

**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 2020 SUMMARY REPORT**

**ATTACHMENTS**

**Tables**

- 1 Allard 30-8-5 (North) Soil Sample Analytical Results
- 2 Allard 30-8-5 (North) Groundwater Sample Analytical Results
- 3 Allard 30-8-5 (South) Soil Sample Analytical Results
- 4 Allard 30-8-5 (South) Groundwater Sample Analytical Results

**Figures**

- 1 Site Location Map
- 2 Allard 30-8-5 (North) Soil Sample Analytical Map – December 1, 2020
- 3 Allard 30-8-5 (North) Groundwater Sample Analytical Map – December 1, 2020
- 4 Allard 30-8-5 (South) Soil Sample Analytical Map – December 1, 2020
- 5 Allard 30-8-5 (South) Groundwater Sample Analytical Map – December 1, 2020

**Appendices**

- A Laboratory Analytical Report
- Summit Scientific Job #: 2012032 (Former Treater/Battery Area)
  - Summit Scientific Job #: 2012033 (Former Well Jack Area)

**TABLE 1**  
**FOUNDATION ENERGY MANAGEMENT - ALLARD 30-8-5**  
**ALLARD NORTH - Former Well Jack Area**  
**SOIL SAMPLE ANALYTICAL RESULTS SUMMARY TABLE**

Sample ID	Date Sampled	Depth of Sample Collection (Feet bgs)	PID Reading (PPM)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH (mg/kg) <sup>2</sup>
COGCC standards for Soil (µg/L) <sup>1</sup>				0.17	85	100	175	500
WJPIT-01 (6.5') <sup>3</sup>	12/1/2020	6.5	376.1	<b>0.65</b>	1.7	0.61	2.8	<b>840</b>
WJPIT-SS (6.5') <sup>3</sup>	12/1/2020	6.5	0.0	<0.0020	0.0060	<0.0050	<0.010	1.3
WJPIT-N (5.5') <sup>3</sup>	12/1/2020	5.5	0.0	<0.0020	<0.0050	<0.0050	<0.010	<50
BDPIT (5') <sup>3</sup>	12/1/2020	5	0.0	<0.0020	<0.0050	<0.0050	0.022	<50

Notes:

1) Standards for Soil are referenced from the 2 CCR 404-1, Table 910-1, effective January 14, 2020

2) TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations

3) Sampled collected from the base of the excavation

GRO - Gasoline range organics

DRO - Diesel range organics

mg/kg= Milligrams per kilogram

bgs - Below ground surface

ppm - Parts per million

PID - Photoionization Detector

Bold red values indicate an exceedance of the COGCC soil standards for the Site

**TABLE 2**  
**FOUNDATION ENERGY MANAGEMENT - ALLARD 30-8-5**  
**ALLARD NORTH - Former Well Jack Area**  
**WATER SAMPLE ANALYTICAL RESULTS SUMMARY TABLE**

Sample ID	Date Sampled	Approximate Depth to Groundwater (Feet bgs)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
COGCC standards for Groundwater (µg/L) <sup>1</sup>			5	560 - 1,000	700	1,400 - 10,000
WJPIT-01	12/1/2020	6.5	<b>13,000</b>	<b>9,500</b>	17	<b>120,000</b>
WJPIT-SS	12/1/2020	6.5	<1.0	<1.0	<1.0	<2.0
WJPIT-N	12/1/2020	5.5	<1.0	<1.0	<1.0	<2.0
WJPIT-E	12/1/2020	4	<1.0	<1.0	<1.0	<2.0
WJPIT-W	12/1/2020	5.5	<1.0	<1.0	<1.0	<2.0

Notes:

1) Standards for Soil are referenced from the 2 CCR 404-1, Table 910-1, effective January 14, 2020

µg/L= micrograms per liter

bgs - Below ground surface

Bold red values indicate an exceedance of the COGCC water standards for the Site

**TABLE 3**  
**FOUNDATION ENERGY MANAGEMENT - ALLARD 30-8-5**  
**ALLARD SOUTH - Former Treater and Battery Area**  
**SOIL SAMPLE ANALYTICAL RESULTS SUMMARY TABLE**

