

**FOUNDATION ENERGY INC.**  
**ALLARD 30-8-5 (North) Former Well Jack Area and**  
**ALLARD 30-8-5 (South) Former Treater/Battery Area**

**FORM 27 SUPPLEMENTAL**  
**FOURTH QUARTER 2021 GROUNDWATER MONITORING SUMMARY REPORT**

**ATTACHMENTS**

**Tables**

- 1 Summary of Groundwater Elevation Data
- 2 Fourth Quarter 2021 Groundwater Analytical Results
- 3 Historical Groundwater Analytical Results

**Figures**

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- 6 Allard 30-8-5 North Former Well Jack Area Groundwater Sample Analytical Map

**Attachments**

- A Summit Scientific Laboratory Reports:  
-2111297 (Groundwater)

**TABLE 1**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**FOUNDATION ENERGY - ALLARD 30-8-5**  
**JACKSON COUNTY, COLORADO**

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (1) (feet)
MW01	9/22/2021	8.87	-	-	9.31	7,949.31	7,940.44	-1.02
MW01	10/20/2021	7.07	-	-	9.31	7,949.31	7,942.24	1.80
MW01	11/16/2021	5.88	-	-	9.31	7,949.31	7,943.43	1.19
MW01	12/17/2021	7.11	-	-	9.31	7,949.31	7,942.20	-1.23
MW02	9/22/2021	8.45	-	-	8.91	7,949.43	7,940.98	-1.21
MW02	10/20/2021	6.00	-	-	8.91	7,949.43	7,943.43	2.45
MW02	11/16/2021	4.58	-	-	8.91	7,949.43	7,944.85	1.42
MW02	12/17/2021	6.58	-	-	8.91	7,949.43	7,942.85	-2.00
MW03	9/22/2021	9.68	-	-	10.96	7,950.22	7,940.54	-1.15
MW03	10/20/2021	7.57	-	-	10.96	7,950.22	7,942.65	2.11
MW03	11/16/2021	6.59	-	-	10.96	7,950.22	7,943.63	0.98
MW03	12/17/2021	7.86	-	-	10.96	7,950.22	7,942.36	-1.27
MW04	9/22/2021	DRY	-	-	6.43	7,948.97	NA	NC
MW04	10/20/2021	DRY	-	-	6.43	7,948.97	NA	NC
MW04	11/16/2021	DRY	-	-	6.43	7,948.97	NA	NC
MW04	12/17/2021	DRY	-	-	6.43	7,948.97	NA	NC
MW05	9/22/2021	8.72	-	-	9.05	7,950.07	7,941.35	-0.79
MW05	10/20/2021	6.88	-	-	9.05	7,950.07	7,943.19	1.84
MW05	11/16/2021	5.19	-	-	9.05	7,950.07	7,944.88	1.69
MW05	12/17/2021	7.17	-	-	9.05	7,950.07	7,942.90	-1.98
MW06	9/22/2021	6.95	-	-	9.02	7,944.76	7,937.81	-0.79
MW06	10/20/2021	5.65	-	-	9.02	7,944.76	7,939.11	1.30
MW06	11/16/2021	4.48	-	-	9.02	7,944.76	7,940.28	1.17
MW06	12/17/2021	5.00	-	-	9.02	7,944.76	7,939.76	-0.52
MW07	9/22/2021	7.38	-	-	8.69	7,944.85	7,937.47	-0.74
MW07	10/20/2021	6.18	-	-	8.69	7,944.85	7,938.67	1.20
MW07	11/16/2021	4.60	-	-	8.69	7,944.85	7,940.25	1.58
MW07	12/17/2021	5.69	-	-	8.69	7,944.85	7,939.16	-1.09
MW08	9/22/2021	7.56	-	-	9.18	7,945.16	7,937.60	-0.67
MW08	10/20/2021	6.54	-	-	9.18	7,945.16	7,938.62	1.02
MW08	11/16/2021	5.45	-	-	9.18	7,945.16	7,939.71	1.09
MW08	12/17/2021	5.81	-	-	9.18	7,945.16	7,939.35	-0.36
MW09	9/22/2021	8.28	-	-	10.01	7,946.19	7,937.91	-0.79
MW09	10/20/2021	7.05	-	-	10.01	7,946.19	7,939.14	1.23
MW09	11/16/2021	5.88	-	-	10.01	7,946.19	7,940.31	1.17
MW09	12/17/2021	Damaged	-	-	10.01	7,946.19	NM	NM
Average Change in Groundwater Elevation (8/24/2021 - 11/16/2021)								2.01

