

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

Date: Friday, August 19, 2016

Winder South #3

Surface

Job Date: Saturday, August 13, 2016

Sincerely,
Lauren Roberts

Legal Notice

Warning Disclaimer

Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

Limitations of Liability

Except as expressly set forth herein, there are no representations or warranties by Halliburton, express or implied, including implied warranties of merchantability and/or fitness for a particular purpose. In no event will Halliburton or its suppliers be liable for consequential, incidental, special, punitive or exemplary damages (including, without limitation, loss of data, profits, use of hardware, or software). Customer accepts full responsibility for any investment made based on results from the Software. Any interpretations, analyses or modeling of any data, including, but not limited to Customer data, and any recommendation or decisions based upon such interpretations, analyses or modeling are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional may differ. Accordingly, Halliburton cannot and does not warrant the accuracy, correctness or completeness of any such interpretation, recommendation, modeling or other products of the Software Product. As such, any interpretation, recommendation or modeling resulting from the Software for the purpose of any drilling, well treatment, production or financial decision will be at the sole risk of Customer. Under no circumstances will Halliburton or its suppliers be liable for any damages.

Table of Contents

1.0 Cementing Job Summary 4

 1.1 Executive Summary4

2.0 Real-Time Job Summary 7

 2.1 Job Event Log7

3.0 Attachments..... 10

 3.1 Case 1-Custom Results events .png10

 3.2 Case 1-Custom Results no events.png11

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Winder South #3** cement **Surface** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

26 bbl. of cement returned to surface.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton [Ft. Lupton]

HALLIBURTON

Cementing Job Summary*The Road to Excellence Starts with Safety*

| | | | | | | | | | | |
|--|---------------------|--------------------------------------|---------------------------|---------------|------------------------|----------------|---------------|--------------|---------------------|---------------|
| Sold To #: 369404 | Ship To #: 3749843 | Quote #: | Sales Order #: 0903476188 | | | | | | | |
| Customer: EXTRACTION OIL & GAS - | | Customer Rep: Todd Stephens | | | | | | | | |
| Well Name: WINDER SOUTH | Well #: 3 | API/UWI #: 05-123-43408-00 | | | | | | | | |
| Field: WATTENBERG | City (SAP): WINDSOR | County/Parish: WELD | State: COLORADO | | | | | | | |
| Legal Description: SE NE-9-6N-67W-2306FNL-488FEL | | | | | | | | | | |
| Contractor: White Mtn | | Rig/Platform Name/Num: White MTN 272 | | | | | | | | |
| Job BOM: 7521 | | | | | | | | | | |
| Well Type: HORIZONTAL OIL | | | | | | | | | | |
| Sales Person: HALAMERICA\HB71271 | | Srv Supervisor: Brandon Parker | | | | | | | | |
| Job | | | | | | | | | | |
| Formation Name | | | | | | | | | | |
| Formation Depth (MD) | Top | Bottom | | | | | | | | |
| Form Type | | BHST | | | | | | | | |
| Job depth MD | 1558ft | Job Depth TVD | | | | | | | | |
| Water Depth | | Wk Ht Above Floor | 4 | | | | | | | |
| Perforation Depth (MD) | From | To | | | | | | | | |
| Well Data | | | | | | | | | | |
| Description | New / Used | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
| Casing | | 9.625 | 8.921 | 36 | | | 0 | 1558 | 0 | 1553 |
| Open Hole Section | | | 13.5 | | | | 0 | 15581 | 0 | 1553 |
| Tools and Accessories | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | | Type | Size in | Qty | Make | |
| Guide Shoe | 9.625 | 1 | weatherford | 1555 | | Top Plug | 9.625 | 1 | weatherford | |
| Float Shoe | 9.625 | | | | | Bottom Plug | 9.625 | | HES | |
| Float Collar | 9.625 | 1 | weatherford | 1514 | | SSR plug set | 9.625 | | HES | |
| Insert Float | 9.625 | | | | | Plug Container | 9.625 | 1 | HES | |
| Stage Tool | 9.625 | | | | | Centralizers | 9.625 | 18 | weatherford | |
| Fluid Data | | | | | | | | | | |
| Stage/Plug #: 1 | | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | |
| 1 | Fresh Water | Fresh Water/Red Dye | 10 | bbl | 8.33 | | | 4 | | |
| | | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | |
| 2 | SwiftCem | SWIFTCM (TM) SYSTEM | 175bbl | 565sack | 13.5 | 1.74 | | 6 | 9.19 | |
| 9.19 Gal | | FRESH WATER | | | | | | | | |

last updated on 8/14/2016 9:13:45 AM

Page 1 of 2

iCem® Service

(v. 4.2.393)

