



August 12, 2015

Mr. Kent Walter  
Bureau of Land Management  
220 East Market Street  
Meeker, CO 81641

**RE: Natural Soda LLC Notification and Request for Approval of the Conversion of the O-GMW-A Monitor Well to the WSW-5 Water Supply Well and Request for Approval of the Installation of a Water Supply Pipeline**

Natural Soda LLC (NS) hereby requests approval for the conversion of the O-GMW-A (2014-27-198-O) Monitor Well to a NS Water Supply Well (WSW-5). The O-GMW-A monitor well is located in the NW 1/4 SW 1/4, Sec 27, T1S, R98W. This well conversion is strategic as a backup water supply well and for NS' plans for increased production of sodium bicarbonate. The water from the WSW-5 will be from the A-Groove Aquifer and R-8 Zone and will be permitted with the Colorado Division of Water Resources. A Sundry Notice for the conversion of the O-GMW-A Monitor Well to the WSW-5 Water Supply Well is attached.

In an effort to minimize disturbance and through a cooperative effort with White River Electric Association (WREA) NS also requests approval for a new water supply pipeline to be installed within the existing WREA transmission power line right of way (ROW) and between the WSW-5 and WSW-3 wells. Please refer to the attached plan view map and elevation profile for location and elevation information. The following summarizes the water supply pipeline installation:

- The pipeline is to be installed between the WSW-5 and WSW-3 locations.
- The pipeline will convey groundwater from the WSW-5.
- The pipeline is to be generally located approximately 65 feet from the centerline WREA transmission power line and within the WREA ROW.
- The pipeline disturbance will generally be between 55 and 75 feet from the centerline of the WREA transmission power line and within the WREA ROW.
- General construction details:
  - A poly pipeline material will be used.
  - The pipeline inside diameter (ID) will be 6 inch.
  - It is anticipated that a Caterpillar 320 BL excavator with a 1 foot bucket will be used to install the pipeline.
  - It is anticipated that the pipeline will generally be buried to an approximate depth of 5 feet.
  - NS will have a paleontologist onsite for any pipeline construction activities which may potentially disturb bedrock.

- Construction details for pipeline installation sections with steeper terrain or rock outcroppings:
  - The pipeline will be entrenched.
  - Pipeline protection strategies may include the use of a shaker box for bedding.

Construction details for sections with deeper drainages:

- The pipeline will be buried 1 to 2 feet beneath drainage bottoms. The drainage sides will be rebuilt with erosion mats.
- Pipeline protection strategies may include the use of a shaker box for bedding.
- Reclamation: the pipeline installation disturbance will be promptly reclaimed and seeded with an approved BLM final reclamation seed mix per previously approved water supply pipeline reclamation activities.
- Final abandonment: The pipeline will convey groundwater. The pipeline will be capped at both ends and will remain buried in place at the time of final abandonment per previously approved water supply pipeline reclamation plans.

Should you have any questions or comments, you may reach me at (970) 254-1224 (w), or (970) 216-1010 (c), or Kirk Daehling at (970) 878-3674 x 14.

Regards,



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

Attachments:

- Sundry Notice
- Plan View of Section Line WSW-5 to WSW-3
- WSW-5 to WSW-3 Elevation Profile

Cc: Kirk Daehling  
Plant Manager  
Natural Soda, LLC

Colorado Division of Reclamation & Mine Safety (DRMS)  
Denver, CO

Travis Marshall (email w/ attachments)  
DRMS, Grand Junction, CO

File



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**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.  
C-0118327

6. If Indian, Allottee or Tribe Name  
na

**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 Road 31  
Rifle, CO 81650

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

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

8. Well Name and No.  
O-GMW-A (2014-27-198-O) to be known as WSW-5

9. API Well No.  
na

10. Field and Pool or Exploratory Area  
Boies Bed, Nahcolite

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
232122.4 ft. N, 1191537.35 ft. E (0501, NAD 27); NWSW, S27, T1S, R98W, 6thPM

11. Country or Parish, State  
Rio Blanco

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 checked="" type="checkbox"/> Other Repurpose from	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	a monitor well to a	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	water supply well	

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.)

Natural Soda LLC (NS) wishes to repurpose the O-GMW-A (2014-27-198-O) groundwater monitor well to a water supply well (to be identified as the WSW-5). NS wishes to install a submersible pump in the WSW-5 and pump upper / A-Groove water by way of a pipeline to the NS plant. The well pad will be interim reclaimed as soon as practical.


