Form No. GWS-31
02/2017

# WELL CONSTRUCTION AND YIELD ESTIMATE REPORT

State of Colorado, Office of the State Engineer
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WATER RESOURCES
STATE ENGINEER
COLO

1. Well Permit Number: 310863 Receipt Number: 9602417
2. Owner's Well Designation:
3. Well Owner Name: MICHAEL + TARA LaCost
4. Well Location Street Address: 26425 WILLOW GULCH, CLARK, CO 80428
5. As Built GPS Well Location (required): ☐ Zone 12 ☒ Zone 13 Easting: 337158 Northing: 4514361
6. Legal Well Location: SE 1/4, SW 1/4, Sec., 4 Twp. 9 ☒ N or S ☐, Range 85 ☐ E or W ☒, 6 P.M.
County: ROUTT
Subdivision: WILLOW CREEK PASS, Lot A, Block ____, Filing (Unit) 2
7. Ground Surface Elevation: ____ feet Date Completed: 8/14/19 Drilling Method: AIR ROTARY
8. Completed Aquifer Name: Bedrock Total Depth: 300 feet Depth Completed: 300 feet
9. Advance Notification: Was Notification Required Prior to Construction? ☐ Yes ☐ No, Date Notification Given: ____
10. Aquifer Type: (Check one) ☐ Type I (One Confining Layer) ☐ Type I (Multiple Confining Layers) ☐ Laramie-Fox Hills ☒ Type II (Not overlain by Type III) ☐ Type II (Overlain by Type III) ☐ Type III (alluvial/colluvial)

11. Geologic Log:

| Depth | Type | Grain Size | Color | Water Loc. |
|---|---|---|---|---|
| 0-5 | topsoil | | | |
| 5-25 | sand, clay + gravel | | brn | |
| 25-45 | clay Shale | | gray | |
| 45-48 | clay | | | |
| 48-300 | Shale | | gray | 70 |

12. Hole Diameter (in.)

| | From (ft) | To (ft) |
|---|---|---|
| 9 | 0 | 39 |
| 6 1/2 | 39 | 300 |

13. Plain Casing

| OD (in) | Kind | Wall Size (in) | From (ft) | To (ft) |
|---|---|---|---|---|
| 7 | Steel | .188 | +1 | 39 |
| 5 | pvc | sch 40 | 20 | 60 |
| 5 | pvc | sch 40 | 100 | 240 |
| 5 | pvc | sch 40 | 260 | 300 |

Perforated Casing Screen Slot Size (in): .032

| OD (in) | Kind | Wall Size (in) | From (ft) | To (ft) |
|---|---|---|---|---|
| 5 | pvc | sch 40 | 60 | 100 |
| 5 | pvc | sch 40 | 240 | 260 |

14. Filter Pack: NA
Material ____
Size ____
Interval ____

15. Packer Placement: NA
Type ____
Depth ____

16. Grouting Record

| Material | Amount | Density | Interval | Method |
|---|---|---|---|---|
| portland cement | 4 sack | 6 gal/sack | 10 | 39 |

Remarks:

17. Disinfection: Type HTH Amt. Used 9 oz

18. Well Yield Estimate Data: ☐ Check box if Test Data is submitted on Form Number GWS-39, Well Yield Test Report
Well Yield Estimate Method: Air
Static Level: 50 Estimated Yield (gpm): 1.5
Date/Time measured: 8/14/19 Estimate Length (hrs): 2

Remarks:

19. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402 2. The filing of a document that contains false statements is a violation of section 37 91 108(1)(e), C.R.S., and is punishable by fines up to $1,000 and/or revocation of the contracting license. If filing online the State Engineer considers the entry of the licensed contractor's name to be compliance with Rule 17.4.

| Company Name: | Email: | Phone w/area code: | License Number: |
|---|---|---|---|
| Arrow Drilling Co | arrowdrilling@gmail.com | (303) 421-8766 | 1215 |

Mailing Address: 2127 Elderberry Rd Golden, CO 80401

| Sign (or enter name if filing online) | Print Name and Title | Date: |
|---|---|---|
| Peter R Berglund | Peter R Berglund/ Driller | 8/25/19 |