



# SITE INVESTIGATION AND REMEDIATION PLAN

## Santa Fe Natural Resources Ridgeview 32-16-1 Facility – Flare Pit

**NESW, Section 16, T6N R91W**

**Moffat County, Colorado**

***Prepared for:***

**Gulfport Energy Corporation  
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***Prepared by:***

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**GUP.CO.0586.01**



**April 1, 2022**



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Joel Mason  
Senior Project Manager



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## 1 INTRODUCTION

Gulfport Energy Corporation (GPE) contracted Absaroka Energy and Environmental Solutions, LLC (AE<sub>2</sub>), to prepare a Site Investigation and Remediation Plan (Plan) for abandonment of the Ridgeview 32-16-1 flare pit. The Ridgeview well (API# 05-081-07747) and decommission of the Ridgeview Location (Facility ID# 480370) or Site, has been initiated and is currently in process.

Santa Fe Natural Resources Inc. is the current owner and operator of the facility, but GPE has elected to proceed with decommissioning. Plugging and abandonment of the well and decommissioning of the site began in 4Q2021 and notification was provided to the Colorado Oil and Gas Conservation Commission (COGCC) via Form 6 (doc# 402854784), Form 42 (doc# 402886694) and Form 27 Initial (doc# 402862526) reports and a plugging and abandonment procedure (doc# 402857096). The following equipment was removed from the location: water tank (1), oil tanks (2), vertical flare, pumping unit, and an on-location flowline(s) during from 11/6-11/2011. A separate Form 27 Investigation was submitted for the pad (doc#402977463).

The following Plan provides an overview and detailed description of the activities to be performed as part of the site investigation, as well as site background, hydrogeology, and surface and groundwater receptors. This Plan details the soil sampling to be conducted and maps and other reference materials are included.

### 1.1 Contact Information

In additional, characterization soil sampling was completed on 1/10/2022 and data is provided. Contact Information

<i>Contact</i>	<i>Person</i>	<i>Address</i>	<i>Phone No.</i>
Director of EHS & Regulatory	Jace Marshall – Gulfport Energy	3001 Quail Springs Parkway, Oklahoma City, OK 73134	405-252-4637
Environmental Contractor	Joel Mason - Absaroka Energy and Environmental Solutions, LLC	112 High Street Buffalo, WY 82834	855-684-5891

## 2 SITE DESCRIPTION AND LOCATION

The Ridgeview 32-16-1 pad is located approximately 4.30 miles south-southwest of the town of Craig, Colorado in Moffatt County (**Attachment A – Figure 1**). The pad location may be accessed from Craig by traveling south on Colorado Highway 13 St for 3.50 miles then turn left (west) onto Co Rd 107. Drive on Co Rd 107 for approximately 0.08 miles and turn left (north) on the unnamed pad access road. Drive on the access road for approximately 0.04 miles in a north-westerly direction directly on to the site.

## 2.1 Historic Land Use

The Site is in a rural setting and historic land use for the area includes dry land agriculture and grazing of pastureland by livestock. Currently, land and adjacent areas are being used for energy production including oil, gas, and coal.

## 2.2 High Priority Habitat Review

An assessment of the 309e, 1202C and 1202D High Priority Habitat (HPH) areas from the COGCC indicate the following habitats are within one mile of the surface location of the well (**Attachment B – Figures 1 - 6**).

- Aquatic Native Species Conservation Waters (0.1 miles north),
- Elk Migration Corridor (encompasses entire area),
- Elk Severe Winter Range (encompasses entire area),
- Elk Winter Concentration Area (encompasses entire area),
- Mule Deer Severe Winter Range (encompasses entire area),
- Pronghorn Winter Concentration (0.42 miles west northwest),
- Golden Eagle Nest Site (within 0.8 miles),
- Greater Sage Grouse Habitat Management Area (encompasses entire area).

## 2.3 Geology

The surface geology of the Site is composed of sedimentary formations. The sandstone and shale formations are capped by thin loess deposits. Parent material consists of alluvium and slope-alluvium derived from shale in interbedded with sandstone and siltstone.

## 2.4 Soil

Soil mapped by the Natural Resource Conservation Survey indicate the surface soil texture at the Site is the Forelle-Evanot complex (Forelle) (**Attachment F**). The Forelle series occurs at elevations of 5,300 to 7,800 feet, with a mean annual precipitation of 9-14 inches, mean annual air temperature of 39 to 45 degrees Fahrenheit, and a frost-free period of 75-110 days. The primary use is rangeland and wildlife habitat, but some areas are used as dry cropland or irrigated cropland or hay and pastureland.

## 2.5 Hydrogeology

### 2.5.1 Potential Surface Water Receptors

Surface waters are present in the area in the form of rivers, streams, wetlands, floodplains, small ponds and reservoirs (**Attachment A – Figure 2**).

The closest permanent surface water feature to the Site is John Gulch, approximately 854-feet northeast of the site, which is a fresh water emergent wetland that flows northwest into the Yampa River. The Yampa River is approximately 0.40 miles west of the site.

There is an irrigation canal approximately 735-feet west of the wellhead, across highway 13. An unnamed freshwater reservoir is located approximately 0.24 miles west from the site.

### **2.5.2 Potential Groundwater Receptors**

There are 9 water wells (**Attachment D**) indicated by the Colorado Division of Water Resources (DWR) located within one mile of the Site (**Attachment A – Figure 2**). The closest water well to the site is permit # 33422-F approximately 0.12 miles west-southwest with a documented static water level of 24-feet below ground surface (BGS). However, the Site located in uplands ~200 feet higher in elevation from the 33422-F well that is located near wetland/freshwater ponds. Groundwater is estimated to be approximately 65 feet BGS in comparison to wells in the area with similar elevations and distance to the Yampa River (i.e. permit # 1175230, ~ 1.6 miles NW) with known static water levels. All other water wells within a 1-mile buffer are greater than 0.60 miles to the north and south of the site. Encountering groundwater is not anticipated during investigation or remediation activities. If groundwater is encountered, the COGCC will be contacted immediately to establish additional investigation measures to identify and avoid any possible groundwater impacts at the Site.

## **3 METHODOLOGY**

### **3.1 Soil Sampling**

Field screening will be conducted prior to collection of soil samples. This will be accomplished with olfactory and visual observations, probing using an electrical conductivity (EC) meter, and a calibrated Photoionization Detector (PID). Soil sampling will follow industry accepted sampling procedures. Soil samples will be collected with a soil bucket auger or stainless-steel trowel. Samples will be collected from 0-6 inches in the soil profile. Deeper samples may be collected separately from deeper intervals (e.g., 6"-12", 12"-18", etc.) if hydrocarbon and/or salinity impacts are readily detected during field screening at depths greater than six (6) inches. Soil will be transferred directly into soil sample containers provided by the laboratory. Each sample will be transferred immediately to a cooler and preserved with ice for transport to the laboratory. Sampling personnel will don nitrile gloves during the sampling activities; donning new gloves between each sample location to prevent cross-contamination. Each soil sample will be analyzed in accordance with Table 915-1. The COGCC clean-up concentrations for soil are provide in Table 915-1, including provisions for comparison to naturally occurring background levels for specific parameters.

### **3.2 Groundwater Sampling**

Based on local water well data, groundwater is estimated to be over 65 feet BGS. Groundwater sampling is not anticipated to occur unless requested by the COGCC.

### 3.3 Background Reference Samples

At least one background sample will be collected for baseline comparative and reference purposes. The sample will be collected from an adjacent, upgradient or cross-gradient, unaffected area. The background sample will be analyzed for the following constituents:

- Electrical conductivity
- Sodium absorption ratio (SAR)
- pH
- Boron
- Metals
- Chloride

### 3.4 Field Screening

Field screening will be conducted during the sampling effort to aid in determining if there is any contamination at the Site and determine its extent. An EC meter and a PID will be used to field screen soil sample locations. PID thresholds will be 100 ppm. In addition, the PID readings will also be collected for background samples. The samples will be collected into a Ziploc bag and allowed to rest for approximately five (5) minutes. After five minutes, the PID sampling probe will be used to puncture the head space of the Ziploc bag and collect a PID reading.

### 3.5 Decontamination

All sampling equipment will be decontaminated between each sample by first removing any remaining soil, then washing with an Alconox solution, then rinsing with distilled water. Equipment will be allowed to air dry prior to subsequent sampling. Sampling personnel will don nitrile gloves during the sampling activities, donning new gloves between each sample location.

### 3.6 Chain of Custody

Chain of Custody (COC) protocol will follow generally accepted methods. Sample containers will be sealed and placed on ice in coolers for shipment. Prior to shipping, the COC will be signed and dated by the sampler. The COC will be sealed in a Ziploc bag and taped to the inside of the cooler lid. The cooler is sealed and taped shut for shipment. Lab personnel, upon receipt of the coolers, removes the tape, breaks the cooler seal, retrieves the COC, and then fills in the appropriate lab receipt information and signs the document. Documentation of the completed COC will be kept on record via email.

### 3.7 Documentation

Each sample location will be fully documented. At minimum, documentation includes the following items:

- Collector name
- Sample name
- Sample date/time
- Sample type (discreet, composite)
- PID reading
- EC reading (if confirmation sample)

- Coordinates
- Photographs
- Visual/olfactory observations
- Soil description
- Other notes

To assist with the documentation effort, a GPS enabled digital device, sample log forms, and sample log table will be utilized to track and record data. Sample locations will be photo documented.

## **4 QUALITY ASSURANCE / QUALITY CONTROL**

All sampling documentation will be reviewed for any errors or omissions prior to completing the field activities for each sampling location.

### **4.1 Data**

Data collected for each sample will be documented by several methods. Each sample location will be documented using a digital device equipped with a GPS receiver. In addition, each sample will be documented on a sample log form. Finally, a sampling log table will be completed as samples are collected ensuring that all the required samples and attribute data are collected and recorded. Each sample location will also be photo-documented, and a photographic log will be prepared.

Sample log forms, log tables, and GPS waypoint data will be cross-checked daily to ensure accurate data.

### **4.2 Cross-contamination**

To eliminate the possibility of cross-contamination of samples during the sampling activities, all sampling equipment will be decontaminated between each sample location. The decontamination procedures are discussed above in Section 3. In addition, sampling personnel will don new nitrile gloves for each sample to be collected.

## **5 SAMPLING DEVIATIONS**

Additional sampling containers will be available if additional sampling is warranted. Conditions that may warrant additional sampling include discovery of potentially contaminated soil areas, discovery of contamination at depths greater than anticipated, or discovery of significant differences in soil type/texture in areas across the site. Although not anticipated to be necessary, sampling containers for water samples will be available for collecting groundwater, if encountered.

## **6 IMPLEMENTATION AND REPORTING SCHEDULE**

The site investigation will begin as soon as this plan has been approved by the COGCC and is feasible do to potential weather delays.



A supplemental report with the results from this Plan will be submitted as soon as possible after activities have concluded. If determined necessary based on the Plan results, a remediation design will be developed and implemented to address any further confirmed contamination.

## 7 POTENTIAL REMEDIATION ACTIVITIES

Remediation activities for substantial impacts, if required, will likely involve excavation of impaired soils for transport to an approved disposal facility. Following excavation and removal of any impaired soils, confirmation sampling will be conducted to confirm successful remediation. Excavated areas will then be backfilled with clean soil as necessary and seeding of the remediated area to re-establish a proper seedbed will be conducted.

Remediation activities for minor impacts may include *in situ* treatment methods to reduce contaminants of concern below regulatory limits and to foster successful reclamation. *In situ* treatment may include scarification of the soil and addition of amendments to breakdown hydrocarbons or modify soil geochemistry to mitigate brine-related impacts which result in increased EC and SAR. Amendments may include manure, straw, specialty hydrocarbon remediation products (e.g., MicroBlaze, DualZorb, etc.), gypsum, or fertilizers. Application rates would be based on need to treat the affected area. Following *in situ* treatment (usually at least 6 months), confirmation sampling will be conducted to confirm successful remediation. The results of any remediation activities will be summarized in a report along with confirmation soil sample data and submitted to the COGCC.

## 8 INITIAL FIELD INVESTIGATION ACTIVITIES

### 8.1 Characterization Sampling

On January 10, 2022, one soil sample was field screened and collected from approximately six inches BGS at the former flare pit location to identify impacted soil on the Site. Other soil samples were collected from the site to evaluate site conditions concerning plugging and abandonment activities as stated in Section 1 of this document.

### 8.2 Results

Sample ID	Latitude / Longitude	PID (ppm)	Soil Texture	Notes
R_P_01 @ 6"	40.475607/ -107.610538	31.7	clay	Flare Pit

All soil samples will be evaluated utilizing the Protection of Groundwater Screening Level Concentrations (GSLC) as requested by COGCC. The flare pit soil sample exceeded acceptable concentrations for some COGCC Table 915-1 constituents of concern. A summary of analytical results is provided in **Attachment C – Table 1**.

A copy of the laboratory analytical reports and chain of custody documentation is included in **Attachment D**. In consideration that groundwater is expected to be greater than 20 feet BGS, GPE request that Residential Soil Screening Level Concentrations (RSSLC) be used to evaluate potential impacts.

### **8.3 Planned Excavation and Soil Sampling**

Based on the initial sampling analytical data and exceedances for multiple Table 915-1 constituents, GPE proposes to excavate further in the former flare pit location. Soil will be screened and potentially excavated and/or sampled below the former flare pit. After necessary excavations are completed, samples will be collected in the bottom and sides to confirm all impacted soils are absent. Samples will be analyzed for COGCC Table 915-1 analytes.

Background sample(s) will be collected for baseline comparison and reference purposes. The sample(s) will be collected from an adjacent, upgradient or cross-gradient, nearby non-impacted native soil (approximate location identified on **Figure 4 - Attachment A**).

Excavated material will be disposed of and hauled offsite to the federally approved waste disposal facility, Moffatt County Landfill located at 1806 C Rd 107, Craig, CO 81625. A waste profile has been established with the landfill for transporting materials from the Site.





## ATTACHMENTS

## Attachment A – Site Maps

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### Map Key

-  Project Location
-  State Highway
-  Township Boundaries
-  Section Boundaries



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Santa Fe Natural Resources, Inc.  
Ridgeview 32-16-1 Tank Battery  
Project Location Map  
*Moffat County, State of Colorado*

0 0.05 0.1 0.2 0.3 0.4 Miles

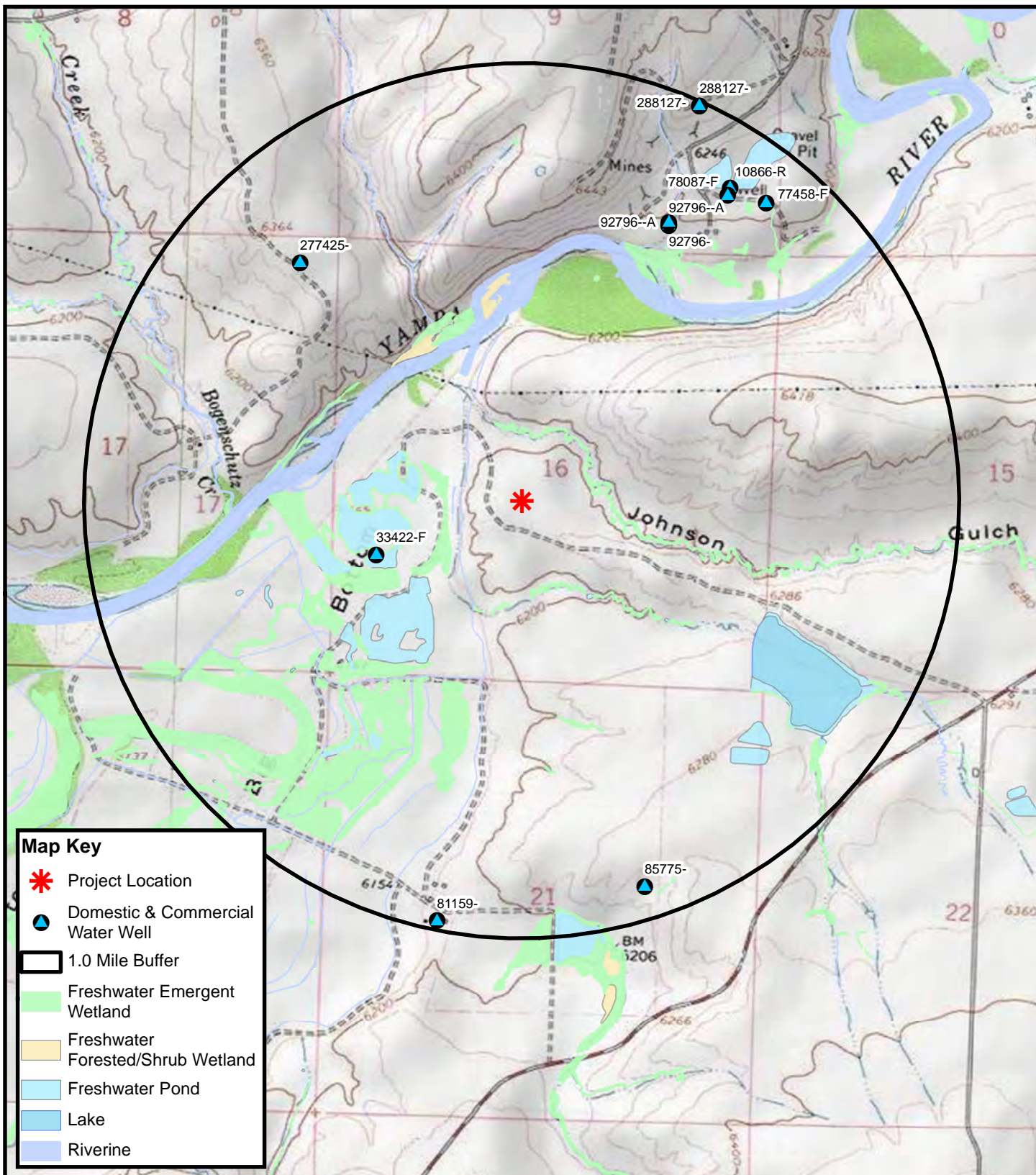
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Scale: 1:10,000

Date: 2/21/2022





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**Santa Fe Natural Resources, Inc.**  
**Ridgeview 32-16-1 Tank Battery**  
**Sensitive Receptors Map**

*Moffat County, State of Colorado*

0 0.1 0.2 0.4 0.6 0.8 Miles

Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:20,000

Date: 2/21/2022





### Map Key

- Wellhead
- State Highway
- Above Ground Storage Tank
- Vertical Separator
- Berm Containment
- Pit Area

Ridgeview  
32-16-1

State Hwy 13



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### Santa Fe Natural Resources, Inc. Ridgeview 32-16-1 Tank Battery Site Map

*Moffat County, State of Colorado*

0 20 40 80 120 160 Feet  
Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:700

Date: 2/21/2022



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Santa Fe Natural Resources, Inc.  
Ridgeview 32-16-1 Tank Battery  
Soil Sample Map  
January 10, 2022  
Moffat County, State of Colorado

0 20 40 80 120 160 Feet  
Coordinate System: WGS 1984 UTM Zone 13N











Scale: 1:700

Date: 3/22/2022





### Map Key

-  Wellhead
-  Background Sample
-  Flowline
-  State Highway
-  Above Ground Storage Tank
-  Vertical Separator
-  Berm Containment
-  Pit



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### Santa Fe Natural Resources, Inc.

Ridgeview 32-16-1 Tank Battery

Background Soil Sample Map

Moffat County, State of Colorado

0 30 60 120 180 240 Feet

Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:900

Date: 2/16/2022

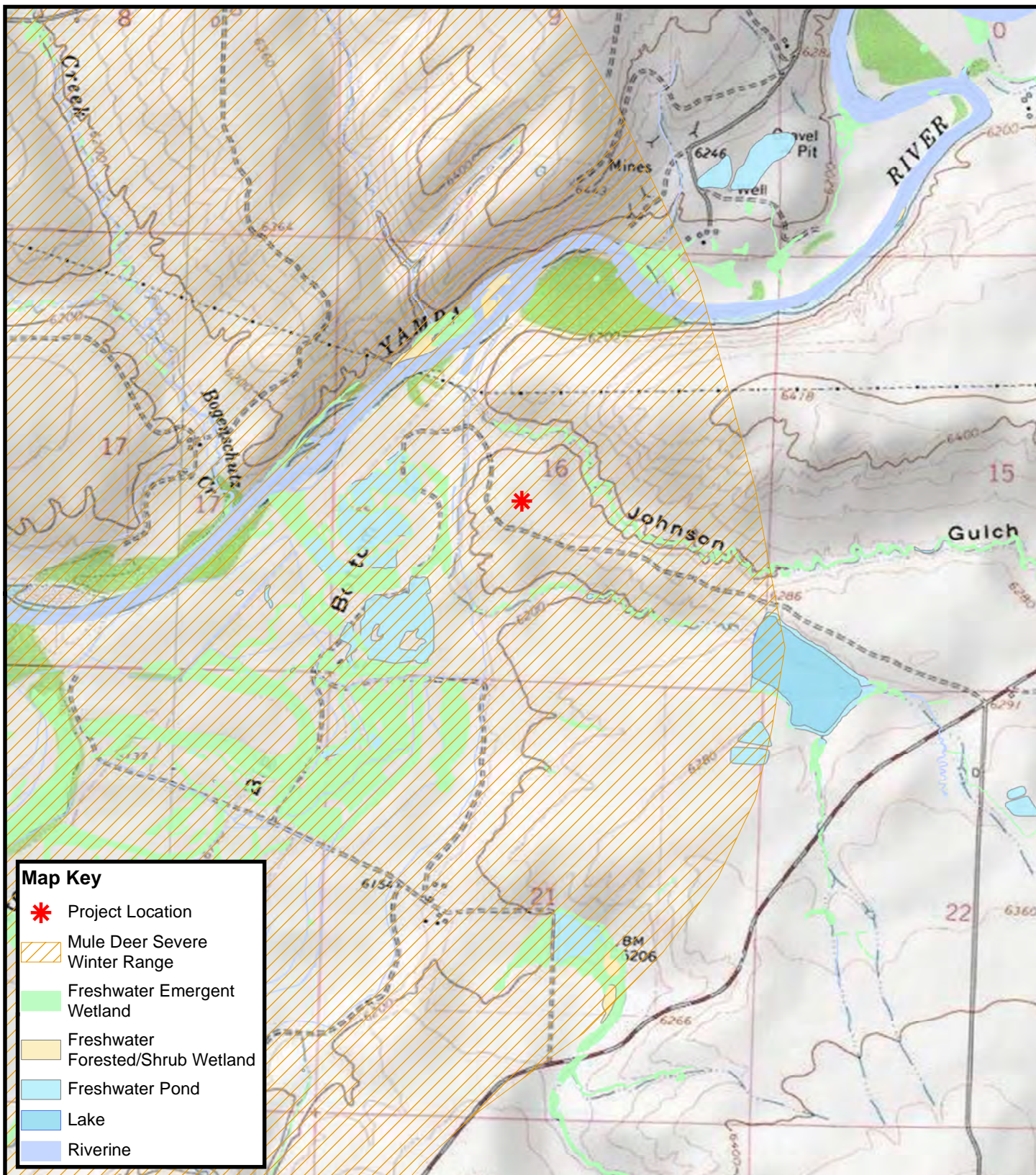
## Attachment B – Habitat Maps

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## Attachment B – Habitat Maps

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Santa Fe Natural Resources, Inc.  
Ridgeview 32-16-1 Tank Battery  
High Priority Habitat Map  
Mule Deer Severe Winter Area  
Moffat County, State of Colorado

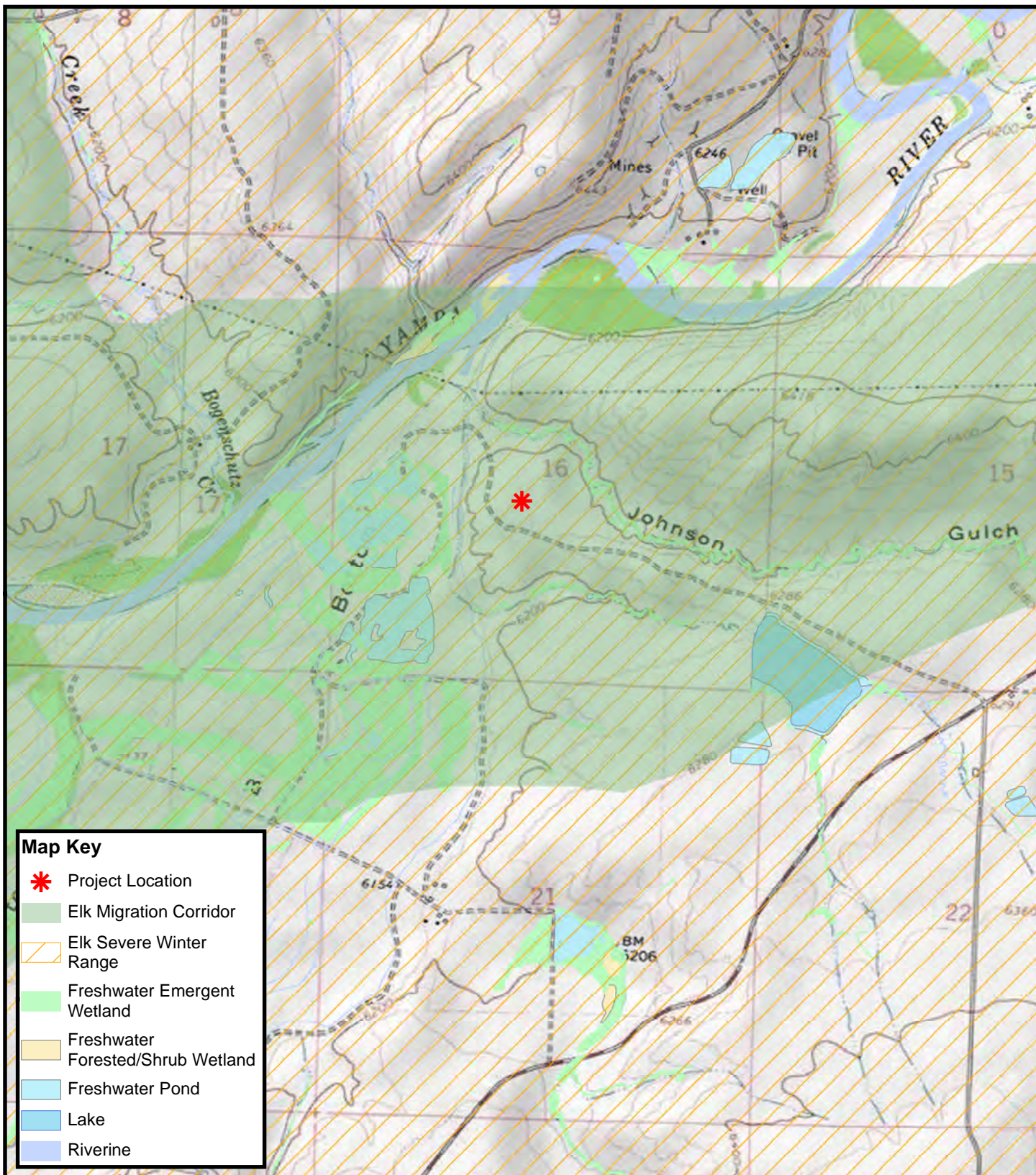
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Scale: 1:20,000

Date: 2/21/2022





### Map Key

- Project Location
- Elk Migration Corridor
- Elk Severe Winter Range
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine



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Santa Fe Natural Resources, Inc.  
Ridgeview 32-16-1 Tank Battery  
High Priority Habitat Map  
Elk Habitat Areas  
Moffat County, State of Colorado

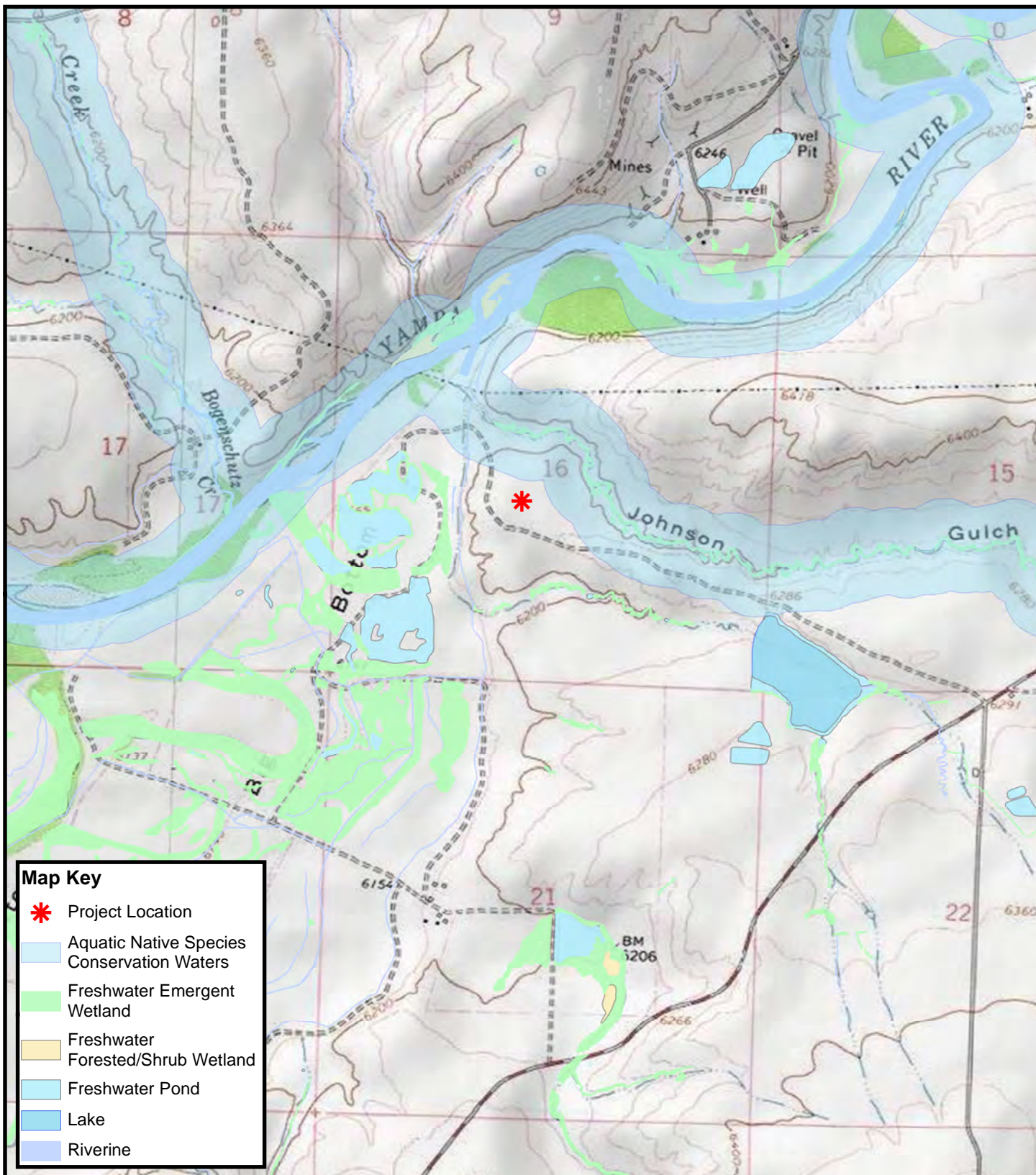
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Scale: 1:20,000

Date: 2/21/2022





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Santa Fe Natural Resources, Inc.  
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High Priority Habitat Map  
Aquatic Species Areas  
Moffat County, State of Colorado

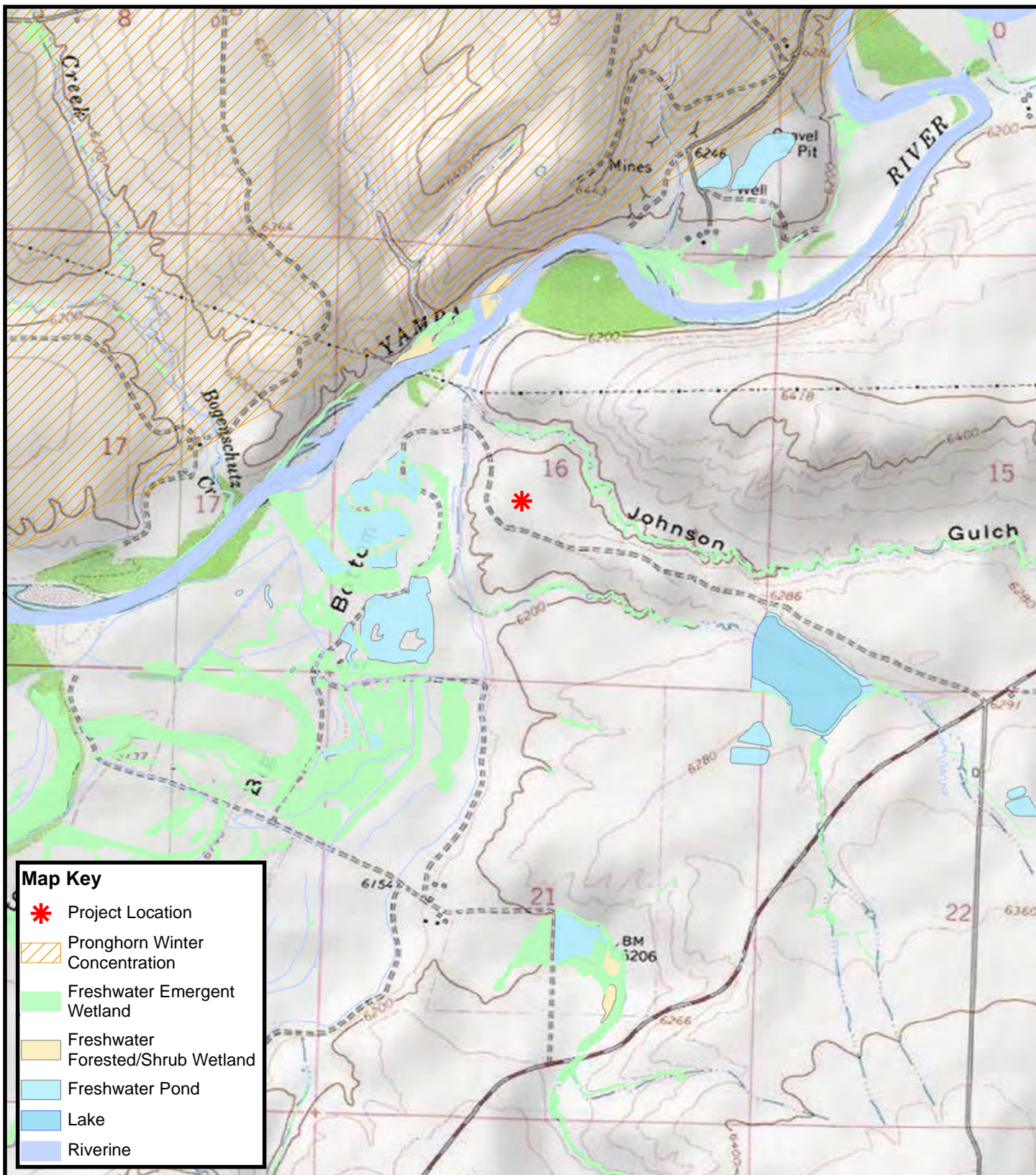
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Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:20,000

Date: 2/21/2022





  
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Santa Fe Natural Resources, Inc.  
 Ridgeview 32-16-1 Tank Battery  
 High Priority Habitat Map  
 Pronghorn Winter Area  
 Moffat County, State of Colorado

