

STATE OF  
COLORADO

Gagnon - DNR, Nikie &lt;nikie.gagnon@state.co.us&gt;

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**Response to AR1/TR4; Nix Sand and Gravel Mine: M2001046**

1 message

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**Steve Kelton** <skelton@brannan1.com>

Mon, Sep 8, 2025 at 5:20 PM

To: "Gagnon - DNR, Nikie" &lt;nikie.gagnon@state.co.us&gt;

Hi, Nikie,

I've attached Brannan's response to Nix AR 1/TR4.

Brannan grants a two-week extension of the decision date of TR4, from September 9, 2025, to September 23, 2025.

Many thanks,

--Steve

Steve Kelton

Brannan Companies

2500 Brannan Way

Denver, CO 80229

skelton@brannan1.com

cell: 720-910-4376



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**5 attachments**



**2023.09.12.Well Abandonment Report for Nix Mon 8.pdf**  
229K



**2023.11.29.Mon 8A.Well Construction and Yield Estimate Report.pdf**  
372K



**2025.09.05.Revised Figure 2 (well information) for Nix M2001046.pdf**  
783K



**2025.09.05.Revised well water elevation data for Nix M2001046.pdf**  
213K



**2025.09.08.Brannan's response to TR4 Adequacy review for Nix Mine (M-2001-046).pdf**  
364K



**To:** Nikie Gagnon, Environmental Protection Specialist  
Division of Reclamation, Mining and Safety  
DRMS Room 215, 1001 E 62nd Ave  
Denver, CO 80216

**From:** Steve Kelton ([skelton@brannan1.com](mailto:skelton@brannan1.com))

**Subject:** Response to Adequacy Review for Technical Revision, Nix Sand & Gravel Mine (M-2001-046), concerning changes related to address and water-related practices

**Date:** September 8, 2025

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This response addresses comments from DRMS regarding Reclamation Permit No. M-2001-046 in its Adequacy Review for Technical Revision #4:

- 1. New address.** Acknowledged.
- 2. Information for monitoring wells 8 and 8A.** The abandonment report for Mon-8 and the construction report for Mon-8A are attached. Figure 2 in the 2023 Sampling and Analysis Plan ("Plan") has been updated to include Mon-8A details on the map and inset (attached). Table 2 in the Plan has been revised to incorporate Mon-8A as shown below:

**Table 2: Groundwater Monitoring Stations**

Station	Type	POC Well	Top of Casing Elevations	Location	Purpose
Nix-Owens-Mon 1	Water Elevation	No	4803.45	Southwestern perimeter of site.	To establish groundwater flow direction, not used for water quality sample collection. Included in monthly water level sampling.
Nix-Owens-Mon 2	Water Quality & Water Elevation	No	4805.77	Southwestern perimeter of site.	To establish upgradient water quality in the southwest corner of the site. Can be compared against other downstream wells to determine potential influence from mining operations.
Nix-Varra-Mon 3	Water Elevation	No	4805.58	Southwestern perimeter of site.	To establish groundwater flow direction, not used for water quality sample collection. Included in monthly water level sampling.
Nix-Owens-Mon 4A	Water Quality & Water Elevation	No	4810.19	Southeastern corner of site.	To monitor the groundwater upgradient of the central portion of gravel pit. Can compare results to the downgradient station results to determine if any impacts to groundwater have occurred.
Nix-Owens-Mon 5A	Water Quality & Water Elevation	Yes	4801.64	Western perimeter of site.	To monitor the groundwater downgradient of the gravel pit & influence from nearby mining operations. Can compare results to the upgradient station results to determine if any impacts to groundwater have occurred.
Nix-RMCC-Mon 6	Water Quality & Water Elevation	Yes	4800.80	Western perimeter of site.	To monitor the groundwater downgradient of the gravel pit. Can compare results to the upgradient station results to determine if any impacts to groundwater have occurred
Nix-RMCC-Mon 7	Water Quality & Water Elevation	No	4807.90	Eastern perimeter of site.	To monitor the groundwater upgradient of the mining operation. Can compare results to the downgradient station results to determine if any impacts to groundwater have occurred.
Nix-RMCC-Mon 8A	Water Quality & Water Elevation	No	4795.32	Northern perimeter of site.	To monitor the groundwater upgradient of the mining operation. Can compare results to the downgradient station results to determine if any impacts to groundwater have occurred.
Nix-RMCC-Mon 9	Water Quality & Water Elevation	Yes	4794.00	Northwest corner of site.	To monitor the groundwater downgradient of the gravel pit. Installed in April 2023. Can compare results to the upgradient station results to determine if any impacts to groundwater have occurred.
Piezo BH-5B	Water Elevation	No	4797.00	North of Piezo BH-5C, in cell 2.	To establish groundwater flow direction, not used for water quality sample collection. Included in monthly water level sampling.
Piezo BH-5C	Water Elevation	No	4799.11	Northwestern mining envelope, in cell 2.	To establish groundwater flow direction, not used for water quality sample collection. Included in monthly water level sampling.
Piezo BH-14	Water Elevation	No	4803.27	On eastern site perimeter, in cell 2.	To establish groundwater flow direction, not used for water quality sample collection. Included in monthly water level sampling.
Piezo BH-21A	Water Elevation	No	4795.58	Central western perimeter, on southern perimeter of cell 3.	To establish groundwater flow direction, not used for water quality sample collection. Included in monthly water level sampling.

