

HALLIBURTON

iCem[®] Service

SRC ENERGY INC-EBUS

Date: Monday, July 15, 2019

SRC BOST FARM 5C-11-L 5.5 PRODUCTION

Job Date: Monday, July 15, 2019

Sincerely,
Tyler Hill

Legal Notice

Disclaimer:

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the Bost Farm 5C-11-L cement production 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.

Approximately 15 bbls of cement were 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

The Road to Excellence Starts with Safety

| | | | | | | | | | | | |
|---|---------------------------|------------------------------------|-----------------|--------------------------------------|--------------------------|----------------------------|-------------------------------|-----------------------|----------------------|----------------------|----------------------------|
| Sold To #: 359915 | | Ship To #: 3901238 | | Quote #: | | Sales Order #: 0905825804 | | | | | |
| Customer: SRC ENERGY INC-EBUS | | | | Customer Rep: BUDDY DAVIS | | | | | | | |
| Well Name: BOST FARM | | | Well #: 5C-11-L | | | API/UWI #: 05-123-47661-00 | | | | | |
| Field: WATTENBERG | | City (SAP): WINDSOR | | County/Parish: WELD | | | State: COLORADO | | | | |
| Legal Description: SW NW-7-5N-66W-1475FNL-1119FWL | | | | | | | | | | | |
| Contractor: PRECISION DRLG | | | | Rig/Platform Name/Num: PRECISION 462 | | | | | | | |
| Job BOM: 7523 7523 | | | | | | | | | | | |
| Well Type: HORIZONTAL OIL | | | | | | | | | | | |
| Sales Person: HALAMERICA/HB41307 | | | | Srcv Supervisor: Nikolaus Kornafel | | | | | | | |
| Job | | | | | | | | | | | |
| | | | | | | | | | | | |
| Formation Name | | | | | | | | | | | |
| Formation Depth (MD) | | Top | | | Bottom | | | | | | |
| Form Type | | | | | BHST | | | | | | |
| Job depth MD | | 17212ft | | | Job Depth TVD | | | | | | |
| Water Depth | | | | | Wk Ht Above Floor | | | | | | |
| 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 | LTC | J-55 | 0 | 1830 | 0 | 0 | |
| Casing | | 5.5 | 4.778 | 20 | TXP-BTC | P110IC | 0 | 17212 | 0 | 6495 | |
| Open Hole Section | | | 8.5 | | | | 1830 | 17227 | 0 | 0 | |
| | | | | | | | | | | | |
| Tools and Accessories | | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | | Type | Size in | Qty | Make | | |
| | | | | | | Top Plug | 5.5 | 1 | WTHRFRD | | |
| Float Shoe | 5.5 | 1 | WTHRFRD | 17,212' | | Bottom Plug | 5.5 | 1 | WTHRFRD | | |
| Float Collar | 5.5 | 1 | WTHRFRD | 17,167' | | | | | | | |
| Wet Shoe Sub | 5.5 | 1 | WTHRFRD | 17,111' | | Plug Container | 5.5 | 1 | HES | | |
| | | | | | | Centralizers | 5.5 | 253 | | | |
| | | | | | | | | | | | |
| 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 | Tuned Prime Cement Spacer | SBM FDP-C1337-18 CEMENT SPACER SYS | | | 80 | bbl | 12.5 | 2.72 | 16.3 | 5 | 2,691 |

