 | 0.00 | 0.00 | WITH ALL PERSONNEL ON LOCATION |
| Event | 11 | Check Weght | 12/17/2018 | 04:50:00 | USER | -1.00 | 0.00 | 0.00 | 0.00 | PRESSURIZED MUD SCALES CALIBRATED ON FRESH WATER PRIOR TO JOB. ALL FLUID DENSITIES VERIFIED WITH PRESSURIZED MUD SCALES THROUGHOUT JOB. |
| Event | 12 | Start Job | 12/17/2018 | 04:57:00 | USER | 0.00 | 8.20 | 0.00 | 13.60 | |
| Event | 13 | Pump Water | 12/17/2018 | 04:59:00 | USER | 0.00 | 8.16 | 0.00 | 0.00 | PUMP 2 BBL H2O AHEAD TO PRIME LINES. |

| | | | | | | | | | | |
|-------------------------------|----|-------------------------|------------|----------|------|---------|-------|------|--------|---|
| PUMPED AT 2 BPM WITH 150 PSI. | | | | | | | | | | |
| Event | 14 | Shutdown | 12/17/2018 | 05:00:30 | USER | 177.00 | 8.30 | 0.00 | 1.50 | SHUTDOWN TO LINE OUT VALVES ON MANIFOLD FOR PRESSURE TEST |
| Event | 15 | Pressure Test | 12/17/2018 | 05:03:00 | USER | 3752.00 | 8.30 | 0.00 | 1.50 | SET KICKOUTS TO 500 PSI FOR LOW TEST TO ENSURE KICKOUTS ARE FUNCTIONING PROPERLY. BROUGHT PRESSURE UP TO 3,775 PSI FOR HIGH TEST. |
| Event | 16 | Pump Dyed Spacer | 12/17/2018 | 05:07:15 | USER | 169.00 | 8.33 | 1.80 | 0.40 | PUMP 20 BBL RED DYE H2O SPACER. PUMPED AT 4 BPM WITH 185 PSI. USED 2 LBS RED DYE FOR SPACER |
| Event | 17 | Pump Cement | 12/17/2018 | 05:15:04 | USER | 194.00 | 12.22 | 4.00 | 19.80 | PUMP 186.4 BBL VERSACEM CEMENT. 534 SKS AT 12.5 PPG, 1.96 FT3/SK, 10.18 GAL/SK. PUMPED AT 8 BPM WITH 480 PSI |
| Event | 18 | Shutdown | 12/17/2018 | 05:40:30 | USER | 71.00 | 5.47 | 0.10 | 188.70 | SHUTDOWN TO DROP SHUTOFF PLUG. |
| Event | 19 | Drop Shutoff Plug | 12/17/2018 | 05:45:00 | USER | 19.00 | 0.12 | 0.20 | 0.70 | REMOVE PLUG CONTAINER CAP TO DROP HES SHUTOFF PLUG. PLUG LAUNCHED. WITNESSED BY CUSTOMER REP. |
| Event | 20 | Pump Displacement | 12/17/2018 | 05:48:16 | USER | 20.00 | 0.12 | 1.50 | 0.40 | PUMP 130 BBL H2O DISPLACEMENT TO DISPLACE BELOW TOOL AT 8 BPM WITH 250 PSI. |
| Event | 21 | Slow Rate | 12/17/2018 | 06:10:39 | USER | 180.00 | 8.45 | 7.20 | 129.00 | SLOW RATE AT 130 BBL DISPLACEMENT AWAY DUE TO MUD DELIVERY ISSUES. ONCE MUD WAS BEING DELIVERED TO TRUCK, RESUMED PUMPING AT 4 BPM TO PASS PLUG THROUGH STAGE TOOL. |
| Event | 22 | Resume Rate | 12/17/2018 | 06:26:16 | USER | 242.00 | 9.28 | 4.10 | 169.50 | RESUME PUMPING 125.7 WBM DISPLACEMENT AT 8 BPM WITH 860 PSI. |
| Event | 23 | Slow Rate | 12/17/2018 | 06:38:19 | USER | 563.00 | 9.63 | 2.80 | 259.30 | SLOW RATE TO 2 BPM 20 BBL PRIOR TO CALCULATED DISPLACEMENT TO BUMP PLUG. |