**3. Acknowledgement that two water quality monitoring wells are dry, and explanation regarding Mon-4A.**

- Brannan is not proposing changes to the monitoring plan for Mon-1 and Mon-2; Brannan will continue to verify those two wells remain dry during quarterly sampling events.
- Five quarters of water quality data was not submitted at Mon-4A for the following reason:
  - The sample collection team experienced either no water or insufficient water to collect a sample from 4/17/23 - 6/10/2024, however they continued to check the well during all sampling events. The monthly Depth to Water readings are taken by a different team than the sample collection data on different schedules. Both the water quality sampling team and the operations team taking the monthly water elevation measurements note there is a farmer's ditch within a few feet of the well and the well only collects water when the ditch is running, thus implying the well is GUDI (groundwater under the direct influence of surface water) or primarily collecting surface water. When the two events take place within a week, minor variability was observed. The sampling team noted there was sometimes mud in the well but no water to sample. There was frequently insufficient water to collect a sample when water was present (less than 0.5' was deemed insufficient).

**4. Twice a year sampling.**

- Brannan commits to biannual water quality testing representative of the high and low flow seasons.
- Brannan reiterates that there has been no hint of impact on groundwater quality from any mining operations at Nix, and makes no stipulations otherwise. As baseline monitoring supports, exceedances reflect pre-mining contamination not related to Brannan's operations.

**5. Acceptance of proposed sampling list and revised limits.**

- Brannan proposes two minor changes to the previously accepted sampling list and revised limits. Specifically, Brannan would like to revert to the CDPHE 5 CCR 1002-41; Tables 2 & 3 Standards for pH and remove the standard for conductivity, which is omitted from CDPHE Regulation 41.
- The table, below, incorporates Brannan's requested changes and the agreed upon sampling frequency:

### Revised Analyte List & Frequency

Analyte	Revised Standard (mg/L)	Revised Frequency
Boron (B)	0.83	2x / yr
Chloride (Cl)	290.28	2x / yr
Fluoride (F)	2.72	2x / yr
Iron (Fe)	2.57	2x / yr
Nitrate (NO <sub>2</sub> )	40.56	2x / yr
Nitrite (NO <sub>3</sub> )	9.60	2x / yr
Total Nitrite & Nitrate (NO <sub>2</sub> +NO <sub>3</sub> )	40.59	2x / yr
Sulfate (SO <sub>4</sub> )	638.54	2x / yr
Total Dissolved Solids (TDS)	3931.50	2x / yr
Uranium (U)	0.05	2x / yr
pH	6.5 s.u - 8.5 s.u.	2x / yr
Conductivity	Report	2x / yr

- 6. Revision of water elevation data.** Brannan has revised and resubmits the Monitoring Well Water Elevations Table (attached). It includes the minimum and maximum elevations for each well from the baseline collection period, as well as the trigger point specified in Section 4.2 of the Sampling and Analysis Plan. Brannan commits to using this format when submitting the water level data with the annual report.

**Attached:** Abandonment report for Mon-8  
Construction report for Mon-8A  
Revised Figure 2 (well information) from Sampling and Analysis Plan  
Revised Monitoring Well Water Elevations Table

