

DAUB & ASSOCIATES, INC.



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GRAND JUNCTION, CO 81507-9649  
(970) 254-1224  
FAX (970) 242-8438  
email: gjdaub@daubandassociates.com  
www.daubandassociates.com

September 15, 2023

Mr. Bill Mills  
Bureau of Land Management  
220 East Market Street  
Meeker, CO 81641

**Re: Natural Soda LLC (NS) Well Sundry Notice for the Plugging and Abandonment of the Seven Rock School Sodium Lease Groundwater Monitoring Wells (AM-2, MWD-1, MWU-2, MWA-2, MWB-2, MWD-2, & RS-96-20-1)**

Dear Mr. Mills:

Natural Soda LLC (NS) plugged and abandoned seven Rock School Lease groundwater monitoring wells, starting in June 2023, and ending with the final plug and abandonment occurring in July 2023. The wells were all cemented to surface. The AM-2, MWA-2, MWB-2 and RS-96-20-1 were cut off below grade, a steel cap with the well name was welded onto the conductor casing and buried. Reclamation of the surface locations will proceed as soon as conditions permit in the spring of 2024, at that time the remaining three wells (MWD-1, MWU-2, and MWD-2), all currently in the fill portion of their respective well locations, will be cut, capped and buried below the final reclaimed grade elevation.

Attached please find the following for the AM-2, MWD-1, MWU-2, MWA-2, MWB-2, MWD-2, & RS-96-20-1:

- BLM 3160-5 form for each well
- Plug and Abandonment Diagrams for each well

Should you have any questions or comments, please contact me at (970) 254-1224 or (970) 216-1010 (c) or Kirk Daehling at (970) 456-1268.

Regards,

A handwritten signature in blue ink that reads "G. J. Daub". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Gerald J. Daub P.G., C.P.G.  
President  
Daub & Associates, Inc.

Cc: Kirk Daehling  
Business Director  
Natural Soda LLC

Amy Yeldell (w/ encl)  
Colorado Division of Reclamation, Mining and Safety

File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. **COC-0119985**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
**Natural Soda LLC**

3a. Address **3200 Rio Blanco County Rd 31  
Rifle, CO. 81650**

3b. Phone No. (include area code)  
**(970) 878-3674**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1130 FNL, 1650 FWL, S21, T1S, R98W, 6th PM**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **AM-2**

9. API Well No.

10. Field and Pool or Exploratory Area  
**Piceance Creek Basin**

11. Country or Parish, State  
**Rio Blanco County, CO**

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |  |  |   |
|---|---|--|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing        | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
|   | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

All depths referenced to GL. The AM-2 well reached the end of its useful life and has been plugged and abandoned. A string of 3/8 inch stainless steel tubing was pulled out of the well. Ran in the hole with a video camera to a depth of 81 feet to verify hole conditions. Well filled with 0.25-inch "pea" gravel and native fill from 90 feet to 81 feet. Poured 9 sacks of 3/8 inch bentonite pellets (6.2 cu.ft.) down hole to fill the hole from 81 feet to 11 feet BGL. The well was topped off from 11 feet to surface with 1.5 sacks of Qwikrete cement (0.97 cu.ft). The casing was dug out to 2 feet BGL, cut off, a marker was installed, and buried. The calculated volume of 81 feet of 4-inch schedule 40 PVC well casing is 7.17 cu.ft. and 7.17 cu.ft. of Bentonite and cement were used to fill the casing. The AM-2 well plug and abandonment was completed on 7/17/23.

For additional information please see attached As-Built Plug and Abandonment diagram.

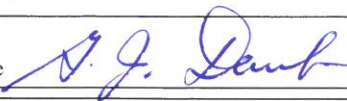
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Gerald J. Daub**

**President, Daub & Associates, Inc.**

Title

Signature



Date

**9/15/2023**

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Natural Soda LLC

Well Abandonment Diagram



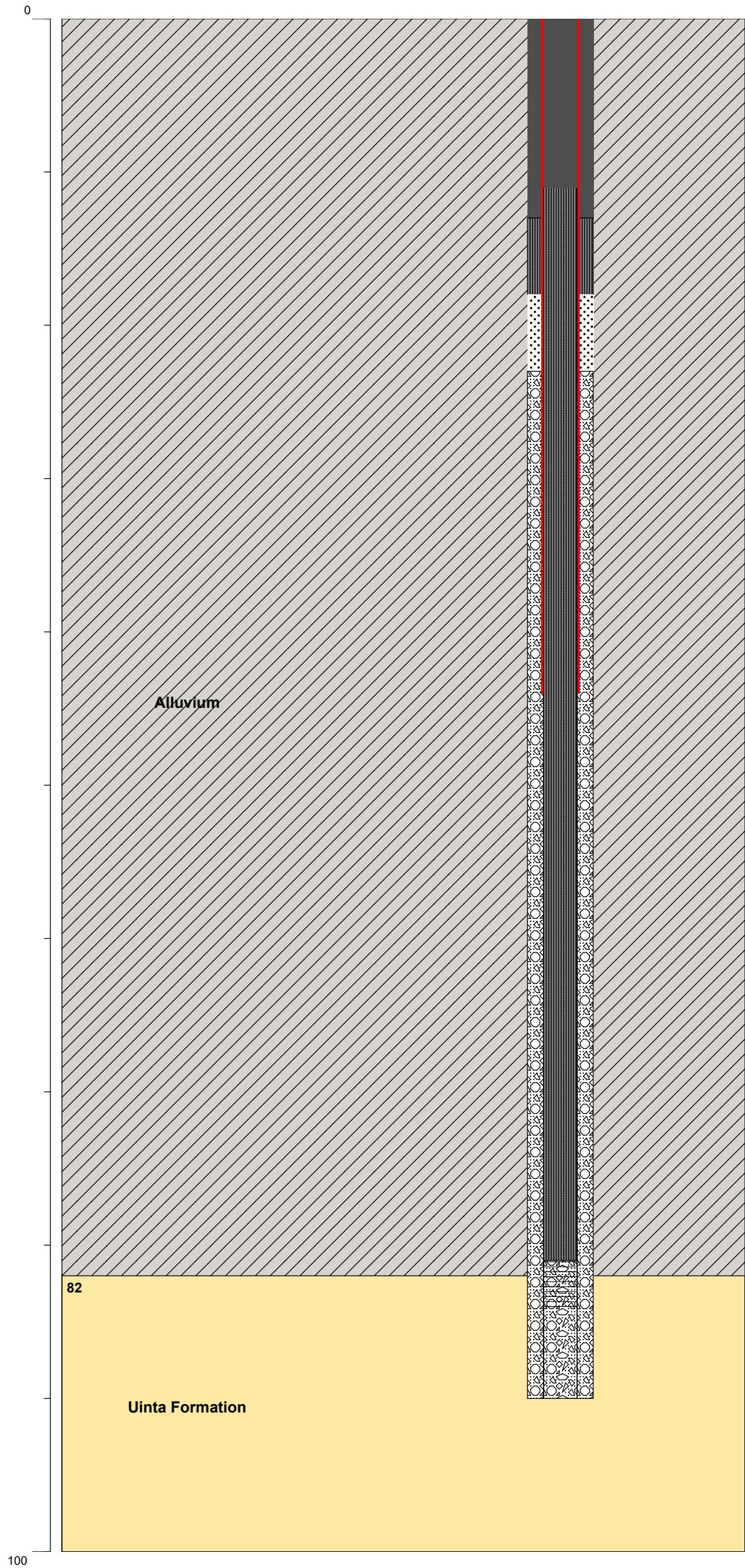
Daub & Associates, Inc.