Notes:

collected during the most recent monitoring event.

amsl = feet above mean sea level

TOC = top of casing

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well \* LNAPL Relative Density)

LNAPL relative density was assumed to be approximately 0.75

NM = Not Measured

\* Well stick up heights modified after sampling event, before survey

NC = Not calculated

**TABLE 2**  
**FOURTH QUARTER 2021 GROUNDWATER ANALYTICAL RESULTS**  
**FOUNDATION ENERGY ALLARD 30-8-5**  
**JACKSON COUNTY, COLORADO**

Location Identification	Sample Date	Lab Report	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Comments
COGCC Standards (µg/L) <sup>(1)</sup>			5	560	700	1,400	67	67	140	(<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)	
<b>Allard South (Former Battery and Treater Area)</b>													
MW01	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW02	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW04	11/16/2021	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW05	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
<b>Allard North (Former Well Jack Area)</b>													
MW06	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW09	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	

Notes:

- 1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 915-1 of the COGCC 900 Series Rule for E&P Waste Management.
- 2). Standards are taken from the Colorado Department of Public Health and Environment - Water Quality Control Commission, 5 CCR 1002-41, Table A - Groundwater Organic Chemical Standards.

**Bold** values indicate an exceedance of the COGCC groundwater standards for the Site.

µg/L = micrograms per liter.

mg/L = milligrams per liter.