Sample ID	Date Sampled	Depth of Sample Collection (Feet bgs)	PID Reading (PPM)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH (mg/kg) <sup>2</sup>
COGCC standards for Soil (mg/kg) <sup>1</sup>				0.17	85	100	175	500
TP-01 (5') <sup>3</sup>	12/1/2020	5	2,515	0.025	<0.0050	0.24	0.64	460
TP-02N (5') <sup>4</sup>	12/1/2020	5	2.0	<0.0020	<0.0050	<0.0050	<0.010	<50
TP-02E (5') <sup>4</sup>	12/1/2020	5	0.0	<0.0020	<0.0050	<0.0050	<0.010	<50
TP-02W (5') <sup>4</sup>	12/1/2020	5	0.0	<0.0020	<0.0050	<0.0050	<0.010	<50
TP-03BASE (5') <sup>3</sup>	12/1/2020	5	457	<0.0020	<0.0050	<0.0050	<0.010	148
TP-05BASE (5') <sup>3</sup>	12/1/2020	5	1,189	<0.0020	<0.0050	1.1	12	<b>3,900</b>
TP-08BASE (7') <sup>3</sup>	12/1/2020	7	3,154	<0.0020	<0.0050	0.59	4.5	<b>1,990</b>

Notes:

1) Standards for Soil are referenced from the 2 CCR 404-1, Table 910-1, effective January 14, 2020

2) TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations

3) Sampled collected from the base of the excavation

4) Sampled collected from the sidewall of the excavation

GRO - Gasoline range organics

DRO - Diesel range organics

mg/kg= Milligrams per kilogram

bgs - Below ground surface

ppm - Parts per million

PID - Photoionization Detector

Bold red values indicate an exceedance of the COGCC soil standards for the Site



**TABLE 4**  
**FOUNDATION ENERGY MANAGEMENT - ALLARD 30-8-5**  
**ALLARD SOUTH - Former Treater and Battery Area**  
**WATER SAMPLE ANALYTICAL RESULTS SUMMARY TABLE**

Sample ID	Date Sampled	Approximate Depth to Groundwater (Feet bgs)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
COGCC standards for Groundwater (µg/L) <sup>1</sup>			5	560 - 1,000	700	1,400 - 10,000
TP-01	12/1/2020	5	1.9	1.4	<1.0	18
TP-02	12/1/2020	5	<1.0	<1.0	<1.0	<2.0
TP-03	12/1/2020	5	<1.0	<1.0	<1.0	<2.0
TP-06	12/1/2020	5	<1.0	<1.0	<1.0	<2.0
TP-07	12/1/2020	5	<1.0	<1.0	<1.0	<2.0
TP-08	12/1/2020	7	<b>340</b>	170	<b>3,300</b>	<b>21,000</b>