| Event | 24 | Bump Plug | 12/17/2018 | 06:46:45 | USER | 881.00 | 9.62 | 1.90 | 275.20 | PLUG BUMPED AT 2 BPM. FCP-590 PSI. BROUGHT PRESSURE UP TO 1,120 PSI. TOTAL DISPLACEMENT 275.7 BBL. |
| Event | 25 | Check Floats | 12/17/2018 | 06:48:00 | USER | 340.00 | 9.60 | 0.00 | 275.30 | FLOATS HOLDING. RETURNED 1 BBL FLUID TO TRUCK |
| Event | 26 | Drop Opening Device For | 12/17/2018 | 06:52:00 | USER | 17.00 | 9.58 | 0.00 | 0.00 | REMOVE PLUG CONTAINER CAP TO DROP MSC |

| Multiple Stage Cementer | | | | | | | | | | OPENING DEVICE. |
|-------------------------|----|------------------------------|------------|----------|------|---------|-------|------|--------|---|
| Event | 27 | Open Multiple Stage Cementer | 12/17/2018 | 07:08:00 | USER | 300.00 | 9.68 | 1.50 | 0.50 | PRESSURE UP TO 390 PSI TO OPEN STAGE TOOL. ONCE TOOL WAS OPENED, HES PUMPED 10 BBL WBM AT 3.5 BPM WITH 300 PSI TO ENSURE TOOL WAS OPEN. |
| Event | 28 | Rig Circulate Well | 12/17/2018 | 07:14:00 | USER | 21.00 | 9.55 | 0.00 | 12.70 | TURN OVER TO RIG TO CIRCULATE WELL. RIG CIRCULATE AT 8 BPM. CIRCULATED 64 BBL CEMENT OFF TOP OF TOOL. |
| Event | 29 | Pump Water | 12/17/2018 | 10:50:00 | USER | 87.00 | 7.94 | 0.20 | 0.00 | PUMP 2 BBL H2O TO PRIME LINES FOR SECOND STAGE. PUMPED AT 2 BPM WITH 100 PSI. |
| Event | 30 | Shutdown | 12/17/2018 | 10:50:44 | USER | 133.00 | 8.39 | 1.40 | 1.30 | SHUTDOWN TO LINE OUT VALVES ON MANIFOLD FOR PRESSURE TEST. |
| Event | 31 | Pressure Test | 12/17/2018 | 10:54:00 | USER | 3500.00 | 8.40 | 0.00 | 0.00 | SET KICKOUTS TO 500 PSI FOR LOW TEST TO ENSURE KICKOUTS ARE FUNCTIONING PROPERLY. BROUGHT PRESSURE UP TO 3,520 PSI FOR HIGH TEST. |
| Event | 32 | Pump Spacer | 12/17/2018 | 10:57:30 | USER | 55.00 | 8.31 | 0.00 | 0.00 | PUMP 20 BBL RED DYE H2O SPACER. PUMPED AT 4 BPM WITH 100 PSI. USED 4 LBS RED DYE FOR SPACER. |
| Event | 33 | Pump Cement | 12/17/2018 | 11:04:32 | USER | 184.00 | 12.24 | 4.10 | 0.10 | PUMP 236.1 BBL VARICEM GJ5 CEMENT. 541 SKS AT 12.3 PPG, 2.45 FT3/SK, 14.18 GAL/SK. PUMPED AT 8 BPM WITH 450 PSI. |
| Event | 34 | Shutdown | 12/17/2018 | 11:35:16 | USER | 167.00 | 12.27 | 4.90 | 239.40 | SHUTDOWN TO FIX LEAK ON IRON. LEAK WAS FIXED AND HES PROCEEDED WITH JOB. |
| Event | 35 | Shutdown | 12/17/2018 | 11:38:51 | USER | 98.00 | 13.94 | 0.00 | 253.70 | SHUTDOWN TO DROP CLOSING DEVICE. |
| Event | 36 | Drop Closing Device | 12/17/2018 | 11:44:00 | USER | 19.00 | 13.09 | 0.00 | 0.00 | REMOVE PLUG CONTAINER CAP TO DROP MSC CLOSING DEVICE. CLOSING DEVICE LAUNCHED. WITNESSED BY CUSTOMER REP. |
