

# HALLIBURTON

iCem<sup>®</sup> Service

## **CAERUS OIL AND GAS LLC - EBUS**

**For: Boyd Cottam**

Date: Saturday, August 08, 2015

### **PUCKETT 11C-1**

Puckett 11C-1

Caerus PUCKETT 11C-1

Job Date: Saturday, August 08, 2015

Sincerely,

**Carlton Kukus**

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## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

| Type  | Seq. No. | Activity                              | Date     | Time     | Source | DH Density<br>(ppg) | Comb Pump Rate<br>(bbl/min) | PS Pump Press<br>(psi) | Pump Stg Tot<br>(bbl) | Comments   |
|-------|----------|---------------------------------------|----------|----------|--------|---------------------|-----------------------------|------------------------|-----------------------|--|
| Event | 1        | Call Out                              | 8/8/2015 | 06:00:00 | USER   |                     |                             |                        |                       | ALL HES  |
| Event | 2        | Pre-Convoy Safety Meeting             | 8/8/2015 | 07:30:00 | USER   |                     |                             |                        |                       | JOURNEY CREATED, ALL HES INVOLVED  |
| Event | 3        | Crew Leave Yard                       | 8/8/2015 | 08:00:00 | USER   |                     |                             |                        |                       | 1 550, 1 660 BULK TURCK, 1 BODY LOAD BULK TRUCK , 1 ELITE PUMP TRUCK, 1 IRON TRUCK   |
| Event | 4        | Arrive At Loc                         | 8/8/2015 | 10:30:00 | USER   |                     |                             |                        |                       | RIG RUNNING CASING CASING UPON HES ARRIVAL   |
| Event | 5        | Assessment Of Location Safety Meeting | 8/8/2015 | 10:45:00 | USER   |                     |                             |                        |                       | ATTENDED BY ALL HES CREW   |
| Event | 6        | Pre-Rig Up Safety Meeting             | 8/8/2015 | 11:00:00 | USER   |                     |                             |                        |                       | ATTENDED BY ALL HES CREW   |
| Event | 7        | Rig-Up Equipment                      | 8/8/2015 | 11:10:00 | USER   |                     |                             |                        |                       | RIG UP IRON TO STAND PIPE AND WASH UP TANK. RIG UP ALL BULK UNITS TO PUMP TRUCK, AND RAN WATER HOSE TO DAY TANK.   |
| Event | 8        | Rig-Up Completed                      | 8/8/2015 | 13:30:00 | USER   |                     |                             |                        |                       | COMPLETED  |
| Event | 9        | Pre-Job Safety Meeting                | 8/8/2015 | 13:45:00 | USER   |                     |                             |                        |                       | ATTENDED BY ALL HES CREW, RIG CREW, AND COMPANY REP  |
| Event | 10       | Start Job                             | 8/8/2015 | 13:55:00 | USER   |                     |                             |                        |                       | TD 9000', TP 8976', SHOE 34.76', OPEN HOLE 8.75", TOOL SET AT 7035', CASING 4.5", 11.6 #, P110, SURFACE CASING 9.625, 36#, SET AT 2540, MW 9.1, VISC 72. |

|       |    |  |          |          |      |      |     |      |       |  |
|-------|----|--|----------|----------|------|------|-----|------|-------|--|
| Event | 11 | Prime Pumps                            | 8/8/2015 | 13:56:58 | USER | 8.33 | 2   | 2    | 2     | FILL LINES TO PRESSURE TEST  |
| Event | 12 | Test Lines                             | 8/8/2015 | 13:59:02 | COM7 |      |     | 5004 |       | TESTED LINES TO 5004 PSI, PRESSURE HELD  |
| Event | 13 | Pump Spacer 1                          | 8/8/2015 | 14:07:32 | COM7 | 12.2 | 4   | 174  | 40    | PUMPED 40 BARRELS OF TUNED SPACER AT 12.2 LBS/GAL, YIELD OF 2.91, 18.3 WTER REQUIREMENT.                     |
| Event | 14 | Pump Lead Cement                       | 8/8/2015 | 14:18:57 | COM7 | 12.7 | 2   | 230  | 14.6  | 50 SACKS OF ECONOCCEM, PUMPED AT 12.7 PPG, YIELD OF 1.64, WATER REQUIREMENT OF 7.96. TOTALED 14.6 BBLs       |
| Event | 15 | Pump Tail Cement                       | 8/8/2015 | 14:30:25 | COM7 | 13.5 | 8   | 1200 | 94    | 300 SACKS OF THERMOCEM, PUMPED AT 13.5 PPG, YIELD OF 1.76, WITH A WATER REQUIREMENT OF 8.22, TOTALED 94 BBLs |
| Event | 16 | Shutdown                               | 8/8/2015 | 14:45:58 | USER |      |     |      |       | SHUTDOWN CLEANED LINES TO THE PIT  |
| Event | 17 | Drop Plug                              | 8/8/2015 | 14:47:40 | USER |      |     |      |       | DROPPED WIPER PLUG   |
| Event | 18 | Pump Displacement                      | 8/8/2015 | 14:50:01 | COM7 | 8.33 | 7.5 | 317  | 128.6 | 138.5 BBLs OF FRESH WATER DISPLACEMENT   |
| Event | 19 | Slow Rate                              | 8/8/2015 | 15:08:21 | USER | 8.33 | 2   | 65   | 10    | SLOWED RATE TO 2 BBL A MINUTE 10 BBLs OUT FROM BUMPING THE PLUG  |
| Event | 20 | Bump Plug                              | 8/8/2015 | 15:17:58 | COM7 |      |     | 65   | 138.6 | BUMPED PLUG AT 65 PSI, BROUGHT TO 585  |
| Event | 21 | Check Floats                           | 8/8/2015 | 15:19:04 | USER |      |     | 615  |       | CHECKED FLOATS, FLOATS HELD, RECIEVED .5 BBLs BACK TO THE TRUCK  |
| Event | 22 | Drop Opening Device For Multiple Stage | 8/8/2015 | 15:21:53 | USER |      |     |      |       | HES AND TOOL REP DROPPED OPENING DEVICE  |