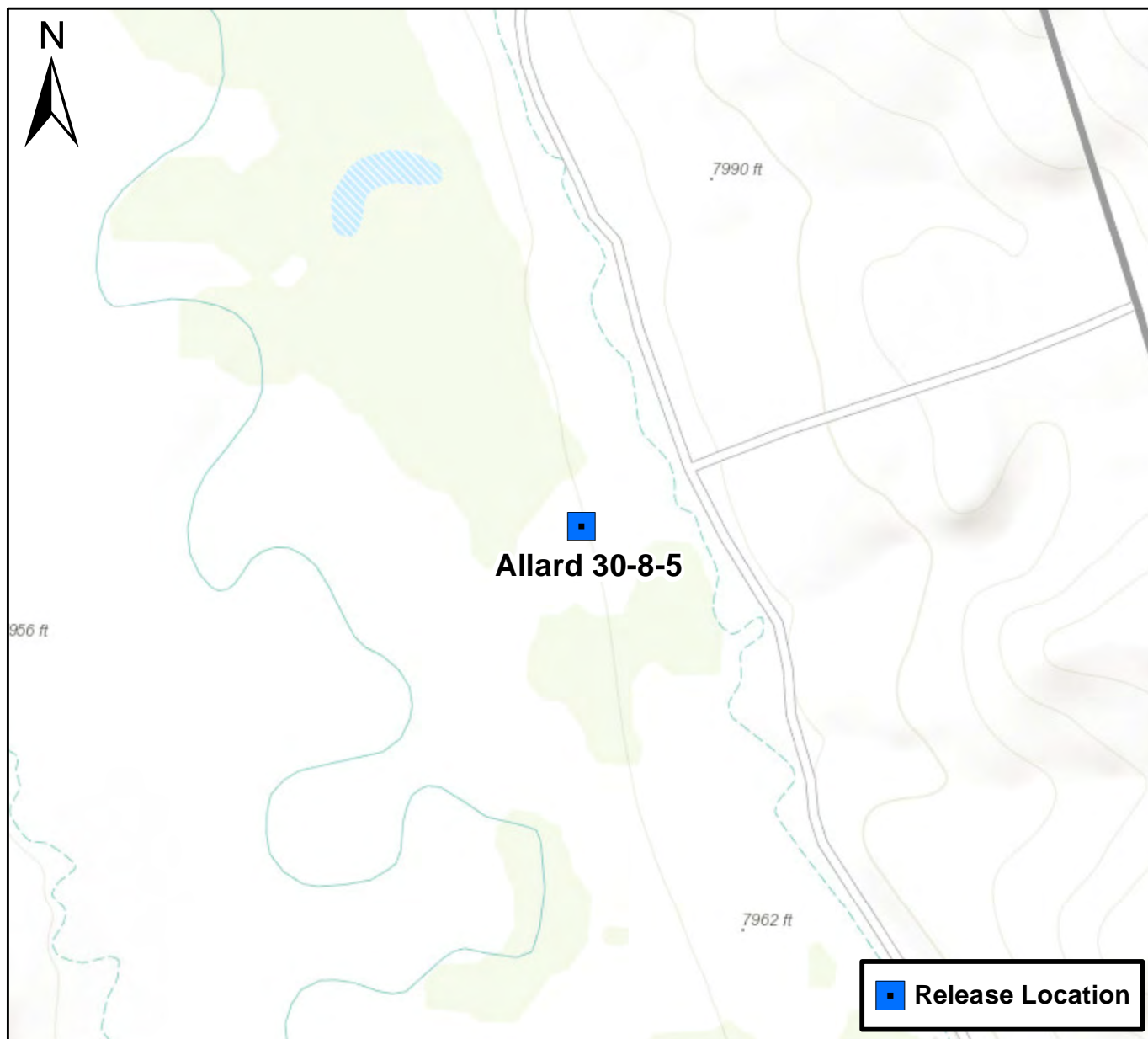
Notes:

1) Standards for Soil are referenced from the 2 CCR 404-1, Table 910-1, effective January 14, 2020

