

Caerus Oil and Gas LLC- EBUS

Puckett 31C-1

H&P 330

Post Job Summary

Cement Surface Casing

Date Prepared: 09/23/2015

Job Date: 09/21/2015

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

| | | | |
|---|-----------------------|----------------------------------|---------------------------|
| Sold To #: 360446 | Ship To #: 3665990 | Quote #: | Sales Order #: 0902765370 |
| Customer: CAERUS OIL AND GAS LLC - EBUS | | Customer Rep: GEORGE URBAN | |
| Well Name: PUCKETT | Well #: 31C-1 | API/UWI #: 05-045-22855-00 | |
| Field: GRAND VALLEY | City (SAP): PARACHUTE | County/Parish: GARFIELD | State: COLORADO |
| Legal Description: SE NW-1-7S-97W-2069FNL-1345FWL | | | |
| Contractor: H & P DRLG | | Rig/Platform Name/Num: H & P 330 | |
| Job BOM: 7521 | | | |
| Well Type: DIRECTIONAL GAS | | | |
| Sales Person: HALAMERICA\HB80977 | | Srcv Supervisor: Eric Carter | |

Job

| | | | | |
|------------------------|--------|---------------|-------------------|----------|
| Formation Name | | | | |
| Formation Depth (MD) | Top | 128 FT. | Bottom | 2550 FT. |
| Form Type | BHST | | | |
| Job depth MD | 2520ft | Job Depth TVD | | |
| Water Depth | | | Wk Ht Above Floor | N/A |
| 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 | 3 | 20 | 19.124 | 94 | | | 0 | 128 | 0 | 0 |
| Casing | | 9.625 | 8.921 | 36 | 8 RD (LT&C) | | 0 | 2520 | | 0 |
| Open Hole Section | | | 14.75 | | | | 128 | 2550 | 0 | 0 |

Tools and Accessories

| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make |
|--------------|---------|-----|------|----------|----------------|---------|-----|------|
| Guide Shoe | | | | | Top Plug | 9.625 | 1 | HES |
| Float Shoe | | | | | Bottom Plug | | | |
| Float Collar | | | | | SSR plug set | | | |
| Insert Float | | | | | Plug Container | 9.625 | 1 | HES |
| Stage Tool | | | | | Centralizers | | | |

Miscellaneous Materials

| Gelling Agt | Conc | Surfactant | Conc | Acid Type | Qty | Conc |
|---------------|------|------------|------|-----------|------|------|
| Treatment Fld | Conc | Inhibitor | Conc | Sand Type | Size | Qty |
| | | | | | | |

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 | 10 | bbl | 8.34 | | | 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 | Super Flush 101 | Super Flush 101 | 20 | bbl | 10 | | | 4 | | |
|----------------------------|-----------------|----------------------|-------|---------|------------------------|----------------|---------------|--------------|---------------------|--|
| 21 gal/bbl | | FRESH WATER | | | | | | | | |
| 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 | Water | Water | 10 | bbl | 8.34 | | | 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 | |
| 4 | Lead Cement | VARICEM (TM) CEMENT | 375 | sack | 11 | 3.65 | 23.08 | 7 | | |
| 23.08 Gal | | FRESH WATER | | | | | | | | |
| 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 | |
| 5 | Tail Cement | VARICEM (TM) CEMENT | 160 | sack | 12.8 | 2.18 | 12.11 | 7 | | |
| 12.11 Gal | | FRESH WATER | | | | | | | | |
| 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 | |
| 6 | Displacement | Displacement | 191.5 | bbl | 8.34 | | | 7 | | |
| 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 | |
| 7 | Super Flush 101 | Super Flush 101 | 10 | bbl | 10 | | | | | |
| 21 gal/bbl | | FRESH WATER | | | | | | | | |
| 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 | |
| 8 | Top Out | REVERCEM (TM) CEMENT | 226 | sack | 12.8 | 2.12 | 11.15 | 3 | | |
| 11.15 Gal | | FRESH WATER | | | | | | | | |
| Cement Left In Pipe | | Amount | 44 ft | | Reason | | | Shoe Joint | | |
| Comment | | | | | | | | | | |