NS = Not Sampled

NA = Not Applicable

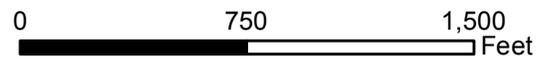
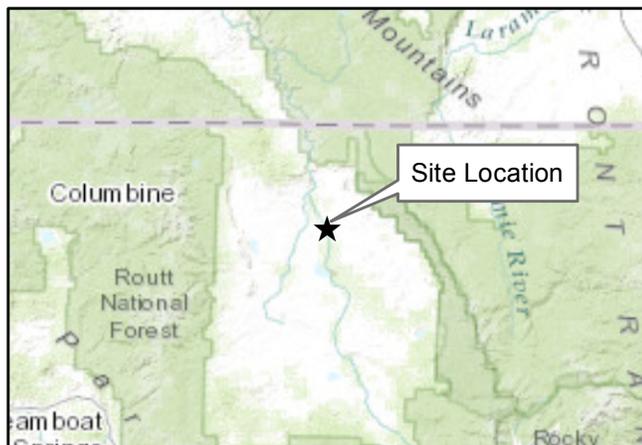
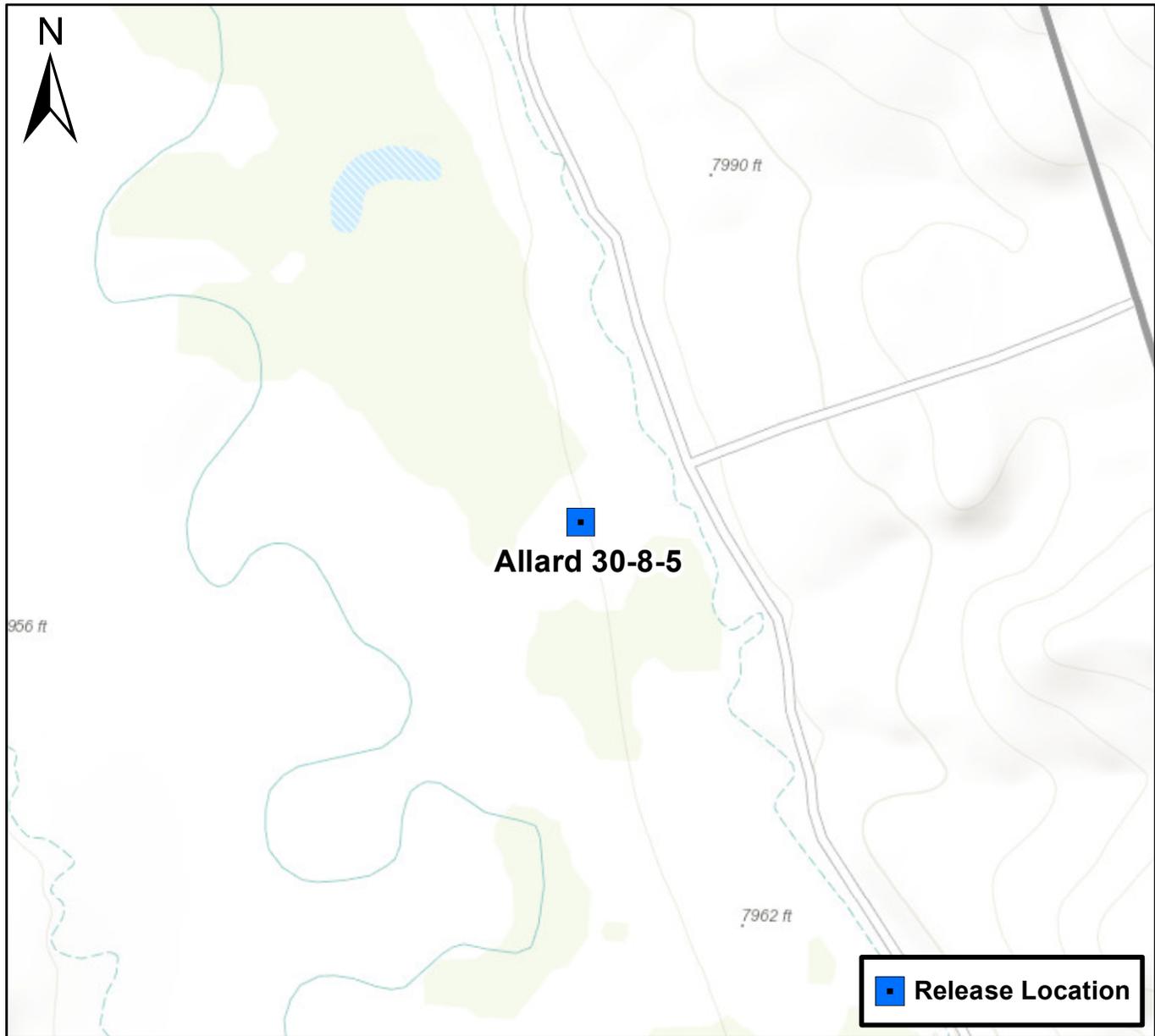
**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL RESULTS  
FOUNDATION ENERGY ALLARD 30-8-5  
JACKSON COUNTY, COLORADO**

Location Identification	Sample Date	Lab Report	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Comments
<b>COGCC Standards (µg/L)<sup>(1)</sup></b>			<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	( <b>&lt;1.25 x local background</b> )	( <b>250 mg/l or &lt;1.25 x local background</b> )	( <b>250 mg/l or &lt;1.25 x local background</b> )	
<b>Allard South (Former Battery and Treater Area)</b>													
MW01	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	727	64.2	134	
MW01	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW01	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW02	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	342	15.2	84.0	
MW02	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW02	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	317	14.4	107	
MW03	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW04	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	3.8	<1.0	346	10.2	83.4	
MW04	8/24/2021	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW04	11/16/2021	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW05	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	317	21.6	67.8	
MW05	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW05	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
SW01	5/20/2021	2105347	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	Surface water sample
<b>Allard North (Former Well Jack Area)</b>													
MW06	5/20/2021	2105346	1.5	<1.0	<1.0	27.0	7.1	25.0	3.7	278	20.2	71.8	
MW06	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW06	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	408	2.00	208	
MW07	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	206	19.0	60.4	
MW08	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW09	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	308	18.6	117	
MW09	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW09	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	

Notes:

- 1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 915-1 of the COGCC 900 Series Rule for E&P Waste Management.
- 2). Standards are taken from the Colorado Department of Public Health and Environment - Water Quality Control Commission, 5 CCR 1002-41, Table A - Groundwater Organic Chemical Standards.