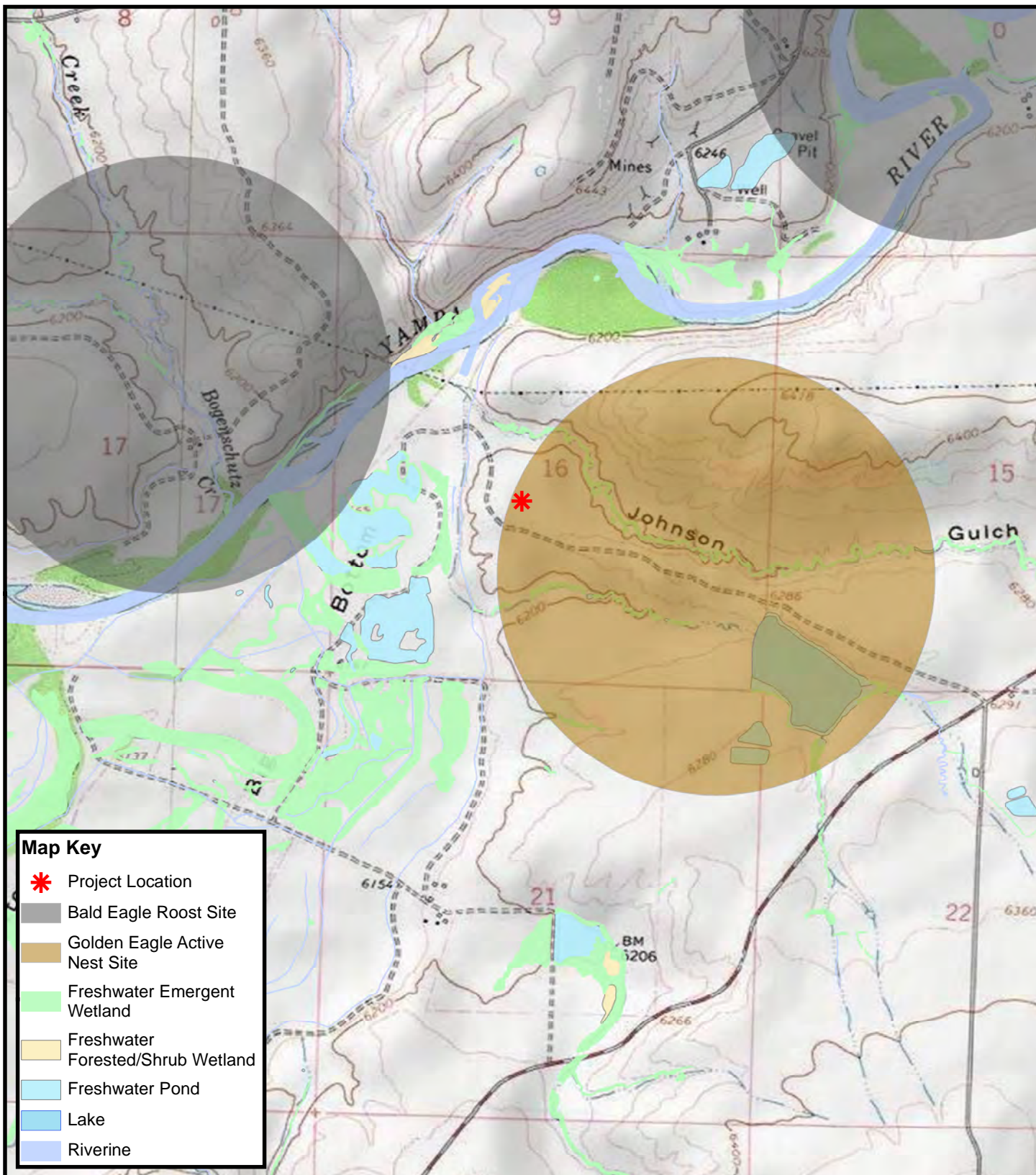
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 Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:20,000

Date: 2/21/2022





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Santa Fe Natural Resources, Inc.  
Ridgeview 32-16-1 Tank Battery  
High Priority Habitat Map  
Raptor Sites

Moffat County, State of Colorado

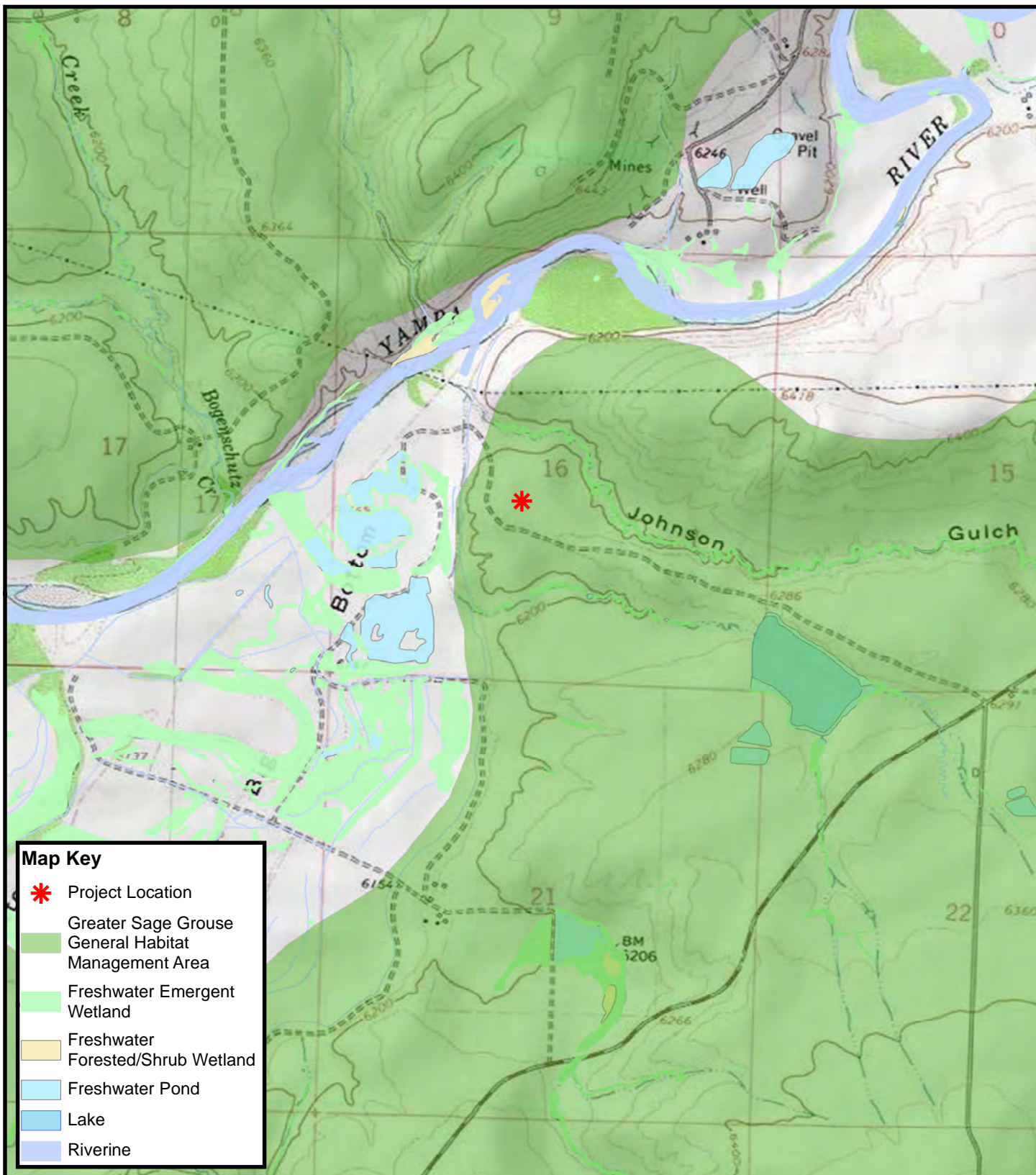
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Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:20,000

Date: 2/21/2022





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Santa Fe Natural Resources, Inc.  
Ridgeview 32-16-1 Tank Battery  
High Priority Habitat Map  
Greater Sage Grouse Habitat Area  
Moffat County, State of Colorado

0 0.1 0.2 0.4 0.6 0.8 Miles

Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:20,000

Date: 2/21/2022

Attachment C – Analytical Summary

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TABLE 1. SUMMARY OF ANALYTICAL RESULTS

Table 915-1			Gulfport Energy - Ridgeview 32-16-1 Soil Sampling Analytical Summary Characterization Samples
Contaminant of Concern	Concentrations		Flare Pit
		Sample ID	R_P_01 @ 6"
		Depth - BGS (Inches)	6
Organic Compounds in Soil		GSSL	
TPH (Gasoline Range Organics)	500	mg/kg	1470
TPH (Diesel Range Organics)		mg/kg	420
TPH (Oil Range Organics)		mg/kg	111
Total Petroleum Hydrocarbons (GRO+DRO+ORO)		mg/kg	2001
Benzene	0.0026	mg/kg	ND
Toluene	0.69	mg/kg	ND
Ethylbenzene	0.78	mg/kg	0.277
Xylenes (total)	9.9	mg/kg	3.89
1,2,4-Trimethylbenzene	0.0081	mg/kg	8.24
1,3,5-Trimethylbenzene	0.0087	mg/kg	6.84
Acenaphthene	0.55	mg/kg	0.0558
Anthracene	5.8	mg/kg	0.0164
Benzo(a)anthracene	0.011	mg/kg	0.0318
Benzo(b)fluoranthene	0.3	mg/kg	0.0353
Benzo(k)fluoranthene	2.9	mg/kg	ND
Benzo(a)pyrene	0.24	mg/kg	0.0213
Chrysene	9	mg/kg	0.373
Dibenzo(a,h)anthracene	0.096	mg/kg	ND
Fluoranthene	8.9	mg/kg	0.0214
Fluorene	0.54	mg/kg	0.138
Indeno(1,2,3-cd)pyrene	0.98	mg/kg	ND
1-Methylnaphthalene	0.006	mg/kg	0.512
2-Methylnaphthalene	0.019	mg/kg	0.186
Naphthalene	0.00054	mg/kg	0.098
Pyrene	1.3	mg/kg	0.886
Soil Suitability for Reclamation			
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	0.325
Sodium Adsorption Ratio (SAR)	< 6	ratio	0.524
pH	6.0-8.3	su	7.52
Boron (Hot Water Soluble)	2	mg/l	ND
Metals in Soils		GSSL	
Arsenic	0.29	mg/kg	2.76
Barium	82	mg/kg	129
Cadmium	0.38	mg/kg	0.155
Chromium (Hexavalent)	0.00067	mg/kg	ND
Copper	46	mg/kg	9.24
Lead	14	mg/kg	8.38
Nickel	2.6	mg/kg	11.2
Selenium	0.26	mg/kg	0.334
Silver	0.08	mg/kg	0.0383
Zinc	37	mg/kg	40.2

GSSL = Groundwater Soil Screening Levels

ND - Non-detect - Analytical result is less than the reporting limit

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

\*Concentrations in red font exceed Table 915-1 standards

NA - Not Analyzed

BGS - Below Ground Surface

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO/ORO)

SAR - Sodium Adsorption Ratio

Attachment D – Analytical Report

---

February 03, 2022

Absaroka

Joel Mason

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82834

**Project Name - Ridgeview 32-16-1**

**Project Number - GPE.CO.0586.02**

Attached are your analytical results for Ridgeview 32-16-1 received by Origins Laboratory, Inc. January 11, 2022. This project is associated with Origins project number Y201151-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



Absaroka  
112 High St.  
Buffalo

WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
R_P_01@6"	Y201151-01	Soil	January 10, 2022 12:55	01/11/2022 12:15
R_SP_01@6"	Y201151-02	Soil	January 10, 2022 13:10	01/11/2022 12:15
R_SP_02@6"	Y201151-03	Soil	January 10, 2022 13:20	01/11/2022 12:15
R_S_01@6"	Y201151-04	Soil	January 10, 2022 13:25	01/11/2022 12:15
R_S_02@6"	Y201151-05	Soil	January 10, 2022 13:30	01/11/2022 12:15
Flash Point/Paint Filter Composite	Y201151-06	Soil	January 10, 2022 12:55	01/11/2022 12:15

Per the phone call from Joel on 01/27/22, all samples will be composited and run for flashpoint and paint filter. JEP

Origins Laboratory, Inc.



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112 High St.  
Buffalo

WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

# ORIGINS

LABORATORY, INC

www.originslaboratory.com



Y201151

page 1 of 2

Client: Absaroka  
Address: 112 High St. Buffalo, WY 82834  
Telephone Number: 307-262-8975  
Email Address: Joel.Mason@absarokasolutions.com

Project Manager: Joel Mason  
Project Name: Ridgeview 32-16-1  
Project Number: GPE.CO.0586.02  
Samples Collected By: Jordan Fleming

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #			Other
R-P-01 @ 6"	1/10/22	1255	2 X						X			q15 analysis	1
R-SP-01 @ 6"	1/10/22	1310	2 X						X			q15 analysis	2
R-SP-02 @ 6"	1/10/22	1320	2 X						X			q15 analysis	3
R-S-01 @ 6"	1/10/22	1325	2 X						X			q15 analysis	4
R-S-02 @ 6"	1/10/22	1330	2 X						X			q15 analysis	5
													6
													7
													8
													9
													10
Relinquished By: 	Date: 1/10/22	Time: 1600							Received By: 	Date: 1/11/22	Time: 1215	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>	
Relinquished By:	Date:	Time:							Received By:	Date:	Time:		

Date Results Needed

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo

WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

Origins Laboratory F-012207-01-R1  
Effective Date: 01/09/12

**Sample Receipt Checklist**

Origins Work Order: 4201151 Client: Absaroka  
Client Project ID: Ridgeview

Checklist Completed by: JG Shipped Via: HD  
Date/time completed: 1/11/22 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 115.1 °C 1 °C 1 °C (Describe) \_\_\_\_\_ °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) 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 with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<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 date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Joel Mason

Date/Time Reviewed 1/12/22

Origins Laboratory, Inc.

*Jordan A. Merrill*

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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R P 01@6"

1/10/2022 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.199	mg/L	1	B2A1206	01/12/2022	01/13/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	420	25.0	mg/kg	1	B2A1215	01/12/2022	01/13/2022
Residual Range Organics (C28-C40)	111	100	"	"	"	"	"

Surrogate: o-Terphenyl	113 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	8.24	0.100	mg/kg	50	B2A1323	01/13/2022	01/18/2022
1,3,5-Trimethylbenzene	6.84	0.100	"	"	"	"	"
Benzene	ND	0.00200	"	1	"	"	01/18/2022 U
Ethylbenzene	0.277	0.100	"	50	"	"	01/18/2022
Toluene	ND	0.00200	"	1	"	"	01/18/2022 U
Xylenes, total	3.89	0.100	"	50	"	"	01/18/2022
Gasoline Range Hydrocarbons	1470	200	"	1000	"	"	01/18/2022

Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130	"	"	01/18/2022
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	162 %	70-130	"	"	"

Origins Laboratory, Inc.



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Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R P 01@6"

1/10/2022 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-01 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	2.77	0.499	meq/L	10	[CALC]	01/12/2022	01/13/2022
Magnesium	2.96	0.823	"	"	"	"	"
Sodium	0.887	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	0.512	0.00728	0.0134	mg/Kg	20	L594275	01/13/2022	01/14/2022
2-Methylnaphthalene	0.186	0.0129	0.0134	"	"	"	"	"
Acenaphthene	0.0558	0.00608	0.0134	"	"	"	"	"
Anthracene	0.0164	0.00668	0.0134	"	"	"	"	"
Benzo(a)anthracene	0.0318	0.00986	0.0134	"	"	"	"	"
Benzo(a)pyrene	0.0213	0.00936	0.0134	"	"	"	"	"
Benzo(b)fluoranthene	0.0353	0.0117	0.0134	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00874	0.0134	"	"	"	"	"
Chrysene	0.373	0.0125	0.0134	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.0123	0.0134	"	"	"	"	"
Fluoranthene	0.0214	0.00788	0.0134	"	"	"	"	"
Fluorene	0.138	0.00572	0.0134	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.0125	0.0134	"	"	"	"	"
Naphthalene	0.098	0.00968	0.0134	"	"	"	"	"
Pyrene	0.0886	0.0129	0.0134	"	"	"	"	"

Origins Laboratory, Inc.



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Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R P 01@6"

1/10/2022 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-01 (Soil)

**PAH by 8270D SIM**

Surrogate: 2-Fluorobiphenyl	72 %	33-115	L594275	01/13/2022	01/14/2022
Surrogate: 4-Terphenyl-d14	70.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	91.9 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.52	pH Units	1	B2A1219	01/12/2022	01/13/2022
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**SAR by 20B Saturated Paste**

SAR	0.524	SAR	1	B2A1209	01/12/2022	01/13/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.325	0.00500	mmhos/cm	1	B2A1213	01/12/2022	01/13/2022
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**Total Metals by 6020B**

Arsenic	2.76	0.0855	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022
Barium	129	0.042	0.25	"	"	"	"	"
Cadmium	0.155	0.0259	0.25	"	"	"	"	"
Copper	9.24	0.0806	0.25	"	"	"	"	"
Lead	8.38	0.031	0.25	"	"	"	"	"
Nickel	11.2	0.0633	0.25	"	"	"	"	"
Selenium	0.334	0.103	0.25	"	"	"	"	"

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Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R P 01@6"

1/10/2022 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y201151-01 (Soil)**

**Total Metals by 6020B**

Silver	0.0383	0.0067	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022	J
Zinc	40.2	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.248	0.509	mg/Kg	1	L595088	01/10/2022	01/19/2022	
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Origins Laboratory, Inc.

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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 01@6"  
1/10/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.196	mg/L	1	B2A1206	01/12/2022	01/13/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2A1215	01/12/2022	01/13/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.5 %	50-150	"	"	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2A1323	01/13/2022	01/14/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"	"	"
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112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 01@6"  
1/10/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-02 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	96.3 %	70-130	B2A13 23	01/13/2022	01/14/2022
Surrogate: 4-Bromofluorobenzene	106 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	0.788	0.499	meq/L	10	[CALC]	01/12/2022	01/13/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	4.53	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0056	0.000364	0.00067	mg/Kg	1	L594275	01/13/2022	01/14/2022
2-Methylnaphthalene	0.0043	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00357	0.000304	0.00067	"	"	"	"	"
Anthracene	0.000788	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00105	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.000654	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00575	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00109	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0115	0.000286	0.00067	"	"	"	"	"

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112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 01@6"  
1/10/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-02 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L594275	01/13/2022	01/14/2022
Naphthalene	0.000896	0.000484	0.00067	"	"	"	"	"
Pyrene	0.00733	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	49.4 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	66.8 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	56.4 %		29-110			"	"	"

**pH in Soil by 9045D**

pH	8.20			pH Units	1	B2A1219	01/12/2022	01/13/2022
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**SAR by 20B Saturated Paste**

SAR	6.23			SAR	1	B2A1209	01/12/2022	01/13/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.526		0.00500	mmhos/cm	1	B2A1213	01/12/2022	01/13/2022
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**Total Metals by 6020B**

Arsenic	1.66	0.0855	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022
Barium	266	0.042	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 01@6"  
1/10/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-02 (Soil)

**Total Metals by 6020B**

Cadmium	0.193	0.0259	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022	J
Copper	8.91	0.0806	0.25	"	"	"	"	"	
Lead	6.77	0.031	0.25	"	"	"	"	"	
Nickel	8.68	0.0633	0.25	"	"	"	"	"	
Selenium	0.237	0.103	0.25	"	"	"	"	"	J
Silver	0.0422	0.0067	0.25	"	"	"	"	"	J
Zinc	80	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.502	mg/Kg	1	L595088	01/10/2022	01/19/2022	
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Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 02@6"  
1/10/2022 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.197	mg/L	1	B2A1206	01/12/2022	01/13/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	53.2	25.0	mg/kg	1	B2A1215	01/12/2022	01/13/2022	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	116 %	50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00250	0.00200	mg/kg	1	B2A1323	01/13/2022	01/14/2022	
1,3,5-Trimethylbenzene	0.0175	0.00200	"	"	"	"	"	
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.0304	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	6.68	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.0 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 02@6"  
1/10/2022 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-03 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	106 %	70-130	B2A13 23	01/13/2022	01/14/2022
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.76	0.499	meq/L	10	[CALC]	01/12/2022	01/13/2022
Magnesium	0.922	0.823	"	"	"	"	"
Sodium	1.68	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	1.55	0.00728	0.0134	mg/Kg	20	L594275	01/13/2022	01/14/2022
2-Methylnaphthalene	0.76	0.0129	0.0134	"	"	"	"	"
Acenaphthene	0.0994	0.00608	0.0134	"	"	"	"	"
Anthracene	0.0274	0.00668	0.0134	"	"	"	"	"
Benzo(a)anthracene	ND	0.00986	0.0134	"	"	"	"	"
Benzo(a)pyrene	0.0252	0.00936	0.0134	"	"	"	"	"
Benzo(b)fluoranthene	0.0216	0.0117	0.0134	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00874	0.0134	"	"	"	"	"
Chrysene	0.186	0.0125	0.0134	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.0123	0.0134	"	"	"	"	"
Fluoranthene	0.0201	0.00788	0.0134	"	"	"	"	"
Fluorene	0.467	0.00572	0.0134	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.0125	0.0134	"	"	"	"	"

Origins Laboratory, Inc.

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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 02@6"  
1/10/2022 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y201151-03 (Soil)**

**PAH by 8270D SIM**

Naphthalene	0.113	0.00968	0.0134	mg/Kg	20	L594275	01/13/2022	01/14/2022
Pyrene	0.0889	0.0129	0.0134	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	65.3 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	77.2 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	67.5 %		29-110			"	"	"

**pH in Soil by 9045D**

pH	7.68			pH Units	1	B2A1219	01/12/2022	01/13/2022
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**SAR by 20B Saturated Paste**

SAR	1.45			SAR	1	B2A1209	01/12/2022	01/13/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.513		0.00500	mmhos/cm	1	B2A1213	01/12/2022	01/13/2022
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**Total Metals by 6020B**

Arsenic	2.56	0.0855	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022
Barium	124	0.042	0.25	"	"	"	"	"
Cadmium	0.155	0.0259	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo

WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R SP 02@6"

1/10/2022 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-03 (Soil)

**Total Metals by 6020B**

Copper	9.51	0.0806	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022	
Lead	8.02	0.031	0.25	"	"	"	"	"	
Nickel	11.7	0.0633	0.25	"	"	"	"	"	
Selenium	0.234	0.103	0.25	"	"	"	"	"	J
Silver	0.0435	0.0067	0.25	"	"	"	"	"	J
Zinc	39.2	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.507	1.04	mg/Kg	2	L595088	01/10/2022	01/19/2022	
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Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 01@6"  
1/10/2022 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.201	mg/L	1	B2A1206	01/12/2022	01/13/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	111	25.0	mg/kg	1	B2A1215	01/12/2022	01/13/2022
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	U

Surrogate: o-Terphenyl	115 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00214	0.00200	mg/kg	1	B2A1323	01/13/2022	01/14/2022
1,3,5-Trimethylbenzene	0.00218	0.00200	"	"	"	"	"
Benzene	ND	0.00200	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	U
Gasoline Range Hydrocarbons	1.35	0.200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"
Surrogate: Toluene-d8	95.5 %	70-130	"	"	"

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 01@6"  
1/10/2022 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-04 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	101 %	70-130	B2A13 23	01/13/2022	01/14/2022
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.33	0.499	meq/L	10	[CALC]	01/12/2022	01/13/2022
Magnesium	0.856	0.823	"	"	"	"	"
Sodium	0.979	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	0.151	0.000364	0.00067	mg/Kg	1	L594275	01/13/2022	01/14/2022
2-Methylnaphthalene	0.0328	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.0072	0.000304	0.00067	"	"	"	"	"
Anthracene	0.0012	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00324	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00257	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00164	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00179	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0167	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.000626	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00277	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0571	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00952	0.000484	0.00067	"	"	"	"	"

Origins Laboratory, Inc.

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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 01@6"  
1/10/2022 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-04 (Soil)

**PAH by 8270D SIM**

Pyrene	0.00939	0.000643	0.00067	mg/Kg	1	L594275	01/13/2022	01/14/2022
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Surrogate: 2-Fluorobiphenyl	62.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	63.8 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.76	pH Units	1	B2A1219	01/12/2022	01/13/2022
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**SAR by 20B Saturated Paste**

SAR	0.936	SAR	1	B2A1209	01/12/2022	01/13/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.381	0.00500	mmhos/cm	1	B2A1213	01/12/2022	01/13/2022
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**Total Metals by 6020B**

Arsenic	2.62	0.0855	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022
Barium	104	0.042	0.25	"	"	"	"	"
Cadmium	0.159	0.0259	0.25	"	"	"	"	"
Copper	6.62	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 01@6"  
1/10/2022 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-04 (Soil)

**Total Metals by 6020B**

Lead	5.81	0.031	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022	
Nickel	9.45	0.0633	0.25	"	"	"	"	"	
Selenium	0.277	0.103	0.25	"	"	"	"	"	
Silver	0.039	0.0067	0.25	"	"	"	"	"	J
Zinc	26.7	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L595088	01/10/2022	01/19/2022	
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Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 02@6"  
1/10/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.198	mg/L	1	B2A1206	01/12/2022	01/13/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	2880	25.0	mg/kg	1	B2A1215	01/12/2022	01/13/2022
Residual Range Organics (C28-C40)	803	100	"	"	"	"	"

Surrogate: o-Terphenyl	175 %	50-150	"	"	"	S-04
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.206	0.00200	mg/kg	1	B2A1323	01/13/2022	01/18/2022
1,3,5-Trimethylbenzene	0.311	0.00200	"	"	"	"	"
Benzene	ND	0.00200	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	U
Xylenes, total	0.0176	0.00200	"	"	"	"	"
Gasoline Range Hydrocarbons	2690	200	"	1000	"	"	01/18/2022

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130	"	"	01/18/2022
Surrogate: Toluene-d8	109 %	70-130	"	"	"

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 02@6"  
1/10/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y201151-05 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	364 %	70-130	B2A13 23	01/13/2022	01/18/2022
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.18	0.499	meq/L	10	[CALC]	01/12/2022	01/13/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00443	0.000364	0.00067	mg/Kg	1	L594275	01/13/2022	01/14/2022	
2-Methylnaphthalene	0.0236	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.00044	0.000304	0.00067	"	"	"	"	"	J
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00131	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00277	0.000286	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.

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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 02@6"  
1/10/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-05 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L594275	01/13/2022	01/14/2022
Naphthalene	0.00671	0.000484	0.00067	"	"	"	"	"
Pyrene	0.000778	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.3 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	71.9 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	60.9 %		29-110			"	"	"

**pH in Soil by 9045D**

pH	7.23			pH Units	1	B2A1219	01/12/2022	01/13/2022
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**SAR by 20B Saturated Paste**

SAR	0.451			SAR	1	B2A1209	01/12/2022	01/13/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.240		0.00500	mmhos/cm	1	B2A1213	01/12/2022	01/13/2022
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**Total Metals by 6020B**

Arsenic	2.68	0.0855	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022
Barium	87.4	0.042	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

R S 02@6"  
1/10/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y201151-05 (Soil)

**Total Metals by 6020B**

Cadmium	0.126	0.0259	0.25	mg/Kg	5	L594296	01/12/2022	01/14/2022	J
Copper	7.95	0.0806	0.25	"	"	"	"	"	
Lead	6.87	0.031	0.25	"	"	"	"	"	
Nickel	10.4	0.0633	0.25	"	"	"	"	"	
Selenium	0.183	0.103	0.25	"	"	"	"	"	J
Silver	0.0673	0.0067	0.25	"	"	"	"	"	J
Zinc	31.4	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L595088	01/10/2022	01/19/2022	
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Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

## ash Point/Paint Filter Composi

1/10/2022 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Waypoint Analytical, LLC.

Y201151-06 (Soil)

### Flash Point by ASTM D93-80

Flash Point	>204	32	32	degrees F	1	L597348	01/10/2022	02/01/2022
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### Paint Filter Test by SW-9095B

Paint Filter Test	Pass				1	L597059	"	01/31/2022
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Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2A1215 - EPA 3550B</b>										
<b>Blank (B2A1215-BLK1)</b>					Prepared: 01/12/2022 Analyzed: 01/12/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		93.9	50-150			

Origins Laboratory, Inc.



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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2A1215 - EPA 3550B**

**LCS (B2A1215-BS1)**

Prepared: 01/12/2022 Analyzed: 01/12/2022

Diesel (C10-C28)	912	50.0	mg/kg	1000		91.2	70-130			
Residual Range Organics (C28-C40)	1140	200	"	1000		114	70-130			
Surrogate: o-Terphenyl	38		"	49.8		76.1	50-150			

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Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2A1215 - EPA 3550B**

Matrix Spike (B2A1215-MS1)		Source: Y201140-01			Prepared: 01/12/2022 Analyzed: 01/12/2022					
Diesel (C10-C28)	934	50.0	mg/kg	1000	ND	93.4	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	36		"	49.8		71.4	50-150			

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Project: Ridgeview 32-16-1

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2A1215 - EPA 3550B**

Matrix Spike Dup (B2A1215-MSD1)		Source: Y201140-01			Prepared: 01/12/2022 Analyzed: 01/12/2022					
Diesel (C10-C28)	1170	50.0	mg/kg	1000	ND	117	70-130	22.2	35	
Residual Range Organics (C28-C40)	767	200	"	1000	ND	76.7	70-130	27.5	35	
Surrogate: o-Terphenyl	44		"	49.8		88.4	50-150			

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Project: Ridgeview 32-16-1

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2A1323 - EPA 5030 (soil)</b>										
<b>Blank (B2A1323-BLK1)</b>					Prepared: 01/13/2022 Analyzed: 01/14/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Project: Ridgeview 32-16-1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2A1323 - EPA 5030 (soil)</b>										
<b>LCS (B2A1323-BS1)</b>					Prepared: 01/13/2022 Analyzed: 01/14/2022					
1,2,4-Trimethylbenzene	0.0976	0.00200	mg/kg	0.100		97.6	70-130			
1,3,5-Trimethylbenzene	0.0971	0.00200	"	0.100		97.1	70-130			
Benzene	0.105	0.00200	"	0.100		105	70-130			
Ethylbenzene	0.0959	0.00200	"	0.100		95.9	70-130			
Naphthalene	0.0857	0.0100	"	0.100		85.7	70-130			
Toluene	0.0962	0.00200	"	0.100		96.2	70-130			
o-Xylene	0.0967	0.00200	"	0.100		96.7	70-130			
m,p-Xylene	0.195	0.00400	"	0.200		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

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Project: Ridgeview 32-16-1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2A1323 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2A1323-MS1)</b>		<b>Source: Y201151-02</b>			Prepared: 01/13/2022 Analyzed: 01/14/2022					
1,2,4-Trimethylbenzene	0.0703	0.00200	mg/kg	0.100	ND	70.3	70-130			
1,3,5-Trimethylbenzene	0.0688	0.00200	"	0.100	ND	68.8	70-130			QM-07
Benzene	0.103	0.00200	"	0.100	ND	103	70-130			
Ethylbenzene	0.0867	0.00200	"	0.100	ND	86.7	70-130			
Naphthalene	0.0566	0.0100	"	0.100	0.00106	55.5	70-130			QM-07
Toluene	0.0913	0.00200	"	0.100	ND	91.3	70-130			
o-Xylene	0.0866	0.00200	"	0.100	ND	86.6	70-130			
m,p-Xylene	0.176	0.00400	"	0.200	ND	87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Project: Ridgeview 32-16-1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2A1323 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2A1323-MSD1)</b>		<b>Source: Y201151-02</b>			Prepared: 01/13/2022 Analyzed: 01/17/2022					
1,2,4-Trimethylbenzene	0.0727	0.00200	mg/kg	0.100	ND	72.7	70-130	3.36	20	QM-07
1,3,5-Trimethylbenzene	0.0724	0.00200	"	0.100	ND	72.4	70-130	5.04	20	QM-07
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	2.06	20	
Ethylbenzene	0.0858	0.00200	"	0.100	ND	85.8	70-130	1.04	20	
Naphthalene	0.0629	0.0100	"	0.100	0.00106	61.9	70-130	10.6	20	QM-07
Toluene	0.0911	0.00200	"	0.100	ND	91.1	70-130	0.219	20	
o-Xylene	0.0892	0.00200	"	0.100	ND	89.2	70-130	3.05	20	
m,p-Xylene	0.182	0.00400	"	0.200	ND	91.2	70-130	3.72	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Project: Ridgeview 32-16-1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2A1213 - NO PREP**

**Blank (B2A1213-BLK1)**

Prepared: 01/12/2022 Analyzed: 01/13/2022

Specific Conductance (EC) 0.000900 0.00500 mmhos/cm

**Duplicate (B2A1213-DUP1)**

**Source: Y201143-01**

Prepared: 01/12/2022 Analyzed: 01/13/2022

Specific Conductance (EC) 0.857 0.00500 mmhos/cm

0.819 4.56 25

**Batch B2A1219 - NO PREP**

**Duplicate (B2A1219-DUP1)**

**Source: Y201143-01**

Prepared: 01/12/2022 Analyzed: 01/13/2022

pH 7.68 pH Units

7.78 1.29 25

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Project: Ridgeview 32-16-1

**Flash Point by ASTM D93-80 - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L597348 -

**LCS (LCS)**

Prepared: Analyzed: 02/01/2022

Flash Point	78.8	32	degrees F	80	96	90-110
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Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L594275 - 3550B

MSD (L 89992-MSD-L594275)		Source: 89992			Prepared: 01/13/2022 Analyzed: 01/14/2022					
Benzo(k)fluoranthene	0.0819	0.000437	mg/Kg	0.166	<0.000437	49.3	30-130	50.3	30	
Fluoranthene	0.0988	0.000394	"	0.166	<0.000394	59.5	30-130	47.2	30	
Fluorene	0.0827	0.000286	"	0.166	<0.000286	49.8	30-130	56.6	30	
Dibenz(a,h)anthracene	0.113	0.000614	"	0.166	<0.000614	68	30-130	54.6	30	
Naphthalene	0.0707	0.000484	"	0.166	<0.000484	42.5	30-130	59	30	
Pyrene	0.0936	0.000643	"	0.166	<0.000643	56.3	30-130	46.3	30	
Benzo(b)fluoranthene	0.073	0.000585	"	0.166	<0.000585	43.9	30-130	51.7	30	
1-Methylnaphthalene	0.076	0.000364	"	0.166	<0.000364	45.7	30-130	56.6	30	
Benzo(a)anthracene	0.0945	0.000493	"	0.166	<0.000493	56.9	30-130	50.2	30	
Anthracene	0.094	0.000334	"	0.166	<0.000334	56.6	30-130	46.5	30	
Chrysene	0.0856	0.000624	"	0.166	<0.000624	51.5	30-130	58.2	30	
Acenaphthene	0.0805	0.000304	"	0.166	<0.000304	48.4	30-130	55.9	30	
2-Methylnaphthalene	0.0759	0.000645	"	0.166	<0.000645	45.7	30-130	57.3	30	
Benzo(a)pyrene	0.108	0.000468	"	0.166	<0.000468	65	30-130	53.5	30	
Indeno(1,2,3-cd)pyrene	0.107	0.000627	"	0.166	<0.000627	64.4	30-130	42	30	
Surrogate: Nitrobenzene-d5	34.6		"	0.332	176	34.6	29-110			
Surrogate: 4-Terphenyl-d14	45.4		"	0.332	203	45.4	33-122			
Surrogate: 2-Fluorobiphenyl	33.4		"	0.332	177	33.4	33-115			