µg/L= micrograms per liter

bgs - Below ground surface

Bold red values indicate an exceedance of the COGCC water standards for the Site



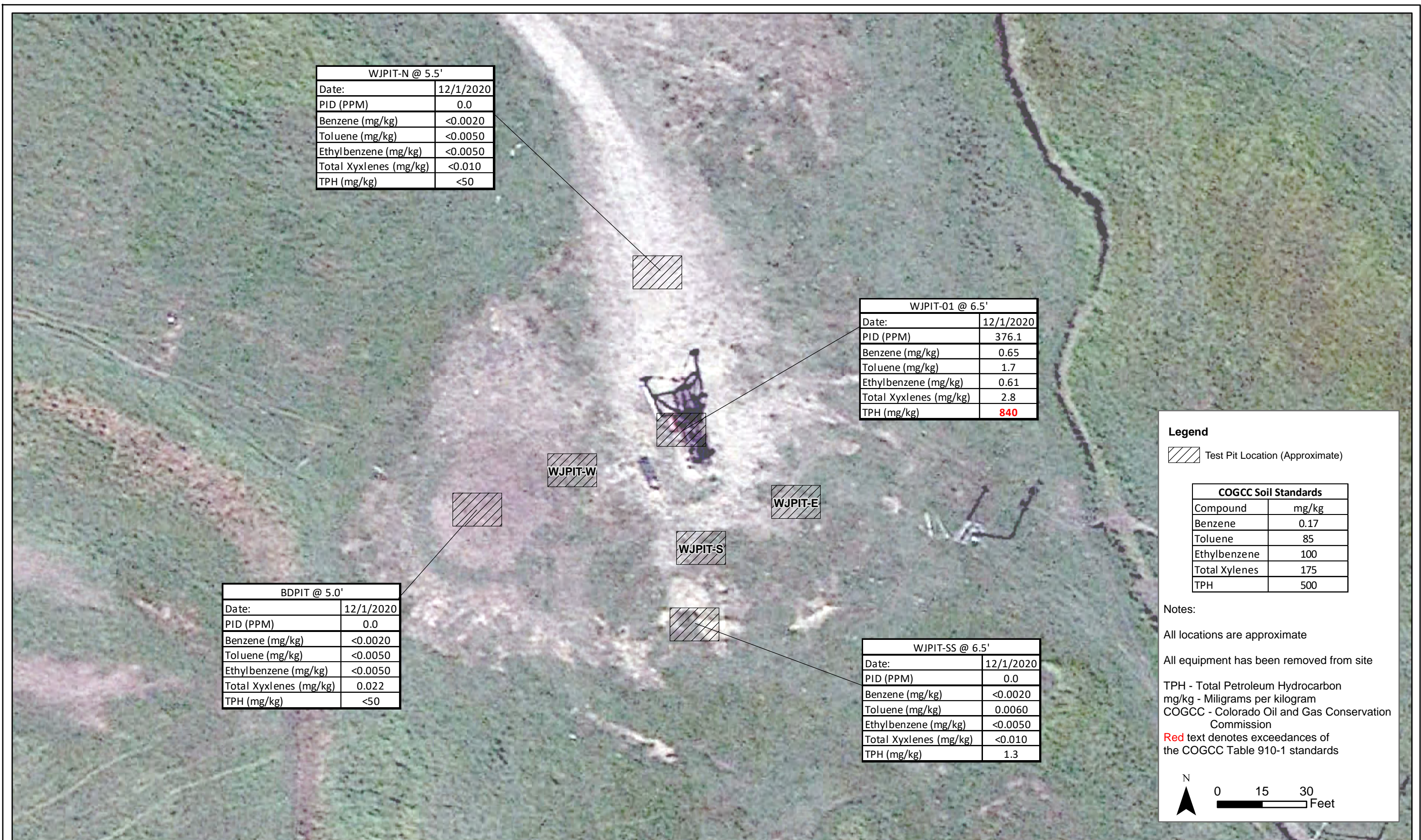
0 750 1,500 Feet

## Figure 1

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







DATE:	December 2020
DESIGNED BY:	B. Humphey
DRAWN BY:	J. Clonts

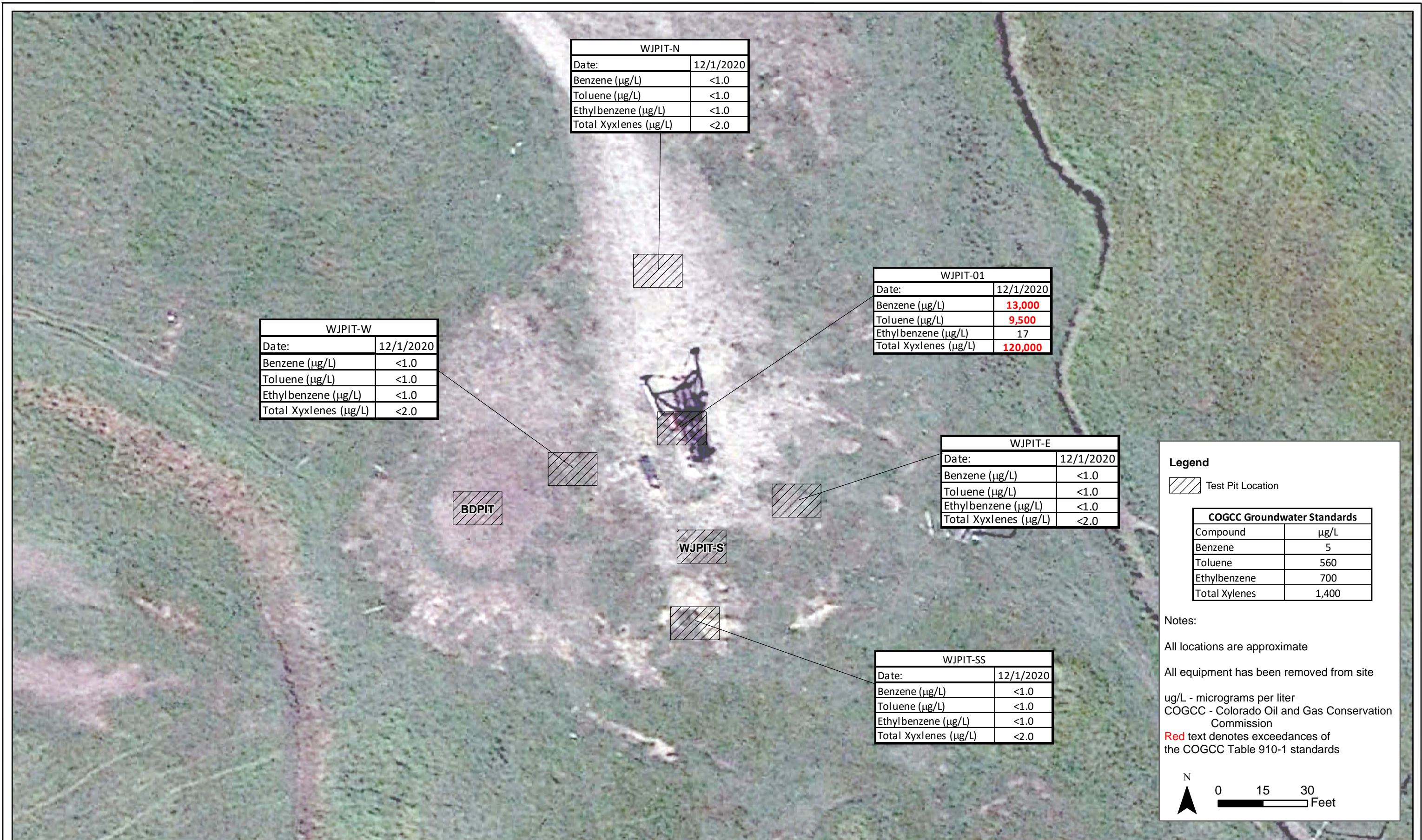


**Foundation Energy Inc.**  
**Allard 30-8-5 (North)**  
SENE, Section 30, Township 10 North, Range 79 West  
Jackson County, Colorado

Soil Analytical Results  
Map  
(December 1, 2020)

Figure  
2





DATE:	December 2020
DESIGNED BY:	B. Humphey
DRAWN BY:	J. Clonts



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

Groundwater Analytical Results  
Map  
(December 1, 2020)

Figure  
3





DATE:	December 2020
DESIGNED BY:	B. Humphey
DRAWN BY:	J. Clonts



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

Soil Analytical Results  
Map  
(December 1, 2020)