1.0 Real-Time Job Summary

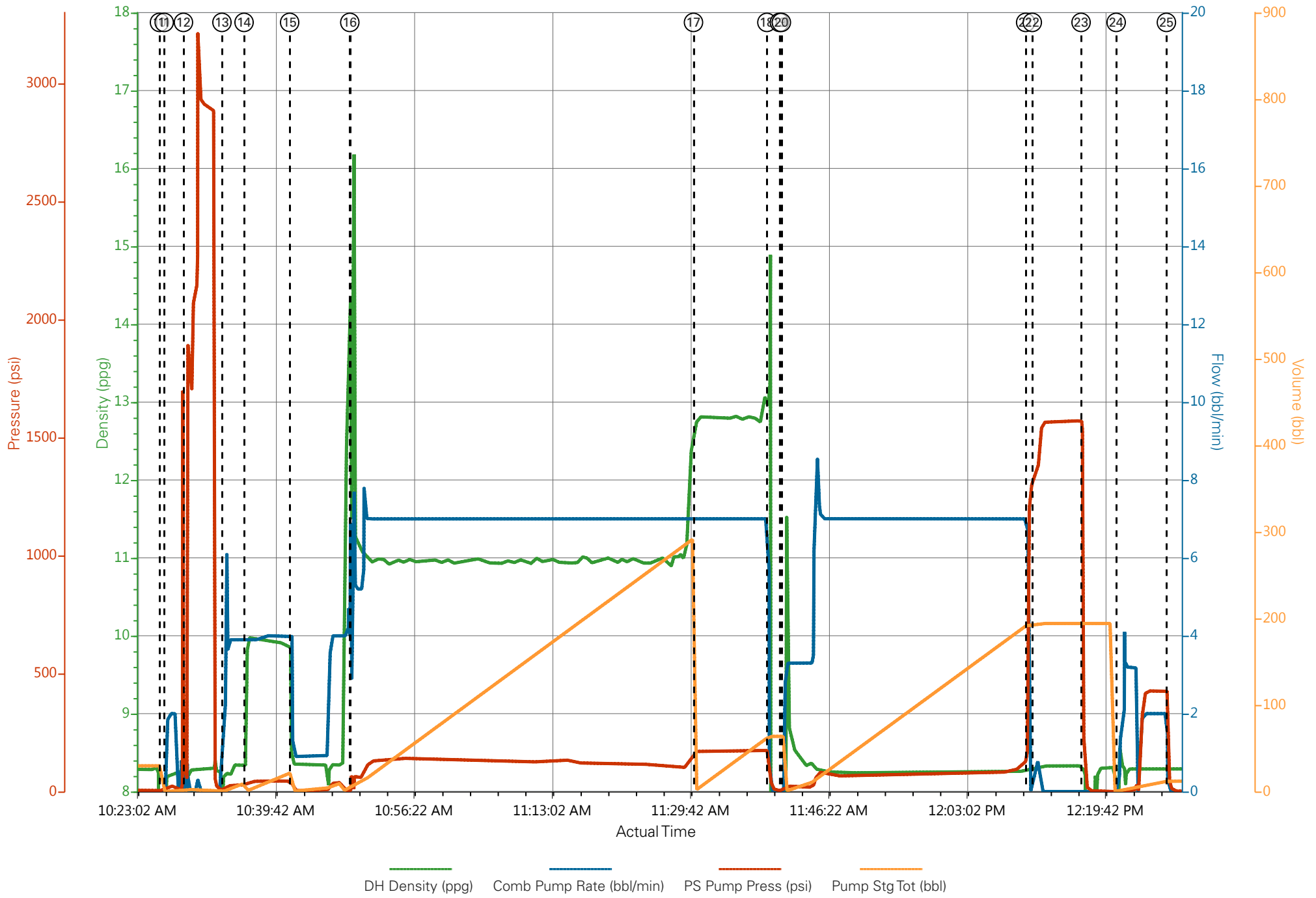
1.1 Job Event Log

| Type | Seq. No. | Activity | Date | Time | Source | DH Density <i>(ppg)</i> | Comb Pump Rate <i>(bbl/min)</i> | PS Pump Press <i>(psi)</i> | Pump Stg Tot <i>(bbl)</i> | Comments |
|-------|----------|---------------------------------------|-----------|----------|--------|----------------------------|------------------------------------|-------------------------------|------------------------------|---|
| Event | 1 | Call Out | 9/21/2015 | 03:00 | USER | | | | | |
| Event | 2 | Depart Yard Safety Meeting | 9/21/2015 | 04:50 | USER | | | | | ATTENDED BY ALL HES CREW |
| Event | 3 | Crew Leave Yard | 9/21/2015 | 05:00 | USER | | | | | |
| Event | 4 | Arrive At Loc | 9/21/2015 | 07:30 | USER | | | | | RIG RUNNING CASING |
| Event | 5 | Assessment Of Location Safety Meeting | 9/21/2015 | 08:30 | USER | | | | | ATTENDED BY ALL HES CREW |
| Event | 6 | Other | 9/21/2015 | 08:40 | USER | | | | | SPOT EQUIPMENT |
| Event | 7 | Pre-Rig Up Safety Meeting | 9/21/2015 | 08:50 | USER | | | | | ATTENDED BY ALL HES CREW |
| Event | 8 | Rig-Up Equipment | 9/21/2015 | 09:00 | USER | | | | | |
| Event | 9 | Pre-Job Safety Meeting | 9/21/2015 | 10:00 | USER | | | | | ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP |
| Event | 10 | Other | 9/21/2015 | 10:26:01 | USER | | | | | TP 2520', TD 2550', MW 9.2 PPG, CASING 9.625", 36#, J-55, SJ 43.72', HOLE 14.75", CONDUCTOR CASING 20", 94# SET AT 128', RIG DID NOT HAVE CIRCULATION PRIOR TO JOB, JOB PUMPED OFF LINE |
| Event | 11 | Other | 9/21/2015 | 10:26:35 | USER | 8.34 | 2 | 30 | 2 | FRESH WATER |
| Event | 12 | Test Lines | 9/21/2015 | 10:28:54 | USER | | | | | PRESSURED UP TO 3100 PSI, PRESSURE HELD |

| | | | | | | | | | | |
|-------|----|--|-----------|----------|------|------|-----|------|-------|---|