**Bold** values indicate an exceedance of the COGCC groundwater standards for the Site.



### Figure 1

Site Location Map  
 Allard 30-8-5  
 SENE S30 T10N R79W  
 Jackson County, Colorado





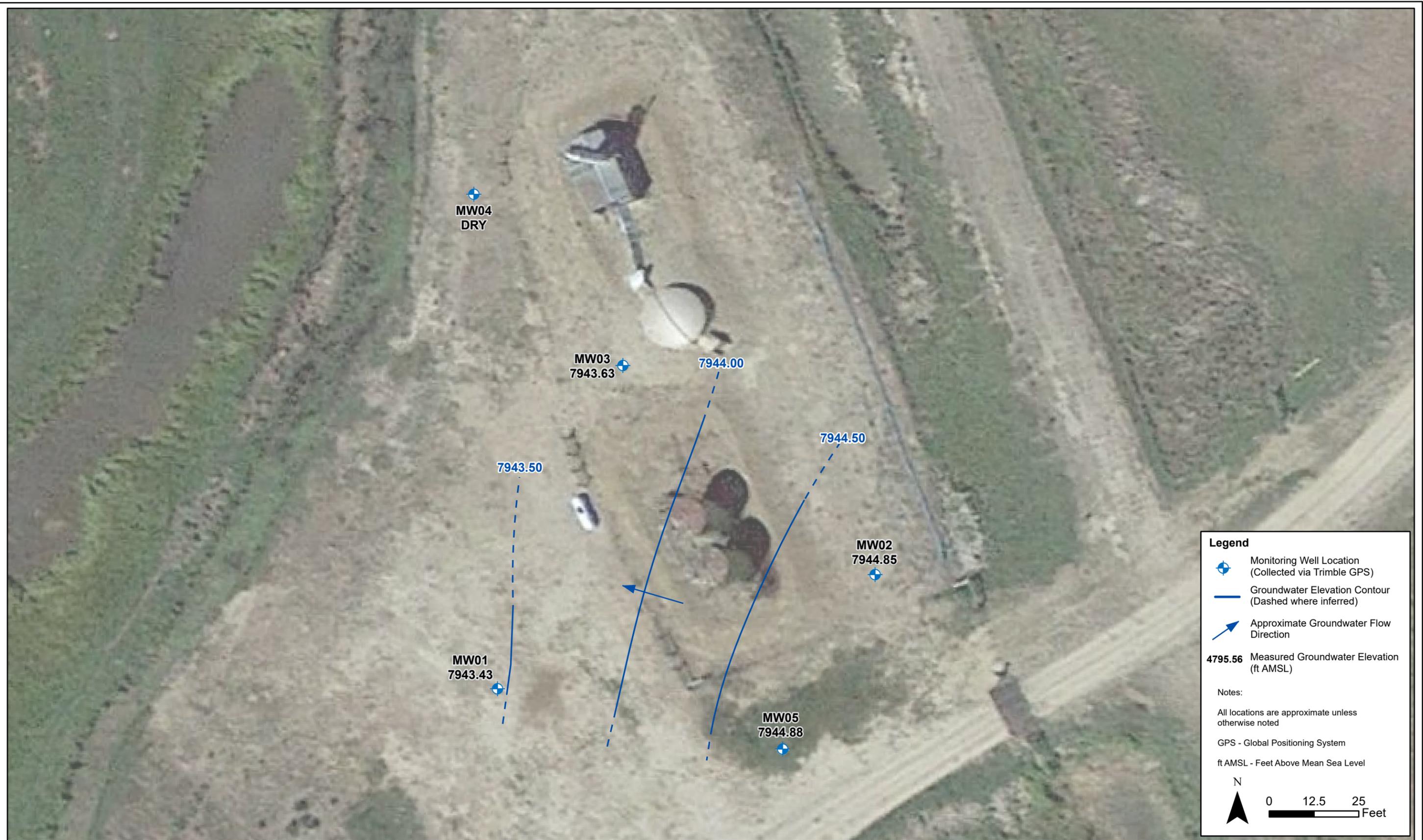
DATE:	September 2021
DESIGNED BY:	B. Humphey
DRAWN BY:	C. Ambler