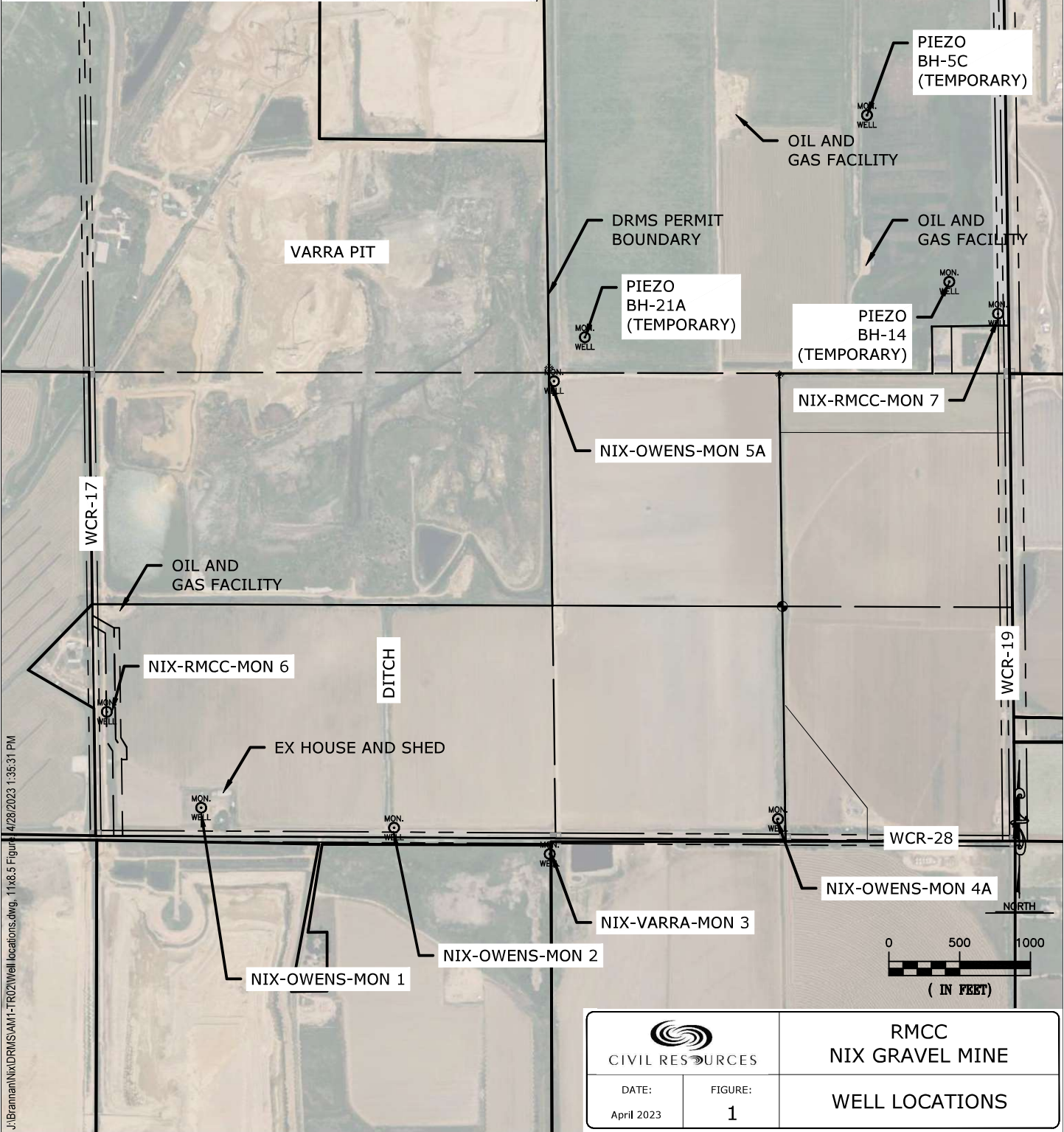
**Revised Monitoring Well Water Elevations Table**