Created: Friday, August 19, 2016

HALLIBURTON

Cementing Job Summary

| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---------------------------------|--------|------------|---------------------------|-------------------|------------------|-----------------|---------------------------|---------------------|--------|-------|--------|------------|------------------|----------------------------|---------------------------------|--|--|------------------------------|---|-----------------------------|--|--|---------------------|-----------------------------|---------------------|--|--|---------------------------|----------------------------------|-------------------------------|--|--|---------|--|--|--|--|
| 3 | Displacement | Drill Water Displacement | 0 | bbl | 8.90 | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Cement Left In Pipe</td> <td>Amount</td> <td>44 ft</td> <td>Reason</td> <td>Shoe Joint</td> </tr> <tr> <td>Mix Water: pH ##</td> <td>Mix Water Chloride: ## ppm</td> <td>Mix Water Temperature: ## °F °C</td> <td colspan="2"></td> </tr> <tr> <td>Cement Temperature: ## °F °C</td> <td>Plug Displaced by: ## lb/gal kg/m3 XXXX</td> <td>Disp. Temperature: ## °F °C</td> <td colspan="2"></td> </tr> <tr> <td>Plug Bumped? Yes/No</td> <td>Bump Pressure: #### psi MPa</td> <td>Floats Held? Yes/No</td> <td colspan="2"></td> </tr> <tr> <td>Cement Returns: ## bbl m3</td> <td>Returns Density: ## lb/gal kg/m3</td> <td>Returns Temperature: ## °F °C</td> <td colspan="2"></td> </tr> <tr> <td colspan="5">Comment</td> </tr> </table> | | | | | | | | | | Cement Left In Pipe | Amount | 44 ft | Reason | Shoe Joint | Mix Water: pH ## | Mix Water Chloride: ## ppm | Mix Water Temperature: ## °F °C | | | Cement Temperature: ## °F °C | Plug Displaced by: ## lb/gal kg/m3 XXXX | Disp. Temperature: ## °F °C | | | Plug Bumped? Yes/No | Bump Pressure: #### psi MPa | Floats Held? Yes/No | | | Cement Returns: ## bbl m3 | Returns Density: ## lb/gal kg/m3 | Returns Temperature: ## °F °C | | | Comment | | | | |
| Cement Left In Pipe | Amount | 44 ft | Reason | Shoe Joint | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mix Water: pH ## | Mix Water Chloride: ## ppm | Mix Water Temperature: ## °F °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cement Temperature: ## °F °C | Plug Displaced by: ## lb/gal kg/m3 XXXX | Disp. Temperature: ## °F °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plug Bumped? Yes/No | Bump Pressure: #### psi MPa | Floats Held? Yes/No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cement Returns: ## bbl m3 | Returns Density: ## lb/gal kg/m3 | Returns Temperature: ## °F °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | Pass-Side Pump Pressure (psi) | Downhole Density (ppg) | Combined Pump Rate (bbl/min) | Comments |
|-------|----------|---|---|-----------|----------|--------|-------------------------------|------------------------|------------------------------|---|
| Event | 1 | Call Out | Call Out | 8/13/2016 | 16:00:00 | USER | | | | crew called out to 9.625 surface pipe, 1 red tiger, 2 660 job trailers loaded with 565sks of swiftcem cmt. |
| Event | 2 | Pre-Convoy Safety Meeting | Pre-Convoy Safety Meeting | 8/13/2016 | 18:00:00 | USER | | | | meeting with all HES personnel to discuss route of travel, safety/hazards associated with driving to location. |
| Event | 3 | Arrive at Location from Other Job or Site | Arrive at Location from Other Job or Site | 8/13/2016 | 19:30:00 | USER | | | | met with Extraction company rep Todd Stephens and went over job numbers, water needed for job and iron placement for job in hand. |
| Event | 4 | Assessment Of Location Safety Meeting | Assessment Of Location Safety Meeting | 8/13/2016 | 19:33:00 | USER | | | | water 77, sul <200, chlo 0, iron 0, ph 7, tp 1558, sj 44ft, fc 1514, 13.5" oh, 9.625 j55 36# casing, 18cnt, 8.6ppg wf, weatherford floats, top plug only, hes plug container and manifold |
| Event | 5 | Standby - Other - see comments | Standby - Other - see comments | 8/13/2016 | 19:35:00 | USER | | | | HES went into wait mode to be able to spot in equipment due to big rig moving onto the same location |
| Event | 6 | Pre-Rig Up Safety Meeting | Pre-Rig Up Safety Meeting | 8/13/2016 | 20:05:00 | USER | | | | meeting with all HES personnel to discuss safety/hazards associated with rigging up |
| Event | 7 | Rig-Up Equipment | Rig-Up Equipment | 8/13/2016 | 20:10:00 | USER | | | | |
| Event | 8 | Casing on Bottom | Casing on Bottom | 8/13/2016 | 21:00:00 | USER | 20.00 | 8.19 | 1.10 | rig landed and started circulating |
| Event | 9 | Pre-Job Safety Meeting | Pre-Job Safety Meeting | 8/13/2016 | 21:30:00 | USER | 20.00 | 8.31 | 0.00 | meeting with all personnel on location to discuss safety/hazards and job procedures associated with job in hand. all personnel signed a jsa |
| Event | 10 | Start Job | Start Job | 8/13/2016 | 21:41:00 | COM5 | 22.00 | 8.30 | 0.00 | |
| Event | 11 | Pump Water | Fill Lines FW (red dye) | 8/13/2016 | 21:41:59 | USER | 36.00 | 8.32 | 0.10 | fill lines with 2BBL's of fw at 2BPM top pressure of 42psi. |
| Event | 12 | Test Lines | Test Lines | 8/13/2016 | 21:43:24 | USER | 50.00 | 8.30 | 0.00 | |
| Event | 13 | Pump Water | Fill Lines | 8/13/2016 | 21:50:00 | USER | 31.00 | 8.32 | 1.10 | pumped an additional .5bbl |
| Event | 14 | Test Lines | Test Lines | 8/13/2016 | 21:51:03 | USER | 1554.00 | 8.34 | 0.00 | test kick-outs, test 5th gear stall and high pressure of |