Well: AM-2  
Section: 21  
Township: 1S  
Range: 98W  
Latitude (83): 39.953770895  
Longitude (83): 108.399835559  
Total Depth, ft: 90.0

Well Type: Alluvium Well  
Hole Type: Rotary Hole  
Ground Elevation, ft: 6274  
WL Measurement Elevation, ft: n/a  
Diagram Date: 8/4/2023

- Cement
- Hole Plug and/or Cement
- Bentonite Plug / Seal
- Sand Plug / Sand Pack
- Bridge Plug
- Pump
- Transducer



DRILLING and COMPLETION SUMMARY  
0.0-90.0: intermediate drill hole, 7.875" dia.  
0.0-44.0: intermediate casing, PVC, 4.500" OD  
44.0-84.0: slotted well screen, PVC, 4.500" OD  
0.0-13.0: intermediate casing cement  
13.0-18.0: bentonite pellet seal  
18.0-23.0: fine sand pack  
23.0-84.0: gravel pack  
84.0-90.0: gravel/native fill

PLUGGED AND ABANDONED: 7/17/2023  
81.0-84.0: gravel/native fill  
11.0-81.0: Bentonite (9 sacks of 3/8" pellets)  
0.0-11.0: Cement, Quickrete 1.5 sacks (1.0 cubic feet)

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Rifle, CO. 81650**

3b. Phone No. (include area code)  
**(970) 878-3674**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **MWD-2**

9. API Well No.

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1428 FNL, 1858 FEL, S20, T1S, R98W, 6th PM**

10. Field and Pool or Exploratory Area  
**Piceance Creek Basin**

11. Country or Parish, State  
**Rio Blanco County, CO**

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All depths referenced to GL. The MWD-2 well reached the end of its useful life and has been plugged and abandoned. Pulled 320 feet of 1.25-inch PVC access tubing and ~2,190 feet of 0.25-inch nylon tubing, one string of nylon and the sample pump remained down hole. Ran in hole with spear and fished out the remaining 1,180 feet of nylon tubing. An attempt was made to fish out the nitrogen sample pump with an overshot to a depth of 1,692.5 feet, but it was unsuccessful. Ran back in the hole with the 3.875-inch bit and airlifted and cleaned the hole to a depth of 1,699 feet. A CBL was ran to determine perforation zones. Perforated the 5.0-inch OD casing at 1,646, 1,600, 1,570, and 1,252 feet with 4 - 0.38-inch perms per foot. All cement plugs were set using the balance method. Plug 1 cement consisted of 17.5 bbls (73.5 sx) of 14.2 lb/gal Portland Type I/II cement and was pumped in three lifts: 350 gallons at a depth of 1,680 feet, 250 gallons at 1,380 feet, and 135 gallons at 1,080 feet. Plug 1 was allowed to set for approximately 18 hours, after which the top of cement was tagged at 705 feet. Plug 2 cement consisted of 12.5 bbls (54.6 sks) of 14.0 lb/gal Portland Type I/II cement and was pumped in two lifts of 300 gallons at 680 and 175 gallons from 480 feet to surface. The 5.0-inch casing was topped off to surface with 50 gallons of cement. The calculated volume of the 33 feet of 4.125-inch open hole and 1,703 feet of 5.0-inch OD cased hole was 30.2 bbls (169.6 cu ft). A total of 30 bbls (128.1 sx) was used to plug and abandon the MWD-2 well. The MWD-2 plug and abandonment was completed on 7/18/23. The well casing will be cut down below final grade and a steel cap with the well name will be welded on it prior to being buried during the final location reclamation, planned for the spring of 2024.

For additional information please see attached As-Built Plug and Abandonment diagram.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Gerald J. Daub**

**President, Daub & Associates, Inc.**

Title

Signature



Date

**9/15/2023**

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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Natural Soda LLC

Well Abandonment Diagram



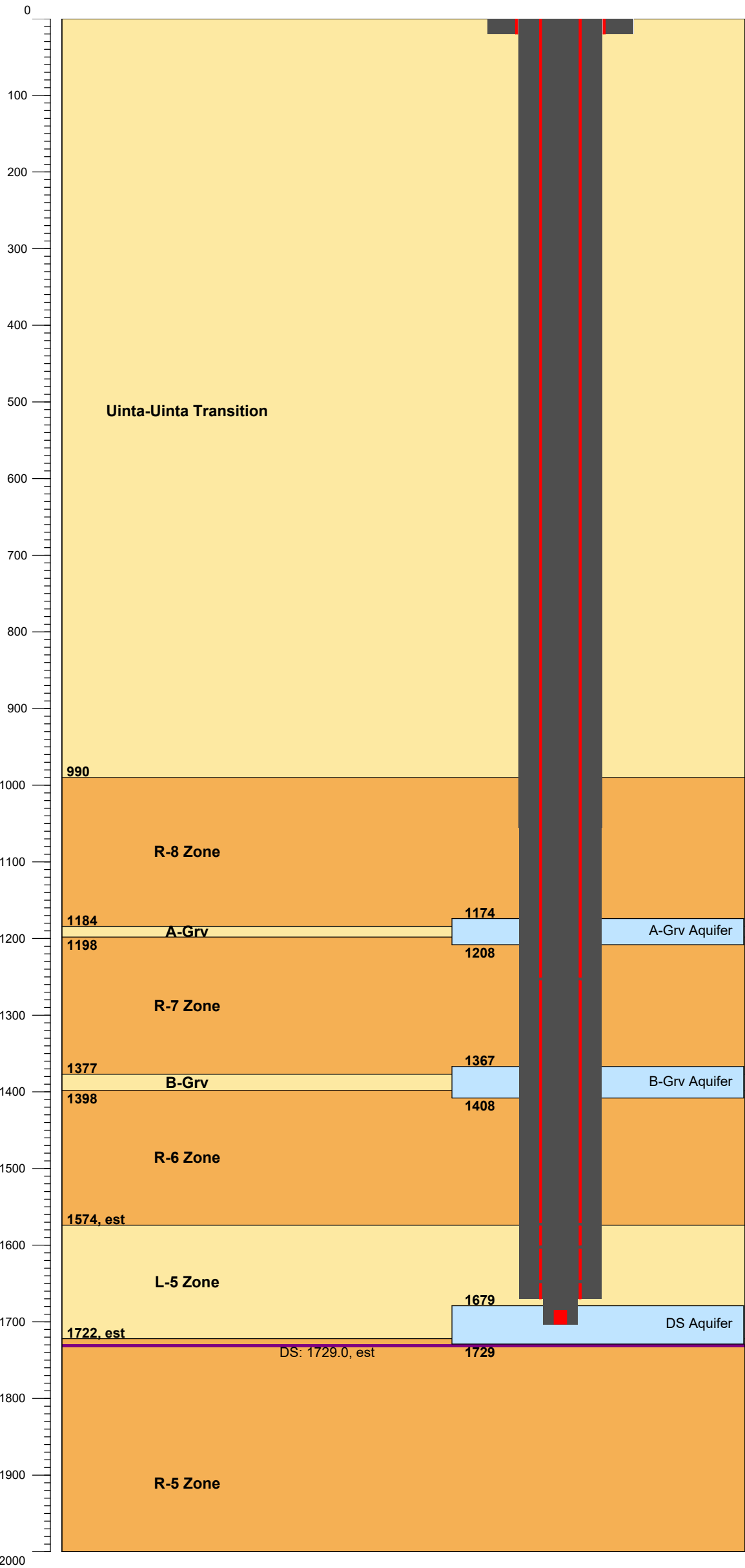
Daub & Associates, Inc.