Date	NIX-OWENS MON 1	NIX-OWENS MON 2	NIX-VARRA MON 3	NIX-OWENS MON 4	NIX-OWENS MON 5	NIX-RMCC MON 6	NIX-RMCC MON 7	NIX-RMCC MON 8	NIX-RMCC MON 8A	NIX-RMCC MON 9
8/3/2019	4786.79	4795.77	4798.88	4798.77	4786.72	4791.83	4794.56	4791.67		
9/7/2019	4788.06	4796.22	4799.54	4800.88	4787.92	4791.22	4796.11	4791.88		
10/5/2019	4783.36	4793.51	4798.3	4800.43	4786.25	4787.94	4796.59	4791.4		
11/2/2019	4780.72	4789.89	4795.28	4798.65	4784.85	4785.26	4795.94	4790.98		
12/7/2019	4780.67	4786.69	4792.77	4796.58	4783.95	4781.93	4794.82	4790.45		
1/4/2020	4780.7	4785.27	4791.27	4795.17	4783.07	4780.15	4793.97	4789.87		
2/1/2020	4780.69	4785.68	4790.2	4794.07	4782.34	4778.97	4793.14	4789.35		
3/7/2020	4780.95	4785.67	4789.06	4792.85	4781.59	4777.67	4792.16	4788.76		
4/4/2020	4780.93	4785.67	4788.37	4792.04	4780.88	4777.18	4791.55	4788.57		
5/2/2020	4780.94	4784.42	4790.99	4792.09	4780.74	4776.7	4791.53	4788.45		
6/6/2020	4780.69	4791.36	4796.59	4796.14	4784.12	4784.12	4793.39	4790.39		
8/1/2020	4780.7	4792.08	4797.58	4799.12	4786.66	4787.66	4794.96	4790.9		
9/4/2020	4780.7	4794.6	4799.12	4801.07	4788.38	4788.8	4796.5	4791.22		
10/3/2020	4780.7	4788.36	4795.7	4798.76	4785.59	4784.9	4796.51	4791.53		
11/7/2020	4779.68	4785.45	4792.4	4796.72	4784.28	4780.61	4795.57	4790.9		
12/7/2020	4780.73	4785.39	4790.77	4795.25	4783.32	4778.34	4794.62	4790.3		
1/4/2021	4780.68	4785.42	4789.54	4794.09	4782.44	4776.78	4793.75	4789.73		
2/2/2021	4780.69	4785.41	4788.6	4793.05	4781.72	4775.7	4792.88	4789.14		
3/2/2021	4780.69	4785.41	4787.92	4792.16	4781.2	4774.95	4792.06	4788.62		
4/5/2021	4780.7	4785.4	4787.37	4791.27	4780.86	4774.42	4791.23	4788.34		
5/1/2021	4780.67	4785.39	4786.98	4790.76	4780.46	4775.11	4791.08	4788.45		
6/1/2021	4780.67	4785.39	4788.44	4790.98	4780.57	4775.24	4791.49	4788.76		
7/1/2021	4780.67	4785.55	4791.9	4791.9	4781.5	4777.98	4792.65	4789.57		
8/2/2021	4780.67	4789.1	4794.82	4794.58	4782.89	4786.25	4793.99	4790.67		
9/1/2021	4780.7	4790.27	4795.93	4796.96	4784.33	4787.58	4795.3	4791.13		

10/1/2021	4780.7	4793.03	4797.95	4798.44	4784.5	4786.12	4796.09	4791.73		
10/30/2021	4780.67	4786.87	4793.45	4797.51	4784.11	4784.53	4795.9	4791.31		
11/30/2021	4780.65	4786.47	4791.7	4797.48	4783.5	4784.48	4795.17	4790.62		
1/4/2022	4780.65	4786.47	4790.03	4796.21	4782.44	4778.67	4793.99	4789.83		
2/1/2022	4780.65	4786.47	4789.17	4795.92	4781.84	4777.55	4793.22	4789.32		
2/25/2022	4780.65	4786.47	4789.18	4795.52	4781.79	4776.8	4792.8	4789.25		
3/25/2022	4780.65	4786.47	4788.48	4795.39	4780.69	4775.88	4791.65	4788.38		
4/29/2022	4780.65	4786.47	4788.78	4790.99	4779.99	4776.22	4791.42	4788.21		
6/6/2022	4780.65	4786.47	4792.96	4792.15	4780.83	4781.07	4792.09	4789.43		
7/1/2022	4780.65	4786.47	4789.85	4792.74	4780.85	4780.67	4792.4	4790.03		
7/29/2022	4780.65	4786.47	4789.36	4792.15	4781.19	4781.47	4793.35	4790.03		
9/1/2022	4780.65	4786.47	4788.7	4792.29	4781.64	4781.95	4792.9	4790.03		
9/30/2022	4780.65	4786.47	4788.58	4792.27	4781.64	4781.77	4792.91	4789.92		
10/31/2022	4780.65	4786.47	4788.6	4792.28	4781.59	4781.63	4792.95	4789.93		
11/30/2022	4780.65	4786.47	4786.58	4792.15	4781.54	4778.42	4792.8	4790.02		
12/29/2022	4780.65	4786.47	4786.71	4792.19	4781.57	4778.51	4792.8	4789.94		
1/31/2023	4780.65	4786.47	4786.55	4792.23	4781.64	4778.38	4792.92	4790.03		
2/28/2023	4780.65	4786.47	4785.58	4791.09	4780.17	4775.8	4792.9	4788.61		
3/31/2023	4780.65	4786.47	4786.01	4791.19	4780.14	4776.7	4793.13	4788.88		
5/5/2023	4780.65	4786.47	4784.64	4790.19	4779.14	4774.8	4790.31	4787.78		
6/27/2023	4780.65	4786.47	4783.89	4790.19	4780.47	4777.45	4791.6	4788.93		
8/1/2023	4780.65	4786.47	4783.97	4790.87	4781.64	4781.47	4792.74	4790.12		
9/7/2023	4780.65	4786.47	4784.08	4791.19	4782.39	4781.5	4792.67	4790.13		
10/10/2023	4780.65	4786.47	4782.67	4790.09	4782.35	4780.04	4791.91	4789.83		
12/13/2023	4780.65	4786.47	4782.68	4790.67	4782.22	4778.45	4795.9	Well Removed		
1/2/2024	4780.65	4786.47	4782.84	4789.48	4780.53	4777.28	4795.52			
2/26/2024	4780.65	4786.47	4782.25	4788.69	4781.09	4774.8	4794.29		4787.93	
4/3/2024	4780.65	4786.47	4782.58	4788.77	4781.57	4775	4794.9		4787.68	4785.62
5/31/2024	4780.65	4786.47	4782.93	4788.77	4784.31	4779	4794.55		4787.43	4786.39