| Event | 13 | Pump Spacer | 9/21/2015 | 10:33:33 | USER | 8.34 | 4 | 40 | 10 | FRESH WATER |
| Event | 14 | Pump Spacer | 9/21/2015 | 10:36:12 | USER | 10 | 4 | 50 | 20 | SUPER FLUSH 101 |
| Event | 15 | Pump Spacer | 9/21/2015 | 10:41:42 | USER | 8.34 | 4 | 40 | 10 | FRESH WATER |
| Event | 16 | Pump Lead Cement | 9/21/2015 | 10:48:57 | USER | 11 | 7 | 150 | 243.8 | 375 VARICEM SKS MIXED AT 11 PPG, 3.65 YIELD, 23.08 GL/SK, TUFFIBER MIXED ON THE FLY |
| Event | 17 | Pump Tail Cement | 9/21/2015 | 11:30:23 | USER | 12.8 | 7 | 180 | 62.1 | 160 SKS VARICEM MIXED AT 12.8 PPG, 2.18 YIELD, 12.11 GL/SK |
| Event | 18 | Shutdown | 9/21/2015 | 11:39:13 | USER | | | | | |
| Event | 19 | Drop Top Plug | 9/21/2015 | 11:40:44 | USER | | | | | PLUG LAUNCHED |
| Event | 20 | Pump Displacement | 9/21/2015 | 11:40:58 | USER | 8.34 | 7 | 90 | 191.5 | FRESH WATER |
| Event | 21 | Bump Plug | 9/21/2015 | 12:10:25 | USER | | | 1560 | | PLUG LANDED |
| Event | 22 | Comment | 9/21/2015 | 12:11:13 | USER | | | | | HELD PRESSURE ON CASING TO TEST AT COMPANY REP'S REQUEST |
| Event | 23 | Check Floats | 9/21/2015 | 12:17:06 | USER | | | 1570 | | FLOATS HELD, NO RETURNS THROUGHOUT JOB |
| Event | 24 | Pump Water | 9/21/2015 | 12:21:20 | USER | 8.34 | 2.5 | 430 | 12 | SUGAR WATER PUMPED DOWN PARASITE |
| Event | 25 | Shutdown | 9/21/2015 | 12:27:23 | USER | | | | | |
| Event | 26 | Pump Cement | 9/21/2015 | 13:35:12 | USER | 12.8 | 3 | 130 | 85.3 | 226 SKS REVERCEM MIXED AT 12.8 PPG, 2.12 YIELD, 11.15 GL/SK |
| Event | 27 | Shutdown | 9/21/2015 | 14:08:01 | USER | | | | | |
| Event | 28 | End Job | 9/21/2015 | 14:08:10 | USER | | | | | 7 BBLS CEMENT TO SURFACE |
| Event | 29 | Post-Job Safety Meeting (Pre Rig-Down) | 9/21/2015 | 14:10 | USER | | | | | ATTENDED BY ALL HES CREW |