| Cementer |    |                   |          |          |      |      |     |       |       | AND WAITED 45 MINUTES<br>BEFORE OPENING TOOL   |
|----------|----|-------------------|----------|----------|------|------|-----|-------|-------|--|
| Event    | 23 | Pump Spacer 1     | 8/8/2015 | 16:08:46 | COM7 | 8.33 | 2   | 31.00 | 10    | PRESSURED UP TO 484 PSI<br>TO OPEN DV TOOL. TOOL<br>OPENED, HES CONTINUED<br>WITH 10 BBLs OF FRESH<br>WATER SPACER     |
| Event    | 24 | Pump Lead Cement  | 8/8/2015 | 16:17:38 | COM7 | 12.5 | 8   | 611   | 146.6 | 450 SACKS OF HALCEM,<br>MIXED AT 12.5 PPG, WITH A<br>YIELD OF 1.83, WATER<br>REQUIREMENT OF 9.5.<br>TOTALED 146.7 BBLs |
| Event    | 25 | Pump Tail Cement  | 8/8/2015 | 16:39:11 | COM7 | 13.5 | 3   | 242   | 13.8  | 50 SACKS OF HALCEM,<br>MIXED AT 13.5 PPG, WITH A<br>YIELD OF 1.55, WATER<br>REQUIREMENT OF 7.47.<br>TOTALED 13.8 BBLs  |
| Event    | 26 | Shutdown          | 8/8/2015 | 16:43:34 | USER |      |     |       |       | SHUT DOWN, CLEANED TUB<br>AND PREPPED FOR<br>DISPLACMNT.   |
| Event    | 27 | Drop Top Plug     | 8/8/2015 | 16:44:11 | USER |      |     |       |       | DROPPED TOP PLUG, PLUG<br>LAUNCHED   |
| Event    | 28 | Pump Displacement | 8/8/2015 | 16:46:35 | USER | 8.33 | 7.5 | 275   | 99    | PUPMED 99 BBLs FRESH<br>WATER DISPLACEMENT<br>WITH 3% KCL  |
| Event    | 29 | Slow Rate         | 8/8/2015 | 17:03:04 | USER | 8.33 | 3.5 | 54    | 10    | SLOWED RATE TO 3.5 BBLs/<br>MINUTE, 10 BBLs AWAY<br>FROM BUMPING THE PLUG  |
| Event    | 30 | Bump Plug         | 8/8/2015 | 17:06:28 | USER |      |     | 54    | 109   | BUMPED PLUG AT 54 PSI,<br>BROUGHT TO 1926 PSI TO<br>CLOSE DV TOOL, TOOL<br>CLOSED                                      |
| Event    | 31 | Check Floats      | 8/8/2015 | 17:07:32 | USER |      |     | 1926  |       | CHECKED FLOATS, FLOATS<br>HELD, RECIEVED 1 BBL BACK<br>TO THE TRUCK  |

|       |    |   |          |          |      |  |
|-------|----|---|----------|----------|------|--|
| Event | 32 | End Job                                   | 8/8/2015 | 17:08:31 | USER | GOOD CIRCULATION<br>THROUGHOUT JOB   |
| Event | 33 | Post-Job Safety<br>Meeting (Pre Rig-Down) | 8/8/2015 | 17:12:37 | USER | ATTENDED BY ALL HES<br>CREW  |
| Event | 34 | Rig-Down Equipment                        | 8/8/2015 | 17:15:00 | USER | RIGGED DOWN ALL IRON,<br>BULK, AND WATER, BLEW<br>THE PUMP AND LINES BACK<br>TO THEIR PERSPECTIVE<br>TANKS |
| Event | 35 | Depart Location Safety<br>Meeting         | 8/8/2015 | 18:30:00 | USER | ATTENDED BY ALL HES<br>CREW  |
| Event | 36 | Crew Leave Location                       | 8/8/2015 | 18:31:00 | USER | THANK YOU FOR USING<br>HALLIBURTON CEMENT,<br>CARL KUKUS AND CREW  |