Well: MWD-2  
Section: 20  
Township: 1S  
Range: 98W  
Latitude (83): 39.95274551  
Longitude (83): 108.4123486  
Total Depth, ft: 1703.0

Well Type: DS Aquifer Monitoring Well  
Hole Type: Rotary Hole  
Ground Elevation, ft: 6440.3  
WL Measurement Elevation, ft: 6443.3  
Diagram Date: 8/7/2023

- Cement
- Hole Plug and/or Cement
- Bentonite Plug / Seal
- Sand Plug / Sand Pack
- Bridge Plug
- Pump
- Transducer



DRILLING and COMPLETION SUMMARY  
0-20.0: conductor drill hole, 17.500" dia.  
0-20.0: conductor casing, 10.750" OD  
20.0-1055.0: intermediate hole, 10.000" dia.  
1055.0-1670.0: intermediate hole, 9.875" dia.  
0-1670.0: intermediate casing, 5.000" OD  
0-1670.0: intermediate casing cement  
1670.0-1703.0: drill hole, 4.125" dia.

PLUGGED AND ABANDONED: 7/18/2023  
Pulled and fished out 0.25" nylon sample tubing  
1680.0-1700.0: cleaned out silica sand  
1700.0-1703.0: 1.6875" OD nitrogen sample pump lost in hole  
1252.0-1253.0: Perforate 4 shots at 90 degree phasing  
1570.0-1571.0: Perforate 4 shots at 90 degree phasing  
1600.0-1601.0: Perforate 4 shots at 90 degree phasing  
1646.0-1647.0: Perforate 4 shots at 90 degree phasing  
705.0-1703.0: Cement stage #1 (17.5 bbls, 73.5 sacks Portland I/II)  
0-705.0: Cement stage #2 (12.5 bbls, 54.6 sacks Portland I/II)

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**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **Natural Soda LLC**

3a. Address **3200 Rio Blanco County Rd 31  
Rifle, CO. 81650**

3b. Phone No. (include area code)  
**(970) 878-3674**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **MWA-2**

9. API Well No.

10. Field and Pool or Exploratory Area  
**Piceance Creek Basin**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1526 FNL, 2019 FEL, S20, T1S, R98W, 6th PM**

11. Country or Parish, State  
**Rio Blanco County, CO**

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All depths referenced to GL. The MWA-2 well reached the end of its useful life and has been plugged and abandoned (P&A). Prior to P&A, 820 feet of PVC pipe and two strings of 1.9-inch steel tubing, totaling 1,391 feet were pulled from the well. The casing was cleaned with a 7.625-inch casing scraper to a depth of 945 feet. A 6.25-inch bit was then run down the well to airlift and clean the hole with foam water injection to a depth of 1,200 feet. All cement plugs were set using the balance method. Plug 1 cement consisted of 36.0 bbls (157.5 sks) of 14.4 lb/gal Portland Type I/II cement and was pumped in three lifts: 700 gallons at a depth of 1,180 feet, 500 gallons at 920 feet, and 315 gallons at 780 feet. Plug 1 was allowed to set for 6 days, after which the top of cement was tagged at 608 feet. Plug 2 cement consisted of 28.7 bbls (125.3 sks) of 14.0 lb/gal Portland Type I/II cement and was pumped in two lifts, the first lift of 550 gallons from 580 feet, and the second lift of 615 gallons from 380 feet to surface. After the cement the tremie pipe was removed from the well, the 7.625-inch casing was topped off to surface with 40 gallons of cement. The calculated volume of the 253 feet of 6.5-inch open hole and 947 feet of 7.625-inch OD cased hole was 55.1 bbls (309.36 cu ft). A total of 64.7 bbls (282. sks) of cement, 14.8% excess, was used to plug and abandon the MWA-2 well to surface. The MWA-2 plug and abandonment was completed on 7/13/23. A steel cap with the well name was welded onto the 14.75-inch conductor casing. The well will be buried below grade once final pad reclamation is completed in the spring of 2024.

For additional information please see attached As-Built Plug and Abandonment diagram.