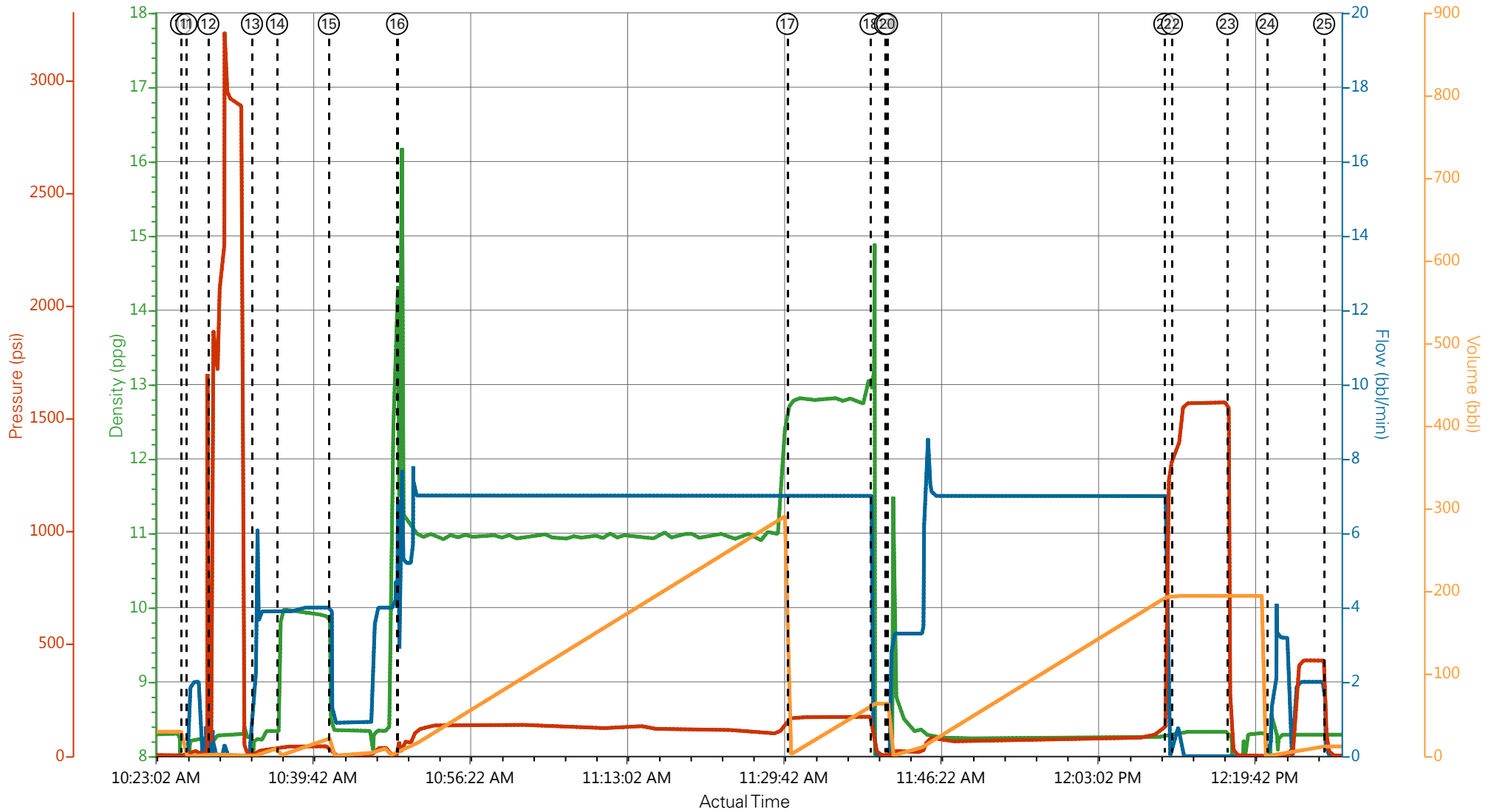
| | | | | | | |
|-------|----|--------------------------------|-----------|-------|------|---|
| Event | 30 | Rig-Down Equipment | 9/21/2015 | 14:20 | USER | |
| Event | 31 | Depart Location Safety Meeting | 9/21/2015 | 15:20 | USER | ATTENDED BY ALL HES CREW |
| Event | 32 | Crew Leave Location | 9/21/2015 | 15:30 | USER | THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW. |