**TASMAN**  
 GEOSCIENCES  
 Tasman Geosciences, Inc.  
 6855 W. 119th Ave  
 Broomfield, CO 80020

**Foundation Energy Inc.**  
**Allard 30-8-5**  
 SENE, Section 30, Township 10 North, Range 79 West  
 Jackson County, Colorado

Site Location Map

Figure  
2



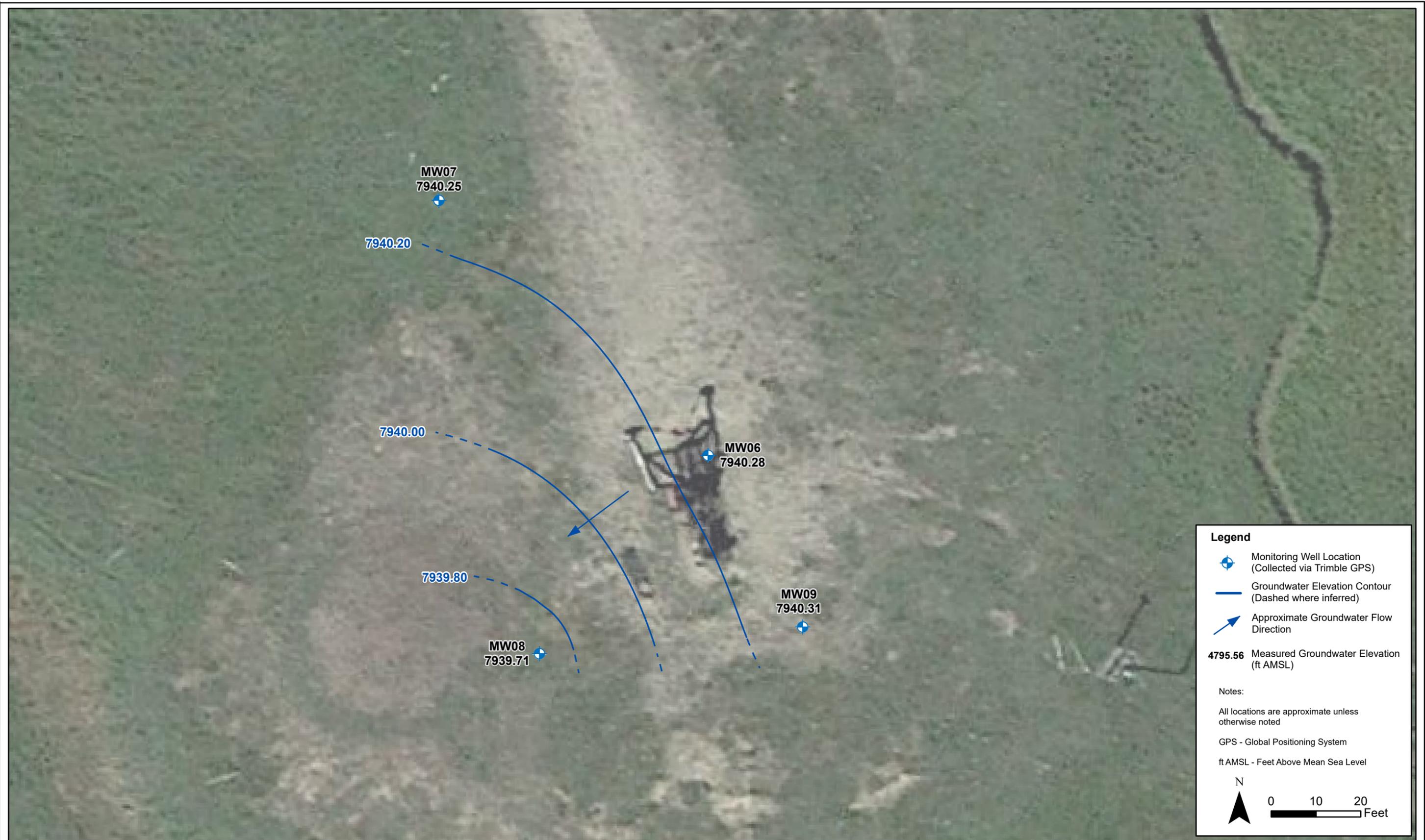
DATE:	December 2021
DESIGNED BY:	B. Humphrey
DRAWN BY:	A. Dahl