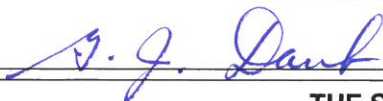
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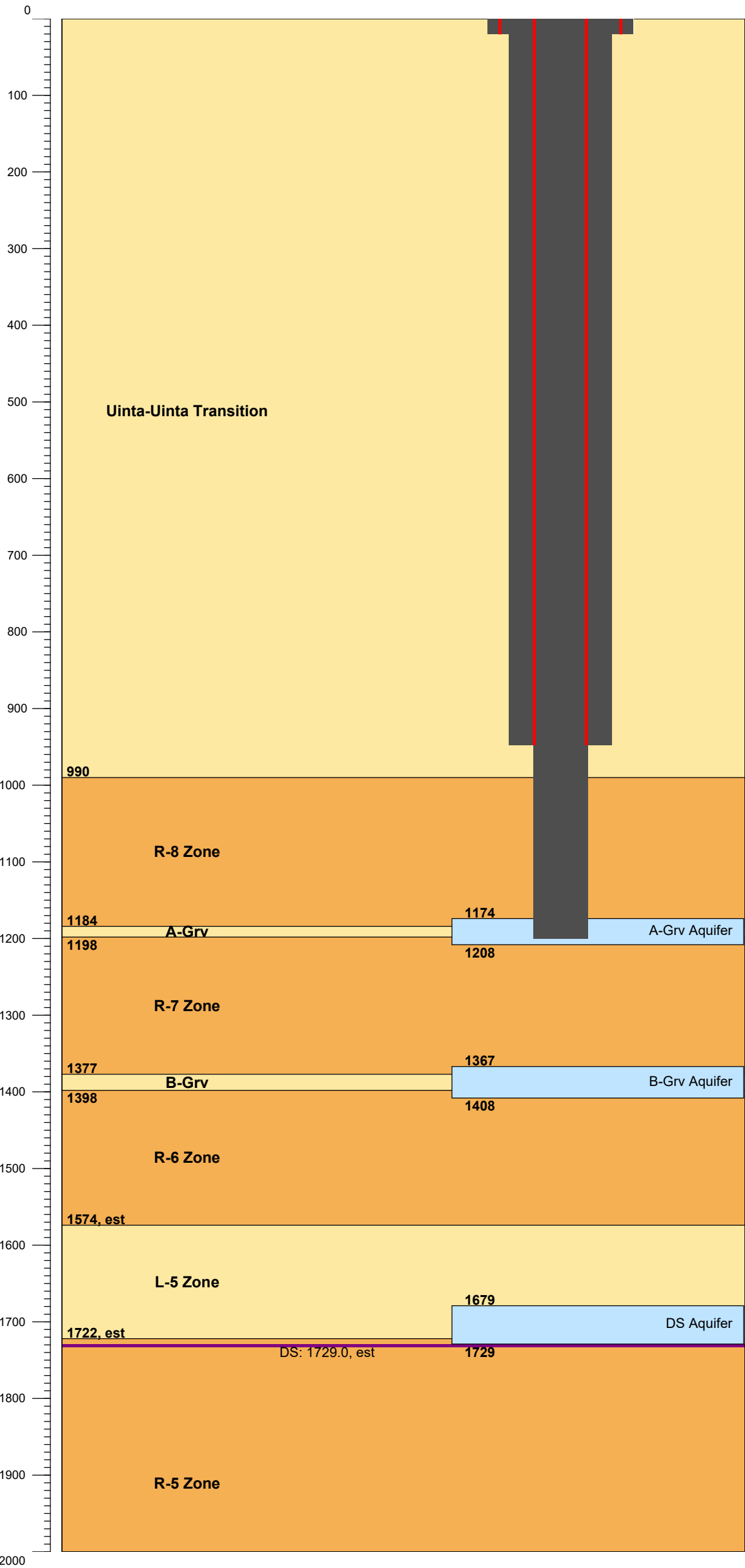
Daub & Associates, Inc.



Well: MWA-2  
Section: 20  
Township: 1S  
Range: 98W  
Latitude (83): 39.95247194  
Longitude (83): 108.4129156  
Total Depth, ft: 1398.0

Well Type: A-Groove Aquifer Monitoring Well  
Hole Type: Rotary Hole  
Ground Elevation, ft: 6443.4  
WL Measurement Elevation, ft: 6445.4  
Diagram Date: 8/8/2023

- Cement
- Hole Plug and/or Cement
- Bentonite Plug / Seal
- Sand Plug / Sand Pack
- Bridge Plug
- Pump
- Transducer



DRILLING and COMPLETION SUMMARY

0-20.0: conductor drill hole, 17.500" dia.  
0-20.0: conductor casing, 14.750" OD  
20.0-947.0: intermediate hole, 12.324" dia.  
0-947.0: intermediate casing, 7.625" OD  
0-947.0: intermediate casing cement  
947.0-1200.0: drill hole, 6.500" dia.

SAMPLING EQUIPMENT REMOVED: 5/26/2023

Removed two strings of 1.9" steel tubing (long string: 916', short string: 475')

PLUGGED AND ABANDONED: 7/13/2023

608.0-1200.0: Cement stage #1 (36 bbls, 157.5 sacks Portland I/II)  
0.0-608.0: Cement stage #2 (28.7 bbls, 125.3 sacks Portland I/II)

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4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1438 FNL, 1964 FEL, S20, T1S, R98W, 6th PM**

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|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |   |

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All depths referenced to GL. The MWB-2 well reached the end of its useful life and has been plugged and abandoned. Ran in hole with a 3.875-inch bit, encountered fish in hole at 424 feet. A total of 990 feet of 0.5-inch PVC tubing was fished out of the well using fishing tools. Ran back in the hole with the 3.875-inch bit and airlifted and cleaned the hole with water foam injection to a depth of 1,398 feet. All cement plugs were set using the balance method. Plug 1 cement consisted of 14.9 bbls (63.0 sx) of 14.3 lb/gal Portland Type I/II cement and was pumped in two lifts: 325 gallons at a depth of 1,380 feet and 300 gallons at 1180 feet. Plug 1 was allowed to set for 19 hours, after which the top of cement was tagged at 574 feet. Plug 2 cement consisted of 10.24 bbls (44.7 sks) of 14.4 lb/gal Portland Type I/II cement and was pumped in one lifts of 375 gallons from 560 feet to surface. After removing the tremie pipe, the 5.0-inch casing was topped off to surface with 55 gallons of cement. The calculated volume of the 23 feet of 4.125-inch open hole and 1,375 feet of 5.0-inch OD cased hole was 24.8 bbls (139.2 cu.ft.). A total of 25.14 bbls (107.7 sx) of cement, 1.4% excess, was used to plug and abandon the MWB-2 well to surface. The MWB-2 plug and abandonment was completed on 7/6/23. A steel cap with the well name was welded onto the 10.75-inch conductor casing. The well will be buried below grade once final pad reclamation is completed in the spring of 2024.

For additional information please see attached As-Built Plug and Abandonment diagram.

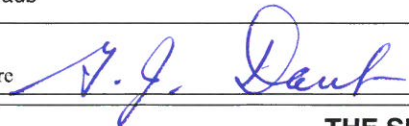
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Gerald J. Daub**