CAERUS - PUCKETT 31C-1 - SURFACE



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)

CAERUS - PUCKETT 31C-1 - SURFACE



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)

- | | | | | |
|--|---|--|-------------------------------------|-----------------|
| ① Call Out n/a;n/a;n/a;n/a | ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑨ Pre-Job Safety Meeting n/a;n/a;n/a;n/a | ⑬ Pump Spacer 8.25;1.9;10;0.6 | ⑰ Pump Tail Cem |
| ② Depart Yard Safety Meeting n/a;n/a;n/a;n/a | ⑥ Other n/a;n/a;n/a;n/a | ⑩ Start Job 0.06;0;5;0 | ⑭ Pump Spacer 9.85;3.9;33;0.9 | ⑱ Shutdown 13. |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a | ⑦ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a | ⑪ Fill Lines 8.21;1.6;21;0.1 | ⑮ Pump Spacer 8.33;0.9;24;0.4 | ⑲ Drop Top Plug |
| ④ Arrive At Loc n/a;n/a;n/a;n/a | ⑧ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑫ Test Lines 8.24;0;60;2.1 | ⑯ Pump Lead Cement 15.68;3.9;15;5.7 | ⑳ Pump Displac |



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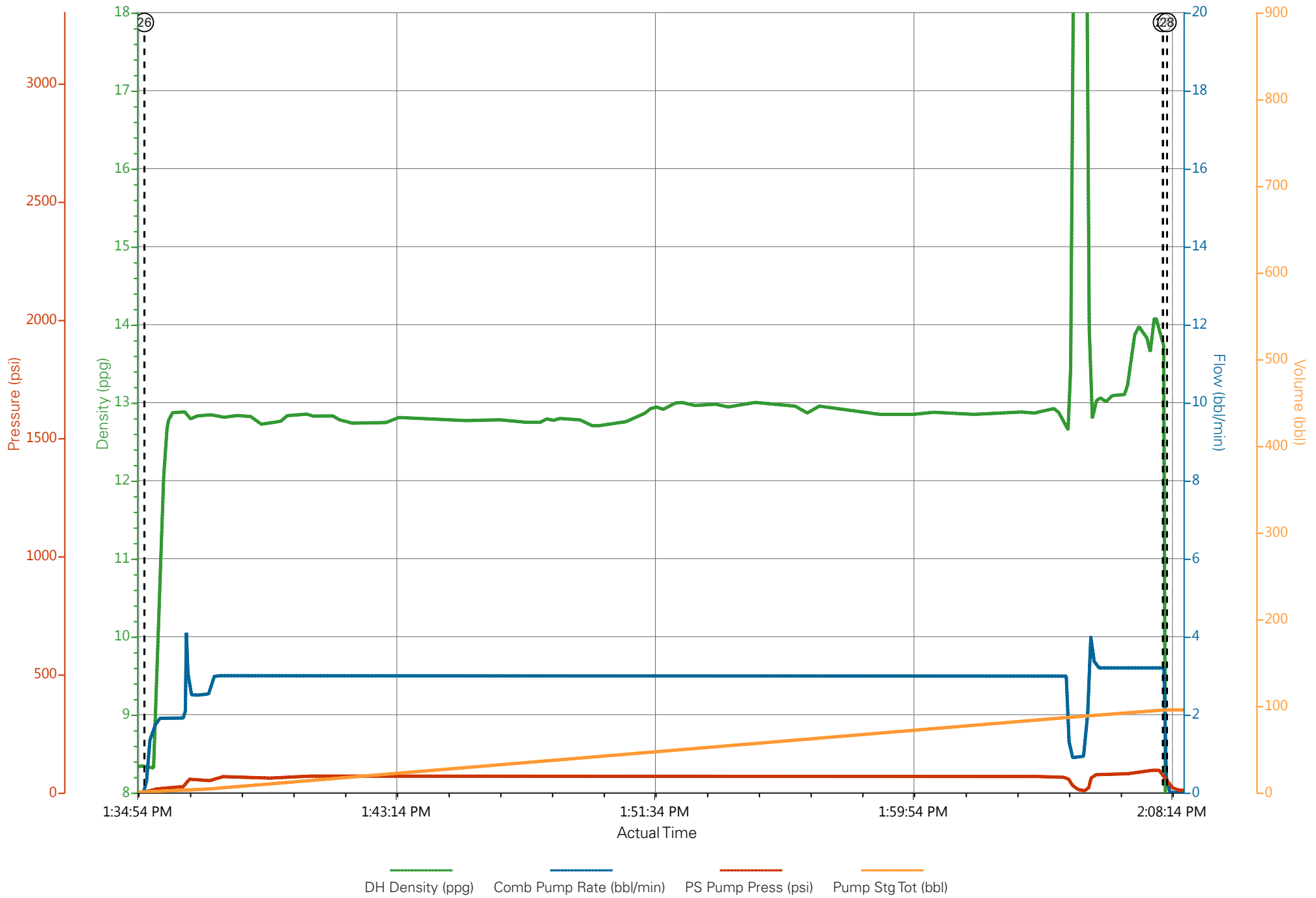
Created: 2015-09-21 04:59:35, Version: 4.1.107