MS (L 89992-MS-L594275)		Source: 89992			Prepared: 01/13/2022 Analyzed: 01/14/2022					
Pyrene	0.15	0.000643	mg/Kg	0.164	<0.000643	91.4	30-130			
Benzo(k)fluoranthene	0.137	0.000437	"	0.164	<0.000437	83.5	30-130			
Chrysene	0.156	0.000624	"	0.164	<0.000624	95.1	30-130			
Dibenz(a,h)anthracene	0.198	0.000614	"	0.164	<0.000614	121	30-130			
Fluoranthene	0.16	0.000394	"	0.164	<0.000394	97.5	30-130			
Fluorene	0.148	0.000286	"	0.164	<0.000286	90.2	30-130			
Indeno(1,2,3-cd)pyrene	0.164	0.000627	"	0.164	<0.000627	100	30-130			

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Project: Ridgeview 32-16-1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L594275 - 3550B**

MS (L 89992-MS-L594275)		Source: 89992			Prepared: 01/13/2022 Analyzed: 01/14/2022					
Naphthalene	0.13	0.000484	mg/Kg	0.164	<0.000484	79.2	30-130			
Benzo(b)fluoranthene	0.124	0.000585	"	0.164	<0.000585	75.6	30-130			
Benzo(a)pyrene	0.187	0.000468	"	0.164	<0.000468	114	30-130			
Benzo(a)anthracene	0.158	0.000493	"	0.164	<0.000493	96.3	30-130			
Anthracene	0.151	0.000334	"	0.164	<0.000334	92	30-130			
Acenaphthene	0.143	0.000304	"	0.164	<0.000304	87.1	30-130			
2-Methylnaphthalene	0.137	0.000645	"	0.164	<0.000645	83.5	30-130			
1-Methylnaphthalene	0.136	0.000364	"	0.164	<0.000364	82.9	30-130			
Surrogate: Nitrobenzene-d5	58.2		"	0.328	176	58.2	29-110			
Surrogate: 4-Terphenyl-d14	70.4		"	0.328	203	70.4	33-122			
Surrogate: 2-Fluorobiphenyl	57.6		"	0.328	177	57.6	33-115			

LCS (LCS-L594275)		Prepared: 01/13/2022 Analyzed: 01/14/2022								
1-Methylnaphthalene	0.137	0.000364	mg/Kg	0.167		82	30-130			
Naphthalene	0.13	0.000484	"	0.167		77.8	30-130			
2-Methylnaphthalene	0.137	0.000645	"	0.167		82	30-130			
Indeno(1,2,3-cd)pyrene	0.106	0.000627	"	0.167		63.4	30-130			
Pyrene	0.14	0.000643	"	0.167		83.8	30-130			
Fluorene	0.143	0.000286	"	0.167		85.6	30-130			
Fluoranthene	0.15	0.000394	"	0.167		89.8	30-130			
Dibenz(a,h)anthracene	0.12	0.000614	"	0.167		71.8	30-130			
Chrysene	0.146	0.000624	"	0.167		87.4	30-130			
Acenaphthene	0.14	0.000304	"	0.167		83.8	30-130			
Benzo(b)fluoranthene	0.0946	0.000585	"	0.167		56.6	30-130			
Benzo(a)pyrene	0.177	0.000468	"	0.167		106	30-130			
Benzo(a)anthracene	0.153	0.000493	"	0.167		91.6	30-130			
Anthracene	0.145	0.000334	"	0.167		86.8	30-130			

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**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L594275 - 3550B**

**LCS (LCS-L594275)**

Prepared: 01/13/2022 Analyzed: 01/14/2022

Benzo(k)fluoranthene	0.0934	0.000437	mg/Kg	0.167		55.9	30-130			
Surrogate: Nitrobenzene-d5	59.4		"	0.333		59.4	29-110			
Surrogate: 2-Fluorobiphenyl	64.8		"	0.333		64.8	33-115			
Surrogate: 4-Terphenyl-d14	69		"	0.333		69	33-122			

**LRB (LRB-L594275)**

Prepared: 01/13/2022 Analyzed: 01/14/2022

Anthracene	ND	0.00067	mg/Kg				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	54		"	0.333		54	29-110			
Surrogate: 2-Fluorobiphenyl	59.1		"	0.333		59.1	33-115			
Surrogate: 4-Terphenyl-d14	64.8		"	0.333		64.8	33-122			

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**Total Metals by 6020B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L594296 - 3050B**

MSD (L 89978-MSD-L594296)			Source: 89978			Prepared: 01/12/2022 Analyzed: 01/14/2022				
Zinc	79.9	0.534	mg/Kg	24.5	48.2	129	75-125	7.2	80	*
Arsenic	2.8	0.0855	"	2.45	1.04	72	75-125	5.1	80	*
Barium	66	0.042	"	4.91	65.2	16	75-125	5.3	80	*
Cadmium	0.679	0.0259	"	0.491	0.181	138	75-125	1.1	80	*
Copper	24.2	0.161	"	2.45	16.9	298	75-125	1.2	80	*
Lead	12.9	0.031	"	2.45	10.3	106	75-125	1.5	80	
Nickel	10.5	0.0633	"	2.45	6.79	151	75-125	8.3	80	*
Selenium	3.34	0.103	"	4.91	0.17	68	75-125	7.1	80	*
Silver	0.552	0.0067	"	0.491	0.0765	112	75-125	2.3	80	

MS (L 89978-MS-L594296)			Source: 89978			Prepared: 01/12/2022 Analyzed: 01/14/2022				
Selenium	3.11	0.103	mg/Kg	4.99	0.17	62	75-125			*
Nickel	9.66	0.0633	"	2.5	6.79	115	75-125			
Lead	13.1	0.031	"	2.5	10.3	112	75-125			
Copper	23.9	0.0806	"	2.5	16.9	281	75-125			*
Cadmium	0.671	0.0259	"	0.499	0.181	134	75-125			*
Barium	69.6	0.042	"	4.99	65.2	88	75-125			
Zinc	74.3	0.534	"	25	48.2	105	75-125			
Arsenic	2.66	0.0855	"	2.5	1.04	65	75-125			*
Silver	0.539	0.0067	"	0.499	0.0765	108	75-125			

LCS (LCS-L594296)			Prepared: 01/12/2022 Analyzed: 01/14/2022							
Silver	0.497	0.0067	mg/Kg	0.5		99	80-120			
Arsenic	2.29	0.0855	"	2.5		92	80-120			
Zinc	24.4	0.534	"	25		98	80-120			
Selenium	5.09	0.103	"	5		102	80-120			
Lead	2.38	0.031	"	2.5		95	80-120			

Origins Laboratory, Inc.



*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.*



Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

**Total Metals by 6020B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L594296 - 3050B</b>										
<b>LCS (LCS-L594296)</b>					Prepared: 01/12/2022 Analyzed: 01/14/2022					
Copper	2.33	0.0806	mg/Kg	2.5		93	80-120			
Cadmium	0.496	0.0259	"	0.5		99	80-120			
Barium	4.91	0.042	"	5		98	80-120			
Nickel	2.5	0.0633	"	2.5		100	80-120			
<b>LRB (LRB-L594296)</b>					Prepared: 01/12/2022 Analyzed: 01/14/2022					
Arsenic	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Barium	0.561	0.25	"				-			*
Cadmium	ND	0.25	"				-			

Origins Laboratory, Inc.



*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.*

Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

**Total Metals by 7196A - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L595088 -</b>										
<b>DUP (L 89962-DUP)</b>		<b>Source: 89962</b>			Prepared: Analyzed: 01/19/2022					
Chromium, Hexavalent	ND	0.244	mg/Kg		<0.500	-		0	20	
<b>MS (L 89962-MS)</b>		<b>Source: 89962</b>			Prepared: Analyzed: 01/19/2022					
Chromium, Hexavalent	5.96	0.244	mg/Kg	7.83	<0.244	76	75-125			
<b>LCS (LCS)</b>					Prepared: Analyzed: 01/19/2022					
Chromium, Hexavalent	6.98	0.244	mg/Kg	8		87	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 01/19/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



*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.*

Absaroka  
112 High St.  
Buffalo WY 82834

Joel Mason  
Project Number: GPE.CO.0586.02  
Project: Ridgeview 32-16-1

## Notes and Definitions

- U Sample is Non-Detect.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- Pass Pass
- J Estimated Value. Analyte below reported quantitation limit.
- >204 >204
- \* QC Failure
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



*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.*

## Attachment E – Water Well Summary

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## Attachment E – Water Well Summary

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**Water Well Information for Wells Within One Mile of Santa Fe Natural Resources Ridgeview 32-16-1 Pad**

Receipt	Permit	Well Status	County	PM	Township	Range	Section	Q160	Q40	Latitude	Longitude	Use	Use #2	Permit Issued	Date of Well Construction	Elevation	Well Depth	Top (perf. casing)	Bottom (perf. casing)	Static Water Level	Well Applicant	Comments
9119563	85775-	Well Constructed	Moffat	S	6 N	91 W	21	NE	SW	40.463374	-107.60497	Domestic	-	-	8/30/1976	-	600	-	-	6	COLOWYO COAL CO	
9119524	81159-	Well Constructed	Moffat	S	6 N	91 W	21	SW	NE	40.462037	-107.61391	Domestic	Stock	10/1/1975	-	-	700	-	-	-	TIMMER JACOB E & STACY J	Flowing well
9119211	10866-R	Well Constructed	Moffat	S	6 N	91 W	9	SE	SE	40.486569	-107.60215	Domestic	Irrigation	-	11/30/1950	6617	2900	-	-	-	BOOCO RANDY D & JOY J	Flowing well
9601906	288127-	Well Constructed	Moffat	S	6 N	91 W	9	SE	NE	40.489275	-107.60358	Domestic	-	5/1/2012	9/29/2012	-	460	420	460	145	ANDERSON, JOHN B./Epp, Jason B.	
225452	92796--A	Well Constructed	Moffat	S	6 N	91 W	9	SE	SW	40.485285	-107.60476	Domestic	Stock	1/11/1983	7/10/1982	-	520	500	520	-	DORR, BRYAN	Flowing well
9601472	277425-	Well Constructed	Moffat	S	6 N	91 W	17	NE	NE	40.483672	-107.6207	Domestic	-	5/7/2008	9/22/2009	-	320	280	320	150	DUGGAN, JOSEPH L	
3659302B	77458-F	Well Constructed	Moffat	S	6 N	91 W	9	SE	SE	40.486109	-107.60058	Commercial	Industrial	8/9/2013	-	-	144	-	-	-	BOOCO RANDY D & JAY J	COMMERCIAL SALE OF WATER FOR INDUSTRIAL PURPOSES FOR OIL AND GAS INDUSTRY; IRRIGATION OF 40 ACRES; COMMERCIAL BLDGS; DOMESTIC USE IN 29 LOT SUBDIVISION INCLUDING IRRIGATION OF UP TO ONE ACRE PER LOT; EVAP FROM FOX POINT POND. FLOWING WELL
10846	33422-F	Well Constructed	Moffat	S	6 N	91 W	16	SW	NW	40.474081	-107.61702	Other	-	3/30/1988	-	-	24	-	-	24	WILLIAMS FORK CO	
3664425	78087-F	Well Constructed	Moffat	S	6 N	91 W	9	SE	SE	40.486323	-107.60224	Commercial	Irrigation	4/24/2014	-	-	2900	-	-	-	BOOCO RANDY D & JOY J	
225452	92796--A	Well Constructed	Moffat	S	6 N	91 W	9	SE	SW	40.485285	-107.60476	Domestic	Stock	1/11/1983	7/10/1982	-	520	500	520	-	DORR, JENNIFER	
9119623	92796-	Well Constructed	Moffat	S	6 N	91 W	9	SE	SW	40.485366	-107.60477	Domestic	-	-	7/14/1979	-	60	-	-	-	GONZALES ALBERT & PEGGY	

\*Water well list compiled from information provided on Colorado Division of Water Resources (DWR) Website; [dwr.state.co.us/Tools/WellPermits](http://dwr.state.co.us/Tools/WellPermits)

perf. = perforated

Q = quarter of Public Land Survey System (PLSS)

PM = Principal Meridian of PLSS

- indicates no information available

STATE OF COLORADO  
DIVISION OF WATER RESOURCES  
OFFICE OF THE STATE ENGINEER, GROUND WATER SECTION  
REGISTRATION NO. 10866 OF WELL #1 17-A(8)  
APR 22 1960  
GROUND WATER SECT.  
COLORADO  
STATE ENGINEER

Registrant William M. Craig Date 4/22-1960

P.O. Address Craig, Colorado, Colo.

WELL LOCATION

County Moffat

SE 1/4, SE 1/4 Section 7

Twp. 6N, Rge. 91W, 6<sup>th</sup> PM

WELL DATA

Depth 2900 ft. Diameter 8 in.

Casing : unknown ft. Plain;        ft. Perfor.

Static Water Level Artisan flowing ft. from top

Yield 3592 (gpm)(cfs) from        ft.

Used for Irrigation, Domestic Stock at

SE-SE 9-6N-91W 6<sup>th</sup> PM  
(legal description of land or site)

Water conveyed by Pipe size 15X24"

Type 70 pump PUMP DATA Size flowing 8"

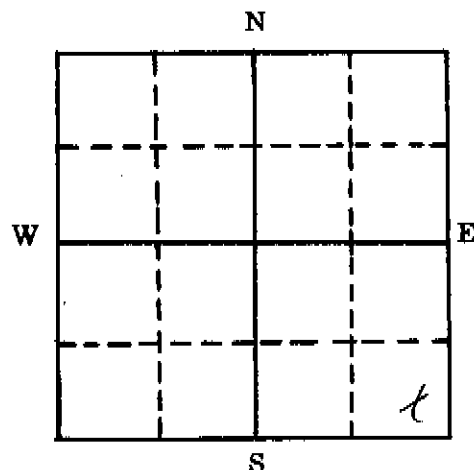
Driven by        at        RPM

Well was first used year 7 of 1951

for Irrigation & Stock using 3592 cfs  
Domestic gpm

Well enlarged       , 19   to  
deepened        (gpm)(cfs)(ft)

LOG SHOULD BE GIVEN ON REVERSE  
SIDE IF AVAILABLE



WELL TO BE LOCATED AS ACCUR-  
ATELY AS POSSIBLE WITHIN A  
SMALL SQUARE WHICH REPRESENTS  
40 ACRES; OR IF IN A TOWN OR  
SUBDIVISION FILL IN THE FOLLOW-  
ING:

Town or Subdivision

Street address or Lot and Block

The above well (has) (has not) been registered in the Office of the State Engineer prior  
to May 1, 1957. If Registered give Filing No.       

If NOT Registered prior to May 1, 1957, a \$5.00 filing fee accompanies this form.

The above statements are true and correct to the best of my knowledge and belief.

Subscribed and Sworn before me

this 22<sup>nd</sup> day of April, 1960

My commission expires 2/3/63

(SEAL) Elizabeth P. Clark  
Notary Public

William M. Craig  
Registrant

FOR STATE ENGINEER'S USE

Located in 6-44 district, Moffat County for Irrigation & Dom. & Stock

Registration No. 1 in 6-44, on April 22, 1960

FORM NO.  
GWS-11  
07/93

STATE OF COLORADO  
OFFICE OF THE STATE ENGINEER  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

For Office Use only

RECEIVED

JUN 05 2001

WATER RESOURCES  
STATE ENGINEER  
COLO.

PRIOR TO COMPLETING FORM, SEE INSTRUCTIONS ON REVERSE SIDE

## CHANGE IN OWNERSHIP/ADDRESS / LOCATION

WELL PERMIT, LIVESTOCK TANK OR EROSION CONTROL DAM

1. NEW OWNER

NAME(S) Randy D. + Joy J. Booco  
Mailing Address P.O. Box 572  
City, St. Zip HAYDEN CO. 81639  
Phone (970) 276-3887

2. THIS CHANGE IS FOR ONE OF THE FOLLOWING:

☒ WELL PERMIT NUMBER 10866  
☐ LIVESTOCK WATER TANK NUMBER  
☐ EROSION CONTROL DAM NUMBER

Permit # 10866-R  
rec # 9119211

3. WELL LOCATION: COUNTY Moffat OWNER'S WELL DESIGNATION Craig Well No. 1  
(Address) (City) (State) (Zip)

SE 1/4 of the SE 1/4, Sec. 9 Twp. 6 ☒ N. or ☐ S., Range 91 ☐ E. or ☒ W. 6th P.M.

Distances from Section Lines 800 Ft. from ☐ N. or ☒ S. Line, 600 Ft. from ☒ E. or ☐ W. Line.  
Subdivision \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Filing (Unit) \_\_\_\_\_

4. LIVESTOCK TANK OR EROSION CONTROL DAM LOCATION: COUNTY \_\_\_\_\_  
\_\_\_\_\_ 1/4, Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ ☐ N. or ☐ S., Range \_\_\_\_\_ ☐ E. or ☐ W. \_\_\_\_\_ P.M.

5. The above listed owner(s) say(s) that he (they) own the structure described herein.  
The existing record is being amended for the following reason(s):

☒ Change in name of owner. ☒ Change in mailing address. ☐ Correction of location.

6. I (we) have read the statements made herein, know the contents thereof, and state that they are true  
to my (our) knowledge.  
[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in  
the second degree and is punishable as a class 1 misdemeanor.]

Name/Title (New Owner) Please type or print

Signature (New Owner)

Date

Randy D. + Joy J. Booco

Randy D. Booco Joy J. Booco

5-31-01

FOR OFFICE USE ONLY

ACCEPTED AS A CHANGE IN OWNERSHIP  
AND/OR MAILING ADDRESS.

Hal D. Simpson

A. Tuf

6-6-01

State Engineer

By

Date

Court Case No. \_\_\_\_\_ Div. 6 Co. WD 44 Basin \_\_\_\_\_ MD \_\_\_\_\_ Use \_\_\_\_\_

ORDER OF THE STATE ENGINEER

---

7IN THE MATTER OF WELL PERMIT NO. 10866-R

LOCATION: SE1/4, SE1/4, SECTION 9, TOWNSHIP 6 N, RANGE 91 W

APPLICANT: RANDY D AND JOY BOOCO

---

THE STATE ENGINEER FINDS:

The well permit was issued on April 22, 1960.

On March 22, 2013, Randy and Joy Booco submitted evidence that the well would no longer withdraw water under permit no. 10866-R. The evidence submitted is as follows: Randy and Joy Booco submitted an application (receipt no. 3659302A) to change/expand the use of the well.

The well permit is hereby cancelled and is of no further force or effect.

Dated this 9th day of August, 2013.



---

Dick Wolfe  
State Engineer

By:   
Megan Sullivan  
Water Resource Engineer

Prepared by: MAS

cc: Division 6  
Applicant

NOV - 2 1988

WATER RESOURCES  
STATE ENGINEER  
ORD

1313 Sherman Street - Room 818  
Denver, Colorado 80203

PERMIT NUMBER 033422-F

WELL OWNER WILLIAMS FORK COMPANY

ADDRESS P.O. BOX 187, CRAIG CO 81626

DATE COMPLETED MARCH 30 , 19 88

NW & SW ¼ of the SW ¼ of Sec. 16

T. 6 R. 91 W. 6TH P.M.

HOLE DIAMETER

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

\_\_\_\_\_ in, from \_\_\_\_\_ to \_\_\_\_\_ ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

## DRILLING METHOD

**CASING RECORD:** Plain Casing

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

### Perforated Casing

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft

### GROUTING RECORD

Material \_\_\_\_\_

Intervals ..... 149

Placement Method \_\_\_\_\_

GRAVEL PACK: Size \_\_\_\_\_

Interval \_\_\_\_\_

### TEST DATA

Date Tested \_\_\_\_\_, 19\_\_\_\_

Static Water Level Prior to Test \_\_\_\_\_ ft

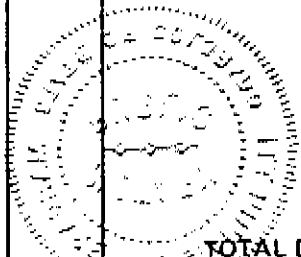
Type of Test Pump \_\_\_\_\_

Length of Test \_\_\_\_\_

Sustained Yield (Metered) \_\_\_\_\_

Final Pumping Water Level \_\_\_\_\_

## WELL LOG

From	To	Type and Color of Material	Water Loc.
<div style="text-align: center;">  </div>			
TOTAL DEPTH _____			

Use additional pages necessary to complete log.

Use additional pages necessary to complete log.



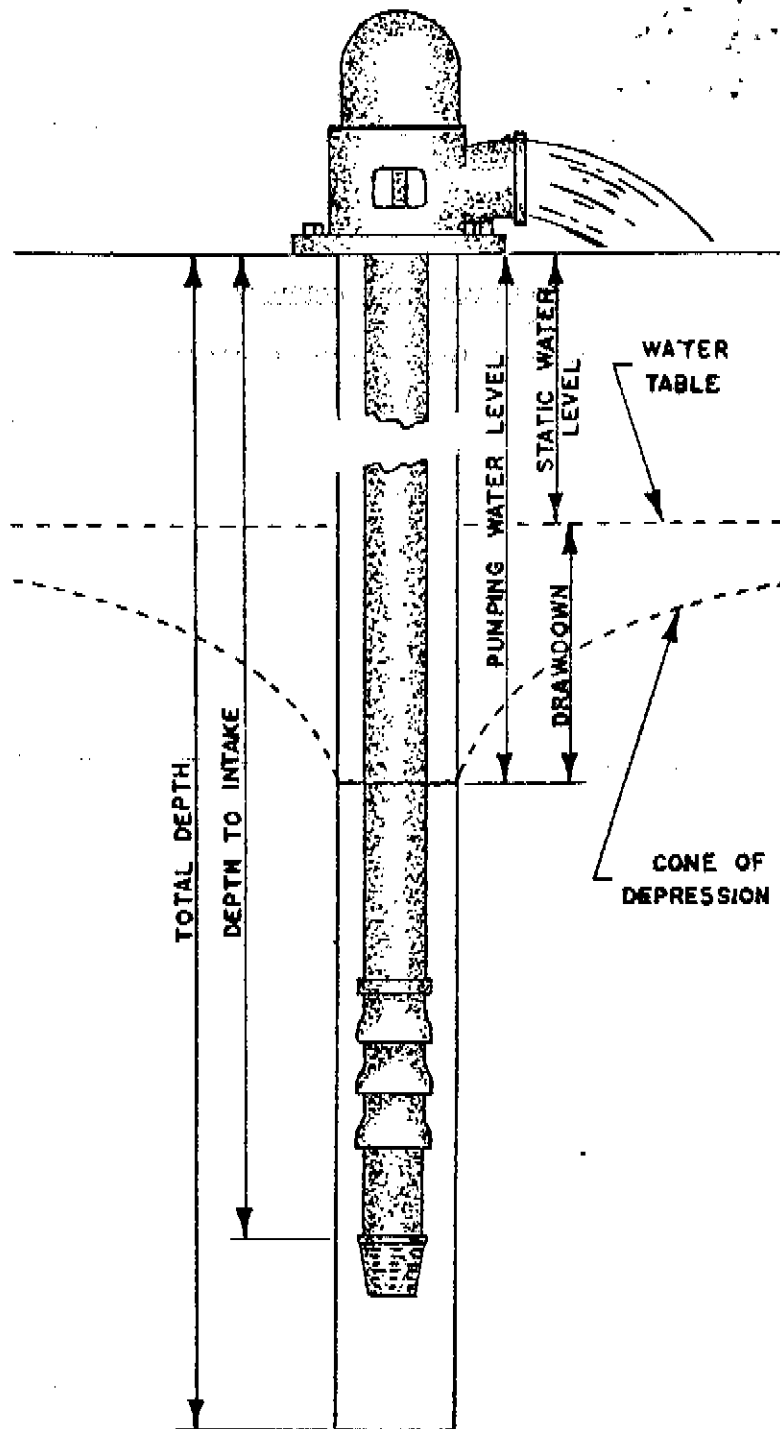
# PUMP INSTALLATION REPORT

Pump Make \_\_\_\_\_  
 Type \_\_\_\_\_  
 Powered by \_\_\_\_\_ HP \_\_\_\_\_  
 Pump Serial No. \_\_\_\_\_  
 Motor Serial No. \_\_\_\_\_  
 Date Installed \_\_\_\_\_  
 Pump Intake Depth \_\_\_\_\_  
 Remarks \_\_\_\_\_

## WELL TEST DATA WITH PERMANENT PUMP

Date Tested 10/1/87 to 9/30/88  
 Static Water Level Prior to Test 24'  
 Length of Test 300 Hours  
 Sustained yield (Metered) 509 GPM  
 Pumping Water Level N/A  
 Remarks Sustained yield based on weighed x

gpm pumping over monitoring period  
10/1/87 to 9/30/88 through a parshall  
flume.



## CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

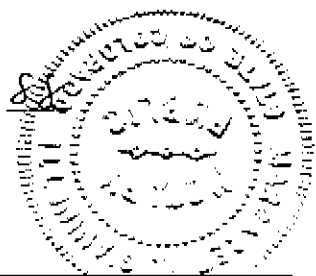
Signature Wayne E. Soumireu License No. \_\_\_\_\_

State of Colorado, County of Moffat SS

Subscribed and sworn to before me this 28th day of October, 19 88

My Commission expires: 02/19/89, 19 \_\_\_\_\_

Notary Public Margaret K. Bianchetti  
924 Barclay, Craig CO 81625



FORM TO BE MADE OUT IN QUADRUPPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St.  
Denver, Colorado 80203

TYPE OR  
PRINT IN BLACK INK  
COPY OF ACCEPTED  
STATEMENT MAILED  
ON REQUEST.

WATER RESOURCES  
STATE ENGINEER  
AFFIDAVIT

STATE OF COLORADO

COUNTY OF Moffat

SS.

RECEIVED

NOV - 2 1988

WATER RESOURCES  
STATE ENGINEER  
CRAIG

X STATEMENT OF BENEFICIAL USE OF GROUND WATER  
       AMENDMENT OF EXISTING RECORD  
       LATE REGISTRATION

33422F | 600  
24 | 100

PERMIT NUM                     

LOCATION OF WELL

THE AFFIANT(S) Williams Fork Company

County Moffat

whose mailing

address is P.O. Box 187

NW & SW 1/4 of the SW 1/4 Section 16

City Craig CO 81626

(STATE) (ZIP)

Twp. 6 N Rng. 91 W 6th P.M.

(N OR S) (E OR W)

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is

located as described above, at distances of 1450 feet from the south section line and 550 feet from the

west 1/4 section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the 30th

day of MAR. 88 per attached M.M. 12-12-88 1984; the maximum sustained pumping rate of the well is 600 gallons per minute, the pumping

rate claimed hereby is 600 gallons per minute; the total depth of the well is 24 feet; the average annual amount

of water to be diverted is 100.03 acre-feet; for which claim is hereby made for fugitive dust control, material

handling losses & evaporation purpose(s); the legal description of the land on which the water from this well is used is

SW 1/4 of the SW 1/4 of Sec. 16, T6N, R91W and NW 1/4 of the SW 1/4 of Sec. 16, T6N, R91W of which

0 acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) J.A. Edley

Subscribed and sworn to before me on this 29 day of April, 1988

My Commission expires 5/19/92

Bunk 1083 Craig Co  
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO  
PURSUANT TO THE FOLLOWING CONDITIONS:

THAT THOSE CONDITIONS OF APPROVAL AS STATED ON THE  
PERMIT ARE COMPLIED WITH. M.M. 12-12-88

5/19/88

FOR OFFICE USE ONLY

Court Case No.                     

Prior.                      Mo.                      Day                      Yr.                     

Div. 6 City 41

Sec.                      1/4 1/4 1/4

Well Use 9 5

Dist. 44 Basin                      Mon. Dis.                     

JAN 03 1989

DATE

STATE ENGINEER

June A. Davidson

BY

Steve / [Signature]

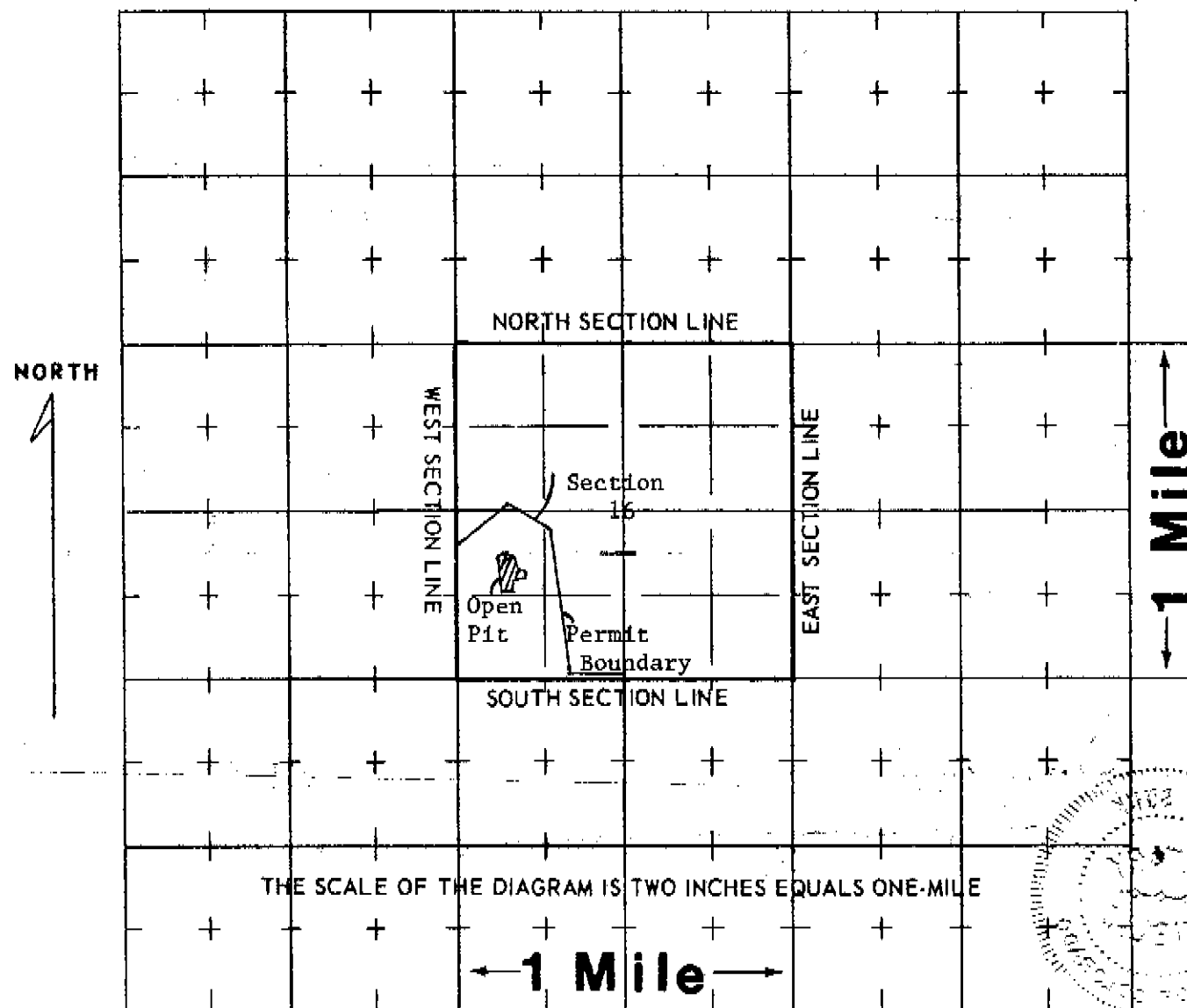
Well drilled by NA Lic. No. \_\_\_\_\_  
Permanent  
Pump installed by NA Lic. No. \_\_\_\_\_

Meter Serial No. \_\_\_\_\_ ☐ Flow Meter Date Installed \_\_\_\_\_

Owner of land on which  
water is being used State of Colorado

**THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.**

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep.  
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm).  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.  
100 gpm pumped continuously for one year produces 160 acre-feet.

(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER  
PINK COPY WILL BE RETURNED TO OWNER)

AMENDMENT TO STATEMENT OF BENEFICIAL USE OF GROUND WATER  
COLORADO DIVISION OF WATER RESOURCES FORM WRJ-25-75

RECEIVED

NOV - 2 1988

PERMIT NUMBER: 033422-F

WATER RESOURCES  
ENGINEER  
CONS.

LOCATION OF WELL:

County: Moffat  
NW & SW 1/4 of the SW 1/4, Section 16  
Twp. 6N, Range 91 W, 6th PM

THE AFFIANT(S), Williams Fork Company, whose mailing address is P.O. Box 187, Craig, Colorado 81626, being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is located as described above, at distances of 1450 feet from the south section line and 550 feet from the west section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the 30th day of March, 1988.

This statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

Signature(s)

Wayne E. Smith

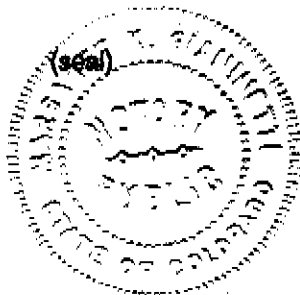
Subscribed and sworn

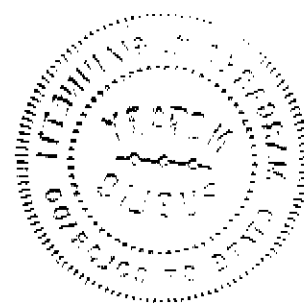
to before me on this 28<sup>th</sup> day of October, 1988.

My Commission expires: February 19, 1989

Margaret K. Quarinetti

Notary







**PERMIT NUMBER**

33422-F

**WELL COMPLETION REPORT**

**NOT AVAILABLE**

**DATE:** 12-12-88

**BY:** M. M.

THIS IS A GRAVEL PIT

**WILLIAMS FORK COMPANY****RECEIVED****DEC 11 1985**WATER RESOURCES  
STATE - ENGINEER  
COLD

December 6, 1985

Colorado Division of Water Resources  
818 Centennial Building  
1313 Sherman Street  
Denver CO 80203

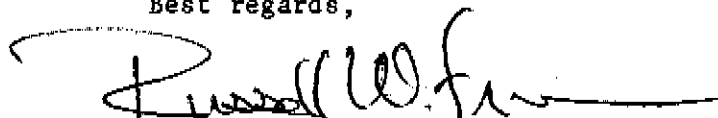
Dear Sirs:

Subject: Water Well Permit Application.

Please accept herein our application for a permit to construct a well. The well will be an open sand and gravel pit on State Land Board Lease 186-S. The annual consumption of water will be 99.37 acre-feet for evaporative losses, 0.32 acre-feet for haul road watering and 0.34 acre-feet for product handling and processing.

Please feel free to contact us if there should be any questions.

Best regards,



Russell W. Frum  
Assistant Manager of Administration

RWF/bao  
Enclosure

# WILLIAMS FORK COMPANY

RECEIVED

MAY 03 1988

WATER RESOURCES  
STATE ENGINEER  
CON'D

April 28, 1988

Mr. Bruce Debrine  
Water Resource Engineer  
Colorado Division of Water Resources  
818 Centennial Building  
1313 Sherman Street  
Denver, CO 80203

Dear Bruce:

This correspondence addresses several of the conditions of approval for the well permit (#033422-F) recently issued (3/30/88) to the Williams Fork Company Sand and Gravel Operation. Condition 3 states "A totalizing flow meter must be installed and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Division engineer upon request." Currently, a totalizing flow meter is not installed on the pumping device used at our operation. However, a Parshall Flume has been installed to measure pumping flows (weekly). In addition, daily records are kept monitoring the duration pumping occurs. The Williams Fork Company proposes the above stated technique for measuring flows and monitoring the duration of discharges as an adequate substitute for a totalizing flow meter.

Condition 4 states "The maximum pumping rate of this well shall not exceed 500 gpm." The Williams Fork Company proposes this be changed to 600 gpm to accommodate the maximum efficiency of our pump.

As stated in the well permit application form and the Statement of Beneficial Use of Ground Water form, none of the well discharge water is used for irrigation purposes. The water is pumped out of our sand and gravel pit, transported through surface pipe and discharged directly into the Yampa River. In addition, the Williams Fork Company plans to begin dewatering after the 15th of May, 1988.