NIX MONITORING WELLS					
Name	Easting x	Northing y	Collar Ground z	Collar Top z	Notes
NIX-OWENS MON 1	3166994.968	1312646.173	4800.32	4803.45	Installed by Owens Bros in 2001
NIX-OWENS MON 2	3168085.064	1312533.032	4802.85	4805.77	Installed by Owens Bros in 2001
NIX-VARRA MON 3	3168964.364	1312384.793	4802.39	4805.58	Installed by VARRA
NIX-OWENS MON 4	3170254.539	1312583.059	4807.93	4810.19	Installed by Owens Bros in 2001
NIX-OWENS MON 5	3168988.820	1315055.577	4798.55	4801.64	Installed by Owens Bros in 2001
NIX-RMCC MON 6	3166462.113	1313187.877	4798.25	4800.80	Installed by RMCC in July 2019
NIX-RMCC MON 7	3171497.857	1315437.450	4805.42	4807.90	Installed by RMCC in July 2019
NIX-RMCC MON 8A	3169012.053	131627.097	4792.80	4795.32	Installed by RMCC in Nov 2023
NIX-RMCC MON 9	3169006.290	1317643.188	4794.00	4796.50	Installed by RMCC in April 2023





CIVIL RESOURCES

DATE:

April 2023

FIGURE:

1

RMCC  
NIX GRAVEL MINE  
WELL LOCATIONS

7/30/2024	4780.65	4786.47	4782.57	4788.71	4784.24	4778.09	4794.53		4786.92	4789.05
9/10/2024	4780.65	4786.47	4781.58	4792.01	4785.64	4783.8	4798.2		4788.6	4788.99
11/26/2024	4780.65	4786.47	4783.46	4793.19	4785.59	4784.68	4797.75		4787.93	4788.95
1/3/2025	4780.65	4786.47	4782.3	4791.04	4782.07	4780.8	4797.3		4784.369	4785.65
1/31/2025	4780.65	4786.47	4781.9	4790.47	4781.64	4776.7	4797.9		4786.93	4785.25
3/4/2025	4780.65	4786.47	4781.46	4789.19	4781.69	4775.8	4796.79		4786.93	4780.4
3/28/2025	4780.65	4786.47	4781.68	4791.4	4786.74	4776.62	4796.9		4786.11	4785.06
4/29/2025	4780.65	4786.47	4782.016	4792.58	4787.64	4776.56	4796.67		4786.13	4784.87
6/3/2025	4780.65	4786.47	4782.58	4792.63	4787.64	4777.79	4797.02		4786.93	4784.5
7/1/2025	4780.65	4786.47	4781.48	4793.19	4783.87	4782.8	4797.9		4786.51	4779.31

Well Name:	NIX-OWENS MON 1	NIX-OWENS MON 2	NIX-VARRA MON 3	NIX-OWENS MON 4	NIX-OWENS MON 5	NIX-RMCC MON 6	NIX-RMCC MON 7	NIX-RMCC MON 8	NIX-RMCC MON 8A	NIX-RMCC MON 9
Baseline Minimum (ft)	4779.68	4784.42	4781.46	4788.69	4779.14	4774.42	4790.31	4787.78	4784.369	4779.31
Baseline Maximum (ft)	4788.06	4796.22	4799.54	4801.07	4788.38	4791.83	4798.2	4791.88	4788.6	4789.05
Low Elevation Action Level (ft)	4777.68	4782.42	4779.46	4786.69	4777.14	4772.42	4788.31	4785.78	4782.369	4777.31
High Elevation Action Level (ft)	4790.06	4798.22	4801.54	4803.07	4790.38	4793.83	4800.2	4793.88	4790.6	4791.05

[illegible]



**ORIGINAL PERMIT APPLICANT(S)**

READY MIXED CONCRETE COMPANY (JOE LAMANA)

**APPROVED WELL LOCATION**

Water Division: 1 Water District: 2  
Designated Basin: N/A  
Management District: N/A  
County: WELD  
Parcel Name: N/A  
Physical Address: 8133 WELD CR 28 PLATTEVILLE, CO 80651  
NE 1/4 NE 1/4 Section 28 Township 3.0 N Range 67.0 W Sixth P.M.