| 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 | ElastiCem | ELASTICEM (TM) SYSTEM | 1203 | sack | 13.2 | 1.57 | 7.54 | 8 | 9,070 |
| 3 | NeoCem | NeoCem TM | 1082 | sack | 13.2 | 2.04 | 9.75 | 8 | 10,549 |
| 4 | MMCR Displacement | MMCR Displacement | 20 | bbl | 8.34 | | | 10 | |
| 5 | Water | Water | 310 | bbl | 8.33 | | | 10 | |
| 6 | MMCR Displacement | MMCR Displacement | 70 | bbl | 8.34 | | | 8 | |
| Cement Left In Pipe | | | | | | | | | |
| Amount | | 0 ft | | | Reason | | | Wet Shoe | |
| Mix Water: pH 7 | | Mix Water Chloride: 0 ppm | | | Mix Water Temperature: 77 °F | | | | |
| Cement Temperature: N/A | | Plug Displaced by: 8.33 lb/gal | | | Disp. Temperature: 77 °F | | | | |
| Plug Bumped? Yes | | Bump Pressure: 2,387 psi | | | Floats Held? Yes | | | | |
| Cement Returns: 15 bbl | | Returns Density: N/A | | | Returns Temperature: N/A | | | | |
| Comments | | | | | | | | | |
| DROPPED THE BOTTOM PLUG THEN PUMPED 80 BBLS OF SPACER FOLLOWED BY 336 BBLS OF LEAD CEMENT FOLLOWED BY 393 BBLS OF TAIL CEMENT. SHUTDOWN TO WASH LINES AND DROP THE TOP PLUG. DISPLACED WITH 380 BBLS OF FRESH WATER WITH MMCR IN THE FIRST 20 BBLS AND WITH BIOCIDES AND CLA-WEB IN 20-310 BBLS, 10 GAL OF MMCR IN THE LAST 70 BBLS OF DISPLACEMENT. BUMPED THE PLUG AT 2,387 PSI AND BROUGHT PRESSURE 500 PSI FINAL CIRCULATING PRESSURE AND THEN PRESSURED UP TO 5,180 PSI TO SHIFT THE WET SHOE SUB. PUMPED A 6 BBL WET SHOE AND THEN RELEASED PRESSURE TO CHECK FLOATS. FLOATS HELD AND GOT 3.5 BBLS BACK TO THE TRUCK. ALL 80 BBLS OF SPACER RETURNED TO SURFACE AND 15 BBLS OF LEAD CEMENT. | | | | | | | | | |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | DH Density <i>(ppg)</i> | Comb Pump Rate <i>(bbl/min)</i> | DS Pump Press <i>(psi)</i> | Pump Stg Tot <i>(bbl)</i> | Comments |
|-------|----------|---------------------------|---------------------------|-----------|----------|--------|----------------------------|------------------------------------|-------------------------------|------------------------------|---|
| Event | 1 | Call Out | Call Out | 7/15/2019 | 06:00:00 | USER | | | | | CREW CALLED OUT AT 06:00, REQUESTED ON LOCATION 12:00. CREW PICKED UP CEMENT, CHEMICALS, AND PLUG CONTAINER FROM FT. LUPTON, CO. BULK 660 10867439, BULK 660 11398319, AND PUMP 11360070. |
| Event | 2 | Pre-Convoy Safety Meeting | Pre-Convoy Safety Meeting | 7/15/2019 | 09:30:00 | USER | | | | | CREW DISCUSSED ROUTES, HAZARDS, AND COMMUNICATION WITH CREW. |
| Event | 3 | Crew Leave Yard | Crew Leave Yard | 7/15/2019 | 10:00:00 | USER | | | | | STARTED JOURNEY MANAGEMENT. |

| | | | | | | | | | | | |
|-------|---|--|--|-----------|----------|------|------|------|-------|-------|---|
| Event | 4 | Arrive at Location from Service Center | Arrive at Location from Service Center | 7/15/2019 | 11:00:00 | USER | | | | | END JOURNEY MANAGEMENT. MEET WITH CO. MAN TO DISCUSS JOB; SURFACE CASING- 9.625" 36 LB/FT @ 1,830, 5.5" CASING: 20 LB/FT TOTAL 17,212', 8.5" HOLE, TD 17,227', SHOE TRAC- 101', TVD- 6,495'. PUMP FRESH WATER DISPLACEMENT 380 BBLS. CASING LANDED @ 14:00 ON 7-15-2019. RIG CIRCULATED BOTTOMS UP. |
| Event | 5 | Pre-Rig Up Safety Meeting | Pre-Rig Up Safety Meeting | 7/15/2019 | 11:15:00 | USER | | | | | HAZARD HUNT. DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH LOCATION, RIG UP, AND WEATHER. |
| Event | 6 | Rig-Up Equipment | Rig-Up Equipment | 7/15/2019 | 11:30:00 | USER | | | | | CREW STAGED EQUIPMENT AND RIGGED UP BULK, IRON AND WATER HOSES TO PERFORM JOB. |
| Event | 7 | Pre-Job Safety Meeting | Pre-Job Safety Meeting | 7/15/2019 | 15:00:00 | USER | 9.43 | 0.00 | -3.00 | 12.50 | SAFETY MEETING WITH HALLIBURTON, AND RIG PERSONNEL. CREW COMMUNICATED POTENTIAL SAFETY HAZARDS, AND JOB DETAILS. |
| Event | 8 | Start Job | Start Job | 7/15/2019 | 15:33:50 | COM5 | 9.48 | 0.00 | -4.00 | 0.00 | BEGIN RECORDING JOB DATA. |
| Event | 9 | Test Lines | Test Lines | 7/15/2019 | 15:37:18 | COM5 | 8.35 | 0.00 | 35.00 | 3.00 | PRESSURE TESTED IRON TO 6,500 PSI. KICKOUTS SET @ 500 PSI, KICKED OUT @ 900 PSI, 5TH GEAR STALL OUT @ |