The Williams Fork Company appreciates your consideration of the above-stated modification to the permit condition approval. If you have any questions, please contact me.

Best regards,



H. Bruce Humphries  
Sr. Env. Engineer

WA/jb [HBH-COLO]

Enclosure

pc W. Agnew  
file

STATE OF COLORADO  
OFFICE OF THE STATE ENGINEER  
DIVISION OF WATER RESOURCES

RECEIVED

JUN - 7 1988

## BENEFICIAL USE FIELD INSPECTION

WELL PERMIT NO. 033422-F

APPLICANT Williams Fork Company

WATER RESOURCES  
STATE ENGINEER  
COLOR.

- 1) Has water been put to beneficial use as claimed? yes  
(Yes or No)
- 2) Is the well located where claimed? yes  
(Yes or No)
- 3) Are the number and legal description of the acres irrigated accurate?  
yes  
(Yes or No)
- 4) Is a totalizing flow meter installed on the well? No  
(Yes or No)
- 5) Comments: They have a 8" power takeoff driven centrifugal pump. It is  
pumped about 700' to a 2' Parshall flume that has a staff gage and a  
Stevens recorder installed. The water is put back into the river. The only  
time it is pumped is when they are crushing gravel.

I field inspected the site of the well permitted under the referenced well permit on 033422-F, and the above is an accurate report of my findings.

Walter A. Baber  
Signature

6-3-88  
Date

INSPECTOR  
Title

6 44  
Division/District



BOARD OF EXAMINERS OF WATER WELL CONSTRUCTION AND PUMP INSTALLATION CONTRACTORS  
DIVISION OF WATER RESOURCES  
1313 Sherman Street-Room 818  
Denver, Colorado 80203  
(303) 866-3581

June 29, 1988

H. Bruce Humphries, Sr. Env. Engineer  
Williams Fork Company  
P.O. Box 187  
Craig, CO 81626

RE: Conditions of Approval, Permit No. 33422-F

Dear Mr. Humphries:

Pursuant to a telephone conversation on June 6, 1988 with Bill Agnew and in response to your letter of April 28, 1988, the request to alter Condition of Approval 3 on the above-referenced well permit has been approved. The Parshall Flume, currently installed, may be used to measure the discharge of this well. A totalizing flow meter need not be installed. Accurate records of all withdrawals shall still be maintained.

Condition 4 is changed pursuant to your request to a maximum pumping rate not to exceed 600 gallons per minute to accommodate your pump's efficiency rating.

Please contact me if you have any questions.

Sincerely,

Bruce E. DeBrine  
Water Resources Engineer  
Ground Water Section

cc: Walt Bohrer, Div. 6





# TRAPPER MINING INC.

RECEIVED

NOV - 2 1988

WATER RESOURCES  
ENGINEER  
DIV.

October 28, 1988

Mr. Mel Malley  
Water Resource Engineer  
Colorado Division of Water Resources  
818 Centennial Building  
1313 Sherman Street  
Denver, CO 80203

Dear Mel:

Enclosed is an amended Statement of Beneficial Use of Ground Water and Pump Installation Report for Williams Fork Company (Permit #33422F) as requested by your office on 6/29/88.

Williams Fork Company claims water was first put to beneficial use on the date the well permit was approved (3/30/88).

The Well Completion and Pump Installation Report is partially completed as directed by your office and includes completion of the well test data with permanent pump segment.

As stated in the well permit application form and the Statement of Beneficial Use of Ground Water form, none of the well discharge water is used for irrigation purposes. The water is pumped out of our sand and gravel pit, transported through surface pipe and associated parshall flume, and discharged directly into the Yampa River. Approximate duration of pumping during periods 10/1/87 to 9/30/88 was 300 hours.

If you have any questions, contact William Agnew or me.

Best regards,

H. Bruce Humphries  
Sr. Env. Engineer

WA/jb  
[EQ\WATER1]

Enclosure

pc R.L. Fanyo  
EQ Special Projects Book  
file

14512

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

1. *Phragmites australis* (Cav.) Trin. ex Steud.  
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 10. *Phragmites australis* (Cav.) Trin. ex Steud.

**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

17A  
**RECEIVED**  
**DEC 11 1985**  
WATER RESOURCES  
STATE ENGINEER  
COLO.

**PERMIT APPLICATION FORM****DEC 19 1985**

WATER RESOURCES  
STATE ENGINEER  
COLO.

Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

(X) A PERMIT TO USE GROUND WATER  
(X) A PERMIT TO CONSTRUCT A WELL  
FOR: ( ) A PERMIT TO INSTALL A PUMP

( ) REPLACEMENT FOR NO. \_\_\_\_\_  
( ) OTHER \_\_\_\_\_

WATER COURT CASE NO. \_\_\_\_\_

**(1) APPLICANT - mailing address**NAME Williams Fork CompanySTREET P.O. Box 187CITY Craig CO 81626  
(State) (Zip)TELEPHONE NO. (303) 824-4401**(2) LOCATION OF PROPOSED WELL**County MoffatNW & SW 1/4 of the SW 1/4, Section 16Twp. 6 N, Rng. 91 W, 6th P.M.  
(N.S) (E.W)**(3) WATER USE AND WELL DATA**Proposed maximum pumping rate (gpm) 500 600Average annual amount of ground water to be appropriated (acre-feet): 100.03Number of acres to be irrigated: 0Proposed total depth (feet): 24

Aquifer ground water is to be obtained from: \_\_\_\_\_

Owner's well designation \_\_\_\_\_

**GROUND WATER TO BE USED FOR:**

( ) HOUSEHOLD USE ONLY - no irrigation (0)  
( ) DOMESTIC (1) (X) INDUSTRIAL (5)  
( ) LIVESTOCK (2) ( ) IRRIGATION (6)  
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)

Dust control, material  
(X) OTHER (9) handling and evaporation.

DETAIL THE USE ON BACK IN (11)

**(4) DRILLER**Name NA

Street \_\_\_\_\_

City \_\_\_\_\_ (State) (Zip)

Telephone No. \_\_\_\_\_ Lic. No. \_\_\_\_\_

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 61035 / 10846

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

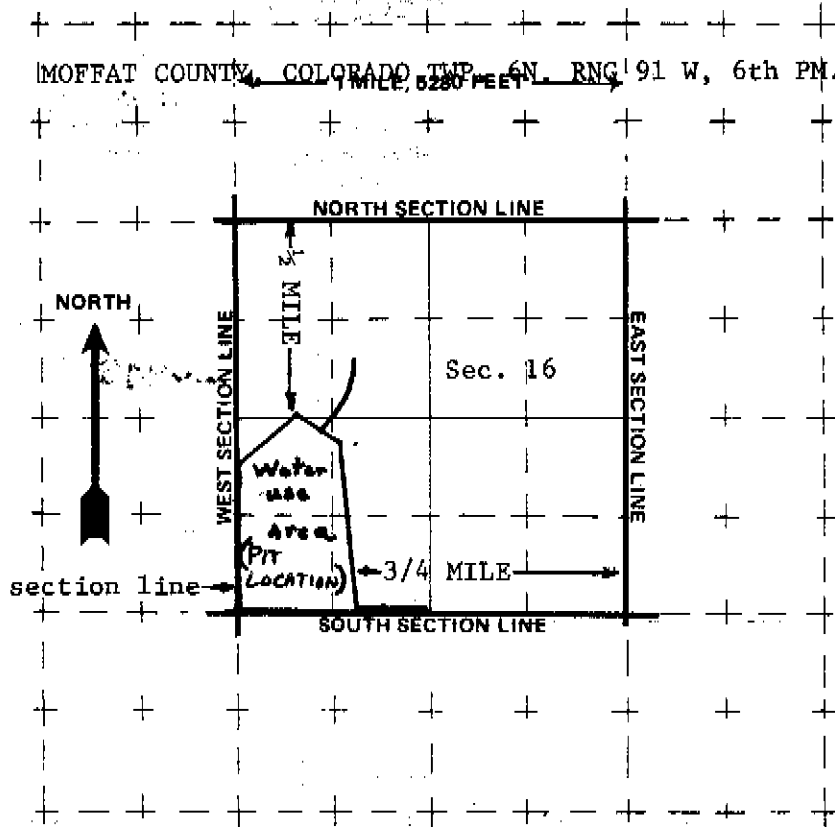
This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

- 1) APPROVED PURSUANT TO C.R.S. 37-90-137(2) FOR THE CONSTRUCTION OF A WELL (GRAVEL PIT) TO APPROPRIATE GROUND WATER TRIBUTARY TO THE YAMPA RIVER AT A POINT WHERE UNAPPROPRIATED WATER IS AVAILABLE FOR WITHDRAWAL.
- 2) THE APPROVAL OF THIS PERMIT DOES NOT GRANT A WATER RIGHT. THIS WELL IS SUBJECT TO ADMINISTRATION BY THE DIVISION ENGINEER.
- 3) A TOTALIZING FLOW METER MUST BE INSTALLED AND MAINTAINED IN GOOD WORKING ORDER. PERMANENT RECORDS OF ALL DIVERSIONS MUST BE MAINTAINED BY THE WELL OWNER (RECORDED AT LEAST ANNUALLY) AND SUBMITTED TO THE DIVISION ENGINEER UPON REQUEST.
- 4) THE MAXIMUM PUMPING RATE OF THIS WELL SHALL NOT EXCEED 500 G.P.M. 600 gpm max after 1/29/88
- 5) THE ANNUAL AMOUNT OF GROUND WATER TO BE APPROPRIATED BY THIS WELL SHALL NOT EXCEED 100.03 ACRE-FEET.
- 6) THE USE OF THIS WELL IS LIMITED TO CONSTRUCTION OF A GRAVEL PIT AND USE OF GROUND WATER FOR ASSOCIATED MINING OPERATIONS WITHIN THE W1/2 - SW1/4 OF SECTION 16.
- 7) THIS WELL SHALL BE LOCATED AT LEAST 600 FEET FROM ANY OTHER WELL.
- 8) THE OWNER SHALL MARK THE WELL IN A CONSPICUOUS PLACE WITH APPROPRIATE WELL PERMIT NUMBER. THEY SHALL TAKE NECESSARY MEANS AND PRECAUTIONS TO PRESERVE THESE MARKINGS.

XVH 3-30-88

**APPLICATION APPROVED**PERMIT NUMBER 033422 - FDATE ISSUED MAR 30 1988EXPIRATION DATE MAR 30 1989BY Steve A. Danilson (STATE ENGINEER)BY Steve LautermilagerI.D. 6-44 COUNTY 71

(5) **THE LOCATION OF THE PROPOSED WELL** and the area on which the water will be used must be indicated on the diagram below. Use the **CENTER SECTION**, (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)  
A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) **THE WELL MUST BE LOCATED BELOW** by distances from section lines.

\_\_\_\_\_ ft. from \_\_\_\_\_ sec. line  
(north or south)  
\_\_\_\_\_ ft. from \_\_\_\_\_ sec. line  
(east or west)  
LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING # \_\_\_\_\_  
SUBDIVISION \_\_\_\_\_

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: State of Colorado

No. of acres 100 Will this be the only well on this tract? \_\_\_\_\_

(8) **PROPOSED CASING PROGRAM**

Plain Casing

NA \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforated casing

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(9) **FOR REPLACEMENT WELLS** give distance and direction from old well and plans for plugging it:

NA

(10) **LAND ON WHICH GROUND WATER WILL BE USED:**

Owner(s): State of Colorado No. of acres: 100  
Legal description: SW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Sec. 16, T6N, R91W and NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Sec. 16, T6N, R91W.

(11) **DETAILED DESCRIPTION** of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used. Fugitive dust control as required by Colorado Department of Health, losses

due to material handling and evaporation. Well is actually sand & gravel pit.

(12) **OTHER WATER RIGHTS** used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right	Used for (purpose)	Description of land on which used

(13) **THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.**

J.D. Edwards  
SIGNATURE OF APPLICANT(S)

**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

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**DEC 11 1985**  
WATER RESOURCES  
STATE - ENGINEER  
COLOR.

**PERMIT APPLICATION FORM**

Application must be complete where applicable. Type or print in BL INK. No over or erasures initialed.

**Best Copy Available**

FOR: ☒ (X) A PERMIT TO USE GROUND WATER  
☒ (X) A PERMIT TO CONSTRUCT A WELL  
☐ ( ) A PERMIT TO INSTALL A PUMP

**RECEIVED**  
**DEC 19 1985**  
WATER RESOURCES  
STATE - ENGINEER  
COLOR.

☐ ( ) REPLACEMENT FOR NO. \_\_\_\_\_  
☐ ( ) OTHER \_\_\_\_\_

WATER COURT CASE NO. \_\_\_\_\_

**(1) APPLICANT - mailing address**

NAME Williams Fork Company  
STREET P.O. Box 187  
CITY Craig CO CO 81626  
(State) (Zip)  
TELEPHONE NO. (303) 824-4401

**(2) LOCATION OF PROPOSED WELL**

County Moffat  
NW & SW 1/4 of the SW 1/4, Section 16  
Twp. 6 N, Rng. 91 W, 6th P.M.  
(N,S) (E,W)

**(3) WATER USE AND WELL DATA**

Proposed maximum pumping rate (gpm) 500 600  
Average annual amount of ground water to be appropriated (acre-feet): 100.03  
Number of acres to be irrigated: 0  
Proposed total depth (feet): 24  
Aquifer ground water is to be obtained from: \_\_\_\_\_

Owner's well designation \_\_\_\_\_

**GROUND WATER TO BE USED FOR:**

☐ ( ) HOUSEHOLD USE ONLY - no irrigation (0)  
☐ ( ) DOMESTIC (1) ☒ (X) INDUSTRIAL (5)  
☐ ( ) LIVESTOCK (2) ☐ ( ) IRRIGATION (6)  
☐ ( ) COMMERCIAL (4) ☐ ( ) MUNICIPAL (8)  
Dust control, material  
☒ (X) OTHER (9) handling and evaporation.

DETAIL THE USE ON BACK IN (11)

**(4) DRILLER**

Name NA  
Street \_\_\_\_\_  
City \_\_\_\_\_ (State) (Zip)  
Telephone No. \_\_\_\_\_ Lic. No. \_\_\_\_\_

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 61035 / 10846  
Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant 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.

- 1) APPROVED PURSUANT TO C.R.S. 37-90-137(2) FOR THE CONSTRUCTION OF A WELL (GRAVEL PIT) TO APPROPRIATE GROUND WATER TRIBUTARY TO THE YAMPA RIVER AT A POINT WHERE UNAPPROPRIATED WATER IS AVAILABLE FOR WITHDRAWAL.
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- 4) THE MAXIMUM PUMPING RATE OF THIS WELL SHALL NOT EXCEED 600 G.P.M. 600 gpm see letter 9/29/85
- 5) THE ANNUAL AMOUNT OF GROUND WATER TO BE APPROPRIATED BY THIS WELL SHALL NOT EXCEED 100.03 ACRE-FEET.
- 6) THE USE OF THIS WELL IS LIMITED TO CONSTRUCTION OF A GRAVEL PIT AND USE OF GROUND WATER FOR ASSOCIATED MINING OPERATIONS WITHIN THE W1/2 - SW1/4 OF SECTION 16.
- 7) THIS WELL SHALL BE LOCATED AT LEAST 600 FEET FROM ANY OTHER WELL.
- 8) THE OWNER SHALL MARK THE WELL IN A CONSPICUOUS PLACE WITH APPROPRIATE WELL PERMIT NUMBER. THEY SHALL TAKE NECESSARY MEANS AND PRECAUTIONS TO PRESERVE THESE MARKINGS.

**APPLICATION APPROVED**

PERMIT NUMBER 033422 - F  
DATE ISSUED MAR 30 1988  
EXPIRATION DATE MAR 30 1989  
John A. Danilson  
(STATE ENGINEER)  
BY Steve Lautermilch  
I.D. 6-44 COUNTY 44



Rec # 3659302B

PMS 77458F

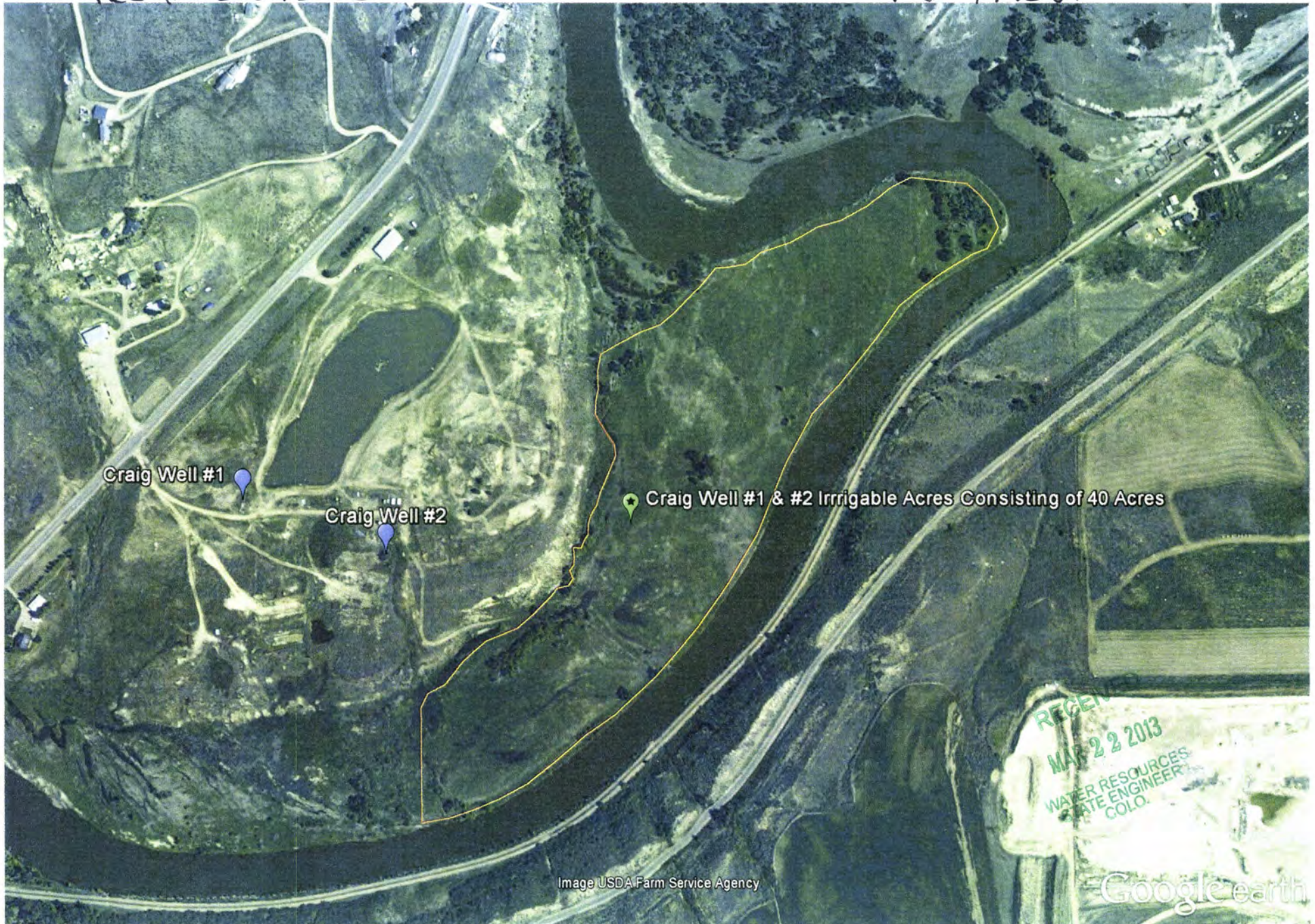


Image USDA Farm Service Agency

Google Earth

Google Earth Pro

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Form No.  
GWS-25

**OFFICE OF THE STATE ENGINEER  
COLORADO DIVISION OF WATER RESOURCES**

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

EXST

**WELL PERMIT NUMBER** 77458 -F  
**DIV. 6** **WD 44** **DES. BASIN** **MD**

**APPLICANT**

RANDY D & JAY J BOOCO  
PO BOX 572  
HAYDEN, CO 81639-

(970) 276-3887

**APPROVED WELL LOCATION**

MOFFAT COUNTY

SE 1/4 SE 1/4 Section 9

Township 6 N Range 91 W Sixth P.M.

**DISTANCES FROM SECTION LINES**

610 Ft. from South Section Line

140 Ft. from East Section Line

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

Easting: 279586 Northing: 4484961

**CHANGE/EXPANSION OF USE OF AN EXISTING WELL**

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

**CONDITIONS OF APPROVAL**

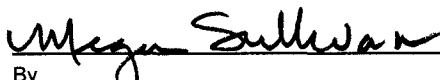
- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The 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 37-90-137(2) for the change/expansion of use of an existing well, permit no. 10867-R (canceled), to divert ground water tributary to the Yampa River at a point where unappropriated water is available for withdrawal.
- 4) The pumping rate of this well shall not exceed 224.4 GPM (0.5 c.f.s.).
- 5) The annual amount of ground water to be withdrawn shall not exceed 85.82 acre-feet.
- 6) The use of ground water from this well is limited to commercial sale of water for industrial and commercial purposes (20.50 acre-feet), irrigation (44.09 acre-feet), commercial (1.0 acre-feet), domestic use including up to one acre of lawn and garden irrigation per lot, on 29 lots of Fox Pointe subdivision (8.7 acre-feet), and the evaporation from a pond known as Fox Point Pond 2, with a surface area of 4 acres (11.53 acre-feet).
- 7) The approval of this permit does not grant a water right. This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.
- 8) The owner shall mark the well in a conspicuous place with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.
- 9) A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Division Engineer upon request.
- 10) This well shall be located not more than 200 feet from the location specified on this permit and at least 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant.

NOTE: This well was decreed as CRAIG NO. 2 in Division 6 Water Court case no. W-194. This well was decreed for 0.5 cfs (224.4 gallons per minute).

APPROVED  
MAS

  
State Engineer

By



Receipt No. 3659302B

DATE ISSUED 08-09-2013

EXPIRATION DATE 08-09-2014

<p><b>COLORADO DIVISION OF WATER RESOURCES</b>  <b>DEPARTMENT OF NATURAL RESOURCES</b>          1313 SHERMAN ST. RM 821, DENVER, CO 80203          Main: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us</p> <p><b>GENERAL PURPOSE</b>  <b>Water Well Permit Application</b>          Review instructions on reverse side prior to completing form.          The form must be computer generated, typed or in black or blue ink.</p>	<p>Office Use Only</p> <div style="text-align: right;">Form GWS-45 (04 2012)</div> <div style="text-align: center;"> <p><b>RECEIVED</b></p> <p><b>MAR 22 2013</b></p> <p>WATER RESOURCES STATE ENGINEER COLO.</p> </div> <div style="text-align: right;"> <p><b>RECEIVED</b></p> <p><b>JUL 22 2013</b></p> <p>WATER RESOURCES STATE ENGINEER COLO.</p> </div>
<p><b>1. Applicant Information</b>          Name of applicant:  <u>Randy D. &amp; Joy J. Booco</u>          Mailing address:  <u>PO Box 572</u>  <u>Hayden</u> <u>CO</u> <u>81639</u>          Telephone #, area code &amp; number: <u>970-276-3887</u>          E-mail address (if required):</p>	<p><b>6. Use Of Well (check applicable boxes)</b>          Attach a detailed description of uses applied for</p> <p> <input checked="" type="checkbox"/> Industrial      <input type="checkbox"/> Dewatering System  <input type="checkbox"/> Municipal      <input checked="" type="checkbox"/> Geothermal (production or reinjection)  <input checked="" type="checkbox"/> Irrigation      <input checked="" type="checkbox"/> Other (describe): <u>Domestic</u>  <input checked="" type="checkbox"/> Commercial      <u>Fox Pointe Subdiv. Plat Approved 2010</u> </p>
<p><b>2. Type Of Application (check applicable boxes)</b></p> <p> <input type="checkbox"/> Construct new well      <input type="checkbox"/> Use existing well  <input type="checkbox"/> Replace existing well      <input checked="" type="checkbox"/> Change or increase use  <input type="checkbox"/> Change source (aquifer)      <input type="checkbox"/> Reapplication (expired permit)  <input type="checkbox"/> COGCC Well      <input type="checkbox"/> Other         </p>	<p><b>7. Well Data (proposed)</b>          Maximum pumping rate: <u>224.4</u> gpm      <u>110.79</u> acre-feet          Total depth: <u>144</u> feet      <u>unknown</u> feet</p>
<p><b>3. Refer To (if applicable)</b>          Permit # <u>10867-R</u>      State Court case # <u>W-194</u>          Designated Basin Determination # <u>Craig No. 2</u></p>	<p><b>8. Land On Which Ground Water Will Be Used</b>          Legal Description of Land (may be provided as an attachment):  <u>Portions of Moffat, Routt and Rio Blanco Counties with excess flows being used on Subject Property.</u>          (If used for irrigation, attach a scaled map that shows irrigated area.)          A. # Acres <u>40</u>      B. Cont. <u>applicant</u>          C. List any other wells or water rights used on the land:         </p>
<p><b>4. Location Of Proposed Well</b>          County: <u>Moffat</u>      Township: <u>6</u>      Range: <u>91</u>      Section: <u>6</u>          Distance of well from section lines (section lines are 660 ft apart, except for property lines):          From <u>N</u> <u>140</u> feet      From <u>E</u> <u>6</u> feet          For replacement wells only - distance and direction from old well to new well:          feet      direction          Well location address (include City, State Zip): <u>27360 Highway 13 South Craig CO 81625</u>          Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows:          Format must be UTM:  <input type="checkbox"/> Zone 12      <input checked="" type="checkbox"/> Zone 13      Easting: <u>279586.458</u>          Units must be Meters      Northing: <u>4484960.74</u>          Datum must be NAD83      <input type="checkbox"/> YES      Remember to set Datum to NAD83         </p>	<p><b>9. Proposed Well Driller License #(optional):</b></p> <p><b>10. Sign or Entered Name Of Applicant(s) 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.          Sign or enter names of persons submitting application      Date (mm/dd/yyyy): <u>3/20/13</u>  <u>Randy D. &amp; Joy J. Booco</u>  <u>Randy D + Joy J Booco</u> </p>
<p><b>5. Parcel On Which Well Will Be Located</b>          (PLEASE ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)          A. Legal Description (may be provided as an attachment):  <u>Portions of sections 9, 10, 15 T6N R91W at 6E P.M.</u>  <u>&amp; see Deed</u>          B. # of acres in parcel: <u>177.790</u>      C. Owner: <u>applicant</u>          D. Is this the only well on this parcel? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO      If no, list other wells: <u>10866-R</u>          E. State Parcel ID (optional):         </p>	<p>Office Use Only</p> <p>LGSS map name: <u>non critical</u>      DNR record: <u>Evap-40"</u>          DEED-<input checked="" type="checkbox"/>      Receipt area only: <u>STA-Craig 4SW</u>  <u>FOX POINTE SUBDIV.</u>  <u>PLAT APPROVED 2010</u>  <u>600' SP NOT PROVIDED - OKAY STATEMENT RECD</u>  <u>GEOTHERMAL - SEPARATE PLAT - \$480 fee - WITH DRAWN</u>  <u>INDUSTRIAL - CONTRACTS? NOT FOR</u>  <u>AQUAPAR HYDROPOWER - NEED USE ON PROPERTY</u>  <u>WE LOCATION AGREES</u>          TRANSACTION # <u>3659302</u>          DATE <u>3/22/2013</u>      TIME <u>1:42:24 PM</u>          CHECK # <u>12538</u>      TRANSACTION TOTAL <u>\$200.00</u>          TOPS (AQUAPAR LOCATION)      CHECK # <u>12538</u>      TRANSACTION TOTAL <u>\$200.00</u>          SEAL      BY <u>JOY J. BOOCO</u>      SA <u>JOY J. BOOCO</u>          SEE         </p>

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Pmt 77458 F

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Beneficial Use	Craig Well No. 1 Acre Feet	Craig Well No. 2 Acre Feet	Totals Acre Feet
Industrial	40.87	20.50	61.37 *
Irrigation	87.91	44.09	132 **
Commercial	2.0	1.0	3.0
Geothermal	<del>2.5</del>	<del>1.5</del>	<del>4.0</del> N/A
Domestic	34.8	8.7	43.5 ***
Hyropower	<del>2.5</del>	<del>1.0</del>	<del>3.5</del> N/A
Fox Point Pond 1	56.95 19.32 cnap		56.95 19.32 cnap
Fox Point Pond 2		34 11.53 cnap	34 11.53
Total Acre Feet	227.53 184.9	110.79 85.82	338.32 278.22 } change to exp-

\* Based on 20,000,000 gallons of water divided by 325,851.43 gallons per Acre Foot (10 oil/gas wells to supply water for drilling and completion at 2,000,000 gallons per well)

\*\* Based on 1 cfs for 40 acres (40 x 1.65 = 66 acre feet) (50% effectiveness x2) = 132 acre feet

\*\*\* Based on 29 home sites at 1.5 acre foot per household including 1 acre of irrigation

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Evaporation Tables		Booco - Fox Point Pond No. 2		Rec 3659302 <del>A</del> B				
Station	CRAIG 4 SW.USC00051932.NOAA (1977-1 to 2013-12)							
Below 6500 feet								
	Effective Precip.	=	0.7 x Total Precip.					
	Total Evaporation	=	40 inches					
	Total Precipitation	=	0 inches					
	Surface Area	=	4 acres					
	# Ponds	=	1		Effective			
Month	% Distribution	Evaporation Distribution (in.)	Station Precip. (in.)	% Distribution	Site Precip. Distribution (in.)	Temp. °F	Net Depletion (in.)	Total Depletion (A-F)
Jan	3.0	1.20	0	0.0	0.00	18	0.00	0.00
Feb	3.5	1.40	0	0.0	0.00	23	0.00	0.00
Mar	5.5	2.20	0	0.0	0.00	33	2.20	0.73
Apr	9.0	3.60	0	0.0	0.00	43	3.60	1.20
May	12.0	4.80	0	0.0	0.00	51	4.80	1.60
Jun	14.5	5.80	0	0.0	0.00	61	5.80	1.93
Jul	15.0	6.00	0	0.0	0.00	68	6.00	2.00
Aug	13.5	5.40	0	0.0	0.00	66	5.40	1.80
Sep	10.0	4.00	0	0.0	0.00	57	4.00	1.33
Oct	7.0	2.80	0	0.0	0.00	45	2.80	0.93
Nov	4.0	1.60	0	0.0	0.00	32	0.00	0.00
Dec	3.0	1.20	0	0.0	0.00	20	0.00	0.00
Total	100.0	40.00	0		0.00		34.60	11.53
Enter zero for Precipitation unless estimating evaporative depletions for a gravel pit or an on-channel reservoir. See Policy 2004-3, CRS 37-84-117(5), CRS 37-80-120(5) & CRS 37-92-305(112)(a).								
Depletions need not be replaced for months in which the average monthly temperature is 32°F or less.								



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July 18, 2013

Department of Natural Resources  
Division of Water Resources  
1313 Sherman Street, Suite 818  
Denver, CO 80203

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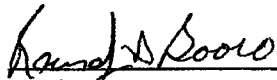
RE: Craig No. 1 and Craig No. 2 (permit nos. 10866-R and 10867-R)


Dear Ms. Sullivan,

Per the request in your letter dated June 21, 2013 pertaining to the above well permits and applications for amendment, this letter shall serve as our Statement of Notification that no wells exist within 600 feet of the Craig No. 1 and the Craig No. 2 wells.

This should satisfy the provisions of Colorado Revised Statute 37-90-137(2).

Randy and Joy Booco  
PO Box 572  
Hayden, CO 81639

 7/18/13  
Randy Booco Date

 7/18/13  
Joy Booco Date

Rec # 3659302B PMT 77458 F  
**BOOCO'S CONTRACT SERVICES, INC.**

---

PO Box 572  
40450 Shelton Lane  
Hayden, CO 81639  
970-276-3887 Phone  
970-276-4210 Fax

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**July 15, 2013**

This contract is between Randy & Joy Booco and Booco's Contract Services, Inc. continuing for the year 2013.

Randy & Joy Booco will furnish an unlimited amount of water from Craig Wells 1 & 2 to be used as Booco's Contract Services, Inc. deems necessary.

Randy & Joy Booco  
P.O. Box 572  
Hayden, CO 81639

By: Randy Booco

Signature: Randy Booco  
Date: 7/15/2013

Booco's Contract Services, Inc.  
P.O. Box 572  
Hayden, CO 81639

By: Joy Booco  
Signature: Joy Booco  
Date: 7/15/13

Rec 3659302 B PMT 77458F  
BOOCO'S CONTRACT SERVICES, INC.

PO Box 572  
40450 Shelton Lane  
Hayden, CO 81639  
970-276-3887 Phone  
970-276-4210 Fax

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July 15, 2013

This contract is between Booco's Contract Services, Inc. and Herod Industries continuing for the year 2013.

Booco's Contract Services, Inc. will furnish up to 50,000 (Fifty Thousand) Bbls. of water to be used as Herod Industries deems necessary.

This contract may be amended to increase Volume of water as needed on through 2015.

Note: Water purchased by Herod Industries in 2012 was 268,000 (Two Hundred Sixty Eight Thousand) Bbls.

Water Purchased by Herod Industries in 2011 was 55,000 (Fifty Five Thousand) Bbls.

Water Purchased by Herod Industries in 2010 was 58,000 (Fifty Eight Thousand) Bbls.

Water Purchased by Herod Industries in 2009 was 19,000 (Nineteen Thousand) Bbls.

Booco's Contract Services, Inc.  
P.O. Box 572  
Hayden, CO 81639

By: Randy D. Booco

Signature: Randy D. Booco

Date: 7/15/2013

Herod Industries  
P.O. Box 1592  
Craig, CO 81626

By: Carey Herod president

Signature: Carey Herod

Date: 7-15-13

Rec # 3659302 B  
BOOCO'S CONTRACT SERVICES, INC.

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PO Box 572  
40450 Shelton Lane  
Hayden, CO 81639  
970-276-3887 Phone  
970-276-4210 Fax

July 15, 2013

This contract is between Booco's Contract Services, Inc and Quicksilver Resources, Inc. for the year 2013.

Booco's Contract Services, Inc. will furnish up to 50,000 (Fifty Thousand) Bbls. of water to be used as Quicksilver Resources, Inc deems necessary.

This contract may be amended to increase Volume of water as needed on through 2015.