**AUTHORIZED AGENT**

CIVIL RESOURCES, LLC (LINDEN, GARY)

**UTM COORDINATES (Meters, Zone:13, NAD83)**

Easting: 509438.0 Northing: 4450377.0

**PERMIT TO USE AN EXISTING WELL**

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT  
**CONDITIONS OF APPROVAL**

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) Approved for the use of an existing well acknowledged for construction under monitoring hole notice 4000538-MH, and known as MW-8.
- 5) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 6) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 7) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 8) The owner shall mark the well in a conspicuous location with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well must have been constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules.
- 10) This well must be located not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

Issued By ANITIA ARCHULETA

Date Issued: 2/8/2024

Expiration Date: N/A

Form No GWS-09 03/2017	<b>STATE OF COLORADO, OFFICE OF THE STATE ENGINEER</b> 1313 Sherman St., Room 821, Denver, CO 80203 303.866.3581 <a href="http://dwr.colorado.gov">dwr.colorado.gov</a> and <a href="mailto:dwrpermitsonline@state.co.us">dwrpermitsonline@state.co.us</a>	For Office Use Only															
<h2 style="margin: 0;">WELL ABANDONMENT REPORT</h2> <p style="margin: 0;">Use to report plugging and sealing of permitted wells, monitoring and other holes. Type or print in black or blue ink. Instructions and plugging standards are on reverse side</p>																	
1. Well Permit Number of plugged well <u>315480-</u> or MH File Number MH- <u>059597</u> Owners Well Designation- <u>RMCC-MW-8</u> Receipt Number: <u>3694398C</u>																	
2. Individual/Company responsible for plugging and sealing the well: Name(s) <u>Kyle Regan</u> License # _____ Mailing Address <u>8308 Colorado Blvd. Suite 200</u> City, St., Zip <u>Firestone, CO 80504</u> Phone ( <u>303</u> ) <u>833-1416</u> Email <u>kyle@civilresources.com</u>																	
3. Well (Hole) Owner: Name(s): <u>Ready Mixed Concrete Company</u> Phone: ( <u>720</u> ) <u>282-2344</u> Email: <u>Jlamanna@brannan1.com</u> Mailing Address, City, St., Zip: <u>11778 Highway 52, Fort Lupton, CO 80621</u>																	
4. Well Location Address: <u>No Address</u>																	
5. GPS Well Location: County <u>Weld</u> UTM <input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13 Easting <u>509465.0</u> Northing <u>4450382.0</u>																	
6. Legal Location: <u>NE</u> 1/4 of the <u>NE</u> 1/4, Sec <u>28</u> , Twp <u>3</u> <input checked="" type="checkbox"/> N or S <input type="checkbox"/> , Range <u>67</u> <input type="checkbox"/> E or W <input checked="" type="checkbox"/> , <u>6</u> P.M. Distance from Section Lines <u>60</u> Ft. From <input checked="" type="checkbox"/> N or S <input type="checkbox"/> , <u>790</u> Ft. From <input checked="" type="checkbox"/> E or W <input type="checkbox"/> Line. Subdivision Name <u>NA</u> Lot _____, Block _____, Filing/Unit _____																	
7. I/we report the existing well/hole was plugged and sealed on <u>09/12/2023</u> (date) for the following reason(s): <input type="checkbox"/> The well was plugged and sealed as required under Well Permit Number _____. <input type="checkbox"/> The well was not in use and was plugged and sealed. <input checked="" type="checkbox"/> Other (please explain) <u>The well was in conflict with highway improvements</u>																	
8. Aquifer Type: <input type="checkbox"/> Type I (One Confining Layer) <input type="checkbox"/> Type I (Multiple Confining Layer) <input type="checkbox"/> Laramie-Fox Hills (check one) <input type="checkbox"/> Type II (Not Overlain by Type III) <input type="checkbox"/> Type II (Overlain by Type III) <input checked="" type="checkbox"/> Type III (alluvial)																	
9. Intervals of Casing Removed/Ripped: from <u>0</u> feet to <u>5</u> feet, from _____ feet to _____ feet, from _____ feet to _____ feet, from _____ feet to _____ feet, from _____ feet to _____ feet, from _____ feet to _____ feet,																	
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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 in compliance with Rule 17.4.																	
11. Signature(s) <u>Kyle Scott Regan</u> _____ _____	Please Print the Name, Title, & License No. <u>Kyle Scott Regan, Geologist, P.G.</u> _____ _____	Date <u>10/06/2023</u> _____ _____															
It is the responsibility of the well owner to have the well/hole properly plugged and sealed. The Well Construction Contractor is responsible for notifying the owner of this requirement in writing.																	