| | | | | | | | | | | | |
|-------|----|------------------|------------------|-----------|----------|------|-------|------|--------|--------|--|
| | | | | | | | | | | | 2,100 PSI. PRESSURE HELD WITH NO LEAKS. |
| Event | 10 | Drop Bottom Plug | Drop Bottom Plug | 7/15/2019 | 15:42:34 | COM5 | 8.30 | 0.00 | 1.00 | 3.10 | BOTTOM PLUG LEFT PLUG CONTAINER. WITNESSED BY COMPANY MAN |
| Event | 11 | Pump Spacer 1 | Pump Spacer 1 | 7/15/2019 | 15:43:11 | COM5 | 8.33 | 2.00 | 74.00 | 0.00 | PUMP 80 BBLS OF TUNED PRIMED SPACER @ 12.5 LB/GAL, 2.72 FT3/SK, 16.3 GAL/SK 10 GALLONS D-AIR. DENSITY VERIFIED BY PRESSURIZED MUD SCALES. PUMP RATE 5 BBLS/MIN @ 340 PSI. |
| Event | 12 | Check Weight | Check Weight | 7/15/2019 | 15:45:02 | COM5 | 12.38 | 4.90 | 421.00 | 6.60 | DENSITY VERIFIED BY PRESSURIZED MUD SCALES |
| Event | 13 | Pump Lead Cement | Pump Lead Cement | 7/15/2019 | 15:58:30 | COM5 | 12.28 | 4.90 | 222.00 | 0.00 | PUMPED 1203 SKS OF ELASTICEM LEAD CEMENT @ 13.2 LB/GAL, 1.57 FT3/SK, 7.54 GAL/SK. 336 BBLS, TOL @ SURFACE. DENSITY VERIFIED BY PRESSURIZED MUD SCALES. PUMP RATE 8 BBLS/MIN @ 650 PSI. |
| Event | 14 | Check Weight | Check Weight | 7/15/2019 | 15:59:49 | COM5 | 12.99 | 4.90 | 243.00 | 6.50 | DENSITY VERIFIED BY PRESSURIZED MUD SCALES |
| Event | 15 | Check Weight | Check Weight | 7/15/2019 | 16:07:52 | COM5 | 13.29 | 8.40 | 585.00 | 71.60 | DENSITY VERIFIED BY PRESSURIZED MUD SCALES |
| Event | 16 | Check Weight | Check Weight | 7/15/2019 | 16:12:36 | COM5 | 13.26 | 8.40 | 480.00 | 111.40 | DENSITY VERIFIED BY PRESSURIZED MUD SCALES |
| Event | 17 | Check Weight | Check Weight | 7/15/2019 | 16:16:23 | COM5 | 13.22 | 8.40 | 438.00 | 143.30 | DENSITY VERIFIED BY PRESSURIZED MUD SCALES |
| Event | 18 | Pump Tail Cement | Pump Tail Cement | 7/15/2019 | 16:42:28 | COM5 | 13.41 | 8.40 | 516.00 | 363.00 | PUMP 1082 SKS OF NEOCEM @ 13.2 LB/GAL, 2.04 FT3/SK, 9.75 GAL/SK, 394 BBLS. HOT CALCULATED |

@ 9,635.29', TOT
 CALCULATED @ 7,576.71'.
 DENSITY VERIFIED BY
 PRESSURIZED MUD SCALES.
 PUMP RATE 8 BBLS/MIN @
 650 PSI.