14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Gerald J. Daub

Title President, Daub & Associates, Inc.

Signature



Date 08/12/2015

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

Approved by

Title

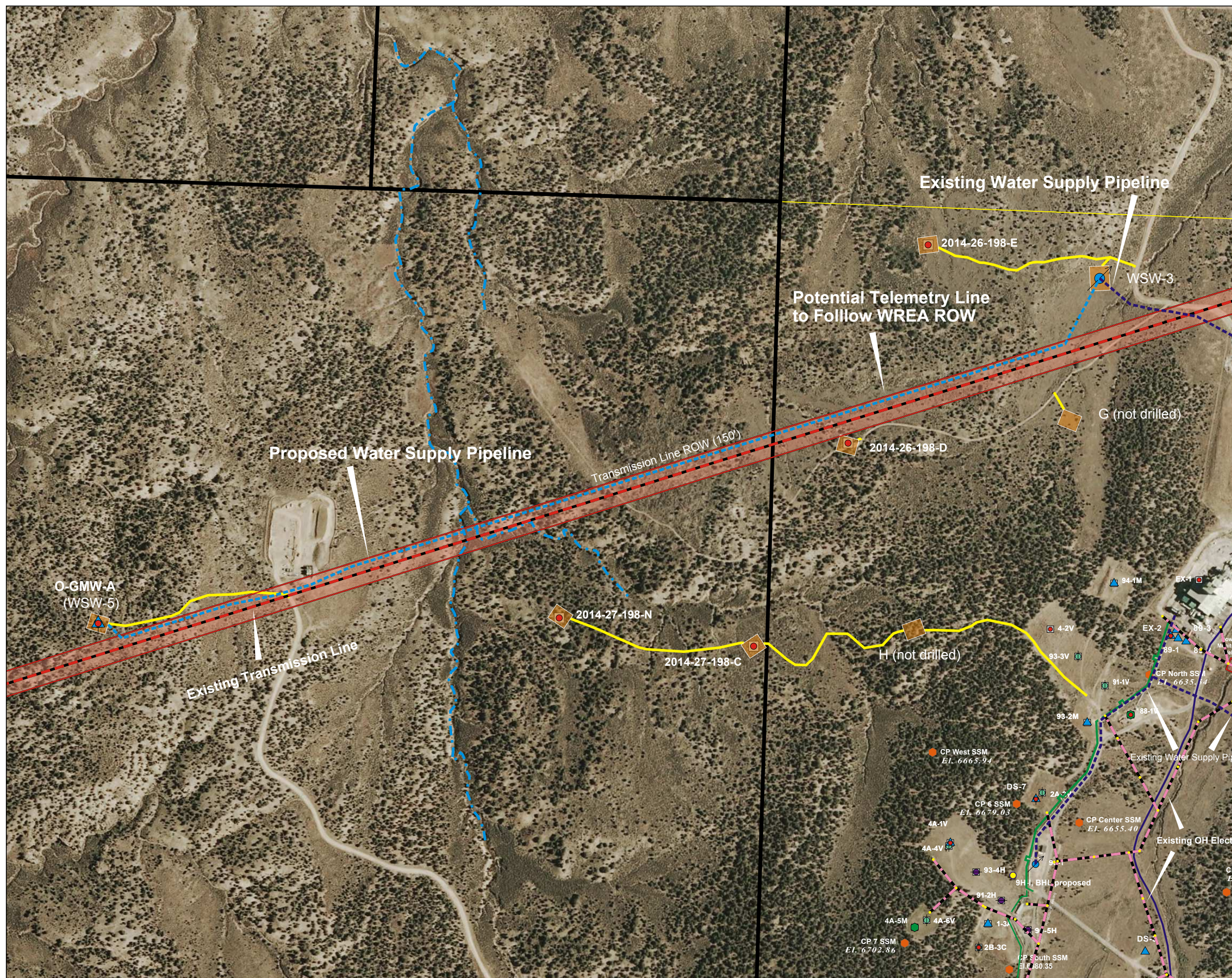
Date

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

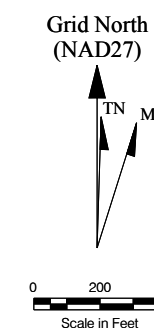
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