Booco's Contract Services, Inc.  
P.O. Box 572  
Hayden, CO 81639

By: Randy D. Booco

Signature: Randy D. Booco  
Date: 7-16-13

Quicksilver Resources, Inc.  
P.O. Box 2347  
Fort Worth, TX 76113

By: Cam G. Bowers

Signature: Cam G. Bowers  
Date: 7-16-13

20082187  
1 of 1

5/23/2008 8:00 AM  
SUBPLAT RS11.00 DS0.00

Elaine Sullivan  
Moffat County Clerk

Rec 3659302B  
PMT 77458F

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# PLAT

**INSTRUMENT NO:** 20082187

**DATE.....:** May 23, 2008

**DRAWER/  
PLAT CABINET....:** filed in the plat case

**PAGE.....:** 1 page

**NAME OF PLAT:**

Fox Pointe

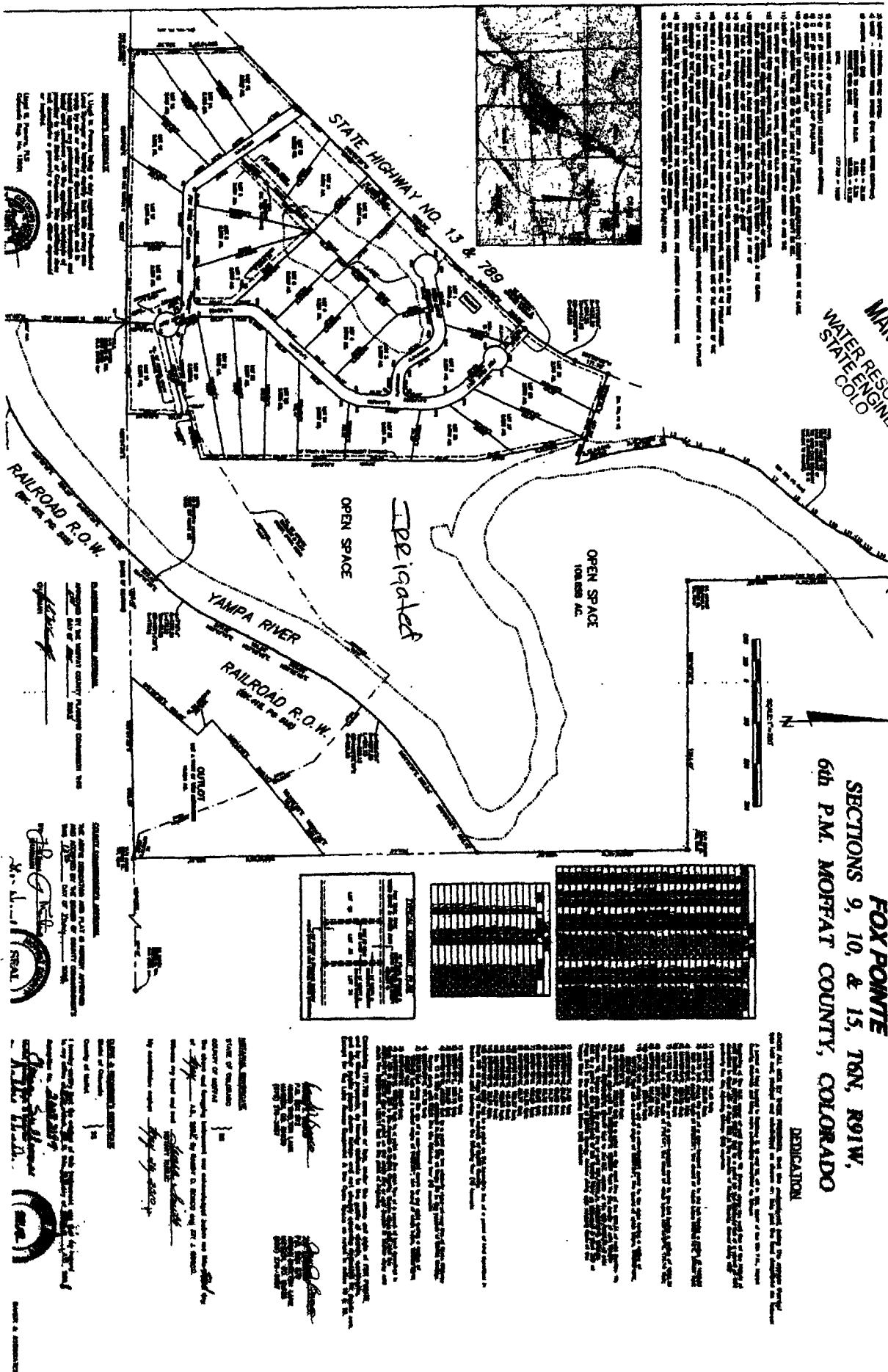
Section 9, 10+15 T6N R91W

Randy D Boers Joy J Boers

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Reception - 20082187

FOX POINTE  
SECTIONS 9, 10, & 15, T6N, R91W,  
6th P.M. MOFFAT COUNTY, COLORADO





## ZONE CHANGE RESOLUTION

**WHEREAS**, pursuant to the provisions of Article VI (Section 600 et seq.) of the Moffat County Zoning Resolution, Randy and Joy Booco filed on February 13, 2008, an application for zone change, and

**WHEREAS**, Application #R-08-01 purposes that the following described real property situate in Moffat County be rezoned as follows:

From Agriculture to Rural Residential:

A parcel of land located in Sections 9, 10 and 15, all in T6N, R91W of the 6th P.M., Moffat County, Colorado and being more particularly described as follows:

Beginning at the N.W. corner of said Section 15; thence along the west line of the NW1/4 of said Section 15, S01°41'48"W, 682.11 feet to a point on the northerly line of a parcel of land described in Book 415 at Page 518 in the records of Moffat County; thence along said northerly line the following thirteen (13) courses:

- 1) N78°50'50"E, 11.48 feet;
- 2) N76°14'07"E, 326.28 feet;
- 3) 330.73 feet along the arc of a non-tangent curve to the left having a radius of 1156.23 feet and a central angle of 16°23'21", the chord of which bears N62°42'12"E, 329.61 feet;
- 4) N49°10'18"E, 326.28 feet;
- 5) N46°33'34"E, 360.55 feet;
- 6) N44°41'35"E, 277.42 feet;
- 7) 176.22 feet along the arc of a non-tangent curve to the left having a radius of 1382.39 feet and a central angle of 7°18'14", the chord of which bears N37°14'27"E, 176.10 feet;
- 8) N29°47'19"E, 277.42 feet;
- 9) N27°55'19"E, 161.84 feet;
- 10) N29°32'49"E, 262.04 feet;
- 11) 511.73 feet along the arc of a non-tangent curve to the right having a radius of 1577.89 feet and a central angle of 18°34'54", the chord of which bears, N42°02'10"E, 509.49 feet;
- 12) N54°31'31"E, 262.04 feet;
- 13) N56°09'00"E, 362.12 feet to a point on the east line of the SW1/4 of said Section 10; thence along said east line N00°16'43"W, 1022.81 feet to the center of said Section 10; thence N89°40'22"W, 1314.47 feet to the S.E. corner of the SW1/4NW1/4 of said Section 10; thence along the east line of said SW1/4NW1/4, N00°25'30"W, 1009.65 feet to a point on the westerly bank of the Yampa River as described in Book 390 at Page 244 in the records of Moffat County; thence along said westerly bank of the Yampa River the following fifteen (15) courses:

- 1) N87°08'06"W, 21.65 feet;
- 2) S58°03'04"W, 60.09 feet;
- 3) S25°04'12"W, 99.53 feet;
- 4) S38°37'54"W, 64.31 feet;
- 5) S44°49'53"W, 53.72 feet;
- 6) S24°54'05"W, 59.95 feet;
- 7) S30°01'18"W, 102.59 feet;
- 8) S36°40'09"W, 124.28 feet;
- 9) S40°06'24"W, 89.77 feet;
- 10) S40°06'12"W, 188.37 feet;
- 11) S27°03'15"W, 141.48 feet;
- 12) S16°02'09"W, 108.38 feet;
- 13) S12°19'15"W, 114.54 feet;
- 14) S49°57'39"W, 38.24 feet;
- 15) S11°24'42"W, 90.91 feet to a point on the boundary line of a parcel of land described in Book 309 at Page 15 in the records of Moffat County; thence along said boundary line the following four (4) courses:
- 1) N82°59'39"E, 41.33 feet;
- 2) S08°31'21"E, 227.10 feet;
- 3) S16°04'21"E, 210.00 feet;
- 4) N71°06'21"W, 467.50 feet to a point on the easterly right-of-way line of State Highway No. 13 & 789 as described in Book 379 at Page 39 in the records of Moffat County; thence along said R.O.W. line the following four (4) courses:

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- 1) S22°59'09"W, 171.70 feet;
- 2) 294.25 feet along the arc of a non-tangent curve to the right having a radius of 1532.50 feet and a central angle of 11°00'04", the chord of which bears, S33°06'39"W, 293.80 feet;
- 3) S43°14'09"W, 362.00 feet;
- 4) S45°36'39"W, 1586.29 feet to a point on the east line of a parcel of land described in Book 434 at Page 301 in the records of Moffat County; thence along said east line S00°13'01"E, 539.79 feet to a point on the south line of said Section 9; thence along said south line S88°58'09"E, 1323.11 feet to the point of beginning.

Containing 177.790 acres more or less.

The south line of the SW1/4 of said Section 10 is considered to bear N89°24'38"E between G.L.O. Brass Caps.

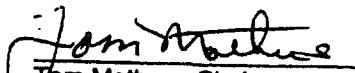
**AND WHEREAS**, the Moffat County Planning Commission did recommend that the changes be approved by the Board of County Commissioners of Moffat County, Colorado; and

**WHEREAS**, a public hearing on this application was held by the Board of County Commissioners of the County of Moffat, State of Colorado on March 11, 2008, at 11:30 a.m. after due notice by publication in the Northwest Colorado Daily Press on the 18th day of February 2008.

**NOW THEREFORE BE IT RESOLVED** that the Moffat County Board of Commissioners does hereby approve and grant a zone change for the above described real property and that said zone change shall be filed with the Moffat County Clerk and Recorder, and that the Official Zoning map of Moffat County shall be amended accordingly.

**PASSED, ADOPTED AND APPROVED** by a vote of 3 to 0 by the Moffat County Board of County Commissioners of Moffat County, Colorado on this 11 day of March, 2008.

BOARD OF COUNTY COMMISSIONERS  
MOFFAT COUNTY, COLORADO

  
Tom Mathers, Chair

State of Colorado )  
County of Moffat ) ss.

20081024  
2 of 2

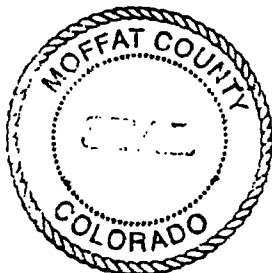
3/11/2008 10:50 AM  
RES R\$0.00 D\$0.00

Elaine Sullivan  
Moffat County Clerk

I, J. Elaine Sullivan, Moffat County Clerk and Ex-officio to the Moffat County Board of County Commissioners, do hereby certify that the above and foregoing is a true and complete copy of the resolution as adopted by the Board of County Commissioners on the date stated above.

Witness my hand and the seal of said County this 11 day of March, 2008.

By:   
Deputy Clerk



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6-28-96 16:50  
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WARRANTY DEED

FILE DATE: 06/28/1996 FILE TIME: 08:00 PAGE #: 0001 OF 0009  
MOFFAT COUNTY, JESSIE ROWLEY - COUNTY CLERK & RECORDER REC #: 1996L 2385 \*\*

STATE OF COLORADO §  
§  
COUNTY OF MOFFAT §  
KNOW ALL PERSONS BY THESE PRESENTS.

THAT, Karnat, Inc., a Texas corporation, ("Grantor"), for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable consideration paid by Randy D. Booco ("Grantee"), the receipt and sufficiency of which are hereby acknowledged and confessed, has GRANTED, BARGAINED, SOLD, and CONVEYED and by these presents does GRANT, BARGAIN, SELL, and CONVEY unto Grantee, that certain tract or parcel of land located in Moffat County, Colorado, containing approximately 170.26 acres, as more particularly described by metes and bounds in Exhibit "A" attached hereto and incorporated herein by this reference, including buildings, structures and other improvements. The land and improvements described in this paragraph are herein collectively referred to as the "Property" which is subject to the Easement and Right-of-Way for Pipeline, 50 feet in width, the centerline of which is described on Exhibit "B" hereto.

\*and Joy J. Booco, as joint tenants

There is hereby excepted from this conveyance all right, title and interest in and to all minerals and the equipment, fixtures, machinery, materials, lease and well equipment and other personal property and fixtures of whatever kind or character located on, used or to be used in connection with developing the minerals (including, without limitation, wells, wellbores, wellhead equipment, separators, meters, gauges, flowlines, pumpjacks and pump units, buildings, injection facilities, saltwater disposal facilities, compression facilities, pipelines, gathering systems tank batteries and all other equipment inventory, material, supplies, goods, merchandise, tools, accessories and implements thereto), all permits, franchises, licenses, roadways, rights-of-way, easements and other appurtenances now being used or held for use in connection with or otherwise related to the exploration, development of the minerals or being used or held for use in connection with the production, treatment, storage, transportation or marketing of oil, gas and/or other minerals produced therefrom.

TO HAVE AND TO HOLD the Property and the related rights described on Exhibit "A" ("Related Rights") unto Grantee, his heirs, and assigns, forever, and Grantor does hereby bind itself, its successors and assigns, to WARRANT AND FOREVER DEFEND, all and singular the title to the Property unto Grantee, his heirs and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, subject to the limitations and reservations set forth on Exhibit "A" attached hereto. Ad valorem taxes for the current year have been prorated as of the date hereof and payment thereof is assumed by Grantee. It is hereby expressly provided that no covenant or warranty on the part of Grantor, for Grantor or Grantor's successors or assigns, regarding the Related Rights is made or is implied to be made to Grantee, Grantee's heirs and assigns, by this sale and conveyance.

FILE DATE: 06/28/1996 FILE TIME: 08:00  
MOFFAT COUNTY, JESSIE MOFFAT - COUNTY CLERK & RECORDER

PAGE #: 0002 OF 0009  
REC #: 1996L 2385

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Grantor shall indemnify, defend and hold harmless the Grantee from and against any and all liabilities, claims, damages, losses, demands, judgments, settlements, fines, penalties, attorney's fees and any and all other losses, including losses resulting from the environmental condition of the subject Property arising out of, in connection with or resulting from the ownership or production of the minerals.

Grantee's address is P. O. Box 572, Hayden Colorado 81639.

EXECUTED as of the 25 day of JUNE, 1996.

GRANTOR

KARNAT, INC.

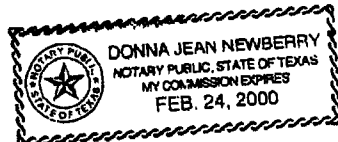


By: R. Craig Ponder  
Name: R. Craig Ponder  
Title: President

STATE OF TEXAS §  
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared R. Craig Ponder, PRESIDENT of Karnat, Inc., a Texas corporation, and acknowledged to me that he executed same for the purposes and consideration therein expressed on behalf of said corporation

Given under my hand and seal of office this 25 day of JUNE, 1996.



Donna Jean Newberry  
NOTARY PUBLIC, in and for  
The State of TEXAS

Situated in the County of Moffat, Colorado:

TOWNSHIP 6 NORTH, RANGE 91 W. THE 6TH PRINCIPAL MERIDIAN

SECTION 9: LOTS 9 AND 16  
 SECTION 10: LOTS 4, 5, NW $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ SW $\frac{1}{4}$   
 SECTION 15: NW $\frac{1}{4}$ NW $\frac{1}{4}$

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EXCEPTING THEREFROM, THE FOLLOWING DESCRIBED TRACTS, (1) THROUGH (9):

- (1) - A tract of land in Sections 9 and 10, T6N, R91W: Beginning at Corner #1, which corner is the West one quarter corner of Section 10, T6N, R91W of the 6th P.M. in Moffat County, Colorado; thence S.43°26'E., 295.55 feet to Corner #2; thence S.12°04'W., 85.86 feet to Corner #3; thence S.21°59'W., 113.15 feet to Corner #4; thence S.32°23'W., 92.78 feet to Corner #5; thence N.24°09'W., 366.41 feet to Corner #6; thence N.45°15'W., 209.65 feet to Corner #7; thence N.89°47'E., 206.47 feet to Corner #1, the point of beginning, and containing 1.79 acres, of which 0.56 acres is in Section 9 and 1.23 acres is in Section 10, as conveyed from Mills M. Craig and Alma D. Craig to E. W. Pugh by Deed dated June 6, 1960 and recorded June 6, 1960 in Book 232 at Page 113;
- (2) - Beginning at Corner Number 2 at which point the West Quarter Corner of Section 10, Township 6 North, Range 91 West of the 6th P.M. bears North 59°23' West 307 feet; thence South 0° 56' East, 92 feet to Corner Number 3; thence South 17°02' West, 111 feet to Corner Number 4; thence South 72°26' East, 556 feet to Corner Number 5; thence North 17° 24' West, 210 feet to Corner Number 6; thence North 9°51' West, 220 feet to Corner Number 1; thence South 81°40' West, 400 feet, to Corner Number 2, the Point of Beginning, as conveyed from Mills M. Craig and Alma D. Craig to Walter R. Herod and Alice E. Herod by Deed dated May 3, 1962 and recorded January 9, 1963 in Book 309 at Page 15;
- (3) - beginning at a point on the West line of Lot 16, Sec. 9, from which the SE Corner of Sec. 9 bears S.68°31'30" E., a distance of 1,442.5 feet;
  1. Thence N.44°17'E., a distance of 1,593.3 feet;
  2. Thence N.41°54'30" E., a distance of 254.9 feet, to the east line of Sec. 9;
  3. Thence N.1°50'30" W., along the East line of Sec. 9 a distance of 314.5 feet;
  4. Thence along the arc of a curve to the right having a radius of 1,332.5 feet, a distance of 137.4 feet (the chord of this arc bears S.34°19'30"W., a distance of 137.4 feet);
  5. Thence S.41°59'30"W., a distance of 337.6 feet;
  6. Thence S.44°17'W., a distance of 1,400.2 feet, to the West line of Lot 16, Sec. 9;
  7. Thence S.1°44'E., along the West line of Lot 16, Sec. 9 a distance of 277.9 feet, more or less, to the point of beginning.

Beginning at a point on the South line of the Long property in Lot 5, Sec. 10, from which the W $\frac{1}{4}$  Corner of Sec. 10 bears N.39°48'W., a distance of 496.2 feet;

1. Thence N.72°26'W., along the South line of the Long property, a distance of 88.5 feet, to the SW Corner of the Long property.
2. Thence N.17°02'E., along the west line of the Long property, a distance of 111.0 feet;
3. Thence N.0°56'W., continuing along the west line of the Long property, a distance of 92.0 feet to the NW corner of the Long property;
4. Thence N.81°40'E., along the north line of the Long property a distance of 194.8 feet;
5. Thence N.42°12'E., a distance of 154.0 feet;
6. Thence N.9°57'30"E., a distance of 394.0 feet;
7. Thence along the arc of a curve to the right having a radius of 2,167.0 feet, a distance of 1,059.4 feet (the chord of this arc bears N.38°17'30"E. a distance of 1,049.0 feet) to the east line of Lot 4, Sec. 10;
8. Thence N.1°44'W., along the east line of Lot 4, Sec. 10, a distance of 166.9 feet, to the NE corner of Lot 4, Sec. 10;
9. Thence N.89°26'30" W., along the North line of Lot 4, Sec. 10, a distance of 300.6 feet;
10. Thence along the arc of a curve to the left having a radius of 2,492.0 feet, a distance of 564.4 feet (the chord of this arc bears S.42°38'W., a distance of 563.2 feet);
11. Thence S.21°51'W., a distance of 512.7 feet;
12. Thence S.20°58'30" W., a distance of 410.8 feet;
13. Thence S.13°15'W., a distance of 237.8 feet;
14. Thence S.21°34'30" W., a distance of 54.6 feet to a southerly property line;
15. Thence S.43°26'E., along a southerly property line, a distance of 35.2 feet to a westerly property line;

## EXHIBIT "A" CONTINUED

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16. Thence S.12°04'W., along the east line of the Peer property, a distance of 85.9 feet;
17. Thence S.21°59'W., continuing along the east line of the Peer property, a distance of 113.2 feet;
18. Thence S.32°23'W., continuing along the east line of the Peer property, a distance of 92.8 feet, to the SE corner of the Peer property;
19. Thence N.24°09'W., along the south line of the Peer property a distance of 39.7 feet;
20. Thence S.21°34'30" W., a distance of 6.3 feet;
21. Thence along the arc of a curve to the right having a radius of 1,332.5 feet, a distance of 118.4 feet (the chord of this arc bears S.28°49'30" W., a distance of 118.3 feet) to the west line of Sec. 10;
22. Thence S.1°50'30" E., along the west line of Sec. 10, a distance of 314.5 feet;
23. Thence N.41°54'30" E., a distance of 107.1 feet;
24. Thence along the arc of a curve to the left having a radius of 1,532.5 feet a distance of 294.2 feet (the chord of this arc bears N.31°47'E., a distance of 293.8 feet);
25. Thence N.21°39'30" E., a distance of 171.7 feet, more or less, to the point of beginning.

## ALSO - PERMANENT EASEMENT E-3

Beginning at a point on the East line of Sec. 9, T6N., R91W., 6th P.M., from which the E½ Corner of Sec. 9 bears N.1°50'30" W., a distance of 870.6 feet;

1. Thence S.41°54'30" W., a distance of 254.9 feet;
2. Thence S.44°17'W., a distance of 114.0 feet;
3. Thence S.45°43'E., a distance of 20.0 feet;
4. Thence N.44°17'E., a distance of 114.0 feet;
5. Thence N.41°54'E., a distance of 234.9 feet to the east line of Sec. 9;
6. Thence N.1°50'30" W., along the east line of Sec. 9 a distance of 28.9 feet, more or less, to the point of beginning.

## ALSO

Beginning at a point on the south line of the Long property from which the W½ Corner of Sec. 10 bears N.39°48'W., a distance of 496.2 feet;

1. Thence S.21°39'30" W., a distance of 171.7 feet;
2. Thence along the arc of a curve to the right having a radius of 1,532.5 feet, a distance of 294.2 feet (the chord of this arc bears S.31°47'W., a distance of 293.8 feet);
3. Thence S.41°54'30" W., a distance of 107.1 feet, to the west line of Sec. 10;
4. Thence S.1°50'30" E., along the west line of Sec. 10, a distance of 28.9 feet;
5. Thence N.41°54'E., a distance of 129.6 feet;
6. Thence along the arc of a curve to the left having a radius of 1,552.5 feet a distance of 298.0 feet (the chord of this arc bears N.31°47'E., a distance of 297.6 feet);
7. Thence N.21°40'E., a distance of 174.7 feet to the south line of the Long property;
8. Thence N.72°26'W., along the south line of the Long property a distance of 20.0 feet, more or less, to the point of beginning.

FOR THE PURPOSE OF: A Water line

## ALSO - PERMANENT EASEMENT E-3A

Beginning at a point on the east line of Sec. 9 from which the E½ corner of Sec. 9 bears N.1°50'30" W., a distance of 295.3 feet;

1. Thence S.88°09'30" W., a distance of 40.0 feet;
2. Thence S.1°50'30" E., a distance of 318.5 feet;
3. Thence along the arc of a curve to the left, having a radius of 1,332.5 feet, a distance of 70.3 feet (the chord of this arc bears N.32°53'E., a distance of 70.2 feet) to the east line of Sec. 9;
4. Thence N.1°50'30" W., along the east line of Sec. 9 a distance of 260.8 feet, more or less, to the point of beginning.



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Beginning at a point on the west line of Sec. 10 from which the W $\frac{1}{2}$  Corner of Sec. 10 bears N.1°50'30" W., a distance of 295.3 feet;  
1. Thence S.1°50'30" E., along the West line of Sec. 10, a distance of 100.0 feet;  
2. Thence S.88°09'30" E., a distance of 41.0 feet to a property line;  
3. Thence S.24°09'W., along a property line, a distance of 108.1 feet, more or less, to the point of beginning.

ALL as contained in Rule and Order in Civil Action No. 2857, District Court in and for the County of Moffat, State of Colorado recorded September 18, 1972 in Book 379 at Page 39

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- (4) - A parcel of land in Lot 4 (SW $\frac{1}{4}$ NW $\frac{1}{4}$ ) of Section 10 in Township 6 North, Range 91 West of 6th P.M., Moffat County, Colorado, more particularly described as follows:

Beginning at point of intersection of the Southeasterly right-of-way line of Colorado Highway No. 789 with the East line of said Lot 4, which point is approximately 120 feet South of the NE Corner of said Lot 4;  
Thence Southwesterly along the Southeasterly right-of-way line of said Highway 789 a distance of 1700 feet, more or less, to point of intersection with the North line of a parcel of land heretofore conveyed to Walter R. Herod and Alice E. Herod by Deed recorded June 9, 1963 in Book 309 at Page 15;  
Thence North 81°40" East approximately 240 feet to the Westerly bank of the Yampa River;  
Thence Northeasterly along the Westerly bank of the Yampa River 1400 feet, more or less, to point of intersection with the East line of said Lot 4;  
Thence North along the East line of said Lot 4 a distance of 225 feet, more or less, to the Point of Beginning,  
as conveyed from Mills M. Craig and Alma D. Craig to Carl A. Schneiderhelnz and Marjorie E. Schneiderhelnz by Deed dated January 10, 1974 and recorded June 11, 1974 in Book 390 at Page 244

- (5) - Township 6 North of Range 91 West of the 6th P.M.

Section 9: All of Lot 8 and those portions of Lots 9 and 16 lying North and West of State Highway No. 13, which highway is described in a document entitled Rule and Order and was recorded September 18, 1972 in Book 379 at Pages 39 to 45 inclusive in the records of the Clerk and Recorder of Moffat County, Colorado

Section 10: Those portions of Lots 4 and 5 lying North and West of State Highway No. 13 as described in that certain document entitled Rule and Order, which was recorded on September 13, 1972 in Book 379 at Pages 39 to 45 inclusive in the records of the Clerk and Recorder of Moffat County, Colorado;

as conveyed from Mills M. Craig and Alma D. Craig to William G. Blising and Karen Blising by Deed dated February 6, 1975 and recorded February 6, 1975 in Book 399 at Page 847.

- (6) - A tract of land in the Southeast One-Quarter of the Southwest One-Quarter of Section 10 and the Northwest One-Quarter of the Northwest One-Quarter of Section 15, all in Township Six North, Range Ninety-one West of the Sixth Principal Meridian (SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 10 & NW $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 15, T6N, R91W 6th P.M.) County of Moffat, State of Colorado, more particularly described as follows:  
BEGINNING at a point on the North-South centerline of Sec. 10 from whence the S $\frac{1}{2}$  Corner of said Sec. 10 bears S.01°34'03" E., a distance of 922.41 feet;  
TRAVERSE S.52°24'28" W., a distance of 295.57 feet;  
THENCE S.52°09'37" W., a distance of 10.78 feet;  
THENCE along the arc of a curve to the left a distance of 548.61 feet to a point which bears S.47°56'07"W., a distance of 548.11 feet;  
THENCE S.46°17'24"E., a distance of 100.00 feet;  
THENCE along the arc of a curve to the left a distance of 429.92 feet to a point which bears S.40°18'28" W., a distance of 429.66 feet, said point being on the South line of Sec. 10 and from whence the S $\frac{1}{2}$  Corner of Sec. 10 bears N.88°07'27"E. a distance of 880.99 feet;  
THENCE S.88°07'27"W., along said South line a distance of 377.58 feet;  
THENCE N.35°00'45" E., a distance of 112.80 feet;  
THENCE N.35°15'56" E., a distance of 11.22 feet;  
THENCE along the arc of a curve to the right a distance of 1,156.21 feet to a point which bears N.43°42'37" E., a distance of 1,152.02 feet;  
THENCE N.52°09'37"E., a distance of 11.22 feet;  
THENCE N.52°24'28"W., a distance of 441.44 feet to a point on the said North-South centerline of Sec. 10;  
THENCE S.01°34'03"E., along said North-South line a distance of 247.29 feet, to the Point of Beginning

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AND BEGINNING at a point on the East line of the NW $\frac{1}{4}$  NW $\frac{1}{4}$  Sec. 15, from whence the NE Corner of said NW $\frac{1}{4}$  NW $\frac{1}{4}$  bears N.00°23'24"W., a distance of 70.70 feet; TRAVERSE S.00°23'24"W., along said East line a distance of 773.66 feet; THENCE along the arc of a curve to the right a distance of 654.07 feet to a point which bears S.53°32'14"W., a distance of 652.87 feet; THENCE S.64°47'09"W., a distance of 54.82 feet; THENCE S.67°42'40"W., a distance of 350.45 feet; THENCE S.68°02'31"W., a distance of 11.69 feet; THENCE along the arc of a curve to the right a distance of 473.63 feet to a point which bears S.71°57'02"W., a distance of 423.49 feet, said point being on the West line of Sec. 15; THENCE N.00°23'26"E., along said West line of Sec. 15 a distance of 352.70 feet; THENCE along the arc of a curve to the left a distance of 280.60 feet, to a point which bears N.71°02'01"E., a distance of 288.73 feet; THENCE N.68°02'31"E., a distance of 10.71 feet; THENCE N.67°42'40"E., a distance of 340.79 feet; THENCE N.64°47'09"E., a distance of 46.14 feet; THENCE along the arc of a curve to the left a distance of 620.33 feet to a point which bears N.51°21'45"E., a distance of 612.05 feet; THENCE N.37°55'57"E., a distance of 46.13 feet; THENCE N.35°00'45"E., a distance of 282.19 feet, to the POINT OF BEGINNING,

as conveyed from Mills M. Craig and Alma D. Craig to Colorado-Ute Electric Association, Inc., by Deed dated June 5, 1975 and recorded June 9, 1975 in Book 402 at Page 368 and by Correction Deed dated January 5, 1976 and recorded February 2, 1976 in Book 407 at Page 990.

- (7) - A parcel of land located in the E $\frac{1}{2}$  of the SW $\frac{1}{4}$  and the SW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 10 and the N $\frac{1}{2}$  of the NW $\frac{1}{4}$  of Section 15, Township 6 North, Range 91 West of the Sixth Principal Meridian in Moffat County, Colorado, and being more particularly described as follows:

BEGINNING at the one-quarter corner common to Sections 10 and 15, a Government Brass Cap Monument; thence N.00°16'55"W., along the north-south centerline of Section 10 for a distance of 1604.97 feet to a point, said point also being the REAL POINT OF BEGINNING of the herein described parcel of land, said parcel extending 50 feet on the right of the following described centerline and extending on the left to the northerly right-of-way of the Colorado Ute Electric Association Plant Access Railroad; beginning at the REAL POINT OF BEGINNING; thence S.36°09'00"W., for a distance of 328.50 feet; thence S.54°31'31"W., for a distance of 259.92 feet; thence along the arc of a 1527.89 foot radius curve to the left for a distance of 492.75 feet, said curve having a central angle of 18°28'41" and a long chord which bears S.42°02'10"W., for a distance of 490.61 feet; thence S.29°32'49"W., for a distance of 259.92 feet; thence S.27°55'19"W., for a distance of 161.95 feet; thence S.29°47'19"W., for a distance of 279.88 feet; thence along the arc of a 1432.39 foot radius curve to the right for a distance of 185.94 feet, said curve having a central angle of 7°26'15" and a long chord which bears S.37°14'27"W., for a distance of 185.81 feet; thence S.44°41'35"W., for a distance of 279.88 feet; crossing the line between Sections 10 and 15; thence S.46°33'34"W., for a distance of 362.50 feet; thence S.49°10'18"W., for a distance of 329.73 feet; thence along the arc of a 1206.23 foot radius curve to the right for a distance of 349.74 feet, said curve having a central angle of 1°36'45" and a long chord which bears S.62°42'12"W. for a distance of 348.52 feet; thence S.76°14'07"W., for a distance of 329.73 feet; thence S.78°50'50"W., for a distance of 23.80 feet to a point on the West line of Section 15, said point being the POINT OF TERMINUS of the herein described parcel of land and being S.01°40'46"W., a distance of 733.34 feet from the Northwest corner of said Section 15, said point being a Government Brass Cap Monument.

as conveyed from Mills M. Craig and Alma D. Craig to Empire Energy Corporation by Deed dated August 23, 1976 and recorded August 25, 1976 in Book 415 at Page 518.

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- (8) - PARCEL NO. 1. A tract or parcel of land located in Lots 9 and 16, Section 9, and Lot 5, Section 10, T6N., R91W of the 6th P.M., Colorado and being more particularly described as follows: Beginning at a point on the South R.O.W. of State Highway No. 13, which point is N.1°57'W., 1917.71 feet and East 52.80 feet from the SE corner of said Section 9; thence S.19°59'32"E., 404.10 feet; thence S.59°38'25"W., 762.35 feet; thence N.53°51'37"W., 146.68 feet to a point on the South R.O.W. of State Highway 13; thence N.44°05'16"E., 234.82 feet along said R.O.W.; thence N.42°57'28"E., 696.68 feet along said R.O.W. to the Point of Beginning.

PARCEL NO. 2. A tract or parcel of land located in Lots 9 and 16, Section 9, Township 6 North, Range 91 West of the 6th P.M., Colorado and being more particularly described as follows: Beginning at a point which is N.1°57'W., 735.91 feet and West 47.40 feet from the SE corner of said Section 9; thence N.87°48'42"W., 476.76 feet; thence N.1°58'32"E., 398.11 feet; thence N.59°38'25"E., 533.10 feet; thence S.0°13'31"E., 685.53 feet, to the Point of Beginning

as conveyed from Mills M. Craig and Alma D. Craig to Billy R. Zimmerman et al by Deed dated May 2, 1977 and recorded May 4, 1977 in Book 424 at Page 774.

- (9) - A tract of land, being that portion of the northwest quarter of the northwest quarter (NW¼NW¼) of Section Fifteen (15), Township Six (6) North, Range Ninety-one (91) West of the Sixth (6th) Principal Meridian, County of Moffat, State of Colorado, lying southerly of the southerly right-of-way line of the railroad, said southerly right-of-way line being more particularly described as follows:

Commencing at the northwest corner of said Section 15; thence South 01°41'03" West along the west line of said section, 1280.6 feet to the intersection of said southerly right-of-way line with said west line, the Point of Beginning, from whence the west quarter (W¼) corner of Section 15 bears South 01°41'03" West, 1380.0 feet;

Thence along said southerly right-of-way line the following courses and distances:

Thence along a curve to the left, having a central angle of 07°49'45" and a radius of 3104.9 feet, an arc distance of 424.3 feet;

Thence North 69°22'29" East, 11.7 feet;

Thence North 69°02'38" East, 350.4 feet;

Thence North 66°07'07" East, 54.8 feet;

Thence along a curve to the left, having a central angle of 24°27'52" and a radius of 1541.6 feet, an arc distance of 657.5 feet to the east line of said NW¼NW¼, the Point of Termination.

Bearings are referenced to the Colorado State System of Plane Coordinates, North Zone. Distances are shown as ground distances.

as conveyed from Moffat County State Bank, a Colorado State Chartered Corporation to the United States of America, Department of Energy, Western Area Power Administration, by Deed dated June 28, 1989 and recorded June 28, 1989 in Book 603 at Page 451.

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TOGETHER WITH:

- (1) All easements and rights-of-way appurtenant thereto;
- (2) All improvements fixtures and fences situate thereon save and except those used in the exploration and production of the minerals.
- (3) All water, water rights, ditch, ditch rights, reservoir, reservoir rights, of every kind or nature, with all structures and appurtenances appurtenant to and used in conjunction with the subject property, if any;

NOTE: As to the waters and water rights, grantor makes no warranties of any kind either to their title or as to their existence, amount, type or the quantity thereof.

SUBJECT TO:

1. Reservations and limitations of the underlying patent;
2. Reservations, mineral or otherwise, contained in any underlying deed or deeds constituting the record chain of title from patentee to grantor and to interests, if any, created thereunder;
3. Easements and rights-of-way of record;
4. Easements and rights-of-way, if any, not of record, but which have been established and now exist by operation of law upon said real property, or any portion or portions thereof;
5. All zoning and zoning restrictions and limitations, building and building requirements, adopted by any governmental agency having jurisdiction thereof and all ordinances, resolutions and decrees creating special statutory districts;
6. The burden of unreleased coal, oil, gas and other mineral or metal leases of record;
7. Right-of-way and associated rights contained in an instrument recorded in Book 78 at Page 440 of the records of Moffat County, Colorado;
8. Right-of-way and associated rights contained in instruments recorded in Book 301 at Page 207, and Book 308 at Page 595, both of the records of Moffat County, Colorado;
9. The provisions of instruments recorded as Misc. Nos. 3703 and 3737, both of the records of Moffat County, Colorado, insofar as the same may be applicable to or affect the Property.
10. Any rights, interests or easements in favor of any riparian owners, the State of Colorado, the United States of America, or the general public, which exist, have existed, or are claimed to exist in and over the waters and present and past bed and banks of the Yampa River.