## Instructions

This report must be computer-generated online, typed or printed in BLACK OR BLUE INK and may be reproduced by photocopy or computer generation. Photocopy reproductions must retain margins and print quality. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface.

If filing online please see the [FORM SUBMITTAL, PAYMENT OPTIONS, & FEE SCHEDULE](#)

You may also save, print and email the completed form to: [dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us)

These reports must be completed and submitted to the Division of Water Resources, usually within 60 days of plugging and sealing the well/hole.

Please refer to **Form GWS-09A** for the Standards for Plugging, Sealing, and Abandoning Wells and Boreholes

**Item Instructions:** (numbers correspond with those on the front of this form)

1. Complete the well permit and receipt number for the abandoned well.
2. Complete the name and contact information for the person performing the abandonment work.
3. Complete the well owner name and contact information.
4. Complete the address where the abandoned well is located.
5. Provide the GPS location and County where the abandoned well is located.

Colorado contains two (2) UTM zones. Zone 13 covers most of Colorado. The boundary between Zone 12 and Zone 13 is the 108<sup>th</sup> Meridian (longitude). West of the 108<sup>th</sup> Meridian is UTM Zone 12 and east of the 108<sup>th</sup> Meridian is UTM Zone 13. The 108<sup>th</sup> Meridian is approximately 57 miles east of the Colorado-Utah state line. On most GPS units, the UTM zone is given as part of the Easting measurement, e.g. 12T0123456. Check the appropriate box for the zone.

6. Complete the legal description location of the (abandoned) well. For wells located in subdivisions, the name, lot, block, and filing, must be provided.
7. Indicate the reason(s) for plugging and sealing the well/hole.
8. Indicate the aquifer in which the abandoned well was completed.
9. Indicate the intervals where casing was removed, perforated, or ripped.
10. Complete the amount, type, method of placement and interval placed of the sealing materials.
11. Complete the Name, Title, and License Number (if applicable) of the individual(s) who are responsible for the work performed. The report must be signed by the responsible party per Rule 17.4. If applicable, indicate if Professional Engineer or Professional Geologist in place of License Number.

**Rule 17.4 Certification** - Work reports must be signed and certified as to accuracy and truthfulness of the information on the report by the well construction or pump installation contractors or authorized individuals responsible for the work performed by them or under their direction or supervision, or by the private driller or private pump installer if the work was performed by them. Such reports are deemed to be completed, signed and certified under oath.

Submit completed report to: State of Colorado, Office of the State Engineer, 1313 Sherman St, Room 821, Denver, CO 80203. You may also save, print, scan and email the completed form to [dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us)