Customer: CAERUS OIL AND GAS LLC - EBUS
 Representative: GEORGE URBAN

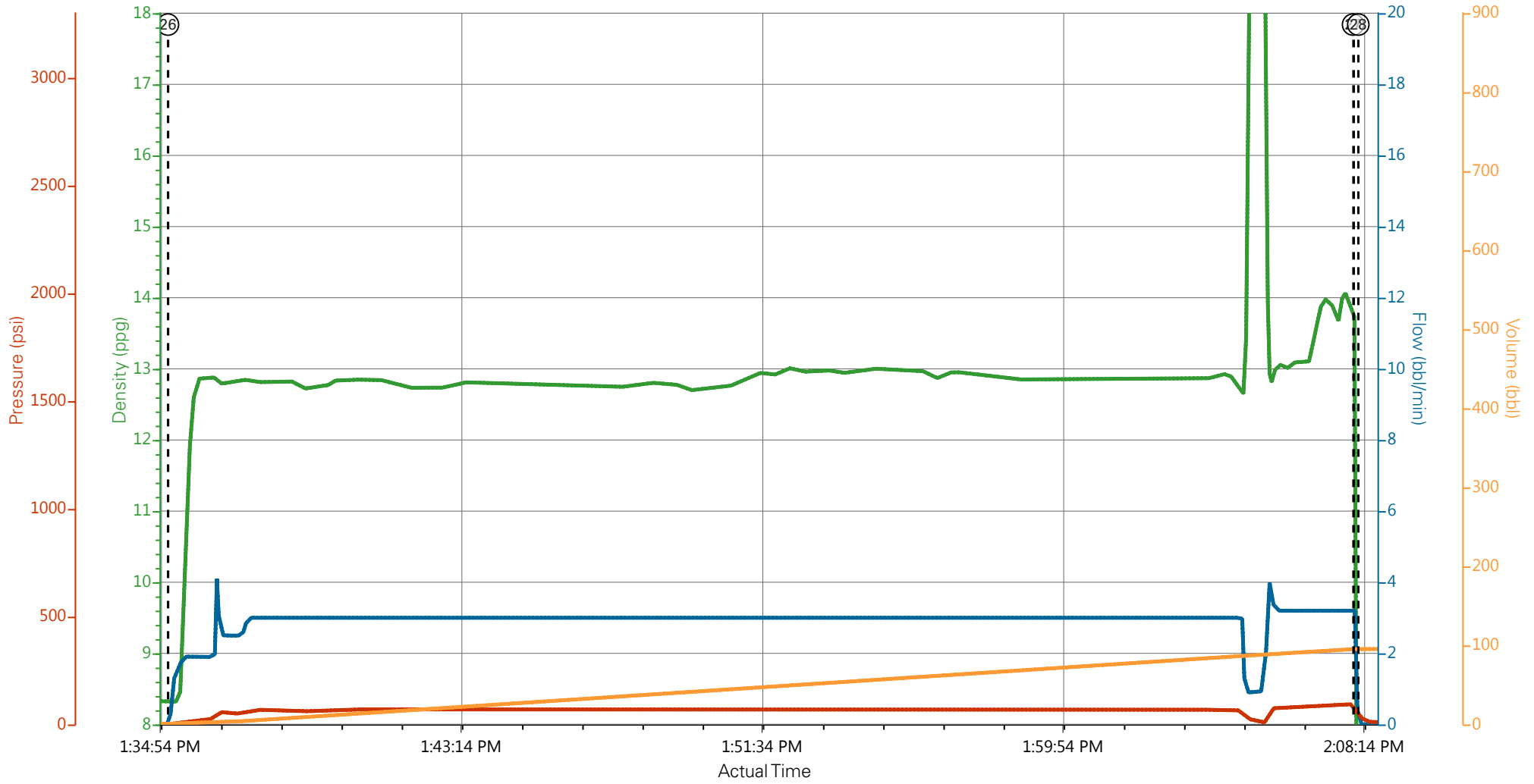
Job Date: 9/21/2015 9:34:58 AM
 Sales Order #: 902765370