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EXHIBIT "B"  
TO  
WARRANTY DEED

A parcel of land lying in the SE1/4 of Section 9 and the SW1/4 of Section 10, Township 6 North, Range 91 West, 5TH P. M., Moffat County, Colorado and being the centerline of a gas pipeline, being more particularly described as follows:

BEGINNING at a point lying North 31 degrees 47' 37" West, 399.41 feet from the Southeast Corner of said Section 9;

THENCE South 78 degrees 51' 14" East, 393.36 feet;

THENCE North 85 degrees 15' 34" East, 175.15 feet;

THENCE North 68 degrees 21' 01" East, 231.00 feet;

THENCE North 56 degrees 32' 15" East, 1110.86 feet;

THENCE North 38 degrees 00' 59" East, 392.15 feet;

THENCE South 48 degrees 40' 41" East, 557.39 feet;

THENCE South 24 degrees 22' 47" East, 349.00 feet;

THENCE South 20 degrees 26' 00" East, 561.75 feet to a point on the centerline of an easement as described in Book 342 at Page 836 in the records of Moffat County, Colorado

The South line of said Section 9 is considered to bear North 89 degrees 23' 33" West and is witnessed by a GLO Brass Cap on each end.

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March 20, 2013

Mr. John Gabert  
Colorado Division of Water Resources  
Department of Natural Resources  
1313 Sherman Street, RM 821  
Denver, CO 80203

RE: Water Well Permit Applications to increase uses for 10866-R (Craig Well No. 1) and 10867-R (Craig Well No. 2)

Dear Mr. Gabert,

We are the current owners of the wells with registration numbers 10866-R and 10867-R. The purpose of these applications is to update and request the current uses of water be of record and include uses of water for our future plans. The original registrations in April 1960 for Craig No. 1 stated a yield of 3,592 gpm (8.0 cfs) used for irrigation, domestic and stock water and Craig No. 2 stated a yield of 700 gpm (1.6 cfs) used for irrigation purposes. Note both these wells were drilled in 1932 for oil and gas exploration/development with depths of 2,900' and 1,400' respectively with intended uses including industrial/commercial. Then in 1972 in case number W-194 the decree for an absolute underground water right was issued and included irrigation, stock water, domestic and all other beneficial uses. Craig Well No. 1 is decreed for 1.0 cfs and Craig Well No. 2 is decreed for 0.5 cfs in Case No. W-194.

We are applying to update the existing well permits to reflect current uses in addition to adding future intended uses. Our request includes the following uses: **industrial, irrigation, commercial, geothermal, domestic, hydropower and water to fill the existing Fox Point Pond(s)** (application for storage rights to be filed sometime in 2013). The following explains the requested uses.

**Industrial** – The applicant has records showing sales of approximately 332,714.92 barrels (13,974,026 gallons) of water from Craig No. 1 to a private vendor in 2012. Water has also been sold to certain oil operators for oil/gas well completion services and these sales are projected to increase substantially with the growth in oil and gas activity. Both Shell and Quicksilver Resources have need for water delivery and based upon the number of oil and gas permits being projected the demand could increase exponentially. We are estimating that 10 wells per year will be drilled requiring as much as 2,000,000 gallons of water per well, or 20,000,000 gallons total per year. This converts to 61.37 acre-feet annually. *Commercial water use*

**Irrigation** – As currently permitted excess flows are being used on approximately 40 acres of irrigated ground of the Property. Assuming an annual crop irrigation



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requirement of 1.65 acre-feet per acre and an efficiency of 50% for flood irrigation, estimated annual water requirement for irrigation of the 40 acres is 132 acre-feet.

**Commercial** – An existing building located on our property and next to Highway 13 is used as office space and is currently served by the subject wells. It is expected that this space will be improved and used for additional commercial purposes. We estimate 3.0 acre feet of water per year will be used on a commercial level. *am*

**Geothermal** – These wells produce water having temperatures varying from 80 to 105 degrees Fahrenheit. There will be plans to incorporate geothermal energy (heat) for use in the commercial building and possibly for parking/walking/driveway areas. We have estimated 4.0 acre feet to be used on an annual basis. *REQUEST WITHDRAW 7/22*

**Domestic** – The subject Property is currently zoned Rural Residential and has approval for a 29 lot subdivision hosting 2 acre to 2.5 acre residential lots. The domestic water supply for these homes will be from the Craig wells. Based on 1.5 acre feet per residence, allowing up to 1 acre of irrigation per home site, totals 43.5 acre feet per year to be withdrawn for this purpose.

**Hydropower** – May be incorporated into the infrastructure of the commercial area and/or common areas of the future residential development. We are estimating a total of 3.5 acre feet per year. *REQUEST WITHDRAW 7/22*

**Fox Point Pond 1 (storage)** – Fox Point Pond 1 has been and currently is filled and refilled by water discharging from Craig Well No. 1. The pond is approximately 6.7 acres in surface with an average depth of 8.5 feet estimating approximately 56.95 acre feet of volume or storage. We will be applying for an absolute storage right since the pond has been present for years and does not intercept groundwater.

**Fox Point Pond 2 (storage)** – Fox Point Pond 2 has been and currently is filled and refilled by water discharging from Craig Well No. 2. Currently there are three small ponds located below the well and the applicant has plans to replace these ponds with 1 large pond. The surface size will be approximately 4 surface acres and a depth of 8.5 feet estimating approximately 34 acre feet of volume or storage. We will be applying for a conditional storage right. The three existing ponds do not intercept groundwater and it is expected that no ground water will be intercepted after further development of the ponds into a single pond. *EVAP only*

Please let us know what additional information you may need and thank you for your time and consideration.

Best,

Randy and Joy Booco

See table below outlining uses and amounts:



DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

June 21, 2013

Randy and Joy Booco  
PO Box 572  
Hayden CO 81639

Re: Receipt Nos. 3659302 A & B

Dear Mr. & Ms. Booco:

The applications you submitted to increase the use of the Craig No. 1 and Craig No. 2 wells (current water well permit nos. 10866-R and 10867-R) are being returned to you with a request for additional information. I hope you will accept my apologies for the delay in responding to your request.

Unfortunately, there are a number of items that require additional information/clarification before we can proceed with the evaluation of your applications. Specifically, the information/clarifications needed are in regards to the requested uses of geothermal, hydropower, industrial, and the water from the wells stored in the ponds. In addition, there is a 600 foot spacing requirement for the wells that will have to be addressed.

First, while the administration of geothermal resources is under the authority of the State Engineer/Colorado Division of Water Resources, that authority is under a separate statute from those governing water wells. Because of this, there is a separate fee to apply to use the geothermal properties of water pumped from a production water well. There is also a separate evaluation process for geothermal wells which is why I am requesting, should you decide to pursue a permit to use one or both wells for geothermal purposes, that you complete a new application form for each well for just geothermal use. Your applications are somewhat unusual as the majority of applications we received for geothermal use do not include other uses of the water from the well. We now realize that our application instructions are not clear about the separate statutes, fees, and evaluation process regarding wells used for geothermal purposes and I apologize for that oversight and any confusion it caused.

The fee for each application to use a well for geothermal purposes is \$480. I have included two blank General Purpose forms with this letter. Should you decide to pursue a permit for one or both wells for geothermal use, please complete the blank forms (checking only "Geothermal" under Item 6 on the application) and return the completed form(s) with \$480 for each application (for two wells, the total would be \$960). I have also included a two page guideline, "Steps for Applying for Type A or Type B Geothermal Well Permit", for your information. However, I strongly recommend you refer to and thoroughly review the *Rules and Regulations for Permitting the Development and Appropriation of Geothermal Resources Through the Use of Wells* ("Geothermal Rules") which are available on

Office of the State Engineer

1313 Sherman Street, Suite 818 • Denver, CO 80203 • Phone: 303-866-3581 • Fax: 303-866-3589

<http://water.state.co.us>

## DIVISION OF WATER RESOURCES

Randy and Joy Booco, Receipt 3659302 A&B  
June 21, 2013  
Page 2 of 3

our website at: <http://water.state.co.us/DWRIPub/Documents/geothermalrules.pdf>. According to the information you provided, the Craig Well No. 1 would qualify as a Type B geothermal well because its depth is more than 2,400 feet. The Craig Well No. 2 would be a Type A well. If you have any questions regarding applying for geothermal wells, please contact either John Gabert or Mike Bender of this office.

With regards to the requested use of hydropower, case law in Colorado prohibits the appropriation of water without a specified plan to use the water (this is known as speculation). This applies to not only water rights but also well permits, particularly in areas where water is still available for appropriation. In the information you submitted with the application, you indicated that hydropower *may be* incorporated in the infrastructure of the development. In order to overcome the anti-speculation standards for well permitting, please provide details how you will incorporate hydropower in your development (for example, where a project involves a ponds/reservoir, water is released from the top of the dam and powers a turbine at the bottom).

The anti-speculation standards also apply to the industrial use you requested. If a requested use of water will not be for your own purposes but instead the intent behind the request is to sell the water to another party, then we require you to provide a copy of any contracts you have entered into to sell the water to an entity who will then place it to the requested use (in this case, for industrial, specifically for the development of oil and gas wells). The contract(s) are sufficient evidence to overcome the speculation issue. If you do not have any contracts in place, then we cannot grant the permit for industrial purposes. However, the application could be amended to request commercial use, specifically for the commercial sale of water, instead of industrial purposes.

Concerning the use requested for Fox Point Ponds, please note that storage is not considered a use. Storage is actually an act of appropriation to use the water and a type of water right. The use of the water should be the end use of the stored water (irrigation, domestic, etc...), if any water is pumped from the ponds to be put to a beneficial use, as well as the evaporation of the water from the pond surface. Since you have already provided estimates of the amount of water for the other uses such as irrigation and domestic, I have included with this letter estimates of the average amount of water that will be evaporated from the surface of the ponds, based on the surface area and the location you provided. Please review the calculations and if you agree with the estimates, please indicate that you do when you return the applications. If you do not, please provide your own calculations of evaporation with the application. In addition, other typical non-consumptive uses of water in a pond include piscatorial, recreation, and/or aesthetics. Please indicate on a separate sheet if any of these uses would be applicable to the Fox Point Ponds.

Finally, the provisions of Colorado Revised Statute 37-90-137(2) prohibit the issuance of a permit to expand the use of a water well that is located within 600 feet of any existing well, unless the State Engineer finds that circumstance so warrant after a hearing held in accordance with the procedural rules in 2CCR 402-5. As a part of the evaluation process, a review of our records is conducted to determine if there are any wells of record that may be within 600 feet of the subject well locations. The preliminary review of records in regards to these applications did not find any well permits within 600 feet. However, the statute does not distinguish between permitted and unregistered wells and therefore a site inspection must be conducted to determine if any unregistered production wells are within 600 feet of these wells. This site inspection can be conducted by you as the applicant. If no production wells are found within 600 feet of the Craig Nos. 1 and 2 wells, please provide a signed statement notifying our office that no wells exist.

## DIVISION OF WATER RESOURCES

Randy and Joy Booco, Receipt 3659302 A&B  
June 21, 2013  
Page 3 of 3

If the site inspection does determine that there are wells within 600 feet of either of the Craig wells, according to the statute referenced above, a hearing must be held. However, this hearing may be waived if you are able to obtain statements from owners of all wells within 600 feet of the Craig well location, verifying that they have no objection to the well being located within 600 feet of their well(s). Waiver forms for owners having a single well (Form GWS-38) or multiple wells (Form GWS-38A) within 600 feet are available on our website at: <http://www.water.state.co.us/pubs/forms.asp> or you can request the forms to be mailed to you by contacting Ground Water Information at 303-866-3587. If you are unable to obtain waivers from all owners of wells within 600 feet, our office will initiate notification and hearing procedures in accordance with C.R.S. 37-90-137(2) and 2CCR 402-5 upon resubmission of the application(s).

In summary, to address the statutory 600 foot spacing requirement, please provide the following:

- (As indicated above) if no wells exist within 600 feet of the Craig No. 1 and 2 well locations, you may submit a signed statement notifying our office that no wells exist.

Or

1. Statements from all owners of wells within 600 feet of the Craig wells, verifying that they have no objection to the wells.

And

2. A signed statement notifying our office that no other wells exist within 600 feet except the ones for which waivers have been obtained.

Note: If you are unable to obtain waivers from all owners of wells within 600 feet, you must provide any waivers that were obtained and a signed statement listing all wells within 600 feet of the subject well. The permit number (if applicable), the current owner's name and address, and the distance from your well(s) must be provided for all wells where a waiver was not obtained.

Any amendments made to the application(s) must be typed or printed in **BLACK INK**. Please initial and date any amendments made, then return the original applications and the additional information requested in this letter to this office.

If you have any questions regarding the application to use the wells for geothermal purposes, please contact John Gabert or Mike Bender of this office at 303-866-3581. For the other items in this letter, please contact me at the same number.

Again, I apologize for the delay in this request for additional information.

Sincerely,



Megan Sullivan, P.E.  
Water Resource Engineer

Enclosures

Rec 3659302 B

PMT 77458F

RECEIVED

JUL 22 2013

July 18, 2013

WATER RESOURCES  
STATE ENGINEER  
COLO.

Department of Natural Resources  
Division of Water resources  
1313 Sherman Street, Suite 818  
Denver, CO 80203

RE: Letter from Division of Water resources Dated June 21, 2013 – Craig No. 1 and Craig No. 2

Dear Ms. Sullivan,

We'd like to reply to the above mentioned letter and update you on our application.

Regarding geothermal uses, we understand and appreciate the requirement for a new/separate application. We will not pursue this at this time.

Regarding our request for hydropower, we do not have detailed plans at this time and we understand the concepts of speculation. We will not pursue this at this time.

Regarding industrial uses we have included in this package copies of Contracts to sell water to another Party. This should cover any anti-speculation concerns.

Regarding the Fox Point Ponds it was stated that we will be applying for certain storage rights (which is in process) where the end use would include irrigation, domestic, piscatorial, recreation, etc...and during our initial review we agree with your evaporation calculations. We understand this is a separate application process but we were advised to complete these amended well permits first.

Regarding the provisions of Colorado Revised Statute 37-90-137(2) see the enclosed signed statement of notification that there are no wells within 600' of either Craig No. 1 or Craig No. 2.

We have also included a copy of the permit applications with geothermal, hydropower and Fox Point Fill (storage) all crossed-out. Shall we also delete irrigation and domestic as that will be a use in our forthcoming applications for storage? —no ok

We'd like to move forward with receiving approval for at least the industrial use amendment and we'd like to get clarification on having to re-submit revised applications. Joan Ryan and Brent Romick with Romick and Associates are helping us through this process and Joan has tried to reach you via phone to further discuss. If you could please call her at 970-638-1023 that would be much appreciated.

Thank you for your time and attention helping us complete this process.

Best,

Randy and Joy Booco



**OFFICE OF THE STATE ENGINEER  
COLORADO DIVISION OF WATER RESOURCES**

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

EXST

**WELL PERMIT NUMBER** 78087 -F  
DIV. 6 WD 44 DES BASIN MD

APPLICANT

RANDY D & JOY J BOOCO  
PO BOX 572  
HAYDEN, CO 81639-

(970) 276-3887

APPROVED WELL LOCATION

MOFFAT COUNTY

SE 1/4 SE 1/4 Section 9  
Township 6 N Range 91 W Sixth P.M.

DISTANCES FROM SECTION LINES

710 Ft. from South Section Line  
630 Ft. from East Section Line

UTM COORDINATES (Meters, Zone, 13, NAD83)

Easting: Northing:

**CHANGE/EXPANSION OF USE OF 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) Construction details for this existing well have not been provided to this office, therefore, it is not known if the construction of this well is in compliance with the Water Well Construction Rules 2 CCR 402-2. The issuance of this permit does not relieve the well owner of responsibility or liability in the event contamination of the groundwater source results from the construction or use of this well, nor does the State Engineer assume any responsibility or liability should contamination occur.
- 3) Approved pursuant to CRS 37-90-137(2), for the change/expansion of use of an existing well permitted under 77457-F, to divert ground water tributary to the Yampa River at a point where unappropriated water is available for withdrawal. This well is known as Craig Well No. 1.
- 4) The issuance of this permit hereby cancels permit no. 77457-F.
- 5) The pumping rate of this well shall not exceed 448.8 GPM (1 c.f.s.).
- 6) The annual amount of ground water to be withdrawn shall not exceed 194.56 acre-feet.
- 7) The use of ground water from this well is limited to commercial sale of water for industrial and commercial purposes (40.87 acre-feet), irrigation (87.91 acre-feet), commercial (2.0 acre-feet), domestic use including up to one acre of lawn and garden irrigation per lot, on 29 lots of Fox Pointe subdivision (34.8 acre-feet), evaporation from a pond known as Fox Pointe Pond 1, with a surface area of 6.7 acres (19.32 acre-feet), and evaporation from a pond known as Fox Pointe Pond 2, with a surface area of 3.38 acres (9.66 acre-feet).
- 8) The approval of this permit does not grant a water right. This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.
- 9) The owner shall mark the well in a conspicuous place with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.
- 10) A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Division Engineer upon request.
- 11) This well must be located not more than 200 feet from the location specified on this permit and at least 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant.

NOTE: This well was decreed as CRAIG NO. 1 in Division 6 Water Court case no. W-194. This well was decreed for 1 cfs (448.8 gallons per minute).

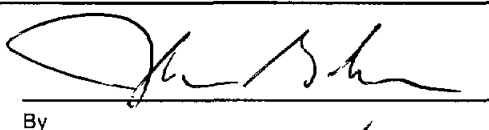
NOTE: A decree has been applied for with the Craig Well No. 1 in Division 6 Water Court case no. 13CW0019.

NOTICE: This permit has been approved for an annual amount of ground water to be withdrawn not to exceed 194.56 acre-feet, modifying Item 7 on the well permit application form. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act (See Section 24-4-104 through 106, C.R.S.)

*9/24/14*

APPROVED  
JSG

  
State Engineer

  
By

Receipt No. 3664425

DATE ISSUED 04-24-2014

EXPIRATION DATE *N/A*



COLORADO DIVISION OF WATER RESOURCES  
DEPARTMENT OF NATURAL RESOURCES  
1313 SHERMAN ST, RM 821, DENVER, CO 80203  
Main: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us

**GENERAL PURPOSE****Water Well Permit Application**

Review instructions on reverse side prior to completing form.  
The form must be computer generated, typed or in black or blue ink.

**1. Applicant Information**

Name of applicant

Randy D. and Joy J. Booco

Mailing address

PO Box 572

City

Hayden

State

CO

Zip code

81639

Telephone # (area code &amp; number)

970-276-3887

E-mail (online filing required)

**2. Type Of Application (check applicable boxes)**

- ☐ Construct new well ☐ Use existing well  
☐ Replace existing well ☒ Change or increase use  
☐ Change source (aquifer) ☐ Reapplication (expired permit)  
☐ COGCC Well ☐ Other:

**3. Refer To (if applicable)**

Well permit #

77457-F

Water Court case #

W-194

Designated Basin Determination #

Well name or #

Craig Well #1

**4. Location Of Proposed Well**

County

Moffat

Section

9

Township

6

N or S

X

Range

91

1/4 of the

SE

E or W

E

Principal Meridian

6th P.M.

Distance of well from section lines (section lines are typically not property lines)

710

Ft from

N X S

630

Ft from

E

W

For replacement wells only - distance and direction from old well to new well

feet

direction

Well location address (include City, State, Zip) ☐ Check if well address is same as in Item 1

27360 Highway 13 South, Craig, CO 81625

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows.

Format must be UTM

Zone 12 or 13

Units must be Meters

Datum must be NAD83

Unit must be set to true north

Was GPS unit checked for above? ☐ YES

Easting 279438

Northing 4484993

Remember to set Datum to NAD83

**5. Parcel On Which Well Will Be Located (PLEASE ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)**

A. Legal Description (may be provided as an attachment)

Portions of Sections 9, 10, 15, T6N, R91W of the 6th P.M.

See copy of attached Deed

B. # of acres in parcel

177.790

C. Owner

Applicant

D. Will this be the only well on this parcel? ☐ YES ☒ NO (if no list other wells)

77458-F Craig Well #2

E. State Parcel ID# (optional)

RECEIVED

Form GWS-45 (07/2013)

APR 15 2014

WATER RESOURCES  
STATE ENGINEER  
COLO**6. Use Of Well (check applicable boxes)**

Attach a detailed description of uses applied for.

- ☐ Industrial ☐ Dewatering System  
☐ Municipal ☐ Geothermal (production or reinjection)  
☐ Irrigation ☒ Other (describe): Fill Fox Pointe Pond 2  
☐ Commercial all other uses remain-

**7. Well Data (proposed)**

Maximum pumping rate gpm Annual amount to be withdrawn acre-feet  
 448.8 227.53  
 Total depth Aquifer  
 2,900 feet unknown

**8. Land On Which Ground Water Will Be Used**

Legal Description of Land (may be provided as an attachment)

Portions of Moffat, Routt and Rio Blanco Counties, Colorado  
 with excess flows being used on Applicant's Property

(If used for crop irrigation, attach a scaled map that shows irrigated area)

A. # Acres B. Owner  
 40 Applicant  
 C. List any other wells or water rights used on this land

See Section 5.D.

**9. Proposed Well Driller License #(optional):****10. Sign or Entered Name Of Applicant(s) Or Authorized Agent**

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.

Sign or enter name(s) of person(s) submitting application

Date (mm/dd/yyyy)

*Randy D. Booco* *Joy J. Booco* 4/11/2014  
 (signing print name and title)

**Office Use Only**

USGS map name DWR map no Surface elev

Non Critical Receipt area only  
 -137(2) 600' spacing previously  
 W-194 addressed w/ 77457-F  
 13C00019(pwd) no new permits issued  
 COA from 77457-F within 600'. Evap for  
 \$ Expand Fox Pointe Pond 2, using evap  
 -R-1 tables from 77457-F is 9,66AF/yr  
 -No approx date  
 AQUAMAP  
 WE - SEISE ✓ Transaction # 3664425  
 WR Date 4/15/2014 8 26 42 AM  
 CWCB Transaction Total \$100.00  
 TOPO CHECK #4592 \$100.00  
 MYLAR  
 SB5 DIV 6 WD 44 BA MD

1st use (from 10866-R) is 12/31/51

RECEIVED

APR 15 2014

WATER RESOURCES  
STATE ENGINEER  
COLO

April 11, 2014

Mr. John Gabert  
Colorado Division of Natural Resources  
Department of Natural Resources  
1313 Sherman Street, RM 821  
Denver, CO 80203

RE: Well Permit Application to increase use for Craig Well #1 (77457-F) to allow use to fill Fox Pointe Pond #2 (See Attached Exhibit A)

Dear Mr. Gabert,

We are the owners of Craig Well #1 Permit number 77457-F which was recently re-issued with an expansion of specific water uses in August 2013. The purpose of this Application is to increase/add another use for this Well Permit. We'd like to be able to put water from Craig Well #1 into the 'to be constructed' Fox Pointe Pond #2 without exceeding the pumping rate of 448.8 GPM and without withdrawing more than 184.9 acre-feet annually. Our other 'uses' would not change from what the well permit currently allows.

We are now deep in the application process for Absolute Water Storage for Fox Pointe Pond #1 (filled by Craig Well #1) and a Conditional Storage Right for Fox Pond #2 (filled predominately by Craig Well #2 77458-F). (Case # 13CW019) We had no opposition to this case and in the Report of the Division Engineer, Erin Light made note that a new well permit would have to be obtained to allow us to put water from Craig Well #1 into Fox Pointe Pond #2 and this is our request.

We appreciate your time and consideration. Please let us know of any questions and thank you very much!

Best,

Randy and Joy Booco

Rec # 3659302 A  
PMT # 77457F

RECEIVED

JUL 22 2013

July 18, 2013

Department of Natural Resources  
Division of Water Resources  
1313 Sherman Street, Suite 818  
Denver, CO 80203

WATER RESOURCES  
STATE ENGINEER  
COLO.

RE: Craig No. 1 and Craig No. 2 (permit nos. 10866-R and 10867-R)

Dear Ms. Sullivan,

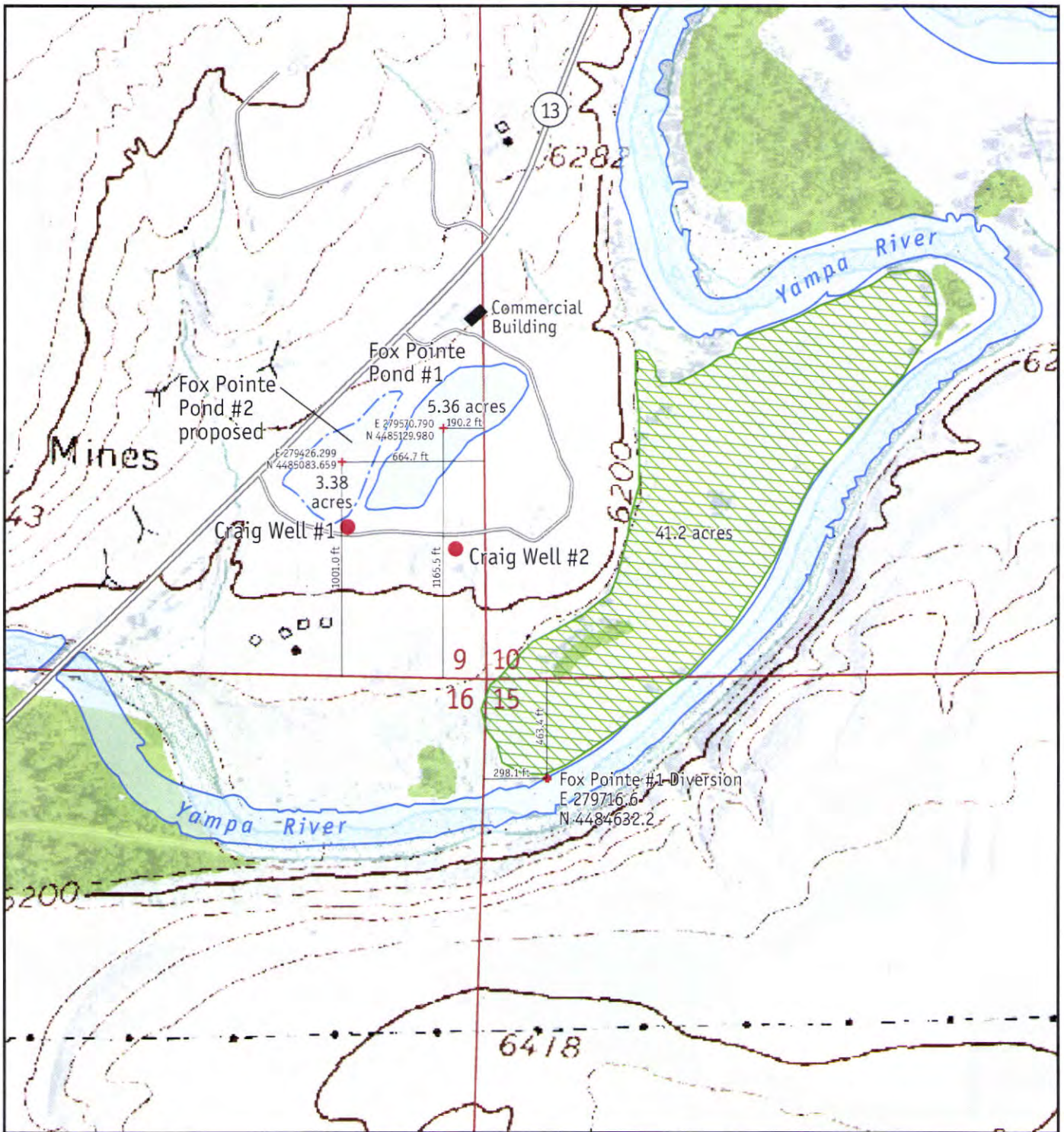
Per the request in your letter dated June 21, 2013 pertaining to the above well permits and applications for amendment, this letter shall serve as our Statement of Notification that no wells exist within 600 feet of the Craig No. 1 and the Craig No. 2 wells.

This should satisfy the provisions of Colorado Revised Statute 37-90-137(2).

Randy and Joy Booco  
PO Box 572  
Hayden, CO 81639

Randy Booco 7/18/13  
Randy Booco Date

Joy Booco 7/18/13  
Joy Booco Date



## Exhibit A: Fox Point

Moffat County, Colorado T06NR91W

UTM Coordinates zone 13 NAD83

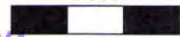
- Fox Point Pond #1
- Fox Point Pond #2 proposed
- Irrigated Land

- Craig Well #1 & #2
- ✱ Fox Point #1 Diversion
- GCDB Section Line (not surveyed)

RECEIVED



Feet



APR 15 2014

WATER RESOURCES  
STATE ENGINEER  
COLO

RECEIVED

APR 15 2014

Best Copy Available

WATER RESOURCES  
STATE ENGINEER  
COLO

6-28-96  
16.50

WARRANTY DEED

FILE DATE: 06/28/1996 FILE TIME: 09:00 PAGE #: 0001 OF 0009  
MOFFAT COUNTY, JESSIE ROWLEY - COUNTY CLERK & RECORDER REC #: 1996L 2385 \*\*

STATE OF COLORADO §  
COUNTY OF MOFFAT §

KNOW ALL PERSONS BY THESE PRESENTS.

THAT, Karnat, Inc., a Texas corporation, ("Grantor"), for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable consideration paid by Randy D. Booco ("Grantee"), the receipt and sufficiency of which are hereby acknowledged and confessed, has GRANTED, BARGAINED, SOLD, and CONVEYED and by these presents does GRANT, BARGAIN, SELL, and CONVEY into Grantee, that certain tract or parcel of land located in Moffat County, Colorado, containing approximately 170.26 acres, as more particularly described by metes and bounds in Exhibit "A" attached hereto and incorporated herein by this reference, including buildings, structures and other improvements. The land and improvements described in this paragraph are herein collectively referred to as the "Property" which is subject to the Easement and Right-of-Way for Pipeline, 50 feet in width, the centerline of which is described on Exhibit "B" hereto.

\*and Joy J. Booco, as joint tenants

There is hereby excepted from this conveyance all right, title and interest in and to all minerals and the equipment, fixtures, machinery, materials, lease and well equipment and other personal property and fixtures of whatever kind or character located on, used or to be used in connection with developing the minerals (including, without limitation, wells, wellbores, wellhead equipment, separators, meters, gauges, flowlines, pumpjacks and pump units, buildings, injection facilities, saltwater disposal facilities, compression facilities, pipelines, gathering systems tank batteries and all other equipment inventory, material, supplies, goods, merchandise, tools, accessories and implements thereto), all permits, franchises, licenses, roadways, rights-of-way, easements and other appurtenances now being used or held for use in connection with or otherwise related to the exploration, development of the minerals or being used or held for use in connection with the production, treatment, storage, transportation or marketing of oil, gas and/or other minerals produced therefrom.

TO HAVE AND TO HOLD the Property and the related rights described on Exhibit "A" ("Related Rights") unto Grantee, his heirs, and assigns, forever, and Grantor does hereby bind itself, its successors and assigns, to WARRANT AND FOREVER DEFEND, all and singular the title to the Property unto Grantee, his heirs and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, subject to the limitations and reservations set forth on Exhibit "A" attached hereto. Ad valorem taxes for the current year have been prorated as of the date hereof and payment thereof is assumed by Grantee. It is hereby expressly provided that no covenant or warranty on the part of Grantor, for Grantor or Grantor's successors or assigns, regarding the Related Rights is made or is implied to be made to Grantee, Grantee's heirs and assigns, by this sale and conveyance.

APR 15 2014

WATER RESOURCES  
SURVEYING ENGINEERFILE DATE: 06/28/1996 FILE TIME: 08:00 PAGE #: 0002 OF 0009  
MOFFAT COUNTY, JESSIE MOFFAT - COUNTY CLERK & RECORDER REC #: 1996L 2385

Grantor shall indemnify, defend and hold harmless the Grantee from and against any and all liabilities, claims, damages, losses, demands, judgments, settlements, fines, penalties, attorney's fees and any and all other losses, including losses resulting from the environmental condition of the subject Property arising out of, in connection with or resulting from the ownership or production of the minerals.

Grantee's address is P O Box 572, Hayden Colorado 81639.

EXECUTED as of the 25 day of June, 1996

GRANTOR

KARNAT, INC



By: R. Craig Ponder  
Name: R. Craig Ponder  
Title: President

STATE OF TEXAS

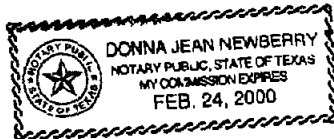
§

§

COUNTY OF HARRIS

§

BEFORE ME, the undersigned authority, on this day personally appeared R. Craig Ponder, PRESIDENT of Karnat, Inc., a Texas corporation, and acknowledged to me that he executed same for the purposes and consideration therein expressed on behalf of said corporation.

Given under my hand and seal of office this 25 day of JUNE, 1996.

Donna Jean Newberry  
NOTARY PUBLIC, in and for  
The State of TEXAS



RECEIVED

Situated in the County of Moffat, Colorado;  
 TOWNSHIP 6 NORTH, RANGE 91 W., & THE 6TH PRINCIPAL MERIDIAN

APR 15 2014

SECTION 9: LOTS 9 AND 10  
 SECTION 10: LOTS 4, 5, NW $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ SW $\frac{1}{4}$   
 SECTION 15: NW $\frac{1}{4}$ NW $\frac{1}{4}$

WATER RESOURCES  
 STATE ENGINEER  
 COLO

EXCEPTING THEREFROM, THE FOLLOWING DESCRIBED TRACTS, (1) THROUGH (9):

- (1) - A tract of land in Sections 9 and 10, T6N, R91W: Beginning at Corner #1, which corner is the West one quarter corner of Section 10, T6N, R91W of the 6th P.M. in Moffat County, Colorado; thence S.43°26'E., 295.55 feet to Corner #2; thence S.12°04'W., 85.85 feet to Corner #3; thence S.21°59'W., 113.15 feet to Corner #4; thence S.32°23'W., 92.78 feet to Corner #5; thence N.24°09'W., 366.41 feet to Corner #6; thence N.45°15'W., 209.65 feet to Corner #7; thence N.89°47'E., 206.47 feet to Corner #1, the point of beginning, and containing 1.79 acres, of which 0.56 acres is in Section 9 and 1.23 acres is in Section 10, as conveyed from Mills M. Craig and Alma D. Craig to E. W. Pugh by Deed dated June 6, 1960 and recorded June 6, 1960 in Book 232 at Page 113;
- (2) - Beginning at Corner Number 2 at which point the West Quarter Corner of Section 10, Township 6 North, Range 91 West of the 6th P.M. bears North 59°23' West 307 feet; thence South 0° 56' East, 92 feet to Corner Number 3; thence South 17°02' West, 111 feet to Corner Number 4; thence South 72°26' East, 556 feet to Corner Number 5; thence North 17° 24' West, 210 feet to Corner Number 6; thence North 9°51' West, 220 feet to Corner Number 1; thence South 81°40' West, 400 feet, to Corner Number 2, the Point of Beginning, as conveyed from Mills M. Craig and Alma D. Craig to Walter R. Herod and Alice E. Herod by Deed dated May 3, 1962 and recorded January 9, 1963 in Book 309 at Page 15;
- (3) - beginning at a point on the West line of Lot 16, Sec. 9, from which the SE Corner of Sec. 9 bears S.68°31'30" E., a distance of 1,442.5 feet;
  1. Thence N.44°17'E., a distance of 1,593.3 feet;
  2. Thence N.41°54'30" E., a distance of 754.9 feet, to the east line of Sec. 9;
  3. Thence N.1°50'30" W., along the East line of Sec. 9 a distance of 314.5 feet;
  4. Thence along the arc of a curve to the right having a radius of 1,332.5 feet, a distance of 137.4 feet (the chord of this arc bears S.34°19'30"W., a distance of 137.4 feet);
  5. Thence S.41°59'30"W., a distance of 337.6 feet;
  6. Thence S.44°17'W., a distance of 1,400.2 feet, to the West line of Lot 16, Sec. 9;
  7. Thence S.1°44'E., along the West line of Lot 16, Sec. 9 a distance of 277.9 feet, more or less, to the point of beginning.

