

HALLIBURTON

iCem[®] Service

CRESTONE PEAK RESOURCES-EBUS

Ft. Lupton District, COLORADO

Prosper Farms 4-65 14-13 3BH Production

Job Date: Wednesday, October 05, 2022

Sincerely,

Meghan Van Zyl

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 **Prosper Farms 4-65 14-13 3BH** 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 53 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 Fort Lupton

| | | | | | | | | | | |
|--|-------------------|-------------------------------|------------------------|---|----------------|----------------------------------|----------------------------------|----------------------|---------------------|----------------------------|
| Sold To #: 324725 | | Ship To #: 9140426 | | Quote #: | | Sales Order #: 0908155886 | | | | |
| Customer: CRESTONE PEAK RESOURCES-EBUS | | | | Customer Rep: Jose Torres | | | | | | |
| Well Name: PROSPER FARMS 4-65 14-13 3BH | | | Well #: 9140426 | | | API/UWI #: 005-07505 | | | | |
| Field: | | City (SAP): WATKINS | | County/Parish: Arapahoe | | | State: COLORADO | | | |
| Legal Description: | | | | | | | | | | |
| Contractor: PATTERSON-UTI ENERGY | | | | Rig/Platform Name/Num: PATTERSON 572 | | | | | | |
| Job BOM: 7523 7523 | | | | | | | | | | |
| Well Type: HORIZONTAL OIL | | | | | | | | | | |
| Sales Person: HALAMERICA\HX41066 | | | | Srv Supervisor: Kyle Bath | | | | | | |
| Job | | | | | | | | | | |
| Formation Name | | | | | | | | | | |
| Formation Depth (MD) | | Top | | | | Bottom | | | | |
| Form Type | | | | BHST | | | | | | |
| Job depth MD | | 18394ft | | 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 | | | 0 | 3447 | 0 | |
| Casing | 0 | 5.5 | 4.778 | 20 | | | 0 | 18392 | 0 | |
| Open Hole Section | | | 8.5 | | | | 3447 | 18394 | 3447 | |
| Tools and Accessories | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | | Type | Size in | Qty | Make | |
| Guide Shoe | 5.5 | | | 18392 | | Top Plug | 5.5 | | HES | |
| Float Shoe | 5.5 | | | | | Bottom Plug | 5.5 | | HES | |
| Float Collar | 5.5 | | | | | SSR plug set | 5.5 | | HES | |
| Insert Float | 5.5 | | | | | Plug Container | 5.5 | | 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 Prime | TUNED PRIME CEMENT SPACER SYS | | 50 | bbl | 11.5 | 3.74 | 23.64 | 6 | 1775 |

| 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 | Cap | SBM CEM ELASTICEM™ SYS | 575 | sack | 13 | 1.66 | 8.23 | 8 | 4732 |
| | | | | | | | | | |
| 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 | IsoBond Lead Cement | SBM CEM FDP-C1371 SYS | 805 | sack | 13 | 1.55 | 7.14 | 8 | 5747 |
| | | | | | | | | | |
| 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 | ElastiCem | SBM CEM ELASTICEM™ SYS | 1540 | sack | 13.2 | 1.59 | 7.78 | 8 | 11981 |
| | | | | | | | | | |
| 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 | Displacement | Displacement | 407 | bbl | 10 | | | 8 | 17094 |
| | | | | | | | | | |
| | | | | | | | | | |
| Comment 984bbbls mix water total used. | | | | | | | | | |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Seq No. | Activity | Date | Time | Dwnhole Density (ppg) | Cmb Pump Rate (bbl/min) | Pump A Pressure (psi) | Cmb Stg Total (bbl) | Comments |
|------------|--|-----------|----------|-----------------------------|----------------------------------|-----------------------------|---------------------------|---|
| 1 | Call Out | 10/5/2022 | 10:30:00 | | | | | CREW CALLED OUT, REQUESTED ON LOCATION @ 16:30 |
| 2 | Depart Yard Safety Meeting | 10/5/2022 | 14:15:00 | | | | | PRE JOURNEY SAFETY MEETING WITH ALL HES PERSONNEL, DISCUSS ROUTE AND HAZARDS ASSOCIATED WITH THE JOURNEY |
| 3 | Crew Leave Yard | 10/5/2022 | 14:30:00 | | | | | ALL HES EMPLOYEES IN ROUTE TO LOCATION |
| 4 | Arrive at Location from Service Center | 10/5/2022 | 16:00:00 | | | | | CREW ON LOCATION, RECIEVED NUMBERS FROM CO REP, TD 18394, TP 18392, SJ 5, CSG 5.5 20#, PREV CSG 9 5/8 36# @ 3447, HOLE 8.5, MUD 9.4, TVD 7815, 270 CENTRALIZERS, WATER TEST, TEMP 65, PH 7, CHLORIDES 0 |
| 5 | Assessment Of Location Safety Meeting | 10/5/2022 | 16:15:00 | | | | | ASSESSMENT OF LOCATION SAFETY MEETING WITH ALL HES EE'S TO DISCUSS SITE SPECIFIC HAZARDS |
| 6 | Safety Meeting - Pre Rig-Up | 10/5/2022 | 16:30:00 | | | | | PRE RIG UP SAFETY MEETING WITH ALL HES EE'S TO DISCUSS HAZARDS BEFORE RIGGING UP |
| 7 | Safety Meeting - Pre Job | 10/5/2022 | 18:30:00 | 8.24 | 0.00 | -1.98 | 33.88 | PRE JOB SAFETY MEETING WITH ALL HES EE'S, RIG HANDS AND CO REP TO DISCUSS HAZARDS DURING JOB |
| 8 | Start Job | 10/5/2022 | 19:02:33 | 8.26 | 0.00 | 14.53 | 33.88 | START RECORDING DATA |
| 9 | Drop Bottom Plug | 10/5/2022 | 19:02:37 | 8.27 | 0.00 | 14.22 | 33.88 | LAUNCH BOTTOM PLUG |
| 10 | Test Lines | 10/5/2022 | 19:04:11 | 8.27 | 0.00 | 214.54 | 36.14 | TEST LINES TO 6390 PSI |

| | | | | | | | | |
|----|--------------------------------|-----------|----------|-------|------|---------|--------|--|
| 11 | Pump Spacer 1 | 10/5/2022 | 19:07:32 | 8.25 | 0.00 | 98.72 | 0.00 | PUMP 50 BBLS TUNED PRIME SPACER 11.5 PPG, 8 BPM 700 PSI |
| 12 | Pump Cap Cement | 10/5/2022 | 19:15:21 | 11.96 | 7.75 | 512.41 | 0.06 | MIX AND PUMP 575 SKS 169.9 BBLS CAP CEMENT 13 PPG, 1.66 FT3/SK, 8.23 GAL/SK, 9 BPM 1200 PSI, CALCULATED TOCC SURFACE |
| 13 | Pump Lead Cement | 10/5/2022 | 19:34:52 | 12.57 | 7.03 | 541.83 | 0.06 | MIX AND PUMP 805 SKS 222.2 BBLS LEAD CEMENT 13 PPG, 1.55 FT3/SK, 7.14 GAL/SK, 9 BPM 1200 PSI, CALCULATED TOLC 2434 |
| 14 | Pump Tail Cement | 10/5/2022 | 20:00:34 | 13.13 | 8.86 | 1000.43 | 0.07 | MIX AND PUMP 1540 SKS 436.1 BBLS TAIL CEMENT 13.2 PPG, 1.59 FT3/SK, 7.78 GAL/SK, 9 BPM 950 PSI, CALCULATED TOTC 7703 |
| 15 | Shutdown | 10/5/2022 | 20:52:19 | 13.75 | 0.00 | 200.72 | 442.96 | SHUTDOWN, WASH PUMPS AND LINES TO TANK |
| 16 | Drop Top Plug | 10/5/2022 | 21:01:18 | 7.45 | 0.00 | 7.70 | 461.56 | LAUNCH TOP PLUG |
| 17 | Pump Displacement | 10/5/2022 | 21:01:26 | 7.45 | 0.00 | 6.75 | 0.00 | PUMP 407 BBLS FRESH WATER DISPLACEMENT, FIRST 20 BBLS W/MMCR, 10 BPM 3400 PSI, RECEIVED 50 BBLS TUNED PRIME SPACER AND 53 BBLS CEMENT TO SURFACE |
| 18 | Bump Plug | 10/5/2022 | 21:50:52 | 8.38 | 0.03 | 2953.79 | 400.03 | BUMP PLUG AT 2650 PSI TOOK TO 3400 PSI |
| 19 | Check Floats | 10/5/2022 | 21:54:16 | 8.37 | 0.00 | 3218.10 | 400.23 | CHECK FLOATS, FLOATS HELD TOOK 4.5 BBLS BACK |
| 20 | End Job | 10/5/2022 | 21:56:19 | 8.17 | 0.00 | 6.48 | 400.23 | STOP RECORDING DATA, USED 1017 BBLS FRESH WATER FOR JOB |
| 21 | Safety Meeting - Pre Rig-Down | 10/5/2022 | 22:00:00 | | | | | PRE RIG DOWN SAFETY MEETING WITH ALL HES EE'S TO DISCUSS HAZARDS ASSOCIATED WITH RIGGING DOWN |
| 22 | Depart Location Safety Meeting | 10/5/2022 | 23:00:00 | | | | | PRE DEPARTURE SAFETY MEETING WITH ALL HES EE'S TO DISCUSS ROUTES AND HAZARDS ASSOCIATED WITH THE JOURNEY |

23 Crew Leave Location 10/5/2022 23:30:00

THANK YOU FOR USING HALLIBURTON, KYLE BATH AND
CREW.

3.0 Attachments

3.1 Real Time iCem Job Chart