**DCP Midstream – DJ Basin**  
**Allard 30-8-5 South**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Elevation  
 Contour Map  
 (November 16, 2021)

Figure  
 3



DATE: December 2021  
 DESIGNED BY: B. Humphrey  
 DRAWN BY: A. Dahl



**DCP Midstream – DJ Basin**  
**Allard 30-8-5 North**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Elevation  
 Contour Map  
 (November 16, 2021)

Figure  
 4



DATE: December 2021  
 DESIGNED BY: B. Humphrey  
 DRAWN BY: A. Dahl



**DCP Midstream – DJ Basin**  
**Allard 30-8-5 South**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Analytical  
 Results Map  
 (November 16, 2021)

Figure  
 5



DATE: December 2021

DESIGNED BY: B. Humphrey

DRAWN BY: A. Dahl



**DCP Midstream – DJ Basin**  
**Allard 30-8-5 North**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Analytical  
 Results Map  
 (November 16, 2021)

Figure  
 6

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 24, 2021

Alyssa Beard  
Foundation Energy  
1801 Broadway, Suite 1500  
Denver, CO 80202

RE: Allard 30-8-5

Work Order #2111297

Enclosed are the results of analyses for samples received by Summit Scientific on 11/16/21 15:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

Muri Premer For Paul Shrewsbury  
President



Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	2111297-01	Water	11/16/21 11:41	11/16/21 15:08
MW02	2111297-02	Water	11/16/21 11:40	11/16/21 15:08
MW03	2111297-03	Water	11/16/21 11:32	11/16/21 15:08
MW05	2111297-04	Water	11/16/21 11:26	11/16/21 15:08
MW06	2111297-05	Water	11/16/21 11:10	11/16/21 15:08
MW07	2111297-06	Water	11/16/21 11:09	11/16/21 15:08
MW08	2111297-07	Water	11/16/21 10:53	11/16/21 15:08
MW09	2111297-08	Water	11/16/21 10:52	11/16/21 15:08

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



S<sub>2</sub>

2111297

Sample Receipt Checklist

S2 Work Order# \_\_\_\_\_

Client: Foundation/Tasman Client Project ID: Allend 30-85

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other \_\_\_\_\_ Airbill #: \_\_\_\_\_

Matrix (check all that apply):  Air  Soil/Solid  Water  Other: \_\_\_\_\_  
(Describe)

Temp (°C) 3.1

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

[Signature]  
Custodian Printed Name or Initials

11-10-21  
Date/Time



Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**MW01**  
**2111297-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 11:41**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 11:41**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		104 %		23-173	"	"	"	"	
Surrogate: Toluene-d8		107 %		20-170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %		21-167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**MW02**  
**2111297-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 11:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 11:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Summit Scientific

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**MW03**  
**2111297-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

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Foundation Energy  
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Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**MW05**  
**2111297-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 11:26**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 11:26**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

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Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**MW06**  
**2111297-05 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 11:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 11:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Summit Scientific

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Foundation Energy  
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Project: Allard 30-8-5

Project Number: [none]  
 Project Manager: Alyssa Beard

**Reported:**  
 11/24/21 13:39

**MW07**  
**2111297-06 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 11:09**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 11:09**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