**President, Daub & Associates, Inc.**

Title

Signature



Date

**9/15/2023**

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Natural Soda LLC

Well Abandonment Diagram



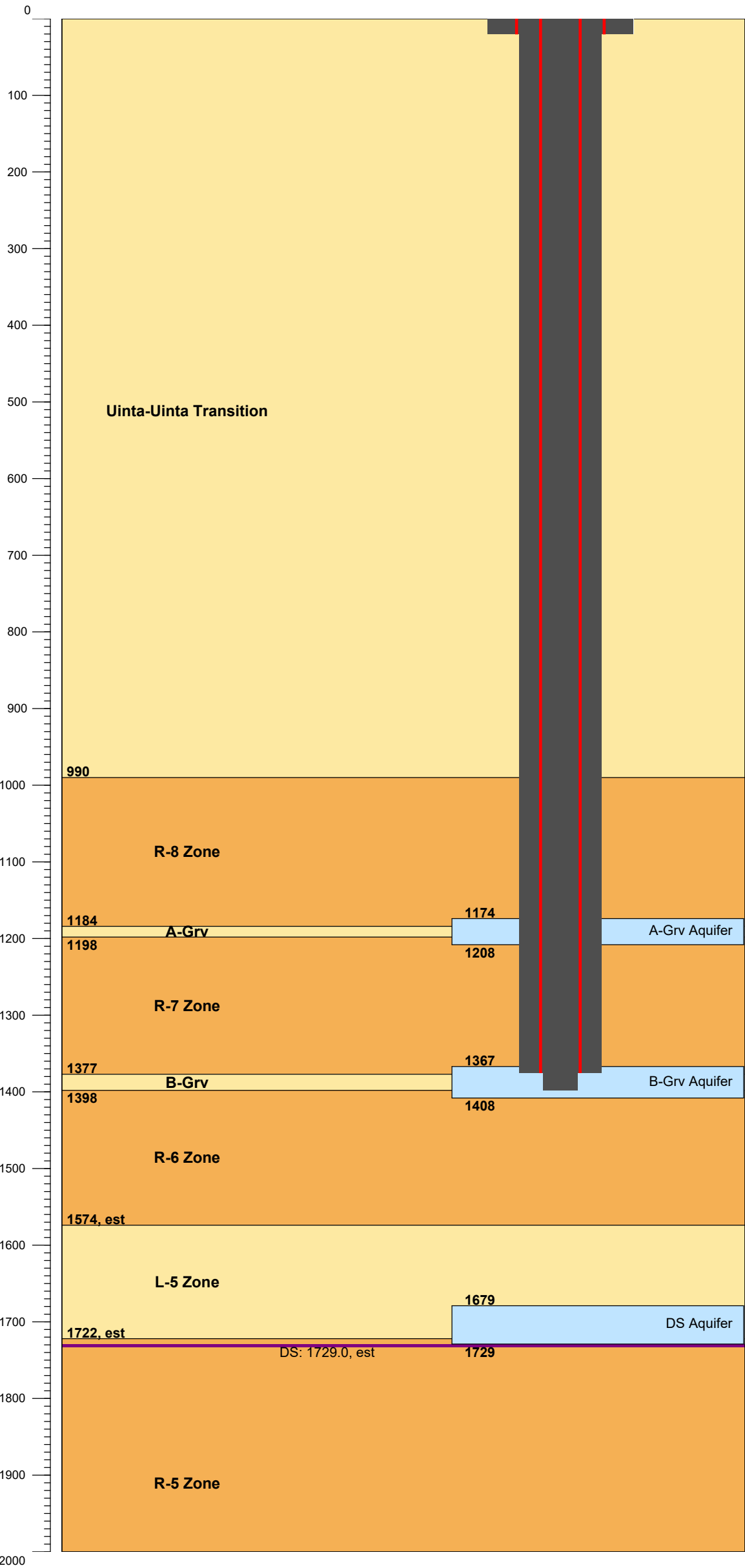
Daub & Associates, Inc.



Well: MWB-2  
Section: 20  
Township: 1S  
Range: 98W  
Latitude (83): 39.95271412  
Longitude (83): 108.4127221  
Total Depth, ft: 1398.0

Well Type: B-Groove Aquifer Monitoring Well  
Hole Type: Rotary Hole  
Ground Elevation, ft: 6440.2  
WL Measurement Elevation, ft: 6441.4  
Diagram Date: 8/8/2023

- Cement
- Hole Plug and/or Cement
- Bentonite Plug / Seal
- Sand Plug / Sand Pack
- Bridge Plug
- Pump
- Transducer



DRILLING and COMPLETION SUMMARY  
0-20.0: conductor drill hole, 17.500" dia.  
0-20.0: conductor casing, 10.750" OD  
20.0-1375.0: intermediate hole, 9.875" dia.  
0-1375.0: intermediate casing, 5.000" OD  
0-1375.0: intermediate casing cement  
1375.0-1398.0: drill hole, 4.125" dia.

PLUGGED AND ABANDONED: 7/6/2323  
Fished and removed 990.0' of 0.5" SCH40 PVC tubing  
574.0-1398.0: Cement stage #1 (14.9 bbls, 63.0 sacks Portland I/II)  
0.0-574.0: Cement stage #2 (10.24 bbls, 44.7 sacks Portland I/II)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. COC-0119985

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator  
Natural Soda LLC3a. Address 3200 Rio Blanco County Rd 31  
Rifle, CO. 816503b. Phone No. (include area code)  
(970) 878-36744. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1832 FNL, 2302 FEL, S20, T1S, R98W, 6th PM

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. MWD-1

9. API Well No.

10. Field and Pool or Exploratory Area  
Piceance Creek Basin11. Country or Parish, State  
Rio Blanco County, CO**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |  |  |   |
|---|---|--|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing        | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
|   | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

All depths referenced to GL. The MWD-1 well reached the end of its useful life and has been plugged and abandoned. Pulled 380 feet of 1.25-inch PVC access tubing and one string (~1,725 feet) of 0.25-inch nylon tubing plus 300 feet from the second string of 0.25-inch nylon tubing. Ran in hole with a spear to a depth of 1,695 feet, and fished out ~1,225 feet of nylon tubing. Ran back in the hole with the 3.875-inch bit and airlifted and cleaned the hole with water foam injection to a depth of 1,718.5 feet, the remaining 200 feet of nylon tubing was recovered with the work string. An attempt was made to fish out the nitrogen sample pump with an overshot to a depth of 1,729 feet, but it was unsuccessful and the sample pump was left in the hole. A CBL was ran and the annular cement job is adequate, no perforations required. All cement plugs were set using the balance method. Plug 1 cement consisted of 17.26 bbls (73.5 sx) of 14.2 lb/gal Portland Type I/II cement and was pumped in three lifts: 400 gallons at a depth of 1,720 feet, 200 gallons at 1500 feet, and 125 gallons at 1,300 feet. Plug 1 was allowed to set for approximately 19 hours, after which the top of cement was tagged at 756 feet. Plug 2 cement consisted of 13.45 bbls (58.8 sks) of 14.0 lb/gal Portland Type I/II cement and was pumped in two lifts of 300 gallons at 740 and 215 gallons from 500 feet to surface. The 5.0-inch casing was topped off to surface with 50 gallons of cement. The calculated volume of the 21 feet of 4.125" open hole and 1,710' of 5.0-inch OD cased hole was 30.7 bbls (172.37 cu ft). A total of 30.7 bbls (132.3 sx) of cement was used to plug and abandon the MWD-1 well to surface. The MWD-1 plug and abandonment was completed on 7/21/23. The well casing will be cut down below final grade and a steel cap with the well name will be welded on it prior to being buried during the final location reclamation, planned for the spring of 2024.

For additional information please see attached As-Built Plug and Abandonment diagram.