Figure  
4





DATE:	December 2020
DESIGNED BY:	B. Humphey
DRAWN BY:	J. Clonts

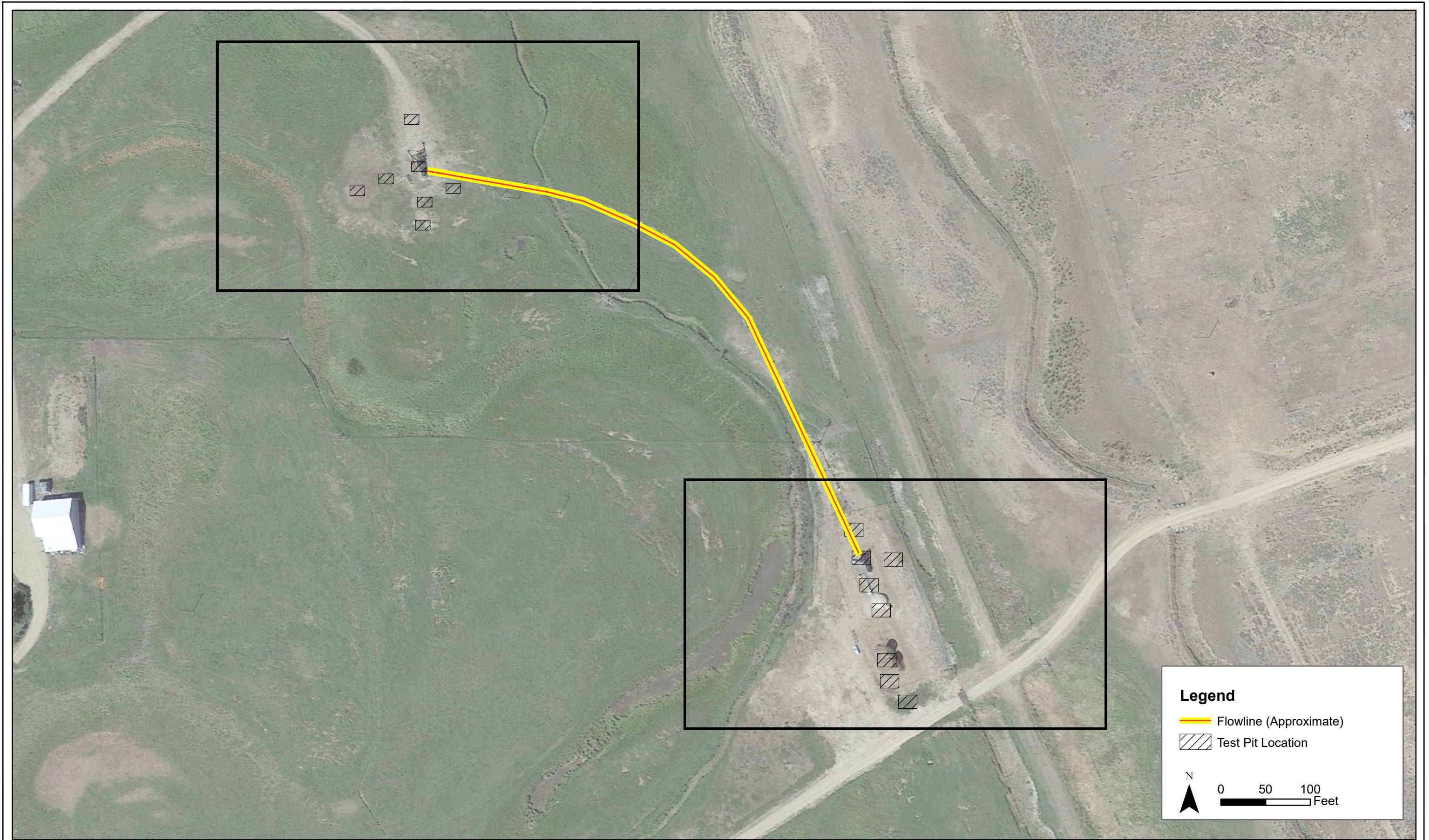


**Foundation Energy Inc.**  
**Allard 30-8-5 (South)**  
SENE, Section 30, Township 10 North, Range 79 West  
Jackson County, Colorado

Groundwater Analytical Results  
Map  
(December 1, 2020)

Figure  
5





DATE:	December 2020
DESIGNED BY:	B. Humphey
DRAWN BY:	J. Clonts

 **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

Allard North and South with  
Flow line Location

**Figure**  
**6**