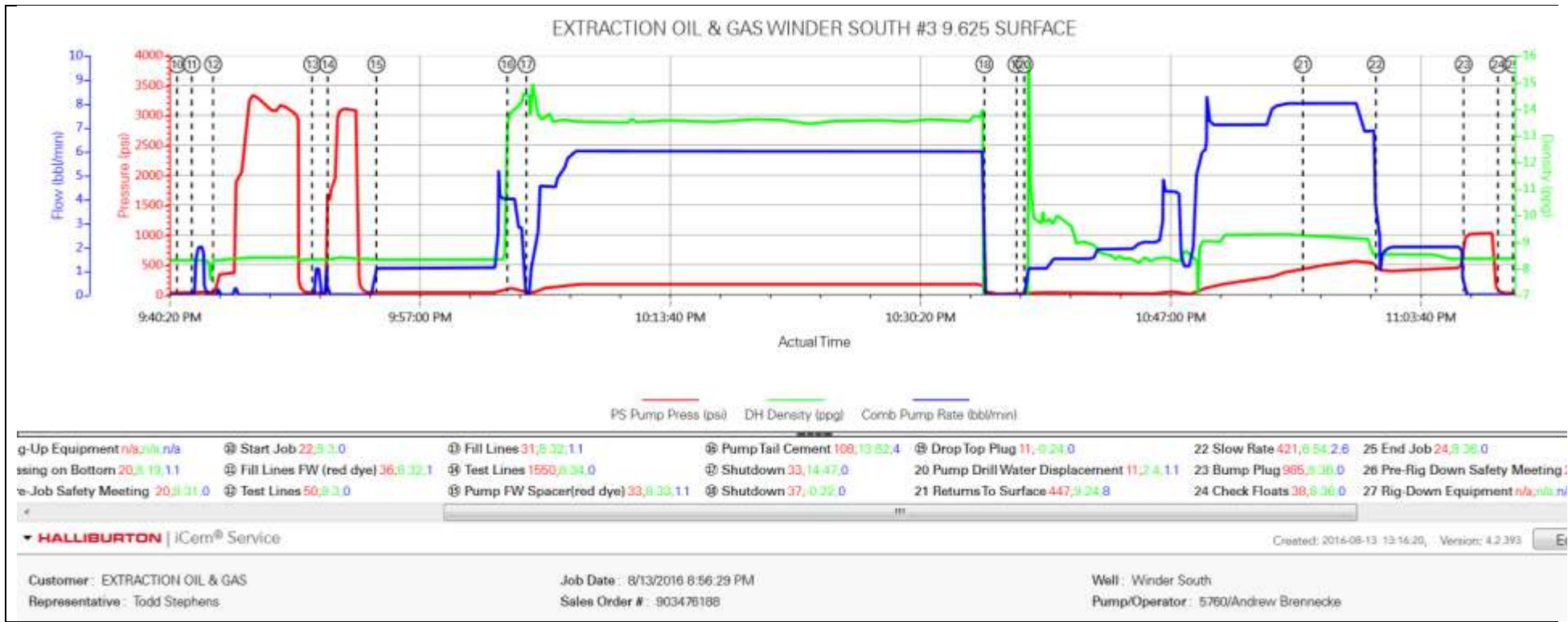
33452psi, pressure falling back to fast, bled psi off lines, pumped .5BBL's and closed manifold. second pressure test held great at 3000psi

