

HALLIBURTON

iCem[®] Service

URSA RESOURCES GROUP II LLC

United States of America, COLORADO

For: Ursa

Date: Tuesday, November 20, 2018

Boies Ranch 23C-19-2-97 Surface

API#05-103-12304

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

| Type | Seq. No. | Graph Label | Date | Time | Source | DS Pump Press <i>(psi)</i> | DH Density <i>(ppg)</i> | Comb Pump Rate <i>(bbl/min)</i> | Pump Stg Tot <i>(bbl)</i> | Comments |
|-------|----------|---------------------|------------|----------|--------|-------------------------------|----------------------------|------------------------------------|------------------------------|--|
| Event | 1 | Call Out | 11/19/2018 | 16:00:00 | USER | | | | | |
| Event | 2 | Pre Journey | 11/19/2018 | 19:40:00 | USER | | | | | Discuss all travel related safety issues with crew |
| Event | 3 | Leave Yard | 11/19/2018 | 20:00:00 | USER | | | | | |
| Event | 4 | Arrive at Job | 11/20/2018 | 06:30:00 | USER | | | | | Meet with customer Richard McNeil and get numbers. 9.625" 36 lb casing set at 3542', 13.5" hole at 3560', 9.3 ppg WBM in the hole, 18" 17" ID Conductor set at 81', 42' Shoe Joint. 2 Stage Tool set at 1860'. Rig circulated for 45 min at 10 bbls/min with 300-400 psi for a total of 450 bbls circulated. Mud properties: PV 11@120, YP 11, Gels 4/14/21. Water Test: pH 7.0, Temp 60, Cl <200. Rig was running casing when we arrived on location. |
| Event | 5 | Site Assement | 11/20/2018 | 06:35:00 | USER | | | | | Identify and discuss all hazards with the crew |
| Event | 6 | Spot Equipment | 11/20/2018 | 06:50:00 | USER | | | | | Use spotters and radios |
| Event | 7 | Pre Rig Up | 11/20/2018 | 07:00:00 | USER | | | | | Discuss all rig up related safety issues with crew |
| Event | 8 | Rig Up | 11/20/2018 | 07:10:00 | USER | | | | | |
| Event | 9 | Pre Job 1st Stage | 11/20/2018 | 11:30:00 | USER | | | | | Discuss all job related safety issues and pump schedule with customer, crew, and rig crew. |
| Event | 10 | Start Job 1st Stage | 11/20/2018 | 12:37:00 | USER | 32.00 | 8.52 | 0.00 | 0.40 | |
| Event | 11 | Fill Lines | 11/20/2018 | 12:37:18 | USER | 43.00 | 8.52 | 1.60 | 0.50 | 5 bbls water |
| Event | 12 | Pressure Test | 11/20/2018 | 12:41:26 | USER | 3176.00 | 8.43 | 0.00 | 5.00 | Low and high pressure tests |
| Event | 13 | Water Spacer | 11/20/2018 | 12:45:00 | USER | 97.00 | 8.34 | 0.60 | 0.00 | 20 bbls |
| Event | 14 | Check Weight | 11/20/2018 | 12:49:52 | COM4 | 324.00 | 8.34 | 2.50 | 12.10 | |
| Event | 15 | Pump Cement | 11/20/2018 | 12:52:33 | USER | 383.00 | 8.93 | 4.00 | 19.70 | 210 bbls cement 12.5 ppg, 1.96 cuft/sk, 10.18 gal/sk 600 sks. 146 bbls water needed. |

| | | | | | | | | | | |
|-------|----|---------------------------------|------------|----------|------|---------|-------|------|--------|---|
| Event | 16 | Shutdown | 11/20/2018 | 13:33:52 | USER | 41.00 | 11.54 | 0.00 | 211.40 | Shutdown to drop plug |
| Event | 17 | Clean Lines | 11/20/2018 | 13:34:27 | USER | 6.00 | 11.92 | 0.00 | 211.40 | Wash up on top of the plug. |
| Event | 18 | Drop 1st Stage Dart | 11/20/2018 | 13:37:22 | USER | 12.00 | 12.31 | 0.00 | 211.40 | Customer to witness and verify. Use plunger to ensure plug is away. |
| Event | 19 | Pump Displacement | 11/20/2018 | 13:38:05 | USER | 15.00 | 12.15 | 1.70 | 0.10 | 270 bbls WBM 9.3 ppg |
| Event | 20 | Slow Rate for Dart through Tool | 11/20/2018 | 13:52:33 | USER | 227.00 | 9.40 | 4.40 | 110.90 | |
| Event | 21 | Slow Rate | 11/20/2018 | 14:09:09 | USER | 441.00 | 9.35 | 3.00 | 259.50 | Last 10 bbls |
| Event | 22 | Bump Plug | 11/20/2018 | 14:12:00 | USER | 461.00 | 9.36 | 3.00 | 268.10 | 568 psi. 1503 psi to lift pipe. |
| Event | 23 | Check Floats | 11/20/2018 | 14:13:21 | USER | 977.00 | 9.37 | 0.00 | 0.00 | Floats held. 1 bbl back |
| Event | 24 | Drop Opening Plug | 11/20/2018 | 14:20:00 | USER | 7.00 | 9.35 | 0.00 | 0.00 | Customer to witness and verify. Use plunger to ensure plug is away. Wait 15 min for plug to fall. |
| Event | 25 | Open Multiple Stage Cementer | 11/20/2018 | 14:35:11 | USER | 328.00 | 9.35 | 1.00 | 0.30 | 860 psi to open. |
| Event | 26 | Clear Ports | 11/20/2018 | 14:36:00 | USER | 94.00 | 9.27 | 1.00 | 1.20 | Pump 10 bbls to clear ports, then turn over to the rig to circulate for 4 hours. |
| Event | 27 | Cement Returns to Surface | 11/20/2018 | 14:47:00 | USER | 8.00 | 8.35 | 0.00 | 0.00 | 50 bbls cement to surface with rig circulating. Rig to circulate until 18:15, then start 2nd Stage, |
| Event | 28 | Pre Job 2nd Stage | 11/20/2018 | 18:15:00 | USER | -2.00 | 8.36 | 0.00 | 9.90 | Discuss all job related safety issues and pump schedule with customer, crew, and rig crew. |
| Event | 29 | Start Job 2nd Stage | 11/20/2018 | 18:29:30 | USER | 36.00 | 8.39 | 0.00 | 0.00 | |
| Event | 30 | Fill Lines | 11/20/2018 | 18:29:50 | USER | 11.00 | 8.36 | 0.90 | 0.00 | 5 bbls water |
| Event | 31 | Pressure Test | 11/20/2018 | 18:32:00 | USER | 3236.00 | 8.42 | 0.00 | 0.30 | Low and high pressure tests |
| Event | 32 | Water Spacer | 11/20/2018 | 18:33:00 | USER | 9.00 | 8.33 | 0.00 | 0.30 | 20 bbls |
| Event | 33 | Check Weight | 11/20/2018 | 18:38:16 | COM4 | | | | | |
| Event | 34 | Pump Cement | 11/20/2018 | 18:40:44 | USER | 133.00 | 12.15 | 4.00 | 0.20 | 249 bbls cement 12.3 ppg, 2.45 cuft/sk, 14.18 gal/sk 570 sks. 193 bbls water needed. |
| Event | 35 | Shutdown | 11/20/2018 | 19:03:41 | USER | 15.00 | 11.58 | 0.00 | 154.20 | Bulk issues. Had to shutdown and fix the delivery issue. |

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|-------|----|-----------------------------|------------|----------|------|--------|------|------|--------|---|
| Event | 36 | Shutdown | 11/20/2018 | 19:30:44 | USER | 55.00 | 9.90 | 0.00 | 279.40 | Shutdown to drop plug |
| Event | 37 | Clean Lines | 11/20/2018 | 19:31:05 | USER | 19.00 | 7.85 | 0.00 | 279.40 | Wash up on top of the plug. |
| Event | 38 | Drop 2nd Stage Closing Plug | 11/20/2018 | 19:34:48 | USER | 14.00 | 0.56 | 0.00 | 279.40 | Customer to witness and verify. Use plunger to ensure plug is away. |
| Event | 39 | Pump Displacement | 11/20/2018 | 19:35:31 | USER | 21.00 | 0.04 | 2.40 | 0.30 | 144 bbls WBM 9.3 ppg |
| Event | 40 | Slow Rate | 11/20/2018 | 19:53:25 | USER | 420.00 | 8.41 | 4.00 | 134.50 | Last 10 bbls |
| Event | 41 | Shut Tool | 11/20/2018 | 19:55:25 | USER | 413.00 | 8.40 | 4.00 | 142.50 | 610 psi to close tool. |
| Event | 42 | Check for Flow | 11/20/2018 | 19:57:00 | USER | 830.00 | 8.41 | 0.00 | 0.00 | Sleeve on tool is closed. 2.5 bbls back |
| Event | 43 | Cement Returns to Surface | 11/20/2018 | 19:58:00 | USER | 1.00 | 8.38 | 0.00 | 0.00 | 80 bbls cement to surface. |
| Event | 44 | Pre Rig Down | 11/20/2018 | 20:00:00 | USER | -1.00 | 8.37 | 0.00 | 0.00 | Discuss all rig down related safety issues with crew |
| Event | 45 | Rig Down | 11/20/2018 | 20:10:00 | USER | -2.00 | 8.39 | 0.00 | 21.30 | |
| Event | 46 | Pre Journey | 11/20/2018 | 21:40:00 | USER | | | | | Discuss all travel related safety issues with crew |
| Event | 47 | Items to return | 11/20/2018 | 21:41:00 | USER | | | | | 100 lbs sugar. |
| Event | 48 | Total Fluid Volumes | 11/20/2018 | 21:42:00 | USER | | | | | 1st Stage - Spacer: 20 Lead: 210 Displacement: 270 2nd Stage - Spacer: 20 Lead: 249 Displacement: 144 |
| Event | 49 | Crew Leave Location | 11/20/2018 | 22:00:00 | USER | | | | | Thank you for your business! Benjamin Fuchs and Crew. |