<b>COLORADO DIVISION OF WATER RESOURCES</b> <b>DEPARTMENT OF NATURAL RESOURCES</b> <b>1313 SHERMAN ST., Ste 821, DENVER CO 80203</b> Phone: (303) 866-3581 <a href="mailto:dwrpermitsonline@state.co.us">dwrpermitsonline@state.co.us</a>					Office Use Only <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 10px;">           Form GWS-46 (11/2011)         </div>																						
<b>MONITORING/OBSERVATION</b> <b>Water Well Permit Application</b> Review instructions on reverse side prior to completing form. The form must be typed, completed online or in black or blue ink.					RECEIVED 12/01/2023 WATER RESOURCES STATE ENGINEER COLO																						
<b>1. Well Owner Information</b> Name of well owner  Ready Mixed Concrete Company  Mailing address  2500 Brannan Way  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; border-bottom: 1px solid black;">City</td> <td style="width: 10%; border-bottom: 1px solid black;">State</td> <td style="width: 70%; border-bottom: 1px solid black;">Zip code</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Denver</td> <td style="border-bottom: 1px solid black;">CO</td> <td style="border-bottom: 1px solid black;">80229</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid black;">Telephone #</td> <td style="width: 70%; border-bottom: 1px solid black;">E-Mail (If filing online it is required)</td> </tr> <tr> <td style="border-bottom: 1px solid black;">(720) 282-2344</td> <td style="border-bottom: 1px solid black;">jlamanna@brannan1.com</td> </tr> </table>					City	State	Zip code	Denver	CO	80229	Telephone #	E-Mail (If filing online it is required)	(720) 282-2344	jlamanna@brannan1.com	<b>6. Use Of Well</b>  Use of this well is limited to monitoring water levels and/or water quality sampling												
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<b>2. Type Of Application</b> (check applicable boxes)  <input type="checkbox"/> Use existing well <input type="checkbox"/> Replacement for existing monitoring well: <input checked="" type="checkbox"/> Construct new well      Permit no.: <input type="checkbox"/> Other:					<b>7. Well Data</b> (proposed) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; border-bottom: 1px solid black;">Total depth</td> <td style="width: 10%; border-bottom: 1px solid black;">feet</td> <td style="width: 30%; border-bottom: 1px solid black;">Aquifer</td> </tr> <tr> <td style="border-bottom: 1px solid black;">33</td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;">Alluvial</td> </tr> </table>		Total depth	feet	Aquifer	33		Alluvial															
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<b>4. Location Of Proposed Well (Important! See Instructions)</b> County Weld <u>NE</u> 1/4 of the <u>NE</u> 1/4  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%; border-bottom: 1px solid black;">Section</td> <td style="width: 12.5%; border-bottom: 1px solid black;">Township</td> <td style="width: 12.5%; border-bottom: 1px solid black;">N or S</td> <td style="width: 12.5%; border-bottom: 1px solid black;">Range</td> <td style="width: 12.5%; border-bottom: 1px solid black;">E or W</td> <td style="width: 37.5%; border-bottom: 1px solid black;">Principal Meridian</td> </tr> <tr> <td style="border-bottom: 1px solid black;">28</td> <td style="border-bottom: 1px solid black;">3</td> <td style="border-bottom: 1px solid black;"><input checked="" type="checkbox"/> N <input type="checkbox"/> S</td> <td style="border-bottom: 1px solid black;">67</td> <td style="border-bottom: 1px solid black;"><input type="checkbox"/> E <input checked="" type="checkbox"/> W</td> <td style="border-bottom: 1px solid black;">6</td> </tr> </table> Distance of well from section lines (section lines are typically not property lines) ~110      Ft. from <input checked="" type="checkbox"/> N <input type="checkbox"/> S ~830      Ft. from <input checked="" type="checkbox"/> E <input type="checkbox"/> W For replacement wells only – distance and direction from old well to new well <div style="display: flex; justify-content: space-between; width: 100%;"> <span>feet</span> <span>direction</span> </div> Well location address (Include City, State, Zip) <input type="checkbox"/> Check if well address is same as Item 1. 8133 Weld County Road 28, Platteville, CO 80651 <b>Optional:</b> GPS well location information in UTM format You must check GPS unit for required settings as follows: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-bottom: 1px solid black;">           Format must be UTM  <input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13            Units must be Meters  <b>Datum must be NAD83</b>            Unit must be set to true north            Was GPS unit checked for above?    <input type="checkbox"/> YES         </td> <td style="width: 50%; border-bottom: 1px solid black; vertical-align: top;">           Easting <u>509438</u>            Northing <u>4450377</u>  <b>Remember to set Datum to NAD83</b> </td> </tr> </table>					Section	Township	N or S	Range	E or W	Principal Meridian	28	3	<input checked="" type="checkbox"/> N <input type="checkbox"/> S	67	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	6	Format must be UTM <input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13 Units must be Meters <b>Datum must be NAD83</b> Unit must be set to true north Was GPS unit checked for above? <input type="checkbox"/> YES	Easting <u>509438</u> Northing <u>4450377</u> <b>Remember to set Datum to NAD83</b>	<b>9. Proposed Well Driller License #</b> (optional): <b>10. Name of Well Owner or Authorized Agent</b> The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; border-bottom: 1px solid black;">Sign or enter full name here</td> <td style="width: 30%; border-bottom: 1px solid black;">Date (mm/dd/yyyy)</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Gary Keith Linden, P.G., Sr. Eng. Geologist</td> <td style="border-bottom: 1px solid black;">11/30/2023</td> </tr> </table> If signing print name. Print title if other than land owner. Gary Linden  <b>Office Use Only</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; border-bottom: 1px solid black;">USGS map name</td> <td style="width: 20%; border-bottom: 1px solid black;">DWR map no.</td> <td style="width: 40%; border-bottom: 1px solid black;">Surface elev.</td> </tr> </table> <div style="border: 1px solid black; padding: 20px; text-align: center; margin-top: 10px;">             Receipt area only   <div style="font-size: 2em; margin: 10px 0;">10033086</div> </div> <div style="text-align: center; margin-top: 20px;">             DIV ____ WD ____ BA ____ MD ____           </div>		Sign or enter full name here	Date (mm/dd/yyyy)	Gary Keith Linden, P.G., Sr. Eng. Geologist	11/30/2023	USGS map name	DWR map no.	Surface elev.
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