Beginning at a point on the South line of the Long property in Lot 5, Sec. 10, from which the NW Corner of Sec. 10 bears N.39°48'W., a distance of 496.2 feet;

  1. Thence N.72°26'W., along the South line of the Long property, a distance of 88.5 feet, to the SW Corner of the Long property;
  2. Thence N.17°02'E., along the west line of the Long property, a distance of 111.0 feet;
  3. Thence N.0°56'W., continuing along the west line of the Long property, a distance of 92.0 feet to the NW corner of the Long property;
  4. Thence N.81°40'E., along the north line of the Long property a distance of 194.8 feet;
  5. Thence N.42°12'E., a distance of 154.0 feet;
  6. Thence N.9°57'30"E., a distance of 394.0 feet;
  7. Thence along the arc of a curve to the right having a radius of 2,167.0 feet, a distance of 1,059.4 feet (the chord of this arc bears N.38°17'30"E. a distance of 1,049.0 feet) to the east line of Lot 4, Sec. 10, a distance of 166.9 feet, to the NE corner of Lot 4, Sec. 10;
  8. Thence N.1°44'W., along the east line of Lot 4, Sec. 10, a distance of 300.6 feet;
  9. Thence N.89°26'30" W., along the North line of Lot 4, Sec. 10, a distance of 300.6 feet;
  10. Thence along the arc of a curve to the left having a radius of 2,492.0 feet, a distance of 564.4 feet (the chord of this arc bears S.42°38'W., a distance of 563.2 feet);
  11. Thence S.21°51'W., a distance of 512.7 feet;
  12. Thence S.20°58'30" W., a distance of 410.8 feet;
  13. Thence S.13°15'W., a distance of 237.8 feet;
  14. Thence S.21°34'30" W., a distance of 54.6 feet to a southerly property line;
  15. Thence S.43°26'E., along a southerly property line, a distance of 35.2 feet to a westerly property line;

## EXHIBIT "A" CONTINUED

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MOFFAT COUNTY, JESSIE ROWLEY - COUNTY CLERK &amp; REC'D REC #: 1996L 2335

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WATER RESOURCE  
STATE ENGINEER  
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16. Thence S.12°04'W., along the east line of the Peer property, a distance of 85.9 feet;
17. Thence S.21°59'W., continuing along the east line of the Peer property, a distance of 113.2 feet;
18. Thence S.32°23'W., continuing along the east line of the Peer property, a distance of 92.8 feet, to the SE corner of the Peer property;
19. Thence N.24°09'W., along the south line of the Peer property a distance of 39.7 feet;
20. Thence S.21°34'30" W., a distance of 6.3 feet;
21. Thence along the arc of a curve to the right having a radius of 1,332.5 feet, a distance of 118.4 feet (the chord of this arc bears S.28°49'30" W. a distance of 118.3 feet) to the west line of Sec. 10;
22. Thence S.1°50'30" E., along the west line of Sec. 10, a distance of 314.5 feet;
23. Thence N.41°54'30" E., a distance of 107.1 feet;
24. Thence along the arc of a curve to the left having a radius of 1,532.5 feet a distance of 294.2 feet (the chord of this arc bears N.31°47'E., a distance of 293.8 feet);
25. Thence N.21°39'30" E., a distance of 171.7 feet, more or less, to the point of beginning.

## ALSO - PERMANENT EASEMENT E-3

Beginning at a point on the East line of Sec. 9, T6N., R91W., 6th P.M., from which the E½ Corner of Sec. 9 bears N.1°50'30" W., a distance of 870.6 feet;

1. Thence S.41°54'30" W., a distance of 254.9 feet;
2. Thence S.44°17'W., a distance of 114.0 feet;
3. Thence S.45°43'E., a distance of 20.0 feet;
4. Thence N.44°17'E., a distance of 114.0 feet;
5. Thence N.41°54'E., a distance of 234.9 feet to the east line of Sec. 9;
6. Thence N.1°50'30" W., along the east line of Sec. 9 a distance of 28.9 feet, more or less, to the point of beginning.

## ALSO

Beginning at a point on the south line of the Long property from which the W½ Corner of Sec. 10 bears N.39°48'W., a distance of 496.2 feet;

1. Thence S.21°39'30" W., a distance of 171.7 feet;
2. Thence along the arc of a curve to the right having a radius of 1,532.5 feet, a distance of 294.2 feet (the chord of this arc bears S.31°47'W., a distance of 293.8 feet);
3. Thence S.41°54'30" W., a distance of 107.1 feet, to the west line of Sec. 10;
4. Thence S.1°50'30" E., along the west line of Sec. 10, a distance of 28.9 feet;
5. Thence N.41°54'E., a distance of 129.6 feet;
6. Thence along the arc of a curve to the left having a radius of 1,552.5 feet a distance of 298.0 feet (the chord of this arc bears N.31°47'E., a distance of 297.6 feet);
7. Thence N.21°40'E., a distance of 174.7 feet to the south line of the Long property;
8. Thence N.72°26'W., along the south line of the Long property a distance of 20.0 feet, more or less, to the point of beginning.

FUR THE PURPOSE OF: A Water line

## ALSO - PERMANENT EASEMENT E-3A

Beginning at a point on the east line of Sec. 9 from which the E½ corner of Sec. 9 bears N.1°50'30" W., a distance of 295.3 feet;

1. Thence S.88°09'30" W., a distance of 40.0 feet;
2. Thence S.1°50'30" E., a distance of 318.5 feet;
3. Thence along the arc of a curve to the left, having a radius of 1,332.5 feet, a distance of 70.3 feet (the chord of this arc bears N.32°53'E., a distance of 70.2 feet) to the east line of Sec. 9;
4. Thence N.1°50'30" W., along the east line of Sec. 9 a distance of 260.8 feet, more or less, to the point of beginning.

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Beginning at a point on the west line of Sec. 10 from which the W $\frac{1}{4}$  Corner of Sec. 10 bears N.1°50'30" W., a distance of 295.3 feet;  
 1. Thence S.1°50'30" E., along the West line of Sec. 10, a distance of 100.0 feet;  
 2. Thence S.88°09'30" E., a distance of 41.0 feet to a property line;  
 3. Thence S.24°09'W., along a property line, a distance of 108.1 feet, more or less, to the point of beginning.

ALL as contained in Rule and Order in Civil Action No. 2857, District Court in and for the County of Moffat, State of Colorado recorded September 18, 1972 in Book 379 at Page 39

- (4) - A parcel of land in Lot 4 (SW $\frac{1}{4}$ NW $\frac{1}{4}$ ) of Section 10 in Township 6 North, Range 91 West of 6th P.M., Moffat County, Colorado, more particularly described as follows:

Beginning at point of intersection of the Southeasterly right-of-way line of Colorado Highway No. 789 with the East line of said Lot 4, which point is approximately 120 feet South of the NE Corner of said Lot 4;  
 Thence Southwesterly along the Southeasterly right-of-way line of said Highway 789 a distance of 1700 feet, more or less, to point of intersection with the North line of a parcel of land heretofore conveyed to Walter R. Herod and Alice E. Herod by Deed recorded June 9, 1963 in Book 309 at Page 15;  
 Thence North 81°40" East approximately 240 feet to the Westerly bank of the Yampa River;  
 Thence Northeasterly along the Westerly bank of the Yampa River 1400 feet, more or less, to point of intersection with the East line of said Lot 4;  
 Thence North along the East line of said Lot 4 a distance of 225 feet, more or less, to the Point of Beginning,  
 as conveyed from Mills M. Craig and Alma D. Craig to Carl A. Schneiderheinz and Marjorie E. Schneiderheinz by Deed dated January 10, 1974 and recorded June 11, 1974 in Book 390 at Page 244

- (5) - Township 6 North of Range 91 West of the 6th P.M.

Section 9: All of Lot 8 and those portions of Lots 9 and 16 lying North and West of State Highway No. 13, which highway is described in a document entitled Rule and Order and was recorded September 18, 1972 in Book 379 at Pages 39 to 45 inclusive in the records of the Clerk and Recorder of Moffat County, Colorado

Section 10: Those portions of Lots 4 and 5 lying North and West of State Highway No. 13 as described in that certain document entitled Rule and Order, which was recorded on September 13, 1972 in Book 379 at Pages 39 to 45 inclusive in the records of the Clerk and Recorder of Moffat County, Colorado;

as conveyed from Mills M. Craig and Alma D. Craig to William G. Bilsing and Karen Bilsing by Deed dated February 6, 1975 and recorded February 6, 1975 in Book 399 at Page 847.

- (6) - A tract of land in the Southeast One-Quarter of the Southwest One-Quarter of Section 10 and the Northwest One-Quarter of the Northwest One-Quarter of Section 15, all in Township Six North, Range Ninety-one West of the Sixth Principal Meridian (SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 10 and NW $\frac{1}{4}$  Sec. 15, T6N, R91W 6th P.M.) County of Moffat, State of Colorado, more particularly described as follows:  
 BEGINNING at a point on the North-South centerline of Sec. 10 from whence the S $\frac{1}{4}$  Corner of said Sec. 10 bears S.01°34'03" E., a distance of 922.41 feet;  
 TRAVERSE S.52°24'28" W., a distance of 295.57 feet;  
 THENCE S.52°09'37" W., a distance of 10.78 feet;  
 THENCE along the arc of a curve to the left a distance of 548.61 feet to a point which bears S.47°56'07" W., a distance of 548.11 feet;  
 THENCE S.46°17'24" E., a distance of 100.00 feet;  
 THENCE along the arc of a curve to the left a distance of 429.92 feet to a point which bears S.40°18'28" W., a distance of 429.66 feet, said point being on the South line of Sec. 10 and from whence the S $\frac{1}{4}$  Corner of Sec. 10 bears N.88°07'27" E., a distance of 880.99 feet;  
 THENCE S.88°07'27" W., along said South line a distance of 377.58 feet;  
 THENCE N.35°00'45" E., a distance of 112.80 feet;  
 THENCE N.35°15'56" E., a distance of 11.22 feet;  
 THENCE along the arc of a curve to the right a distance of 1,156.21 feet to a point which bears N.43°42'37" E., a distance of 1,152.02 feet;  
 THENCE N.52°09'37" E., a distance of 11.22 feet;  
 THENCE N.52°24'28" W., a distance of 441.64 feet to a point on the said North-South centerline of Sec. 10;  
 THENCE S.01°34'03" E., along said North-South line a distance of 247.29 feet, to the Point of Beginning

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 MOFFAT COUNTY, JESSIE ROWLEY - COUNTY CLERK & RECORDER #: 1996L 2985 COLORADO ENGINEER

AND BEGINNING at a point on the East line of the NW $\frac{1}{4}$  Sec. 15, from whence the NE Corner of said NW $\frac{1}{4}$  bears N.00°23'24"W., a distance of 70.70 feet; TRAVERSE S.00°23'24"W., along said East line a distance of 73.66 feet; THENCE along the arc of a curve to the right a distance of 654.07 feet to a point which bears S.53°32'14"W., a distance of 652.87 feet; THENCE S.64°47'09"W., a distance of 54.82 feet; THENCE S.67°42'40"W., a distance of 350.45 feet; THENCE S.68°02'31"W., a distance of 11.69 feet; THENCE along the arc of a curve to the right a distance of 473.43 feet to a point which bears S.71°57'02"W., a distance of 423.49 feet, said point being on the West line of Sec. 15; THENCE N.00°23'26"E., along said West line of Sec. 15 a distance of 352.70 feet; THENCE along the arc of a curve to the left a distance of 280.60 feet, to a point which bears N.71°02'01"E., a distance of 288.73 feet; THENCE N.68°02'31"E., a distance of 10.71 feet; THENCE N.67°42'40"E., a distance of 340.79 feet; THENCE N.64°47'09"E., a distance of 46.14 feet; THENCE along the arc of a curve to the left a distance of 620.33 feet to a point which bears N.51°21'45"E., a distance of 670.05 feet; THENCE N.37°55'57"E., a distance of 46.13 feet; THENCE N.35°00'45"E., a distance of 282.19 feet, to the POINT OF BEGINNING,

as conveyed from Mills M. Craig and Alma D. Craig to Colorado-Ute Electric Association, Inc., by Deed dated June 5, 1975 and recorded June 9, 1975 in Book 402 at Page 368 and by Correction Deed dated January 5, 1976 and recorded February 2, 1976 in Book 407 at Page 990.

- (7) - A parcel of land located in the E $\frac{1}{4}$  of the SW $\frac{1}{4}$  and the SW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 10 and the N $\frac{1}{2}$  of the NW $\frac{1}{4}$  of Section 15, Township 6 North, Range 91 West of the Sixth Principal Meridian in Moffat County, Colorado, and being more particularly described as follows:

BEGINNING at the one-quarter corner common to Sections 10 and 15, a Government Brass Cap Monument; thence N.00°16'55"W., along the north-south centerline of Section 10 for a distance of 1604.97 feet to a point, said point also being the REAL POINT OF BEGINNING of the herein described parcel of land, said parcel extending 50 feet on the right of the following described centerline and extending on the left to the northerly right-of-way of the Colorado Ute Electric Association Plant Access Railroad; beginning at the REAL POINT OF BEGINNING; thence S.56°09'00"W., for a distance of 328.50 feet; thence S.54°31'31"W., for a distance of 239.92 feet; thence along the arc of a 1527.89 foot radius curve to the left for a distance of 492.75 feet, said curve having a central angle of 18°28'41" and a long chord which bears S.42°02'10"W., for a distance of 490.61 feet; thence S.29°32'49"W., for a distance of 259.92 feet; thence S.27°55'19"W., for a distance of 161.95 feet; thence S.29°47'19"W., for a distance of 279.88 feet; thence along the arc of a 1432.39 foot radius curve to the right for a distance of 185.94 feet, said curve having a central angle of 7°26'15" and a long chord which bears S.37°14'27"W., for a distance of 185.81 feet; thence S.44°41'35"W., for a distance of 279.88 feet; crossing the line between Sections 10 and 15; thence S.46°33'34"W., for a distance of 362.50 feet; thence S.49°10'18"W., for a distance of 329.73 feet; thence along the arc of a 1206.23 foot radius curve to the right for a distance of 349.74 feet, said curve having a central angle of 1°36'45" and a long chord which bears S.62°42'12"W., for a distance of 348.52 feet; thence S.76°14'07"W., for a distance of 329.73 feet; thence S.78°50'50"W., for a distance of 23.80 feet to a point on the West line of Section 15, said point being the POINT OF TERMINUS of the herein described parcel of land and being S.01°40'46"W., a distance of 733.34 feet from the Northwest corner of said Section 15, said point being a Government Brass Cap Monument.

as conveyed from Mills M. Craig and Alma D. Craig to Empire Energy Corporation by Deed dated August 23, 1976 and recorded August 25, 1976 in Book 415 at Page 518.

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MOFFAT COUNTY, JESSIE ROWLEY - COUNTY CLERK &amp; REC'D REC #: 1996L 2365 WATER RESOURCES STATE ENGINEER COLO

- (8) - PARCEL NO. 1. A tract or parcel of land located in Lots 9 and 16, Section 9 and Lot 5, Section 10, T6N., R91W of the 6th P.M., Colorado and being more particularly described as follows: Beginning at a point on the South R.O.W. of State Highway No. 13, which point is N.1°57'W., 1917.71 feet and East 52.80 feet from the SE corner of said Section 9; thence S.19°59'32"E., 404.10 feet; thence S.59°38'25"W., 762.35 feet; thence N.53°51'37"W., 146.68 feet to a point on the South R.O.W. of State Highway 13; thence N.44°05'16"E., 234.82 feet along said R.O.W.; thence N.42°57'28"E., 696.68 feet along said R.O.W. to the Point of Beginning.

PARCEL NO. 2. A tract or parcel of land located in Lots 9 and 16, Section 9, Township 6 North, Range 91 West of the 6th P.M., Colorado and being more particularly described as follows: Beginning at a point which is N.1°57'W., 735.91 feet and West 43.40 feet from the SE corner of said Section 9; thence N.87°48'42"W., 476.76 feet; thence N.1°58'32"E., 398.11 feet; thence N.59°38'25"E., 533.10 feet; thence S.0°13'31"E., 685.53 feet, to the Point of Beginning

as conveyed from Mills M. Craig and Alma D. Craig to Billy R. Zimmerman et al by Deed dated May 2, 1977 and recorded May 4, 1977 in Book 424 at Page 774.

- (9) - A tract of land, being that portion of the northwest quarter of the northwest quarter (NW¼NW¼) of Section Fifteen (15), Township Six (6) North, Range Ninety-one (91) West of the Sixth (6th) Principal Meridian, County of Moffat, State of Colorado, lying southerly of the southerly right-of-way line of the railroad, said southerly right-of-way line being more particularly described as follows:

Commencing at the northwest corner of said Section 15; thence South 01°41'03" West along the west line of said section, 1280.6 feet to the intersection of said southerly right-of-way line with said west line, the Point of Beginning, from whence the west quarter (W¼) corner of Section 15 bears South 01°41'03" West, 1380.0 feet;

Thence along said southerly right-of-way line the following courses and distances:

Thence along a curve to the left, having a central angle of 07°49'45" and a radius of 3104.9 feet, an arc distance of 424.3 feet;  
Thence North 69°22'29" East, 11.7 feet;  
Thence North 69°02'38" East, 350.4 feet;  
Thence North 66°07'07" East, 54.8 feet;  
Thence along a curve to the left, having a central angle of 24°27'52" and a radius of 1541.6 feet, an arc distance of 657.5 feet to the east line of said NW¼NW¼, the Point of Termination.

Bearings are referenced to the Colorado State System of Plane Coordinates, North Zone. Distances are shown as ground distances.

as conveyed from Moffat County State Bank, a Colorado State Chartered Corporation to the United States of America, Department of Energy, Western Area Power Administration, by Deed dated June 28, 1989 and recorded June 28, 1989 in Book 603 at Page 451.

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EXHIBIT "A"  
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MOFFAT COUNTY, JESSIE ROWLEY - COUNTY CLERK & REC'D REC #: 1996L 2385

TOGETHER WITH:

- (1) All easements and rights-of-way appurtenant thereto,
- (2) All improvements fixtures and fences situate thereon save and except those used in the exploration and production of the minerals.
- (3) All water, water rights, ditch, ditch rights, reservoir, reservoir rights, of every kind or nature, with all structures and appurtenances appurtenant to and used in conjunction with the subject property, if any;

NOTE: As to the waters and water rights, grantor makes no warranties of any kind either to their title or as to their existence, amount, type or the quantity thereof.

SUBJECT TO:

1. Reservations and limitations of the underlying patent,
2. Reservations, mineral or otherwise, contained in any underlying deed or deeds constituting the record chain of title from patentee to grantor and to interests, if any, created thereunder,
3. Easements and rights-of-way of record;
4. Easements and rights-of-way, if any, not of record, but which have been established and now exist by operation of law upon said real property, or any portion or portions thereof;
5. All zoning and zoning restrictions and limitations, building and building requirements, adopted by any governmental agency having jurisdiction thereof and all ordinances, resolutions and decrees creating special statutory districts;
6. The burden of unreleased coal, oil, gas and other mineral or metal leases of record;
7. Right-of-way and associated rights contained in an instrument recorded in Book 78 at Page 440 of the records of Moffat County, Colorado;
8. Right-of-way and associated rights contained in instruments recorded in Book 301 at Page 207, and Book 308 at Page 595, both of the records of Moffat County, Colorado;
9. The provisions of instruments recorded as Misc. Nos. 3703 and 3737, both of the records of Moffat County, Colorado, insofar as the same may be applicable to or affect the Property.
10. Any rights, interests or easements in favor of any riparian owners, the State of Colorado, the United States of America, or the general public, which exist, have existed, or are claimed to exist in and over the waters and present and past bed and banks of the Yampa River.



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MOFFAT COUNTY, JESSIE ROWLEY - COUNTY CLERK & RECORDER REC #: 1996L 2385

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EXHIBIT "B"  
TO  
WARRANTY DEED

APR 15 2014

WATER RESOURCES  
STATE ENGINEER  
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A parcel of land lying in the SE1/4 of Section 9 and the SW1/4 of Section 10, Township 6 North, Range 91 West, 5TH P. M., Moffat County, Colorado and being the centerline of a gas pipeline, being more particularly described as follows:

BEGINNING at a point lying North 31 degrees 47' 37" West, 399.41 feet from the Southeast Corner of said Section 9;

THENCE South 78 degrees 51' 14" East, 393.36 feet;

THENCE North 85 degrees 15' 34" East, 175.15 feet;

THENCE North 68 degrees 21' 01" East, 231.00 feet;

THENCE North 56 degrees 32' 15" East, 1110.86 feet;

THENCE North 38 degrees 00' 59" East, 392.15 feet;

THENCE South 48 degrees 40' 41" East, 557.39 feet;

THENCE South 24 degrees 22' 47" East, 349.00 feet;

THENCE South 20 degrees 26' 00" East, 561.75 feet to a point on the centerline of an easement as described in book 342 at Page 836 in the records of Moffat County, Colorado

The South line of said Section 9 is considered to bear North 89 degrees 23' 33" West and is witnessed by a GLO Brass Cap on each end.

**Permit Application Change Form**

To be used when issuing well permits based upon information other than as received. Please file with final Permit

Receipt No. 3664425

Name of Applicant B0060

Summary of change(s):

Approved for an annual amount of ground water  
to be withdrawn not to exceed 194.56 acre-feet,  
modifying Item 7 on the well permit application  
form.

- The old permitted uses of 184.9 annual  
acre-feet, combined with the evaporation off  
of Fox Pointe Pond 2, at 9.66 acre-feet,  
give a total of 194.56 acre-feet of annual  
appropriation. The applicant had indicated 227.53  
acre-feet in Item 7.

Date 4/24/14

Signed John Gabert

Print Name John Gabert



**INSTRUCTIONS CHANGE OWNERSHIP-ADDRESS LOCATION CORRECTION FORM JULY 1993****NO FEE IS REQUIRED**

The form must be typewritten or printed in **BLACK INK**. Initial and date any changes you make on the form.

**THIS FORM MAY BE REPRODUCED BY PHOTOCOPYING OR WORD PROCESSING MEANS.**

**INCOMPLETE FORMS WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.**

1. Print the new owner's name and include the mailing address and phone number.
2. Indicate if the change in ownership/address is for a well permit, livestock water tank or erosion control dam. Be sure to include the proper permit, tank or dam number.
3. Complete the well location information. If the address of the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner; i.e. North Well. The actual well location must include 1/4, 1/4, Section, Township and Range. Check the appropriate boxes for North or South and East or West directions. Complete the Subdivision, Lot, Block and Filing information, if applicable.
4. Complete the location information for the livestock water tank or erosion control dam. The actual location must include 1/4, Section, Township, Range and P.M. Check the appropriate boxes for North or South and East or West directions.
5. Check the reason(s) for submitting the form, whether it is a change in ownership/address and/or location correction.
6. The owner of the structure must sign. Print or type your name in the first block if it is different from Item No. 1. If signing as a representative of a company who owns the structure, then your title must also be included in the first block. Sign the second block and date the last block.

**USE THIS FORM TO CORRECT THE LOCATION OF YOUR WELL IF:**

- A. Your well was permitted, registered, or first used prior to May 8, 1972 for ordinary household purposes in up to three single-family dwellings, fire protection, the watering of poultry, domestic animals, and livestock on farms and ranches and the irrigation of not over one acre of home gardens and lawns.
- B. Your well is not of the type described in A above, but was permitted or registered prior to May 17, 1965. Inside the Designated Ground Water Basins, other procedures and publication may be required.
- C. Your well was decreed by the Water Court for the correct location.

**IN ALL OTHER CASES USE FORM GWS-42**

**All other types of changes concerning Livestock Water Tanks and Erosion Control Dams should be submitted on the standard Permit Application form and be accompanied by a \$15.00 filing fee.**

**If you have questions, contact the Denver or the Division Office where your well is located.**

**DIVISION 1**  
800 8th Ave Rm 321  
Greeley CO 80631  
(303) 352-8712

**DIVISION 2 Box 5728**  
219 W 5th Rm 223  
Pueblo CO 81003  
(719) 542-3368

**DIVISION 3 Box 269**  
422 4th St  
Alamosa CO 81101  
(719) 589-6683

**DIVISION 4 Box 456**  
1540 E Niagara  
Montrose CO 81402  
(303) 249-6622

**DIVISION 5 Box 396**  
50633 US Hwy 6 & 24  
Glenwood Spgs CO 81601  
(303) 945-5665

**DIVISION 6 Box 773450**  
625 So. Lincoln Ave  
Strmbt Spgs CO 80477  
(303) 879-0272

**DIVISION 7 Box 1880**  
1474 Main St  
Durango CO 81302  
(303) 247-1845

**DENVER OFFICE**  
Rm 821  
1313 Sherman St  
Denver CO 80203  
(303) 866-3581

THIS FORM MUST BE  
SUBMITTED PRIOR TO  
THE EXPIRATION OF THE  
PERMIT. TYPE OR  
PRINT IN BLACK INK.  
COPY OF ACCEPTED  
STATEMENT MAILED  
ON REQUEST.

# COLORADO DIVISION OF WATER RESOURCES

300 Columbine Bldg., 1845 Sherman St.

Denver, Colorado 80203

RECEIVED

SEP 23 '75

WATER RESOURCES  
STATE ENGINEER  
C.O.

STATE OF COLORADO

COUNTY OF MOFFAT

SS.

AFFIDAVIT

LATE REGISTRATION

X STATEMENT OF BENEFICIAL USE OF GROUND WATER  
\_\_\_\_ AMENDMENT OF EXISTING RECORD

PERMIT NUMBER 81159

LOCATION OF WELL

THE AFFIANT(S) Robert E. Loudy and William E. Loudy, General Partners, of Loudy Ranch, a Partnership  
whose mailing address is P. O. Box 355

County Moffat

NE  $\frac{1}{4}$  of the SW  $\frac{1}{4}$ , Section 21

City Craig, Colorado 81625  
(STATE) (ZIP)

Twp. 6 N., Rng. 91 W., 6th P.M.  
(N OR S) (E OR W)

being duly sworn upon oath, deposes and says that ~~he~~ (they) ~~is~~ (are) the owner(s) of the well described hereon; the well is

located as described above, at distances of 2350 feet from the South section line and 1400 feet from the West section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the 1st day of July, 19 16; the maximum sustained flowing rate of the well is 1/2 gallons per minute, the flowing rate claimed hereby is 1/2 gallons per minute; the total depth of the well is 700 feet; the average annual amount of water to be diverted is 2 acre-feet; for which claim is hereby made for domestic and stock purpose(s); the legal description of the land on which the water from this well is used is NE 1/4 of the SW 1/4, Section 21, Township 6 N., Range 91 W. of the 6th P.M. which totals 1/4 acres and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; ~~he~~ (they) ~~has~~ (have) read the statements made hereon; knows the content thereof; and that the same are true of ~~his~~ (their) knowledge.

LOUDY RANCH, a Partnership,  
Signature(s) X Robert E. Loudy  
William E. Loudy General Partners  
Subscribed and sworn to before me on this 22 day of September, 19 75

My Commission expires: 12-22-75  
(SEAL) Fred O. Nideen  
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO  
PURSUANT TO THE FOLLOWING CONDITIONS:

## FOR OFFICE USE ONLY

Court Case No. \_\_\_\_\_

Prior. \_\_\_\_\_ Mo. \_\_\_\_\_ Day \_\_\_\_\_ Yr. \_\_\_\_\_

Div. 6 Cty. 71

Sec. \_\_\_\_\_  $\frac{1}{4}$ , \_\_\_\_\_  $\frac{1}{4}$ , \_\_\_\_\_  $\frac{1}{4}$ ,

Well Use 3

Dist. 44 Basin \_\_\_\_\_ Mon. Dis. \_\_\_\_\_

OCT 01 1975

DATE

Bruce E. DeBrune

DEPUTY STATE ENGINEER

R. H. Stallman

BY

Well drilled by \_\_\_\_\_ Lic. No. \_\_\_\_\_

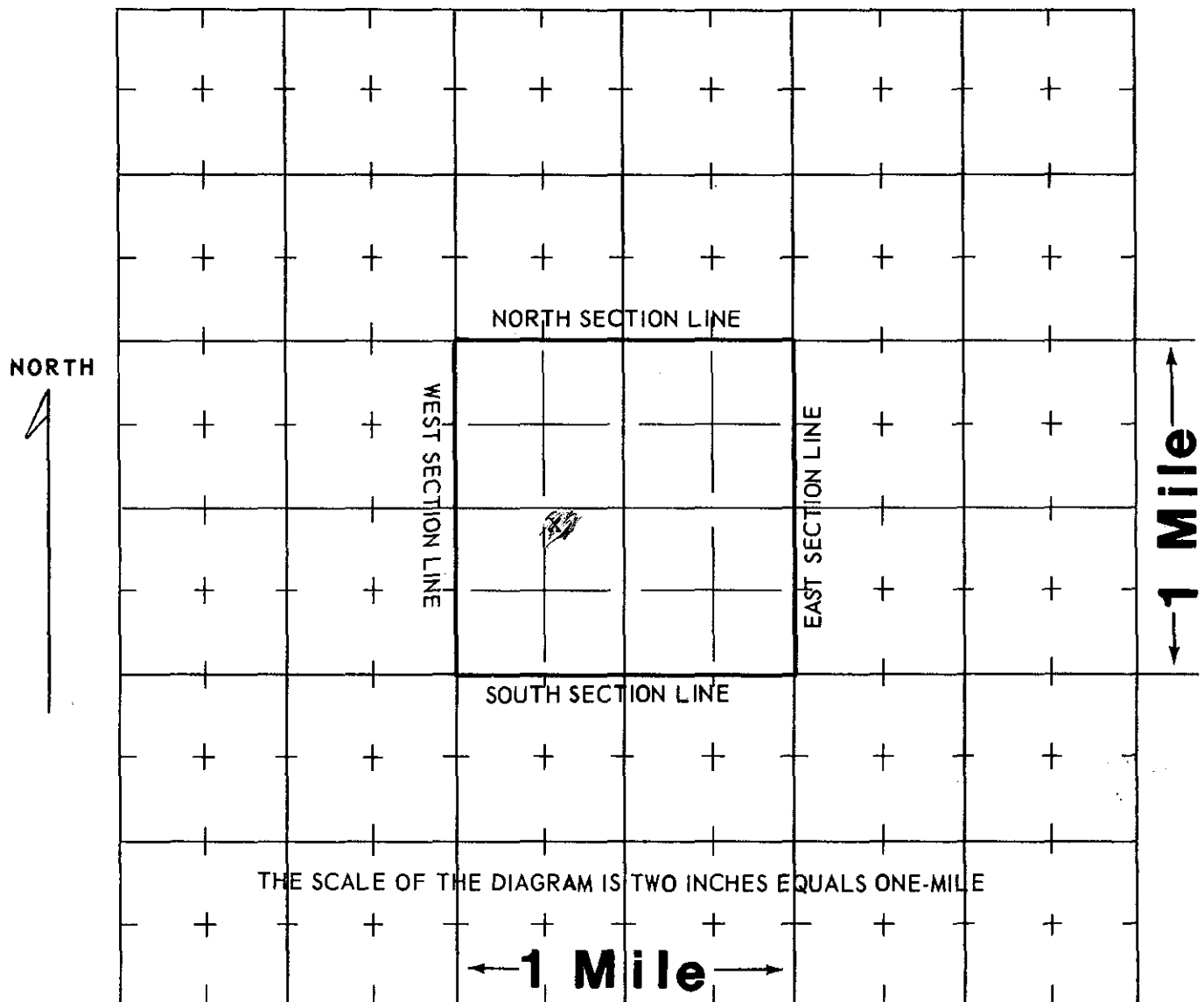
Pump installed by \_\_\_\_\_ Lic. No. \_\_\_\_\_

Meter Serial No. \_\_\_\_\_ ☐ Flow Meter Date Installed \_\_\_\_\_

Owner of land on which water is being used Fordy Ranch

THE LOCATION OF THE WELL MUST BE SHOWN AND THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents <sup>92418</sup> nine 36 sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



#### WATER EQUIVALENTS TABLE (Rounded Figures)

An acre-foot covers 1 acre of land 1 foot deep.

1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm).

1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.

1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

100 gpm pumped continuously for one year produces 160 acre-feet.



VIDEON & THORNBERRY

*Attorneys at Law*

515 YAMPA STREET

P. O. BOX 635

CRAIG, COLORADO 81625

FRED A. VIDEON  
THOMAS C. THORNBERRY

September 22nd, 1975

59  
RECEIVED  
SEP 23 '75  
WATER RESOURCES  
STATE ENGINEER  
COLO.

TELEPHONE 824-5727  
AREA CODE 303

Colorado Division of Water Resources  
300 Columbine Building  
1845 Sherman Street  
Denver, Colorado 80203

Gentlemen:

I am enclosing herewith for and on behalf of Robert E. Loudy and William E. Loudy, General Partners of Loudy Ranch, a Partnership, in duplicate, their Affidavit (Statement of Beneficial Use of Ground Water), duly signed and acknowledged.

Also enclosed is a check, payable to you, for the filing fee.

Please note that this is for an ARTESIAN WELL, which is flowing and is not pumped.

Very truly yours,

  
FRED A. VIDEON

FAV:mjv

enclosures

cc: Loudy Ranch  
P. O. Box 355  
Craig, Colorado 81625

## COLORADO DIVISION OF WATER RESOURCES

101 Columbine Bldg., 1845 Sherman St.  
Denver, Colorado 80203THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 85775-A

RECEIVED

FEB 28 '77

WATER RESOURCES  
STATE ENGINEER  
2012WELL OWNER Colonyo Coal Co. S.W. 1/4 of the N.E 1/4 of Sec. 21ADDRESS 3935 Prentice Bldg. 400 W. T. 6 N, R. 91 W., 6th P.M.DATE COMPLETED August 30, 1976 HOLE DIAMETER7 in. from 0 to 600 ft.       in. from        to        ft.       in. from        to        ft.

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	18	Top Soil	
18	70	Gravel-Sands	
700	200	Shale	
200	204	Sand St.	
204	580	Shale	
580	600	Wate-Sands.	
TOTAL DEPTH <u>600</u>			

Use additional pages necessary to complete log.

## CASING RECORD: Plain Casing

Size 6 5/8 & kind St from 0 to 200 ft.Size 4 1/4 & kind Plastic from 0 to 580 ft.Size        & kind        from        to        ft.

## Perforated Casing

Size 4 1/4 & kind Plastic from 580 to 600 ft.Size        & kind        from        to        ft.Size        & kind        from        to        ft.