Summit Scientific

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Foundation Energy  
1801 Broadway, Suite 1500  
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Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**MW08**  
**2111297-07 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 10:53**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 10:53**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

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Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**MW09**  
**2111297-08 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/16/21 10:52**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEK0427	11/18/21	11/19/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **11/16/21 10:52**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

Summit Scientific

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Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

#### Batch BEK0427 - EPA 5030 Water MS

##### Blank (BEK0427-BLK1)

Prepared & Analyzed: 11/18/21

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	2.0	"								
Naphthalene	ND	1.0	"								
1,2,4-Trimethylbenzene	ND	1.0	"								
1,3,5-Trimethylbenzene	ND	1.0	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.8		"	13.3		103		23-173			
<i>Surrogate: Toluene-d8</i>	14.3		"	13.3		107		20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	14.1		"	13.3		106		21-167			

##### LCS (BEK0427-BS1)

Prepared & Analyzed: 11/18/21

Benzene	62.0	1.0	ug/l	50.0		124		51-132			
Toluene	60.9	1.0	"	50.0		122		51-138			
Ethylbenzene	46.0	1.0	"	50.0		92.1		58-146			
m,p-Xylene	88.3	2.0	"	100		88.3		57-144			
o-Xylene	44.8	1.0	"	50.0		89.6		53-146			
Naphthalene	38.7	1.0	"	50.0		77.3		70-130			
1,2,4-Trimethylbenzene	40.9	1.0	"	50.0		81.8		70-130			
1,3,5-Trimethylbenzene	40.2	1.0	"	50.0		80.4		70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	12.8		"	13.3		95.8		23-173			
<i>Surrogate: Toluene-d8</i>	14.4		"	13.3		108		20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	14.3		"	13.3		108		21-167			

##### Matrix Spike (BEK0427-MS1)

Source: 2111263-01

Prepared & Analyzed: 11/18/21

Benzene	69.1	1.0	ug/l	50.0	ND	138		34-141			
Toluene	67.3	1.0	"	50.0	ND	135		27-151			
Ethylbenzene	50.6	1.0	"	50.0	ND	101		29-160			
m,p-Xylene	96.7	2.0	"	100	ND	96.7		20-166			
o-Xylene	48.8	1.0	"	50.0	ND	97.7		33-159			
Naphthalene	45.5	1.0	"	50.0	ND	91.1		70-130			
1,2,4-Trimethylbenzene	45.7	1.0	"	50.0	ND	91.3		70-130			
1,3,5-Trimethylbenzene	44.6	1.0	"	50.0	ND	89.1		70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	12.5		"	13.3		93.8		23-173			
<i>Surrogate: Toluene-d8</i>	14.3		"	13.3		107		20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	14.1		"	13.3		106		21-167			

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BEK0427 - EPA 5030 Water MS**

Matrix Spike Dup (BEK0427-MSD1)	Source: 2111263-01			Prepared & Analyzed: 11/18/21							
Benzene	67.1	1.0	ug/l	50.0	ND	134	34-141	2.92	30		
Toluene	66.2	1.0	"	50.0	ND	132	27-151	1.62	30		
Ethylbenzene	49.6	1.0	"	50.0	ND	99.3	29-160	1.90	30		
m,p-Xylene	94.7	2.0	"	100	ND	94.7	20-166	2.08	30		
o-Xylene	48.5	1.0	"	50.0	ND	96.9	33-159	0.761	30		
Naphthalene	45.6	1.0	"	50.0	ND	91.3	70-130	0.241	30		
1,2,4-Trimethylbenzene	45.3	1.0	"	50.0	ND	90.6	70-130	0.747	30		
1,3,5-Trimethylbenzene	44.3	1.0	"	50.0	ND	88.6	70-130	0.608	30		
Surrogate: 1,2-Dichloroethane-d4	12.2		"	13.3		91.8	23-173				
Surrogate: Toluene-d8	14.4		"	13.3		108	20-170				
Surrogate: 4-Bromofluorobenzene	14.2		"	13.3		107	21-167				

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1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/24/21 13:39

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference