

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS-EBUS

Date: Tuesday, April 24, 2018

Coyote Trails 33S-20-7N Surface

Job Date: Wednesday, March 28, 2018

Sincerely,

Bryce Hinsch

Legal Notice

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Coyote Trails 33S-20-7N** cement **surface** 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 25 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]

The Road to Excellence Starts with Safety

| | | | | | | | | | | |
|--|----------------|--------------------|-------------------|--|--------------------------|----------------------------|-----------------|--------------|---------------------|------|
| Sold To #: 369404 | | Ship To #: 3843098 | | Quote #: | | Sales Order #: 0904742311 | | | | |
| Customer: EXTRACTION OIL & GAS - | | | | Customer Rep: Jose Torres | | | | | | |
| Well Name: COYOTE TRAILS | | | Well #: 33S-20-7N | | | API/UWI #: 05-123-45989-00 | | | | |
| Field: WATTENBERG | | City (SAP): ERIE | | County/Parish: WELD | | | State: COLORADO | | | |
| Legal Description: SW SE-28-1N-68W-1147FSL-2193FEL | | | | | | | | | | |
| Contractor: PATTERSON-UTI ENERGY | | | | Rig/Platform Name/Num: PATTERSON 901 | | | | | | |
| Job BOM: 7521 7521 | | | | | | | | | | |
| Well Type: HORIZONTAL OIL | | | | | | | | | | |
| Sales Person: HALAMERICA\HX38199 | | | | Srvc Supervisor: Kendall Broom - H194727 | | | | | | |
| Job | | | | | | | | | | |
| | | | | | | | | | | |
| Formation Name | | | | | | | | | | |
| Formation Depth (MD) | | Top | | | Bottom | | | | | |
| Form Type | | | | | BHST | | | | | |
| Job depth MD | | 1630ft | | | 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 | 0 | 9.625 | 8.921 | 36 | 8 RD | J-55 | 0 | 1600 | 0 | 0 |
| Open Hole Section | | | 13.5 | | | | 0 | 1630 | 0 | 1630 |
| | | | | | | | | | | |
| Tools and Accessories | | | | | | | | | | |
| | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make | | |
| Guide Shoe | 9.625 | | | | Top Plug | 9.625 | 1 | HES | | |
| Float Shoe | 9.625 | | | 1600 | Bottom Plug | 9.625 | | HES | | |
| Float Collar | 9.625 | | | | SSR plug set | 9.625 | | HES | | |
| Insert Float | 9.625 | | | | Plug Container | 9.625 | 1 | HES | | |
| Stage Tool | 9.625 | | | | Centralizers | 9.625 | | 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 | Red Dye Spacer | Red Dye Spacer | 20 | bbl | 8.33 | | | | | |

| 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 | SwiftCem | SWIFTCEM (TM) SYSTEM | 550 | sack | 13.5 | 1.74 | | 5 | 9.2 | |
| 9.20 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 | |
| 3 | Fresh Water | Fresh Water | 120 | bbl | 8.33 | | | | | |
| | | | | | | | | | | |
| Cement Left In Pipe | | Amount | 44 ft | | Reason | | | Shoe Joint | | |
| Comment | | | | | | | | | | |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | Comb Pump Rate (bbl/min) | DH Density (ppg) | Pump Stg Tot (bbl) | PS Pump Press (psi) | Comments |
|-------|----------|--------------------------|--------------------------|-----------|----------|--------|-----------------------------|---------------------|-----------------------|------------------------|---|
| Event | 1 | Call Out | Call Out | 3/28/2018 | 02:30:00 | USER | | | | | Called out crew to be on location at 0530 |
| Event | 2 | Depart Shop for Location | Depart Shop for Location | 3/28/2018 | 04:30:00 | USER | | | | | Held a safety meeting before leaving for location |
| Event | 3 | Arrive At Loc | Arrive At Loc | 3/28/2018 | 05:15:00 | USER | | | | | Arrived on location and met with the company man |
| Event | 4 | Rig-up Lines | Rig-up Lines | 3/28/2018 | 05:30:00 | USER | | | | | Held a hazard hunt before spotting in trucks and rigging up |
| Event | 5 | Safety Meeting | Safety Meeting | 3/28/2018 | 06:40:00 | USER | 0.00 | 0.03 | 0.00 | -47.00 | Held a safety meeting with crew to discuss the operation and safety |
| Event | 6 | Start Job | Start Job | 3/28/2018 | 06:54:39 | COM5 | 0.00 | 8.44 | 0.00 | -28.00 | Filled lines with 3 bbls water |
| Event | 7 | Test Lines | Test Lines | 3/28/2018 | 06:59:09 | COM5 | 0.00 | 8.45 | 3.00 | 0.00 | Test lines to 3000 psi with a 500 kickout and 5th gear stall. |
| Event | 8 | Pump Spacer 1 | Pump Spacer 1 | 3/28/2018 | 07:00:07 | COM5 | 3.40 | 8.46 | 0.00 | 63.00 | Pumped 10 bbl water spacer |
| Event | 9 | Pump Spacer 1 | Pump Spacer 1 | 3/28/2018 | 07:05:13 | COM5 | 3.40 | 8.45 | 0.00 | 105.00 | Pumped 10 bbla water spacer with red dye |
| Event | 10 | Pump Cement | Pump Cement | 3/28/2018 | 07:08:10 | COM5 | 3.40 | 8.44 | 0.00 | 107.00 | Pumped 170.44 bbls Swiftcem. 550 sks, 13.5 #, 1.74 yield 9.2 gal/sks. Pumped at 5 bpm and 230 psi |
| Event | 11 | Check Weight | Check weight | 3/28/2018 | 07:14:03 | COM5 | 5.00 | 13.54 | 27.20 | 232.00 | Verified weight with pressurized scales |

| | | | | | | | | | | | |
|-------|----|-------------------|-------------------|-----------|----------|------|------|-------|--------|--------|---|
| Event | 12 | Shutdown | Shutdown | 3/28/2018 | 07:44:36 | COM5 | 0.00 | 14.23 | 178.20 | 64.00 | Shut down and washed up the cement head |
| Event | 13 | Drop Top Plug | Drop Top Plug | 3/28/2018 | 07:46:08 | COM5 | 0.00 | 15.94 | 178.20 | 35.00 | Dropped top plug, Preloaded and witnessed by the company man |
| Event | 14 | Pump Displacement | Pump Displacement | 3/28/2018 | 07:46:12 | COM5 | 0.00 | 15.98 | 0.00 | 35.00 | Pumped 120 bbls water displacement. Got 25 bbls cement back to surface. Pumped 10 bpm and 560 psi |
| Event | 15 | Bump Plug | Bump Plug | 3/28/2018 | 08:08:14 | COM5 | 0.00 | 8.04 | 125.80 | 818.00 | Bumped plug at 440 psi final lift pressure |
| Event | 16 | End Job | End Job | 3/28/2018 | 08:09:32 | COM5 | 0.00 | 8.00 | 0.00 | -13.00 | |
| Event | 17 | Rig Down Lines | Rig Down Lines | 3/28/2018 | 08:15:00 | USER | 1.20 | 8.03 | 17.20 | -3.00 | Held A safety meeting before rigging down lines |
| Event | 18 | Depart Location | Depart Location | 3/28/2018 | 09:00:00 | USER | | | | | Held a safety huddle before leaving location |

3.0 Attachments

3.1 Extraction Coyote Trails 33S-20-7N Surface Job Chart