Well: PUCKETT 31C-1
 ELITE 4: ERIC CARTER/PAUL SALAZAR

CAERUS - PUCKETT 31C-1 - SURFACE



CAERUS - PUCKETT 31C-1 - SURFACE



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)

- | | | | | |
|---|---|-------------------------------------|----------------------------------|----------------------------|
| ① Call Out n/a;n/a;n/a;n/a | ⑦ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a | ⑬ Pump Spacer 8.25;1.9;10;0.6 | ⑲ Drop Top Plug 0.34;0;4;63.7 | ②⑤ Shutdown 8.28;0;42 |
| ② Depart Yard Safety Meeting n/a;n/a;n/a;n/a | ⑧ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑭ Pump Spacer 9.85;3.9;33;0.9 | ⑳ Pump Displacement 0.34;0.7;4;0 | ②⑥ Pump Cement 8.34;0 |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a | ⑨ Pre-Job Safety Meeting n/a;n/a;n/a;n/a | ⑮ Pump Spacer 8.33;0.9;24;0.4 | ㉑ Bump Plug 8.28;3.3;1113;193.5 | ②⑦ Shutdown 5.89;1.5;5 |
| ④ Arrive At Loc n/a;n/a;n/a;n/a | ⑩ Start Job 0.06;0;5;0 | ⑯ Pump Lead Cement 15.68;3.9;15;5.7 | ㉒ Slow Rate 8.3;0.6;1356;193.8 | ②⑧ End Job 0.3;0;27;95 |
| ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑪ Fill Lines 8.21;1.6;21;0.1 | ⑰ Pump Tail Cement 12.76;7;169;2.3 | ㉓ Check Floats 8.25;0;130;194.2 | ②⑨ Post-Job Safety Meeting |
| ⑥ Other n/a;n/a;n/a;n/a | ⑫ Test Lines 8.24;0;60;2.1 | ⑱ Shutdown 13.79;0;75;63.7 | ㉔ Pump Water 8.55;0.4;-3;0 | ③① Rig-Down Equipment |



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Created: 2015-09-21 04:59:35, Version: 4.1.107

Edit

Customer : CAERUS OIL AND GAS LLC - EBUS
 Representative : GEORGE URBAN

Job Date : 9/21/2015 9:34:58 AM
 Sales Order # : 902765370

Well : PUCKETT 31C-1
 ELITE 4 : ERIC CARTER/PAUL SALAZAR

HALLIBURTON

Water Analysis Report

Company: CAERUS
Submitted by: ERIC CARTER
Attention: J.Trout
Lease: H&P 330
Well #: PUCKETT 31C-1

Date: 9/23/2015
Date Rec.: 9/23/2015
S.O.#: 902765370
Job Type: SURFACE

| | | |
|-----------------------------|--------------|-----------------------|
| Specific Gravity | <i>MAX</i> | 1 |
| pH | <i>8</i> | 7 |
| Potassium (K) | <i>5000</i> | 0 Mg / L |
| Hardness | <i>500</i> | 120 Mg / L |
| Iron (FE2) | <i>300</i> | 0 Mg / L |
| Chlorides (Cl) | <i>3000</i> | 0 Mg / L |
| Sulfates (SO ₄) | <i>1500</i> | <200 Mg / L |
| Temp | <i>40-80</i> | 54 Deg |
| Total Dissolved Solids | | 450 Mg / L |