| | | | | | | | | | | |
|-------|----|-----------------------------|-------------------------------|-----------|----------|------|--------|-------|------|--|
| Event | 15 | Pump Spacer | Pump FW Spacer(red dye) | 8/13/2016 | 21:54:17 | USER | 33.00 | 8.33 | 1.10 | pumped the remaining 7.5BBL's of fw with red dye, pumped at 1-4BPM, to bring cmt up to weight. psi at 4BPM was 100psi |
| Event | 16 | Pump Tail Cement | Pump Tail Cement | 8/13/2016 | 22:03:00 | USER | 107.00 | 13.83 | 4.00 | pumped 175BBL's of swiftcem cmt, 565sk, 1.74 yield, 9.2 gal/sk, pumped at 6BPM and average pressure was 175. weighed cmt using high pressure mud scales, weight was confirmed by operator and HES supervisor. wet and dry samples left on location |
| Event | 17 | Shutdown | Shutdown | 8/13/2016 | 22:04:16 | USER | 33.00 | 14.47 | 0.00 | shut down wasn't getting water from frac tank |
| Event | 18 | Shutdown | Shutdown | 8/13/2016 | 22:34:47 | USER | 40.00 | -0.22 | 0.00 | done pumping cmt |
| Event | 19 | Drop Top Plug | Drop Top Plug | 8/13/2016 | 22:36:55 | USER | 11.00 | -0.24 | 0.00 | drop top plug witnessed by HES supervisor and Todd Stephens with Extraction |
| Event | 20 | Pump Displacement | Pump Drill Water Displacement | 8/13/2016 | 22:37:26 | USER | 11.00 | 0.84 | 1.10 | pumped 117BBL's of drill water 8.9ppg. pumped 20bbl's fw ahead and 17fw behind . average pressure at 8BPM was 500psi |
| Event | 21 | Returns To Surface | Returns To Surface | 8/13/2016 | 22:56:00 | USER | 437.00 | 9.25 | 8.00 | fw to surface at 76BBL's and good solid cmt at 91BBL's away. 26bbls of cmt to surface, calculated 36bbls on a tru hole |
| Event | 22 | Slow Rate | Slow Rate | 8/13/2016 | 23:00:51 | USER | 420.00 | 8.54 | 2.70 | slow rate to 2BPM to land plug psi was 540 psi at 8BPM and fell to 420psi at 2BPM |
| Event | 23 | Bump Plug | Bump Plug | 8/13/2016 | 23:06:42 | USER | 980.00 | 8.36 | 0.00 | plug bumped at calculated 117BBL's, pressure at 450, kicked pumps out at 900 and pressure climbed to 1029 and held great |
| Event | 24 | Check Floats | Check Floats | 8/13/2016 | 23:09:00 | USER | 40.00 | 8.36 | 0.00 | weatherford floats held .75BBL back to the trk |
| Event | 25 | End Job | End Job | 8/13/2016 | 23:10:00 | COM5 | 24.00 | 8.36 | 0.00 | |
| Event | 26 | Pre-Rig Down Safety Meeting | Pre-Rig Down Safety Meeting | 8/13/2016 | 23:12:00 | USER | 23.00 | 8.37 | 0.00 | meeting with all HES personnel to discuss safety/hazards associated with rigging down |
| Event | 27 | Rig-Down Equipment | Rig-Down Equipment | 8/13/2016 | 23:20:00 | USER | | | | |
| Event | 28 | Pre-Convoy Safety | Pre-Convoy Safety | 8/14/2016 | 00:01:00 | USER | | | | meeting with all HES personnel to discuss safety/hazards |

| | | Meeting | Meeting | | | | associated with driving back to the service center |
|-------|----|--|--|-----------|----------|------|--|
| Event | 29 | Depart Location for Service Center or Other Site | Depart Location for Service Center or Other Site | 8/14/2016 | 00:15:00 | USER | |
| Event | 30 | Other | Other | 8/14/2016 | 00:16:00 | USER | Thank You for Choosing Halliburton Cement. Parker and Crew (713)703-3283 |

3.0 Attachments

3.1 Case 1-Custom Results events .png



3.2 Case 1-Custom Results no events.png

