

HALLIBURTON

iCem[®] Service

VERDAD RESOURCES LLC-EBUS

SONIC STAR 1101-01H

Production Casing

Job Date: Thursday, September 23, 2021

Sincerely,

KYLE BATH

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 Sonic Star 1101-01H production casing. 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 50 bbl. 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 Fort Lupton

The Road to Excellence Starts with Safety

| Sold To #: 380688 | | Ship To #: 3678986 | | Quote #: | | Sales Order #: 0907396939 | | | | |
|---|------------|---------------------------|-------------------------|---|-----------------------------------|----------------------------------|--------------|--------------------|------------------|------------------|
| Customer: VERDAD RESOURCES LLC-EBUS | | | | Customer Rep: Verdad Rep | | | | | | |
| Well Name: SONIC STAR | | | Well #: 1101-01H | | API/UWI #: 05-123-41858-00 | | | | | |
| Field: WILDCAT | | City (SAP): KEOTA | | County/Parish: WELD | | State: COLORADO | | | | |
| Legal Description: SE SE-11-8N-60W-243FSL-230FEL | | | | | | | | | | |
| Contractor: PRECISION DRLG | | | | Rig/Platform Name/Num: PRECISION 464 | | | | | | |
| Job BOM: 7523 | | | | | | | | | | |
| Well Type: HORIZONTAL OIL | | | | | | | | | | |
| Sales Person: HALAMERICA\HX41066 | | | | Srvc Supervisor: Kyle Bath | | | | | | |
| Job | | | | | | | | | | |
| | | | | | | | | | | |
| Job depth MD | | 16838ft | | Job Depth TVD | | 6173ft | | | | |
| | | | | | | | | | | |
| 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 | 1918 | 0 | 1918 |
| Casing | | 5.5 | 4.892 | 20 | | | 0 | 16838 | 0 | 6172 |
| Open Hole Section | | | 8.5 | | | | 1918 | 16853 | 1897 | 6172 |
| | | | | | | | | | | |
| Tools and Accessories | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | | Type | Size in | Qty | Make | |
| Float Shoe | 5.5 | | | 16838 | | Top Plug | 5.5 | 1 | HES | |
| Float Collar | 5.5 | | | 16797 | | Bottom Plug | 5.5 | 1 | HES | |
| | | | | | | Plug Container | 5.5 | 1 | HES | |
| | | | | | | Centralizers | 5.5 | 182 | HES | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Fluid Data | | | | | | | | | |
|---------------------|--------------|--------------------|---------------------|---------|---------------------------|-------------------|------------------------|-----------------|------------------------|
| Stage #: 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 | Spacer | Tuned Prime Spacer | 100 | bbl | 11.5 | 3.71 | | 5 | 3530 |
| | | | | | | | | | |
| 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 | Lead Cement | ElastiCem™ | 1069 | sack | 13.2 | 1.6 | 7.66 | 7.8 | 8189 |
| | | | | | | | | | |
| 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 | Tail Cement | NeoCem™ | 1263 | sack | 13.2 | 2.02 | 9.71 | 8.7 | 12264 |
| | | | | | | | | | |
| 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 | Displacement | MMCR Fresh Water | 40 | bbl | 8.34 | | | 7.1 | 1670 |
| | | | | | | | | | |
| 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 | Displacement | Fresh Water | 332 | bbl | 8.34 | | | 7.1 | 13944 |
| | | | | | | | | | |
| | | | | | | | | | |
| Cement Left In Pipe | | Amount | 41 ft | | Reason | | | Shoe Joint | |
| Mix Water: | | pH 7 | Mix Water Chloride: | | 0 ppm | | Mix Water Temperature: | | 67 °F |
| Plug Bumped? | | Yes | Plug Displaced by: | | 8.33 lb/gal Fresh Water | | Disp. Temperature: | | 67 °F |
| Cement Returns: | | 50 bbl. | Bump Pressure: | | 2494 psi | | Floats Held? | | Yes |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Seq. No. | Activity | Date | Time | Cmb Pump Rate (bbl/min) | Cmb Stg Total (bbl) | Dwnhole Density (ppg) | Pump A Pressure (psi) | Comments |
|----------|---------------------------------------|-----------|----------|----------------------------|------------------------|--------------------------|--------------------------|--|
| 1 | Call Out | 9/23/2021 | 05:00:00 | | | | | CREW CALLED OUT, REQUESTED ON LOCATION 11:00 |
| 2 | Depart Yard Safety Meeting | 9/23/2021 | 13:00:00 | | | | | PRE CONVOY SAFETY MEETING WITH ALL HES EE |
| 3 | Crew Leave Yard | 9/23/2021 | 13:15:00 | | | | | CREW DEPART YARD FOR LOCATION |
| 4 | Arrive At Loc | 9/23/2021 | 14:00:00 | | | | | ARRIVE ON LOCATION, RECIEVED NUMBERS FROM CO REP, TD 16853, TP 16838, SJ 16797, CSG 5.5 17#, PREV CSG 9 5/8 36# @ 1918, HOLE 8.5, MUD 9.7, TVD 6172, 182 CENTALIZERS, WATER TEST, TEMP 67, CHLORIDES 0, PH 7 |
| 5 | Assessment Of Location Safety Meeting | 9/23/2021 | 14:15:00 | | | | | SAFETY MEETING WITH ALL HES EE TO ASSESS ALL HAZARDS |
| 6 | Safety Meeting - Pre Rig-Up | 9/23/2021 | 14:30:00 | 0.00 | 0.21 | 0.00 | 16.92 | PRE RIG UP SAFETY MEETING WITH ALL HES EE |
| 7 | Safety Meeting - Pre Job | 9/23/2021 | 15:10:00 | 0.00 | 15.88 | 8.28 | 13.28 | PRE JOB SAFETY MEETING WITH RIG CREW AND CO REP |
| 8 | Start Job | 9/23/2021 | 15:45:02 | 0.00 | 0.00 | 8.30 | 7.96 | START RECORDING DATA |
| 9 | Test Lines | 9/23/2021 | 15:48:28 | 0.00 | 5.26 | 8.33 | 26.00 | TEST LINES TO 4820 PSI |
| 10 | Pump Spacer 1 | 9/23/2021 | 15:57:31 | 0.00 | 0.00 | 8.35 | 35.13 | PUMP 100 BBLS TUNED PRIME SPACER 11.5 PPG 7 BPM 250 PSI |
| 11 | Drop Bottom Plug | 9/23/2021 | 16:16:51 | 6.63 | 97.78 | 11.26 | 130.21 | LAUNCH BOTTOM PLUG |