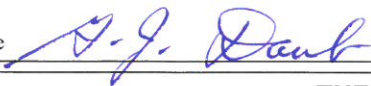
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Gerald J. Daub

President, Daub &amp; Associates, Inc.

Title

Signature



Date

9/15/2023

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Natural Soda LLC

Well Abandonment Diagram



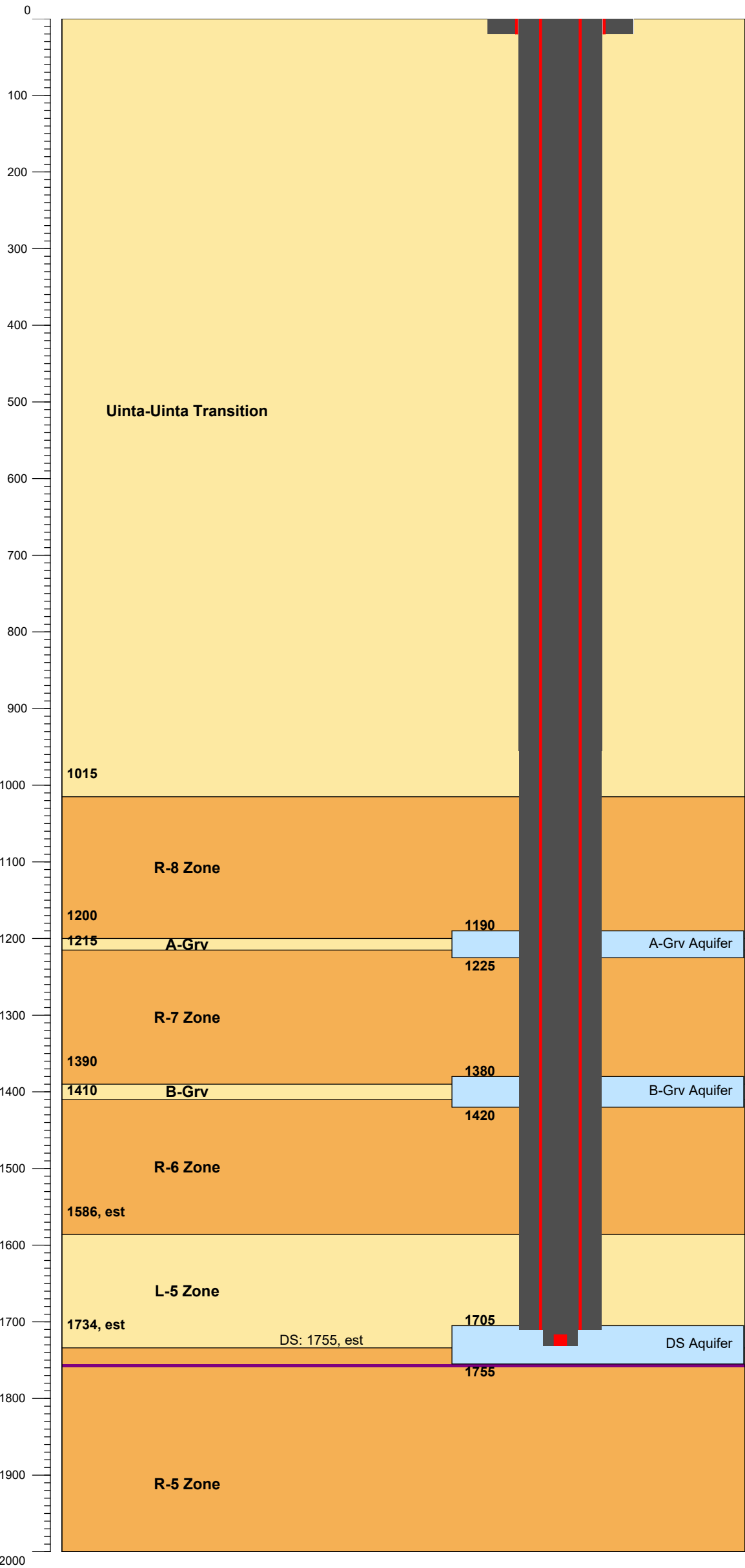
Daub & Associates, Inc.



Well: MWD-1  
Section: 20  
Township: 1S  
Range: 98W  
Latitude (83): 39.95162912  
Longitude (83): 108.41392000  
Total Depth, ft: 1731.0

Well Type: DS Aquifer Monitoring Well  
Hole Type: Rotary Hole  
Ground Elevation, ft: 6468.1  
WL Measurement Elevation, ft: 6471.4  
Diagram Date: 8/8/2023

- Cement
- Hole Plug and/or Cement
- Bentonite Plug / Seal
- Sand Plug / Sand Pack
- Bridge Plug
- Pump
- Transducer



DRILLING and COMPLETION SUMMARY  
0-20.0: conductor drill hole, 17.500" dia.  
0-20.0: conductor casing, 10.750" OD  
20.0-875.0: intermediate hole, 10.000" dia.  
875.0-1710.0: intermediate hole, 9.875" dia.  
0-1710.0: intermediate casing, 5.000" OD  
0-1710.0: intermediate casing cement  
1710.0-1731.0: drill hole, 4.125" dia.

PLUGGED AND ABANDONED: 7/21/2023  
Fished 0.25" nylon tubing  
1712.0-1730.0: cleaned out silica sand  
1729.0-1731.0: nitrogen sample pump lost in hole  
756.0-1731.0: Cement stage #1: (17.26 bbls, 73.5 sacks Portland I/II)  
0.0-756.0: Cement stage #2: (13.45 bbls, 58.8 sacks Portland I/II)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. **COC-0119985**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
**Natural Soda LLC**

3a. Address **3200 Rio Blanco County Rd 31  
Rifle, CO. 81650**

3b. Phone No. (include area code)  
**(970) 878-3674**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **RS-96-20-1**

9. API Well No.

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2418.3 FNL, 2143.6 FEL, S20, T1S, R98W, 6th PM**

10. Field and Pool or Exploratory Area  
**Piceance Creek Basin**

11. Country or Parish, State  
**Rio Blanco County, CO**

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |  |  |   |
|---|---|--|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing        | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
|   | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

All depths referenced to GL. The RS-96-20-1 well reached the end of its useful life and has been plugged and abandoned. Ran in the hole with a 3.875-inch bit to a depth of 1,262.8 feet and drilled out the cement plug on top of the open hole packer at 1,286, then airlifted and cleaned the hole using water foam injection. Attempts were made to drill on packer and or push it down hole, but they were unsuccessful. The 4.5-inch casing was perforated with 4 holes per foot at depths of 460, 265, and 75 feet. Ran in hole with a 3.875-inch bit and 4.5-inch casing scraper to the bottom of the casing at 1,270 feet, to clean and condition hole for cementing. Plug 1 cement consisted of 21.07 bbls (99 sx) of 14.4 lb/gal Portland Type I/II cement and was pumped in three lifts: 400 gallons at a depth of 1,275 feet, 300 gallons at 975, and 125 gallons at 600 feet to surface. The after pulling the tremie pipe out of the well, the 4.5-inch casing was topped off to surface with 60 gallons of cement. The calculated volume of the hole was 19.97 bbls (112.14 cu.ft.). A total of 21.07 bbls (99 sx) of cement, 5.2% excess, was used to plug and abandon the RS-96-20-1 well to surface. The RS-96-20-1 well plug and abandonment was completed on 7/24/23. The well casing will be cut down below final grade and a steel cap with the well name will be welded on it prior to being buried during the final location reclamation, planned for the spring of 2024.