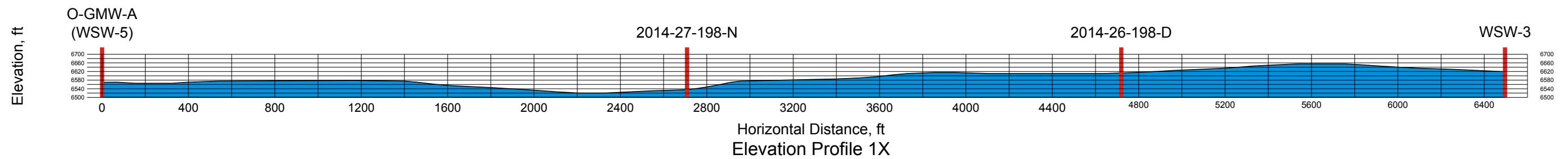
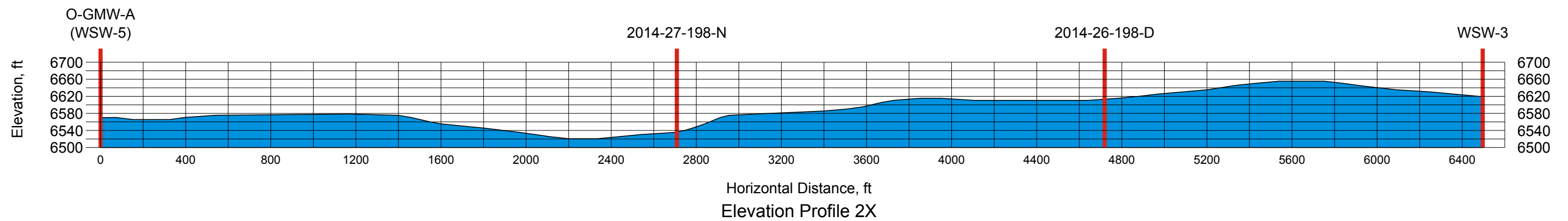
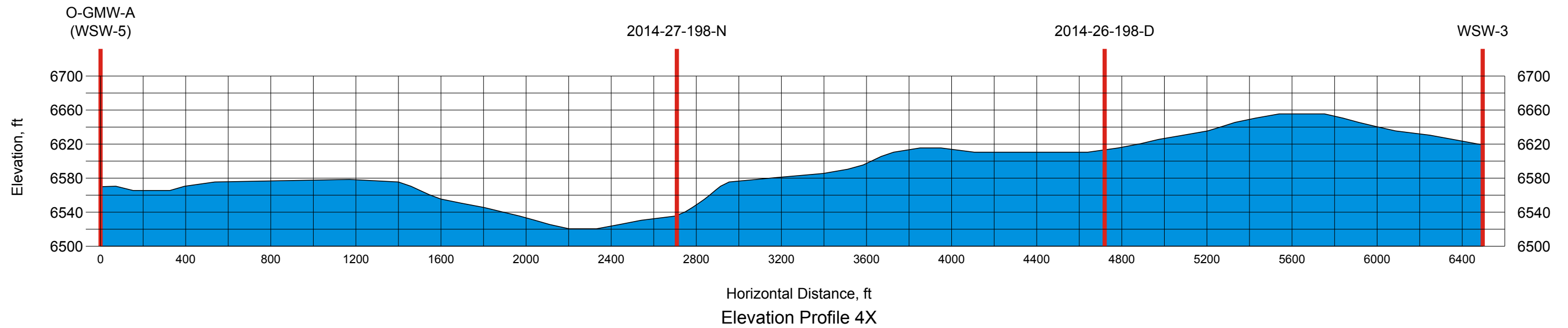


### Legend

-  Horizontal Well
-  Vertical Well
-  Hydrology Monitoring Well
-  Abandoned Well
-  Core Hole
-  Water Supply Well
-  Subsidence Monitor Well (SMW)
-  Surface Subsidence Monument (SSM)
-  Proposed Production Well







**Natural Soda LLC**  
**O-GMW-A (WSW-5) to WSW-3**  
**Proposed Pipeline Elevation Profile**  
**T1S, R98W Rio Blanco County, CO**

Daub & Associates, Inc.

Date:  
June 15, 2015