| | | | | | | | | |
|----|--------------------------------|-----------|----------|------|--------|-------|---------|--|
| 12 | Pump Lead Cement | 9/23/2021 | 16:16:55 | 6.72 | 0.11 | 11.26 | 136.58 | MIX AND PUMP 1069 SKS 304.6 BBLD LEAD CEMENT 13.2 PPG, 1.6 FT3/SK, 7.66 GAL/SK 8 BPM 440 PSI, CALCULATED TOLC SURFACE |
| 13 | Check Weight | 9/23/2021 | 16:21:08 | 7.89 | 29.72 | 13.18 | 400.79 | VERIFY WEIGHT ON PRESSURIZED MUD SCALES |
| 14 | Pump Tail Cement | 9/23/2021 | 16:56:55 | 7.86 | 0.13 | 13.01 | 323.64 | MIX AND PUMP 1263 SKS 454.4 BBLS TAIL CEMENT 13.2 PPG, 2.02 FT3/SK, 9.71 GAL/SK 9 BPM 950 PSI, CALCULATED TOTC 5727 |
| 15 | Check Weight | 9/23/2021 | 17:00:59 | 8.00 | 32.49 | 13.20 | 691.97 | VERIFY WEIGHT ON PRESSURIZED MUD SCALES |
| 16 | Shutdown | 9/23/2021 | 17:51:12 | 0.00 | 473.16 | 12.97 | 197.26 | SHUTDOWN AND WASH UP PUMPS AND LINES TO TANK |
| 17 | Drop Top Plug | 9/23/2021 | 17:59:54 | 0.00 | 12.67 | 8.46 | -3.21 | LAUNCH TOP PUG |
| 18 | Pump Displacement | 9/23/2021 | 18:00:07 | 0.00 | 0.00 | 8.34 | -2.88 | PUMP 372 BBLS BIOCIDES DISPLACEMENT, FIRST 40 BBLS W/MMCR, 9 BPM, 3300 PSI, RECEIVED 100 BBLS TUNED PRIME SPACER AND 50 BBLS CEMENT TO SURFACE |
| 19 | Bump Plug | 9/23/2021 | 18:52:42 | 0.00 | 370.36 | 8.54 | 3434.76 | BUMP PLUG AT 2494 PSI TOOK TO 3500 PSI |
| 20 | Check Floats | 9/23/2021 | 19:03:08 | 0.00 | 370.36 | 8.54 | 3662.35 | FLOATS HELD TOOK 2.5 BBLS BACK |
| 21 | End Job | 9/23/2021 | 19:05:37 | 0.00 | 0.00 | 8.25 | 19.59 | |
| 22 | Safety Meeting - Pre Rig-Down | 9/23/2021 | 19:09:54 | | | | | PRE RIG DOWN SAFETY MEETING WITH ALL HES EE |
| 23 | Depart Location Safety Meeting | 9/23/2021 | 20:30:00 | | | | | PRE DEPARTURE SAFETY MEETING WITH ALL HES EE |
| 24 | Crew Leave Location | 9/23/2021 | 21:00:00 | | | | | THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW |

3.0 Attachments

3.1 Job Chart