For additional information please see attached As-Built Plug and Abandonment diagram.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**Gerald J. Daub**

Title **President, Daub & Associates, Inc.**

Signature

*G. J. Daub*

Date

*9/15/2023*

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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(Instructions on page 2)

Natural Soda LLC

Well Abandonment Diagram



Daub & Associates, Inc.



Well: RS-96-20-1

Section: 20

Township: 1S

Range: 98W

Latitude (83): 39.95034893

Longitude (83): 108.4134739

Total Depth, ft: 2598.0

Well Type: Core Hole

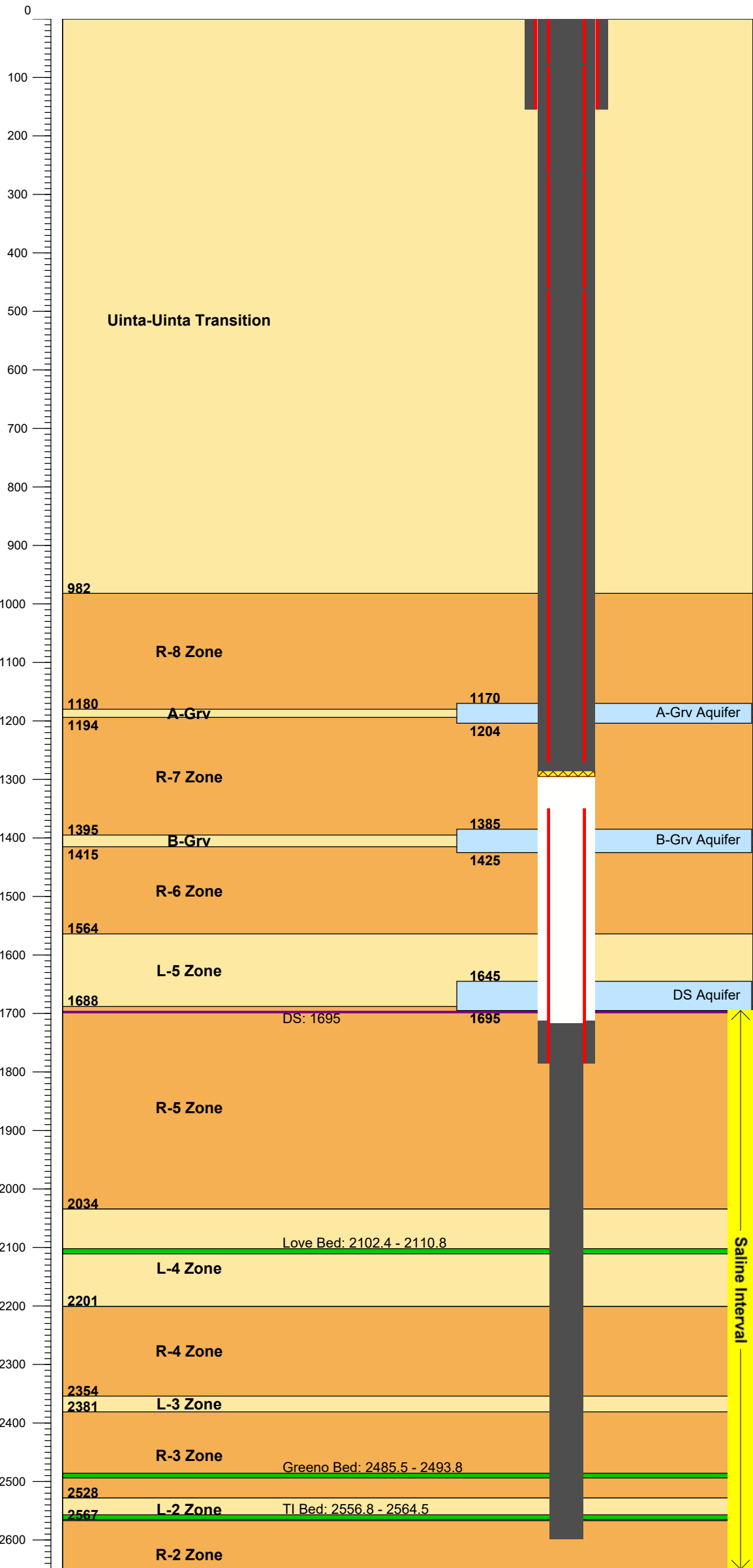
Hole Type: Core Hole

Ground Elevation, ft: 6456.0

WL Measurement Elevation, ft: N/A

Diagram Date: 8/8/2023

- Cement
- Hole Plug and/or Cement
- Bentonite Plug / Seal
- Sand Plug / Sand Pack
- Bridge Plug
- Pump
- Transducer



DRILLING and COMPLETION SUMMARY

0-154.0: conductor hole, 9.875" dia.

0-154.0: conductor casing, 7.625" OD

154.0-1785.0: intermediate hole, 6.750" dia.

0-1785.0: intermediate casing, 4.500" OD

1712.0-1785.0: intermediate casing cement

1785.0-2598.0: core hole, 4.000" dia.

1717.0-2598.0: cement plug back

RECOMPLETION

0.0-1350.0: cut and remove intermediate casing

1286.0: open hole packer

1275.0-1286.0: cement plug back

0.0-1270.0: intermediate casing, 4.5" OD

0.0-1275.0: intermediate casing cement

0.0-1266.0: cleanout 4.5" casing

PLUGGED AND ABANDONED: 7/24/2023

1262.8-1286.0: Drilled out cement to the top of the open hole packer - stacked weight on packer to make sure it was solid.

