

**TABLE 1**  
**ACCUTEST ANALYTICAL RESULTS**  
**12735 County Road 34, Permit #15631**  
**Platteville, Colorado**  
**Sample ID: 7\_3N\_66W\_Henrickson**

<b>Analyte, Units</b>	<b>1/16/2020 Result</b>	<b>4/6/2020 Result</b>	<b>7/21/2020 Result</b>	<b>10/28/2020 Result</b>
Alkalinity, Bicarbonate, mg/L	365	401	408	398
Alkalinity, Carbonate, mg/L	14.4	ND	8.9	ND
Alkalinity, Total, mg/L	380	401	417	398
Bacteria, Iron Reducing, CFU/mL	35,000	35,000	35,000	9,000
Bacteria, Slime Forming, CFU/mL	440,000	67,000	440,000	440,000
Bacteria, Sulfate Reducing, CFU/mL	115,000	6,000	6,000	ND
Barium, mg/L	0.0704	0.0853	0.0643	0.0703
Benzene, ug/L	5.4	0.95	1.7	1.3
Boron, mg/L	ND	0.104	0.0981	0.105
Bromide, mg/L	0.49	0.48	0.51	0.44
Calcium, mg/L	4.21	3.74	3.21	4.00
Chloride, mg/L	47.5	47.7	48.7	47.9
Diesel Range Organics, mg/L	ND	ND	ND	ND
Ethane, mg/L	1.01	0.461	0.352	0.0015
Ethylbenzene, ug/L	ND	ND	ND	ND
Fluoride, mg/L	1.7	1.7	1.7	1.7
Gasoline Range Organics, mg/L	0.0649	0.0559	0.108	0.0907
Iron, mg/L	ND	0.0320	0.0823	0.0465
Magnesium, mg/L	ND	0.707	0.658	0.771
Manganese, mg/L	ND	0.0128	0.0078	0.0125
Methane, mg/L	7.07	6.36	7.52	6.35
Nitrogen, Nitrate, mg/L	ND	ND	ND	ND
Nitrogen, Nitrite, mg/L	ND	ND	ND	ND
pH, Standard Units	9.82	8.41	8.50	8.02
Phosphorus, Total, mg/L	0.020	0.038	0.026	0.015
Propane, mg/L	0.560	0.150	0.162	ND
Potassium, mg/L	ND	1.87	1.62	1.38
Selenium, mg/L	ND	ND	ND	0.0019
Sodium, mg/L	213	174	200	206
Specific Conductivity, µmhos/cm	852	940	1,010	728
Strontium, mg/L	0.132	0.181	0.106	0.119
Sulfate, mg/L	1.6	ND	0.53	0.73
Toluene, ug/L	0.70	ND	ND	ND
Total Dissolved Solids, mg/L	521	547	554	521
Xylene, Total, ug/L	ND	ND	ND	ND

Notes:

ND (RL) = Non-detect (reporting limit)

Lab qualifiers (i.e. letters next to result) are defined in the lab report

**TABLE 2**  
**ISOTECH SIW RESULTS**  
**12735 County Road 34, Permit #15631**  
**Platteville, Colorado**  
**Sample ID: 7\_3N\_66W\_Henrickson**

<b>Analyte, Units</b>	<b>1/16/2020 Result</b>	<b>4/6/2020 Result</b>	<b>7/21/2020 Result</b>	<b>10/28/2020 Result</b>
dD of water, ‰ relative to VSMOW	-107.5	-109.1	-108.8	-108.2
d18O of water, ‰ relative to VSMOW	-14.24	-14.30	-14.29	-14.05
Tritium content of water, ‰	na	na	na	na
d13C of DIC, ‰ relative to VPDB	-12.6	-11.9	-12.9	-12.6
14C content of DIC, ‰	na	na	na	na
d15N of nitrate, ‰	na	na	na	na
d18O of nitrate, ‰	na	na	na	na
d34S of sulfate, ‰	na	na	na	na
d18O of sulfate, ‰	na	na	na	na

Notes:

Isotopic analysis conducted at Isotech Laboratories Inc.

na = not analyzed

**TABLE 3**  
**ISOTECH NG4 RESULTS**  
**12735 County Road 34, Permit #15631**  
**Platteville, Colorado**  
**Sample ID: 7\_3N\_66W\_Henrickson**

<b>Analyte, Units</b>	<b>1/16/2020 Result</b>	<b>4/6/2020 Result</b>	<b>7/21/2020 Result</b>	<b>10/28/2020 Result</b>
Carbon Monoxide, mol %	nd	nd	nd	nd
Helium, mol %	na	na	na	na
Hydrogen, mol %	nd	nd	nd	nd
Argon, mol %	0.828 (0.61 mg/L)	0.954 (0.59 mg/L)	0.695 (0.52 mg/L)	0.808 (0.51 mg/L)
Oxygen, mol %	1.25	3.26	3.91	2.97
Nitrogen, mol %	43.29 (20 mg/L)	47.86 (18 mg/L)	39.73 (18 mg/L)	44.99 (18 mg/L)
Carbon Dioxide, mol %	0.89	0.87	0.78	1.09
Methane, mol %	49.40 (15 mg/L)	44.89 (11 mg/L)	49.55 (15 mg/L)	45.70 (12 mg/L)
Ethane, mol %	2.98 (1.8 mg/L)	1.58 (0.80 mg/L)	3.57 (2.2 mg/L)	3.19 (1.6 mg/L)
Ethylene, mol %	nd	nd	nd	nd
Propane, mol %	1.08 (0.91 mg/L)	0.472 (0.33 mg/L)	1.38 (1.2 mg/L)	0.994 (0.71 mg/L)
Propylene, mol %	nd	0.0008	nd	nd
Iso-butane, mol %	0.0916	0.0427	0.122	0.0991
N-butane, mol %	0.155	0.0590	0.207	0.125
Iso-pentane, mol %	0.0204	0.0096	0.0280	0.0214
N-pentane, mol %	0.0111	0.0034	0.0166	0.0089
Hexanes + , mol %	0.0045	0.0017	0.0070	0.0049

**Notes:**

Isotopic analysis conducted at Isotech Laboratories, Inc.

<sup>a</sup> Chemical compositions are normalized to 100% (Mol. % is approximately equal to Vol. % ).

Additional information provided in attached lab report.

nd = not detected

na = not analyzed