Respectfully: ERIC CARTER

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its

| | | |
|---|--------------------------------|---|
| Sales Order #: 0902765370 | Line Item: 10 | Survey Conducted Date: 9/21/2015 |
| Customer: CAERUS OIL AND GAS LLC - EBUS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: GEORGE URBAN | | API / UWI: (leave blank if unknown) 05-045-22855-00 |
| Well Name: PUCKETT | | Well Number: 0080729643 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: GARFIELD |

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

| CATEGORY | CUSTOMER SATISFACTION RESPONSE | |
|-------------------------|--|--|
| Survey Conducted Date | The date the survey was conducted | 9/21/2015 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | HX15491 |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | GEORGE URBAN |
| HSE | Was our HSE performance satisfactory? Circle Y or N | Yes |
| Equipment | Were you satisfied with our Equipment? Circle Y or N | No |
| Personnel | Were you satisfied with our people? Circle Y or N | Yes |
| Customer Comment | Customer's Comment | NEED TO CHECK BARREL COUNTER, LANDED AT 7 BPM INSTEAD OF 2 BPM |

| |
|---------------------------|
| CUSTOMER SIGNATURE |
|---------------------------|

| | | |
|---|--------------------------------|---|
| Sales Order #: 0902765370 | Line Item: 10 | Survey Conducted Date: 9/21/2015 |
| Customer: CAERUS OIL AND GAS LLC - EBUS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: GEORGE URBAN | | API / UWI: (leave blank if unknown) 05-045-22855-00 |
| Well Name: PUCKETT | | Well Number: 0080729643 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: GARFIELD |

KEY PERFORMANCE INDICATORS

| | |
|-----------------------------------|-----------|
| General | |
| Survey Conducted Date | 9/21/2015 |
| The date the survey was conducted | |

| | |
|---|-------------------------|
| Cementing KPI Survey | |
| Type of Job | 0 |
| Select the type of job. (Cementing or Non-Cementing) | |
| Select the Maximum Deviation range for this Job | Vertical |
| What is the highest deviation for the job you just completed? This may not be the maximum well deviation. | |
| Total Operating Time (hours) | 5 |
| Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format. | |
| HSE Incident, Accident, Injury | No |
| HSE Incident, Accident, Injury. This should be recordable incidents only. | |
| Was the job purpose achieved? | Yes |
| Was the job delivered correctly as per customer agreed design? | |
| Pumping Hours | 3 |
| Total number of hours pumping fluid on this job. Enter in decimal format. | |
| Type of Rig Classification Job Was Performed | Drilling Rig (Portable) |
| Type Of Rig (classification) Job Was Performed On | |
| Number Of JSAs Performed | 5 |
| Number Of Jsas Performed | |
| Was this a Primary Cement Job (Yes / No) | Yes |
| Primary Cement Job= Casing job, Liner job, or Tie-back job. | |
| Number of Unplanned Shutdowns | 0 |
| Unplanned shutdown is when injection stops for any period of time. | |
| Customer Non-Productive Rig Time (hrs) | 0 |

| | | |
|---|--------------------------------|---|
| Sales Order #: 0902765370 | Line Item: 10 | Survey Conducted Date: 9/21/2015 |
| Customer: CAERUS OIL AND GAS LLC - EBUS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: GEORGE URBAN | | API / UWI: (leave blank if unknown) 05-045-22855-00 |
| Well Name: PUCKETT | | Well Number: 0080729643 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: GARFIELD |

| | |
|--|---------------|
| Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none. | |
| Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment? Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment? | No |
| Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs? | Top |
| If a top plug was run, was the plug bumped? (Yes/No/N/A) If a top plug was run, was the plug bumped? (Yes/No/N/A) | Yes |
| If applicable, was Halliburton float equipment used? (Yes/No/N/A) If applicable, was Halliburton float equipment used? (Yes/No/N/A) | Not Available |
| If applicable, did the floats hold? (Yes/No/N/A) If applicable, did the floats hold? (Yes/No/N/A) | Yes |
| Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100 | 96 |
| Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100 | 95 |
| If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A) | No |
| Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES | 0 |
| Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES | 0 |