460.0-461.0: perforated casing, 4 shots at 90 degree phasing

265.0-266.0: perforated casing, 4 shots at 90 degree phasing

75.0-76.0: perforated casing, 4 shots at 90 degree phasing

0.0-1286.0: Cement (21.07 bbls, 99 scks Portland I/II)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. **COC-0119985**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **Natural Soda LLC**

3a. Address **3200 Rio Blanco County Rd 31  
Rifle, CO. 81650**

3b. Phone No. (include area code)  
**(970) 878-3674**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **MWU-2**

9. API Well No.

10. Field and Pool or Exploratory Area  
**Piceance Creek Basin**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1590 FNL, 1916 FEL, S20, T1S, R98W, 6th PM**

11. Country or Parish, State  
**Rio Blanco County, CO**

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |  |  |   |
|---|---|--|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing        | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
|   | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

All depths referenced to GL. The MWU-2 well reached the end of its useful life and has been plugged and abandoned (P&A). Prior to P&A, 500 feet of 0.5-inch PVC tubing, and two strings of 1.9-inch steel tubing, one of 442 feet and one of 629 feet were removed from the well. Ran in the hole with the 3.875-inch bit and airlifted and cleaned the hole to a depth of 687 feet. Then a 5.0-inch casing scraper was run in the well to a depth of 630 feet. Plug 1 cement consisted of 13.1 bbls (57.4 sx) of 14.4 lb/gal Portland Type I/II cement and was pumped in two lifts: 350 gallons at a depth of 680 feet and 200 gallons at 380 feet to surface. The 5.0-inch casing was topped off to surface with 35 gallons (3.4 sx) of cement. The calculated volume of the 52 feet of 4.125-inch open hole and 635 feet of 5.0-inch OD cased hole was 12.13 bbls (68.3 cu ft). A total of 13.93 bbls (60.8 sx) of cement, 13% excess, was used to plug and abandon the MWU-2 well to surface. The MWU-2 well plug and abandonment was complete on 6/22/23. The well casing will be cut down below final grade and will have a steel cap with the well name welded on it prior to being buried during the final location reclamation, planned for the spring of 2024.

For additional information please see attached As-Built Plug and Abandonment diagram.

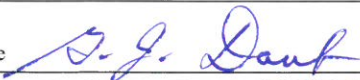
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Gerald J. Daub**

**President, Daub & Associates, Inc.**

Title

Signature



Date

**9/15/2023**

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Title

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Natural Soda LLC

Well Abandonment Diagram



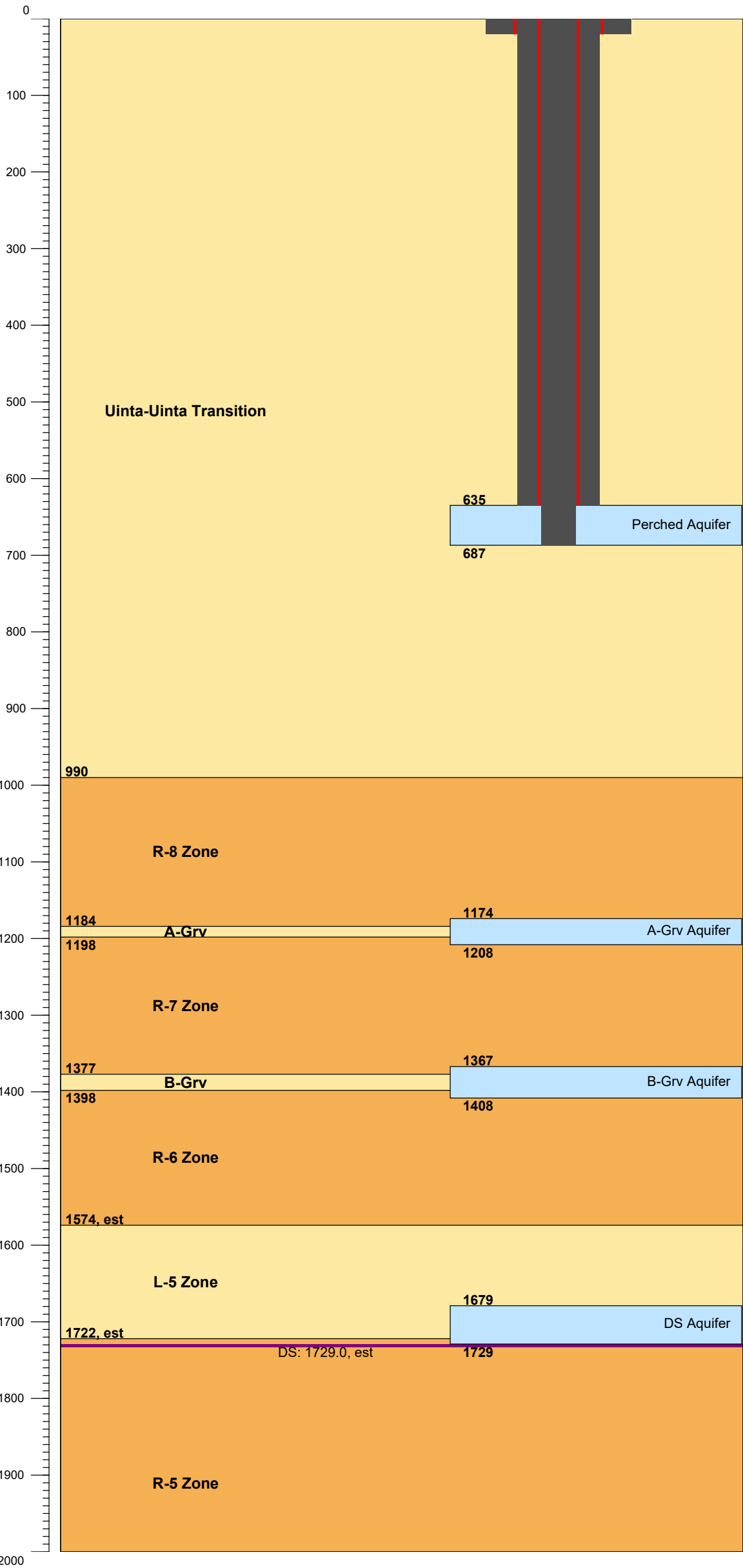
Daub & Associates, Inc.



Well: MWU-2  
Section: 20  
Township: 1S  
Range: 98W  
Latitude (83): 39.95229947  
Longitude (83): 108.412553  
Total Depth, ft: 687.0

Well Type: Hydrology Monitoring Well  
Hole Type: Rotary Hole  
Ground Elevation, ft: 6440.6  
WL Measurement Elevation, ft: 6444.0  
Diagram Date: 8/8/2023

- Cement
- Hole Plug and/or Cement
- Bentonite Plug / Seal
- Sand Plug / Sand Pack
- Bridge Plug
- Pump
- Transducer



DRILLING and COMPLETION SUMMARY

0-20.0: conductor drill hole, 17.500" dia.  
0-20.0: conductor casing, 10.750" OD  
20.0-635.0: intermediate hole, 9.875" dia.  
0-635.0: intermediate casing, 5.000" OD  
0-635.0: intermediate casing cement  
635.0-687.0: drill hole, 4.125" dia.

SAMPLING EQUIPMENT REMOVED: 5/26/2023

Pulled two strings of 1.9" steel (long string: 629', short string: 442')

PLUGGED AND ABANDONED: 6/22/2023

0.0-687.0: Cement (13.93 bbls, 60.8 sacks Portland I/II)