| | | | | | | | | | | | |
|-------|----|----------------------|----------------------|-----------|----------|------|-------|-------|---------|--------|---|
| Event | 19 | Check Weight | Check Weight | 7/15/2019 | 16:43:57 | COM5 | 13.27 | 8.40 | 620.00 | 12.50 | DENSITY VERIFIED BY PRESSURIZED MUD SCALES. |
| Event | 20 | Check Weight | Check Weight | 7/15/2019 | 17:16:58 | COM5 | 13.26 | 8.00 | 830.00 | 288.20 | DENSITY VERIFIED BY PRESSURIZED MUD SCALES. |
| Event | 21 | Shutdown | Shutdown | 7/15/2019 | 17:33:56 | COM5 | 13.84 | 0.00 | 7.00 | 419.60 | SHUTDOWN TO WASH LINES. |
| Event | 22 | Drop Top Plug | Drop Top Plug | 7/15/2019 | 17:43:47 | COM5 | 1.28 | 0.00 | -7.00 | 441.30 | TOP PLUG LEFT CONTAINER, VERIFIED BY CO. MAN. |
| Event | 23 | Pump Displacement | Pump Displacement | 7/15/2019 | 17:43:54 | COM5 | 1.27 | 0.00 | -7.00 | 441.30 | BEGIN CALCULATED DISPLACEMENT OF 380 BBLS WITH FRESH WATER. 10 GAL OFF MMCR IN THE FIRST 20 BBLS. 3 POUNDS OF BE3S AND 20 GAL OF CLA-WEB DISTRIBUTED EVENLY BETWEEN 20 BBL-300 BBLS IN DISPLACEMENT. 10 GAL OF MMCR IN THE LAST 70 BBLS OF DISPLACEMENT |
| Event | 24 | Displ Reached Cement | Displ Reached Cement | 7/15/2019 | 17:45:00 | USER | 8.62 | 10.70 | 318.00 | 6.40 | CAUGHT CEMENT 10 BBLS INTO DISPLACEMENT. SPACER TO SURFACE @ 285 BBLS INTO DISPLACEMENT. 80 BBLS OF TUNED SPACER TO SURFACE. 15 BBLS OF CEMENT TO SURFACE |
| Event | 25 | Bump Plug | Bump Plug | 7/15/2019 | 18:30:33 | COM5 | 8.60 | 0.00 | 2807.00 | 392.20 | PLUG BUMPED AT CALCULATED DISPLACEMENT. 2,387 PSI PRESSURED UP 500 PSI |

| Event | ID | Description | Location | Date | Time | User | Start | End | Start | End | Notes |
|-------|----|-------------------------------------|-------------------------------------|-----------|----------|------|-------|------|---------|--------|---|
| | | | | | | | | | | | OVER FINAL CIRCULATING PRESSURE. |
| Event | 26 | Pressure Up Well | Pressure Up Well | 7/15/2019 | 18:30:37 | COM5 | 8.61 | 0.00 | 2813.00 | 392.20 | PRESSURED UP WELL TO 5,180 PSI TO SHIFT THE WET SHOE SUB AND PUMPED A 6 BBL WET SHOE. |
| Event | 27 | Other | Other | 7/15/2019 | 18:33:56 | COM5 | 8.51 | 0.00 | 481.00 | 397.20 | RELEASED PRESSURE TO CHECK FLOATS, FLOATS HELD, 3.5 BBLS BACK. |
| Event | 28 | End Job | End Job | 7/15/2019 | 18:35:12 | COM5 | 8.66 | 0.00 | -6.00 | 0.00 | STOP RECORDING JOB DATA. |
| Event | 29 | Pre-Rig Down Safety Meeting | Pre-Rig Down Safety Meeting | 7/15/2019 | 18:40:00 | USER | | | | | DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH WEATHER, LOCATION AND RIGGING DOWN IRON AND HOSES. |
| Event | 30 | Rig-Down Completed | Rig-Down Completed | 7/15/2019 | 20:00:00 | USER | | | | | ALL HALLIBURTON ITEMS WERE STOWED FOR TRAVEL, AND LOCATION WAS CLEAN. |
| Event | 31 | Safety Meeting - Departing Location | Safety Meeting - Departing Location | 7/15/2019 | 20:30:00 | USER | | | | | CREW DISCUSSED ROUTES HAZARDS AND COMMUNICATION WITH CREW. |
| Event | 32 | Crew Leave Location | Crew Leave Location | 7/15/2019 | 20:31:00 | USER | | | | | THANK YOU FOR USING HALLIBURTON – NICK KORNAFEL AND CREW. |

3.0 Attachments

3.1 SRC BOST FARM 5C-11-L 5.5 PRODUCTION-Custom Results.png