| Event | 37 | Pump Displacement | 12/17/2018 | 11:45:55 | USER | 20.00 | 13.12 | 0.00 | 0.00 | PUMP 145.6 BBL H2O DISPLACEMENT. PUMPED AT 8 BPM WITH 600 PSI. |
| Event | 38 | Shutdown | 12/17/2018 | 11:52:06 | USER | 123.00 | 8.35 | 0.00 | 34.30 | SHUTDOWN DUE TO PLUG CONTAINER LEAKING. LEAK WAS FIXED AND HES PROCEEDED WITH JOB. |
| Event | 39 | Slow Rate | 12/17/2018 | 12:07:48 | USER | 556.00 | 8.46 | 5.70 | 150.50 | SLOW RATE TO 2 BPM 10 BBL PRIOR TO |

| CALCULATED DISPLACEMENT TO BUMP PLUG. | | | | | | | | | | |
|---------------------------------------|----|-------------------------------|------------|----------|------|---------|------|------|--------|---|
| Event | 40 | Close Multiple Stage Cementer | 12/17/2018 | 12:13:27 | USER | 1181.00 | 8.41 | 1.90 | 161.50 | BUMP CLOSING DEVICE AT 2 BPM. FCP-600 PSI. BROUGHT PRESSURE UP TO 1,600 PSI TO CLOSE TOOL. TOTAL DISPLACEMENT-155.6 BBL |
| Event | 41 | Release Casing Pressure | 12/17/2018 | 12:15:30 | USER | 1417.00 | 8.39 | 0.00 | 161.70 | RELEASE CASING PRESSURE TO ENSURE TOOL IS CLOSED. RETURNED 1 BBL FLUID TO TRUCK. |
| Event | 42 | End Job | 12/17/2018 | 12:17:00 | USER | 36.00 | 8.36 | 0.00 | 161.70 | PIPE WAS STATIC DURING JOB. GOOD CIRCULATION THROUGHOUT JOB. |
| Event | 43 | Pre-Rig Down Safety Meeting | 12/17/2018 | 12:20:00 | USER | 26.00 | 8.33 | 0.00 | 0.00 | WITH ALL HES PERSONNEL |
| Event | 44 | Rig-Down Equipment | 12/17/2018 | 12:25:00 | USER | 9.00 | 8.32 | 0.00 | 0.00 | |
| Event | 45 | Rig-Down Completed | 12/17/2018 | 13:20:00 | USER | | | | | |
| Event | 46 | Pre-Convoy Safety Meeting | 12/17/2018 | 13:25:00 | USER | | | | | WITH ALL HES PERSONNEL |
| Event | 47 | Crew Leave Location | 12/17/2018 | 13:30:00 | USER | | | | | |
| Event | 48 | Well Info | 12/17/2018 | 13:31:00 | USER | | | | | TD-3,630', TP-3,610', SHOE-43', HOLE 13 1/2", MUD-9.3 PPG WBM, CSG-9 5/8" 36 LB/FT J-55, TOOL SET AT 2,013', 33 CENTRALIZERS USED. |
| Event | 49 | Rig Info | 12/17/2018 | 13:32:00 | USER | | | | | RIG ON BOTTOM AT 01:30, CIRCULATED AT 8 BPM WITH 205 PSI, 1,200 BBL CIRCULATED, LOST 400 BBL MUD ONCE ON BOTTOM. |
| Event | 50 | Job Info | 12/17/2018 | 13:33:00 | USER | | | | | CIRCULATED 64 BBL CEMENT OFF TOP OF TOOL AFTER FIRST STAGE. RETURNED 80 BBL CEMENT TO SURFACE ON SECOND STAGE. NO SUGAR WAS USED FOR JOB. USED 6 LBS RED DYE FOR JOB. |
| Event | 51 | Comment | 12/17/2018 | 13:34:00 | USER | | | | | THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JEREMY YOUNG AND CREW. |