

HALLIBURTON

iCem[®] Service

SYNERGY RESOURCES CORPORATION

Date: Monday, February 22, 2016

SRC Vista 43-2C

Production

Job Date: Friday, February 19, 2016

Sincerely,
Lauren Roberts

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **SRC Vista 43-2C** 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.

20 bbls 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]

The Road to Excellence Starts with Safety

| | | | | | | | | | | | |
|---|-------------------|-----------------------------|----------------------|---|---------------|-------------------------------------|-------------------------------|-----------------------|----------------------|----------------------|----------------------------|
| Sold To #: 359915 | | Ship To #: 3700826 | | Quote #: | | Sales Order #: 0903127490 | | | | | |
| Customer: SYNERGY RESOURCES CORPORATION | | | | | | Customer Rep: Sean Devereaux | | | | | |
| Well Name: SRC VISTA | | | Well #: 43-2C | | | API/UWI #: 05-123-41054-00 | | | | | |
| Field: WATTENBERG | | City (SAP): BERTHOUD | | County/Parish: WELD | | State: COLORADO | | | | | |
| Legal Description: NW SW-2-4N-68W-2183FSL-254FWL | | | | | | | | | | | |
| Contractor: PRECISION DRLG | | | | Rig/Platform Name/Num: PRECISION 462 | | | | | | | |
| Job BOM: 7523 | | | | | | | | | | | |
| Well Type: HORIZONTAL OIL | | | | | | | | | | | |
| Sales Person: HALAMERICA\HX38199 | | | | Srv Supervisor: Vaughn Oteri | | | | | | | |
| Job | | | | | | | | | | | |
| | | | | | | | | | | | |
| Formation Name | | | | | | | | | | | |
| Formation Depth (MD) | | Top | | Bottom | | | | | | | |
| Form Type | | | | BHST | | | | | | | |
| Job depth MD | | 11700ft | | 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 | 1638 | | 1638 | |
| Casing | | 5.5 | 4.892 | 17 | | P-110 | 0 | 11682 | 0 | | |
| Open Hole Section | | | 8.5 | | | | 1638 | 11700 | 1638 | | |
| | | | | | | | | | | | |
| Tools and Accessories | | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | | Type | Size in | Qty | Make | | |
| Guide Shoe | 5.5 | | | | | Top Plug | 5.5 | 1 | Weatherford | | |
| Float Shoe | 5.5 | | | 11682 | | Bottom Plug | 5.5 | 1 | Weatherford | | |
| Float Collar | 5.5 | | | 11588 | | SSR plug set | 5.5 | | HES | | |
| Insert Float | 5.5 | | | | | Plug Container | 5.5 | 1 | HES | | |
| Stage Tool | 5.5 | | | | | Centralizers | 5.5 | | HES | | |
| | | | | | | | | | | | |
| 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 Spacer III | Tuned Spacer III | | | 40 | bbl | 11.5 | 3.86 | | 6 | |

| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft ³ /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
|--|-------------------|---|-------|---------|---------------------------|--------------------------------|------------------|-----------------|------------------------|
| 2 | Lead ElastiCem | ELASTICEM (TM) SYSTEM | 1015 | sack | 13.2 | 1.57 | | 6 | 7.51 |
| 7.51 Gal | | FRESH WATER | | | | | | | |
| | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft ³ /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
| 3 | Tail EconoCem | ECONOCHEM (TM) SYSTEM | 761 | sack | 13.5 | 1.65 | | 4 | 7.86 |
| | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft ³ /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
| 4 | MMCR Displacement | MMCR Displacement | 40 | bbl | 8.34 | | | | |
| 0.50 gal/bbl | | MICRO MATRIX CEMENT RETARDER, 5 GAL PAIL (100003781) | | | | | | | |
| | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft ³ /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
| 5 | Water | Water | 230 | bbl | 8.33 | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Cement Left In Pipe | | Amount | 94 ft | | Reason | | | Shoe Joint | |
| | | | | | | | | | |
| Comment 20bbl of cement back to surface | | | | | | | | | |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | PS Pump Press (psi) | DH Density (ppg) | PS Pump Rate (bbl/min) | Comments |
|-------|----------|-------------------|-------------------|-----------|----------|--------|------------------------|---------------------|---------------------------|--|
| Event | 1 | Call Out | Call Out | 2/19/2016 | 03:00:00 | USER | | | | Call out from ARC hub |
| Event | 2 | Arrive At Loc | Arrive At Loc | 2/19/2016 | 09:30:00 | USER | | | | Requested on location 1000 Arrived on location@0930 met with company rep to discuss job process and concerns advised they had about 30joints left to run |
| Event | 3 | Other | Well info | 2/19/2016 | 09:35:00 | USER | | | | Well info Td 11700 TP11682 FC 11588 SURF 1638 MUD 10.5 TOE 11542 |
| Event | 4 | Start Job | Start Job | 2/19/2016 | 15:19:06 | COM4 | | | | Held pre-job safety meeting with all hands on location to discuss job process and hazards |
| Event | 5 | Test Lines | Test Lines | 2/19/2016 | 15:21:31 | COM4 | 91.00 | 8.53 | 0.00 | Pressure tested pumps and lines found no leaks and pressure held well |
| Event | 6 | Pump Spacer 1 | Pump Spacer 1 | 2/19/2016 | 15:28:37 | COM4 | 57.00 | 8.54 | 0.00 | Pumped 25bbl of fresh water with red tracer dye |
| Event | 7 | Check Weight | Check weight | 2/19/2016 | 15:29:32 | COM4 | 353.00 | 8.30 | 2.00 | Confirmed weight on scales |
| Event | 8 | Pump Spacer 2 | Pump Spacer 2 | 2/19/2016 | 15:39:38 | COM4 | 408.00 | 9.06 | 3.00 | Mixed 40bbl of 11.5ppg tuned spacer at 5.0bpm 341psi |
| Event | 9 | Drop Bottom Plug | Drop Bottom Plug | 2/19/2016 | 15:47:05 | COM4 | 332.00 | 11.44 | 3.00 | Released plug witnessed by company rep |
| Event | 10 | Check Weight | Check weight | 2/19/2016 | 15:51:29 | COM4 | 261.00 | 11.40 | 0.00 | Confirmed weight on scales |
| Event | 11 | Pump Lead Cement | Pump Lead Cement | 2/19/2016 | 15:53:20 | COM4 | 411.00 | 12.01 | 1.20 | Mixed 283bbl of 13.2ppg Y1.57 G/SK7.51 of ElastiCem at 8.0bpm 448psi |
| Event | 12 | Pump Tail Cement | Pump Tail Cement | 2/19/2016 | 16:31:13 | COM4 | 265.00 | 13.02 | 8.00 | Mixed 223bbl of 13.5ppg Y1.65 G/SK7.86 of EconoCem at 8.0bpm 273psi |
| Event | 13 | Check Weight | Check weight | 2/19/2016 | 16:36:26 | COM4 | 304.00 | 13.47 | 8.00 | Confirm weight on scales |
| Event | 14 | Shutdown | Shutdown | 2/19/2016 | 17:02:59 | COM4 | 79.00 | 13.91 | 0.60 | |
| Event | 15 | Drop Plug | Drop Plug | 2/19/2016 | 17:03:23 | COM4 | 13.00 | 14.72 | 0.00 | Released plug witnessed by company rep |
| Event | 16 | Pump Displacement | Pump Displacement | 2/19/2016 | 17:13:11 | COM4 | 9.00 | 8.00 | 0.00 | Pumped 270bbl of water with MCCR in first 40 230bbl of biocide |

| | | | | | | | | | | |
|-------|----|--------------------|--------------------|-----------|----------|------|---------|------|-------|---|
| Event | 17 | Displ Reached Cmnt | Displ Reached Cmnt | 2/19/2016 | 17:16:35 | COM4 | 772.00 | 8.34 | 11.00 | Caught cement |
| Event | 18 | Bump Plug | Bump Plug | 2/19/2016 | 17:56:02 | COM4 | 2719.00 | 8.44 | 0.00 | Bumped plug 500psi over final pump pressure (lift2170 final 2710) |
| Event | 19 | Other | Other | 2/19/2016 | 18:02:00 | COM4 | 2839.00 | 8.44 | 0.00 | Released pressure back to pump truck to check floats 2.5bbl back floats held good |
| Event | 20 | End Job | End Job | 2/19/2016 | 18:04:35 | COM4 | 27.00 | 8.42 | 0.00 | 20bbl of cement back to surface totc 6200.84' |
| Event | 21 | Other | Water info | 2/19/2016 | 18:22:27 | USER | | | | Ph7 CL0 temp 50 |

3.0 Attachments

3.1 Case 1-Custom Results.png