## GROUTING RECORD

Material CementIntervals 6-18'Placement Method Hand PouredGRAVEL PACK: Size 3/8Interval 18-600'

## TEST DATA

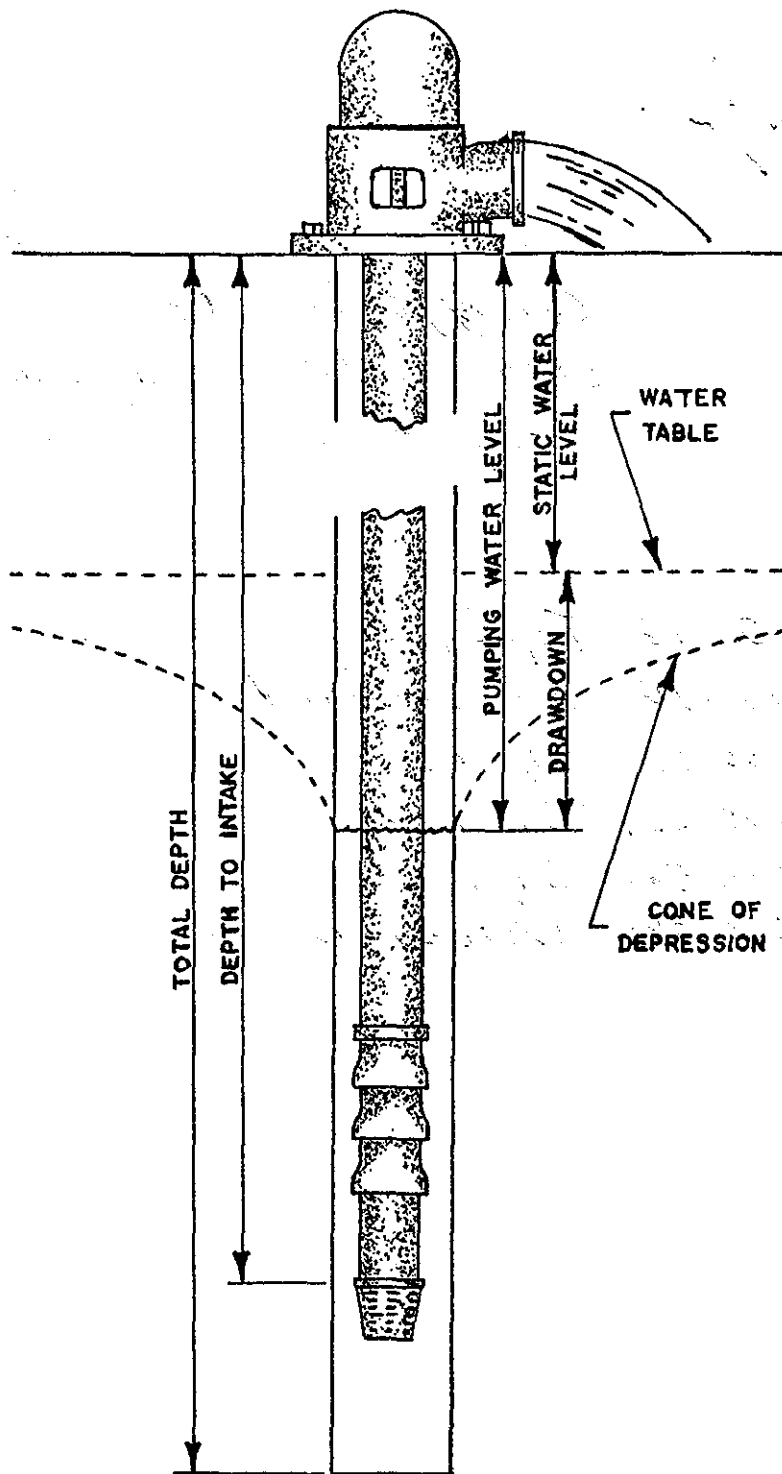
Date Tested 8/30/76, 19 AugStatic Water Level Prior to Test 6 ft.Type of Test Pump Hand Comp.Length of Test 5 hrs.Sustained Yield (Metered) 15 G.P.M.Final Pumping Water Level

# PUMP INSTALLATION REPORT

Pump Make \_\_\_\_\_  
 Type \_\_\_\_\_  
 Powered by \_\_\_\_\_ HP \_\_\_\_\_  
 Pump Serial No. \_\_\_\_\_  
 Motor Serial No. \_\_\_\_\_  
 Date Installed \_\_\_\_\_  
 Pump Intake Depth \_\_\_\_\_  
 Remarks \_\_\_\_\_

## WELL TEST DATA WITH PERMANENT PUMP

Date Tested \_\_\_\_\_  
 Static Water Level Prior to Test \_\_\_\_\_  
 Length of Test \_\_\_\_\_ Hours  
 Sustained yield (Metered) \_\_\_\_\_ GPM  
 Pumping Water Level \_\_\_\_\_  
 Remarks \_\_\_\_\_



## CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature Walter Kristian License No. 443

State of Colorado, County of Moffat SS

Subscribed and sworn to before me this 26 day of Feb, 19 77.

My Commission expires: 5/12/79

Notary Public Loren R. Gresham

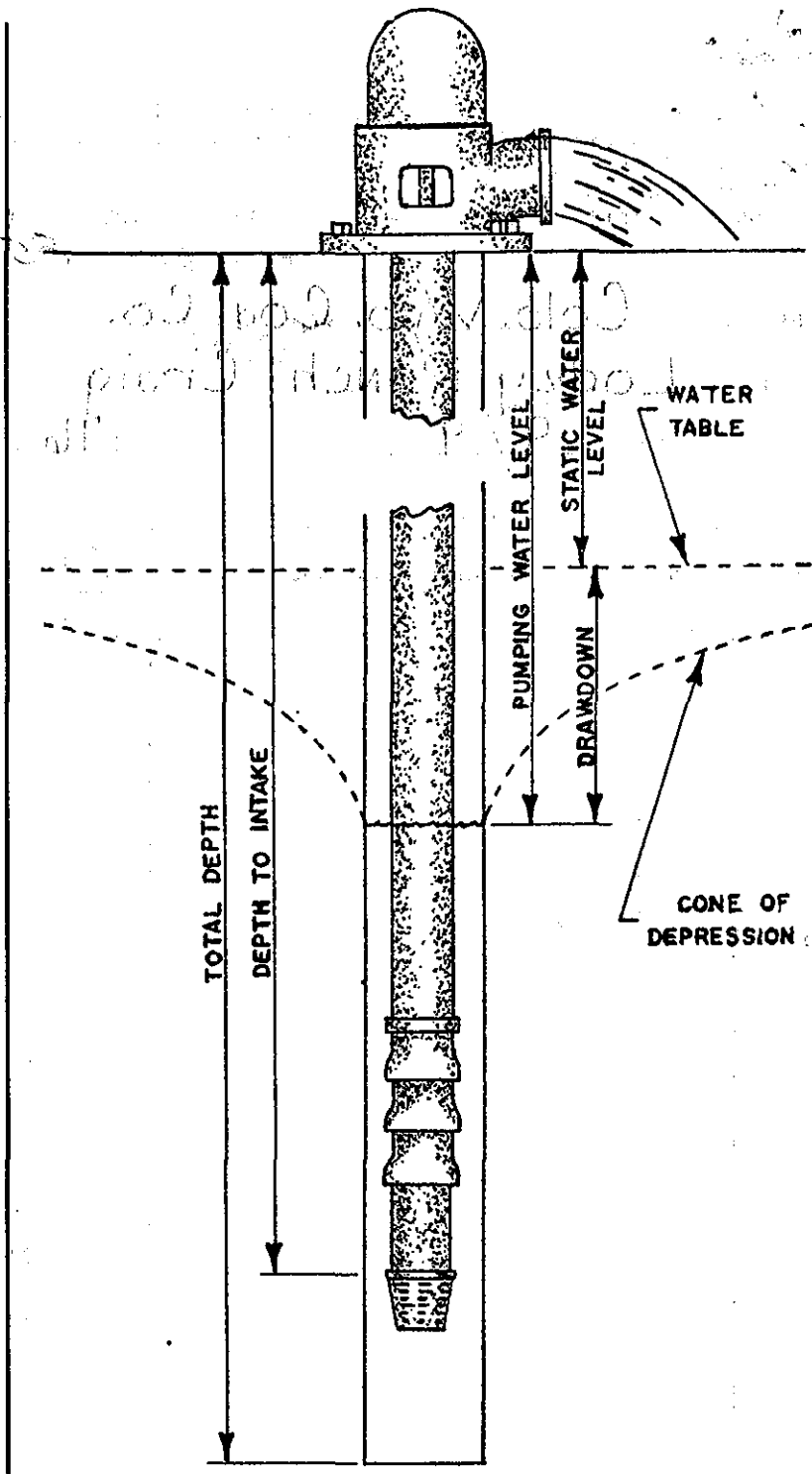


# PUMP INSTALLATION REPORT

Pump Make Goulds  
 Type Sub.  
 Powered by 230 V. HP 1  
 Pump Serial No. B0150412  
 Motor Serial No. B011056  
 Date Installed 9/9/76  
 Pump Intake Depth 300'  
 Remarks \_\_\_\_\_

## WELL TEST DATA WITH PERMANENT PUMP

Date Tested Not Tested  
 Static Water Level Prior to Test \_\_\_\_\_  
 Length of Test \_\_\_\_\_ Hours  
 Sustained yield (Metered) \_\_\_\_\_ GPM  
 Pumping Water Level \_\_\_\_\_  
 Remarks \_\_\_\_\_



## CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature Bill M. Dees License No. 872

State of Colorado, County of Moffat SS

Subscribed and sworn to before me this 28th day of Feb, 1977.

My Commission expires: March 11, 1980, 19  .

Notary Public Therese E. Varday

**COLORADO DIVISION OF WATER RESOURCES**  
101 Columbine Bldg., 1845 Sherman St., Denver, Colorado 80203

17A

**RECEIVED****AUG 16 '76**

WATER RESOURCES  
STATE ENGINEER  
COLO.

**PERMIT APPLICATION FORM**

Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

( ) A PERMIT TO USE GROUND WATER  
( ) A PERMIT TO CONSTRUCT A WELL  
FOR: ( ) A PERMIT TO INSTALL A PUMP

(x) REPLACEMENT FOR NO. NA UNRegistered

( ) OTHER \_\_\_\_\_

**(1) APPLICANT - mailing address**

Attn: Burl C. Jensen  
NAME Colowyo Coal Company  
STREET 7935 Prentice, Bldg. 40W  
CITY Englewood, Colorado 80110  
(State) (Zip)  
TELEPHONE NO. 303/773-1800

**(2) LOCATION OF PROPOSED WELL**

County Moffat  
SW 1/4 of the NE 1/4, Section 21  
Twp. 6 N, Rng. 91 W, 6th P.M.

**(3) WATER USE AND WELL DATA**

Proposed maximum pumping rate (gpm) 15  
Average annual amount of ground water to be appropriated (acre-feet): 1.5  
Number of acres to be irrigated: 1 acre  
Proposed total depth (feet): 700'  
Aquifer ground water is to be obtained from:  
Lewis Shale

Owner's well designation Loudy #2

**GROUND WATER TO BE USED FOR:**

( ) HOUSEHOLD USE ONLY - no irrigation (0)  
(x) DOMESTIC (1) ( ) INDUSTRIAL (5)  
( ) LIVESTOCK (2) ( ) IRRIGATION (6)  
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)  
( ) OTHER (9) \_\_\_\_\_

**(4) DRILLER**

Name Walt Visin Tainer  
Iron Clad Drilling Co.  
Street 371 Tucker  
City Craig Colorado 81625  
(State) (Zip)  
Telephone No. 824-3013 Lic. No. 443

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 73187 /

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant 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.

**APPROVED AS A REPLACEMENT OF WELL NO. 85775. THE EXISTING WELL MUST BE PLUGGED AND ABANDONED ACCORDING TO THE REVISED AND AMENDED RULES AND REGULATIONS FOR WATER WELL AND PUMP INSTALLATION CONTRACTORS. THE ENCLOSED AFFIDAVIT MUST BE SUBMITTED WITHIN SIXTY (60) DAYS AFTER THE CONSTRUCTION OF THE NEW WELL, AFFIRMING THAT WELL NO. 85775 WAS PLUGGED AND ABANDONED.**

**PLAIN (NON-PERFORATED) CASING MUST BE INSTALLED TO 200 FEET AND CEMENTED FROM 0 TO 200 FEET TO PREVENT THE PUMPING OR APPROPRIATION OF SURFICIAL GROUND WATERS.**

*FRS*

**APPLICATION APPROVED**

PERMIT NUMBER 85775-A

DATE ISSUED AUG 27 1976

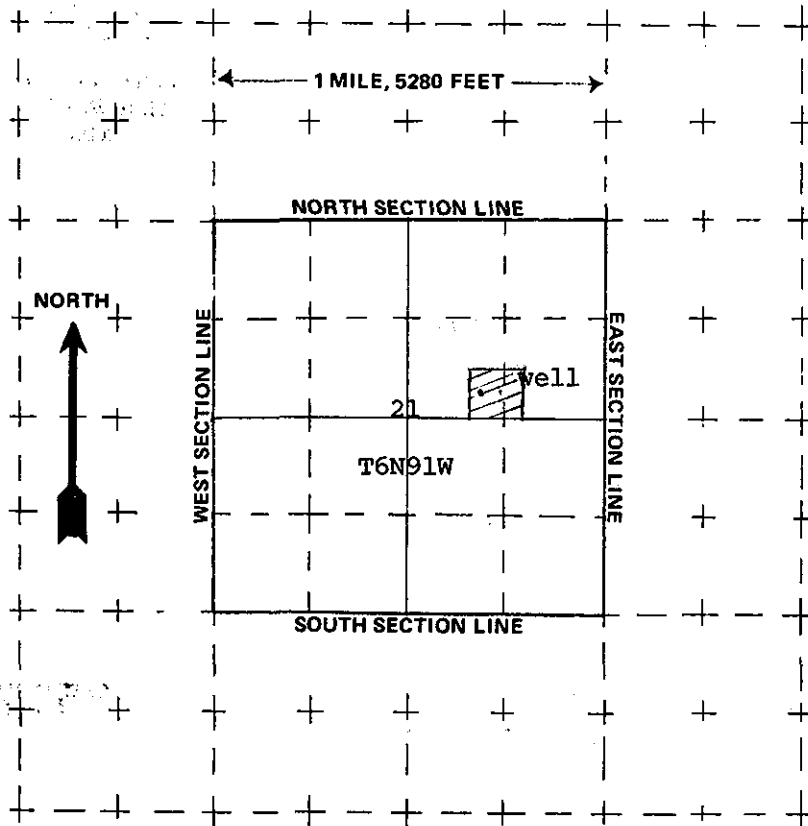
EXPIRATION DATE AUG 27 1978

Bruce E. DeBune  
DEPUTY (STATE ENGINEER)

BY R. A. Hellman

I.D. 6-44 COUNTY 41

(5) **THE LOCATION OF THE PROPOSED WELL** and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)  
A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) **THE WELL MUST BE LOCATED BELOW** by distances from section lines.

2400 ft. from North sec. line  
(north or south)

1350 ft. from East sec. line  
(east or west)

LOT NA BLOCK NA FILING # NA

SUBDIVISION NA

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: Colowyo Coal Co

No. of acres 40 Will this be

the only well on this tract? Yes

(8) **PROPOSED CASING PROGRAM**

Plain Casing

7" in. from 0 ft. to 200' ft.

in. from ft. to ft.

Perforated casing

4 1/2" in. from 200' ft. to 700' ft.

in. from ft. to ft.

(9) **FOR REPLACEMENT WELLS** give distance and direction from old well and plans for plugging it:

30' West of existing well;

existing well will be filled

with concrete.

(10) **LAND ON WHICH GROUND WATER WILL BE USED:**

Owner(s): Colowyo Coal Co. No. of acres: 10

Legal description: Parts of SE 1/4 SW 1/4 NE 1/4; SW 1/4 SE 1/4 NE 1/4 Sec. 21 T6NR91W

(11) **DETAILED DESCRIPTION** of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

Septic Tank

(12) **OTHER WATER RIGHTS** used on this land, including wells.

Type or right

Used for (purpose)

Description of land on which used

Surface

Irrigation

Agricultural

(13) **THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.**

SIGNATURE OF APPLICANT(S)



RECEIVED

## COLORADO DIVISION OF WATER RESOURCES

300 Columbine Bldg., 1845 Sherman St.  
Denver, Colorado 80203

AUG 16 '76

WATER RESOURCES  
STATE ENGINEER  
COLORADOTYPE OR  
PRINT IN BLACK INK  
COPY OF ACCEPTED  
STATEMENT MAILED  
ON REQUEST.

STATE OF COLORADO

COUNTY OF Denver

SS.

AFFIDAVIT

STATEMENT OF BENEFICIAL USE OF GROUND WATER  
AMENDMENT OF EXISTING RECORD  
☒ LATE REGISTRATION

UNREGISTERED

PERMIT NUMBER 85775

LOCATION OF WELL

THE AFFIANT(S) COLOWYO COAL COMPANY  
whose mailing  
address is 7935 PRENTICE BLDG 40  
City ENGLEWOOD COLORADO 80110  
(STATE) (ZIP)County MOFFAT  
SW  $\frac{1}{4}$  of the NE  $\frac{1}{4}$ , Section 21  
Twp. 6 N, Rng. 91 W, 6 P.M.  
(N OR S) (E OR W)being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is located as described above, at distances of 2400 feet from the NORTH section line and 1325 feet from the EAST section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the day of 1920; the maximum sustained pumping rate of the well is 15 gallons per minute, the pumping rate claimed hereby is 15 gallons per minute; the total depth of the well is 700 feet; the average annual amount of water to be diverted is 1.5 acre-feet; for which claim is hereby made for DOMESTICpurpose(s); the legal description of the land on which the water from this well is used is SW  $\frac{1}{4}$  NE  $\frac{1}{4}$  of SECTION 21 T6N R91W of which 40 acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) Subscribed and sworn to before me on this 16 day of August, 1976  
My Commission expires: Sept 4, 1978

73187

## FOR OFFICE USE ONLY

Court Case No. \_\_\_\_\_

Prior \_\_\_\_\_ Mo. \_\_\_\_\_ Day \_\_\_\_\_ Yr. \_\_\_\_\_

Div. 6 Cty. 41Sec. \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_Well Use 1Dist. 44 Basin \_\_\_\_\_ Mon. Dis. \_\_\_\_\_ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO  
PURSUANT TO THE FOLLOWING CONDITIONS:

AUG 27 1976

DATE

Bruce E. DeBine

DEPUTY STATE ENGINEER

R. A. Stallman

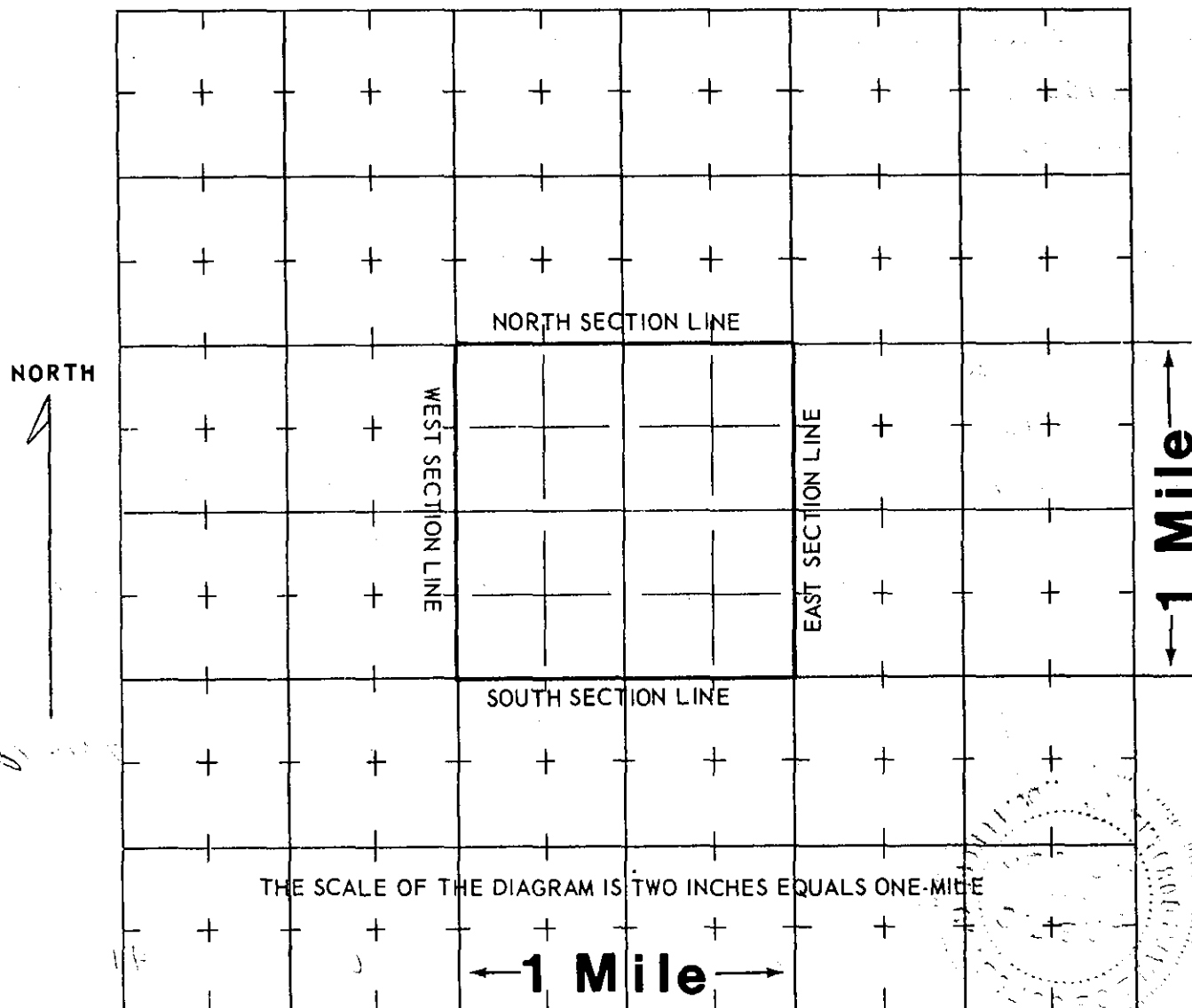
BY

RECEIVED

Well drilled by RECORDS UNAVAILABLE Lic. No. \_\_\_\_\_  
 Permanent Pump installed by \_\_\_\_\_ Lic. No. \_\_\_\_\_  
 Meter Serial No. \_\_\_\_\_ ☐ Flow Meter Date Installed \_\_\_\_\_  
 Owner of land on which water is being used \_\_\_\_\_

THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



WATER EQUIVALENTS TABLE (Rounded Figures)

An acre-foot covers 1 acre of land 1 foot deep.  
 1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm).  
 1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
 1,000 gpm pumped continuously for one day produces 4.42 acre-feet.  
 100 gpm pumped continuously for one year produces 160 acre-feet.

(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER  
 PINK COPY WILL BE RETURNED TO OWNER)

## COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818  
Denver, Colorado 80203THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 92796WELL OWNER Gline R. Hadden SW ¼ of the SE ¼ of Sec. 9  
ADDRESS 1915 Owens Ct. T. 6 N, R. 91 W, 6th P.M.  
DATE COMPLETED Sept 20, 1977

## HOLE DIAMETER

6 3/4 in. from 0 to 60 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

## DRILLING METHOD

## CASING RECORD:

Plain Casing

Size 4 1/2 & kind plastic from 0 to 40 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## Perforated Casing

Size 4 1/2 & kind plastic from 40 to 60 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## GROUTING RECORD

Material

cement

Intervals

0 - 10

Placement Method

Hand

GRAVEL PACK: Size

3/8

Interval

10 - 60

## TEST DATA

Date Tested \_\_\_\_\_, 19 \_\_\_\_\_

Static Water Level Prior to Test \_\_\_\_\_ ft.

Type of Test Pump \_\_\_\_\_

Length of Test \_\_\_\_\_

Sustained Yield (Metered) \_\_\_\_\_

Final Pumping Water Level \_\_\_\_\_

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	10	surface	
10	16	gravel	
16	55	shale	
55	60	white sandstone	
TOTAL DEPTH <u>60</u>			

Use additional pages necessary to complete log.

RECEIVED

NOV 25 '77

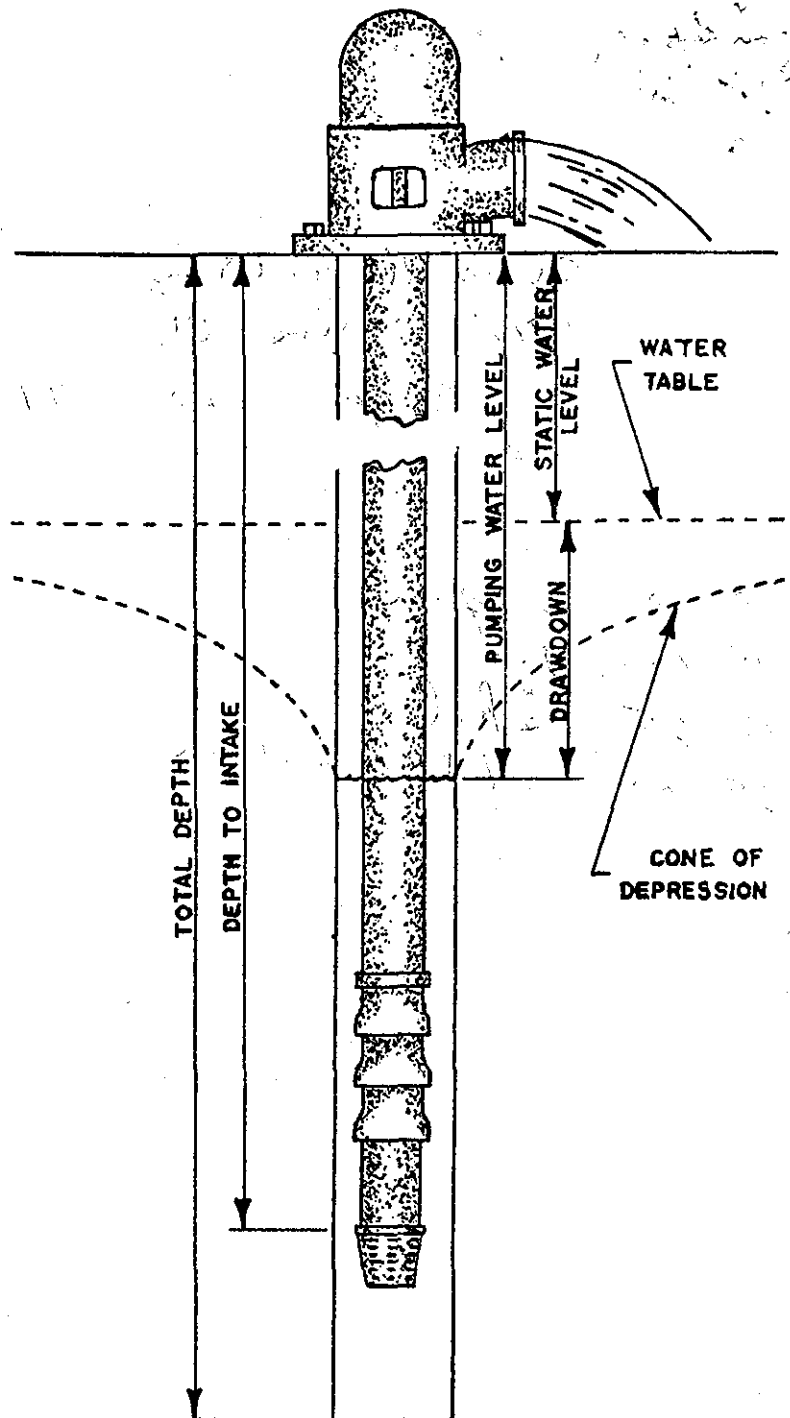
WATER RESOURCES  
STATE ENGINEER  
COLO.

# PUMP INSTALLATION REPORT

Pump Make \_\_\_\_\_  
Type \_\_\_\_\_  
Powered by \_\_\_\_\_ HP \_\_\_\_\_  
Pump Serial No. \_\_\_\_\_  
Motor Serial No. \_\_\_\_\_  
Date Installed \_\_\_\_\_  
Pump Intake Depth \_\_\_\_\_  
Remarks \_\_\_\_\_

## WELL TEST DATA WITH PERMANENT PUMP

Date Tested \_\_\_\_\_  
Static Water Level Prior to Test \_\_\_\_\_  
Length of Test \_\_\_\_\_ Hours  
Sustained yield (Metered) \_\_\_\_\_ GPM  
Pumping Water Level \_\_\_\_\_  
Remarks \_\_\_\_\_



## CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature James Leroy Hensel License No. 874  
State of Colorado, County of Moffat SS  
Subscribed and sworn to before me this 21 day of Nov, 19 27.  
My Commission expires: Feb 2, 19 81.  
Notary Public Carl Burch

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

**RECEIVED****AUG 18 '77**

**WATER RESOURCES  
STATE ENGINEER  
COLO.**

**PERMIT APPLICATION FORM**

Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

( ) A PERMIT TO USE GROUND WATER  
(☒) A PERMIT TO CONSTRUCT A WELL  
FOR: (☒) A PERMIT TO INSTALL A PUMP

( ) REPLACEMENT FOR NO. \_\_\_\_\_  
( ) OTHER \_\_\_\_\_  
WATER COURT CASE NO. \_\_\_\_\_

PR

**(1) APPLICANT - mailing address**

NAME CLIVE R. HADDEN  
STREET 1915 OWENS CR.  
CITY LAKEWOOD, COLO. 80215  
(State) (Zip)  
TELEPHONE NO. 237-3142

**(2) LOCATION OF PROPOSED WELL**

County PROFFATT  
SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$ , Section 9  
Twp. 6N (N.S), Rng. 9W (E.W), 6th P.M.

**(3) WATER USE AND WELL DATA**

Proposed maximum pumping rate (gpm) 15  
Average annual amount of ground water to be appropriated (acre-feet): 1.5 ACRE FT.  
Number of acres to be irrigated:  $\frac{1}{8}$  ACRE  
Proposed total depth (feet): 400'  
Aquifer ground water is to be obtained from:

Owner's well designation \_\_\_\_\_

**GROUND WATER TO BE USED FOR:**

( ) HOUSEHOLD USE ONLY - no irrigation (0)  
(☒) DOMESTIC (1) ( ) INDUSTRIAL (5)  
( ) LIVESTOCK (2) ( ) IRRIGATION (6)  
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)  
( ) OTHER (9) \_\_\_\_\_

DETAIL THE USE ON BACK IN (11)

**(4) DRILLER**

Name JOHN CLAD DRILLING CO  
Street P.O. Box 114  
City CRAIG, COLO.  
(State) (Zip)  
Telephone No. 824-6326 Lic. No. 443

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 84638  
Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

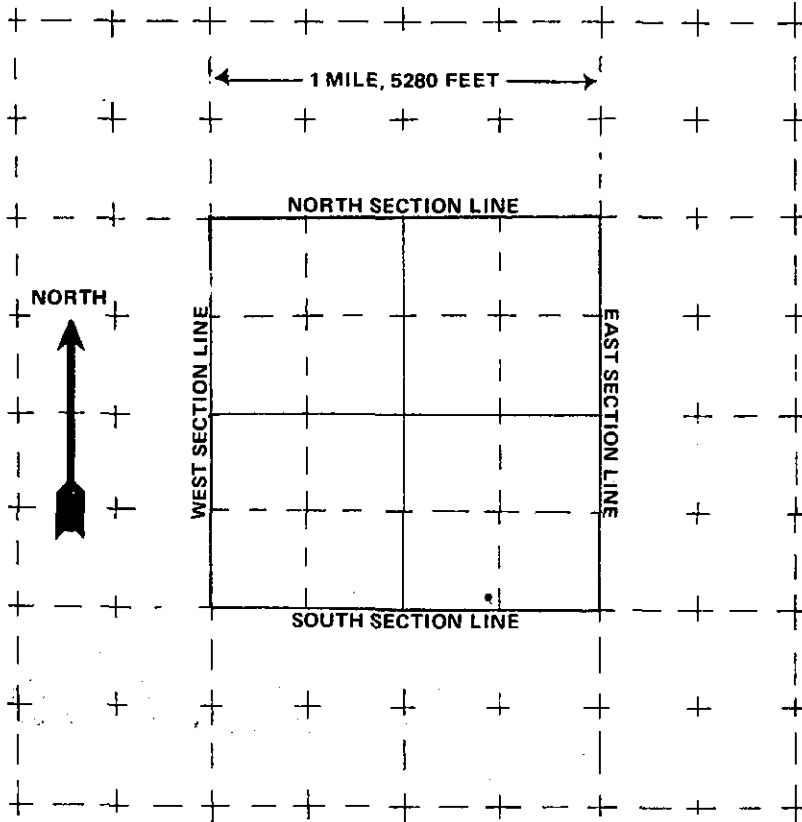
This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

**APPROVED FOR DOMESTIC USE, INCLUDING THE IRRIGATION OF NOT OVER ONE ACRE OF HOME GARDENS AND LAWNS.**

**APPLICATION APPROVED**

PERMIT NUMBER 92796  
DATE ISSUED AUG 29 1977  
EXPIRATION DATE AUG 29 1979  
Bruce E. DeBrine  
DEPUTY (STATE ENGINEER)  
BY R. A. Stallman  
I.D. 6-44 COUNTY 41

(5) **THE LOCATION OF THE PROPOSED WELL** and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)  
A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) **THE WELL MUST BE LOCATED BELOW** by distances from section lines.

350 ft. from SOUTH (north or south) sec. line

1340 ft. from EAST (east or west) sec. line

LOT 15 BLOCK D FILING # —

SUBDIVISION NONE

(7) **TRACT ON WHICH WELL WILL BE LOCATED** Owner: CLIVE R. HADDEN

No. of acres 3.292 Will this be the only well on this tract? YES

(8) **PROPOSED CASING PROGRAM**

Plain Casing

6 5/8 in. from 0 ft. to 300 ft.

Perforated casing

6 5/8 in. from 300 ft. to 400 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(9) **FOR REPLACEMENT WELLS** give distance and direction from old well and plans for plugging it:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(10) **LAND ON WHICH GROUND WATER WILL BE USED:**

Owner(s): HADDEN No. of acres: 3.292

Legal description: SW 1/4 SE SEC. 9 QN - 91W

(11) **DETAILED DESCRIPTION** of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

DOMESTIC USE  
SEPTIC SYSTEM - LEACH FIELD

(12) **OTHER WATER RIGHTS** used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right	Used for (purpose)	Description of land on which used
_____	_____	_____

(13) **THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.**

[Signature]  
SIGNATURE OF APPLICANT(S)

WRJ 25-79

TYPE OR  
PRINT IN BLACK INK  
COPY OF ACCEPTED  
STATEMENT MAILED  
ON REQUEST.

# COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St.  
Denver, Colorado 80203

## RECEIVED

### JUL 18 1979

WATER RESOURCES  
STATE ENGINEER

AFFIDAVIT

STATE OF COLORADO

COUNTY OF Moffat

SS.

X STATEMENT OF BENEFICIAL USE OF GROUND WATER

X AMENDMENT OF EXISTING RECORD Name Change

       LATE REGISTRATION

PERMIT NUMBER 92796

LOCATION OF WELL

THE AFFIANT(S) Albert Gonzales and Peggy Gonzales

County Moffat

whose mailing

address is 820 Yampa

SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$ , Section 9

City Craig, CO 81625

(STATE)

(ZIP)

Twp. 6 N, Rng. 91 W, 6th P M

(N OR S)

(E OR W)

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is

located as described above, at distances of 350 feet from the south section line and 1340 feet from the

(NORTH OR SOUTH)

east section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the 14

(EAST OR WEST)

day of July, 19 79; the maximum sustained pumping rate of the well is 10 gallons per minute, the pumping

rate claimed hereby is 10 gallons per minute; the total depth of the well is 60 feet; the average annual amount

of water to be diverted is 1.5 acre-feet; for which claim is hereby made for domestic

       purpose(s); the legal description of the land on which the water from this well is used is

SW SE Section 9, T6N, R91W, 6th PM

of which

1 acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) Peggy Gonzales

Subscribed and sworn

to before me on this 16 day of July, 19 79

My Commission expires: Jan 21, 1981

(SEAL)

Karen McPherson  
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO  
PURSUANT TO THE FOLLOWING CONDITIONS:

FOR OFFICE USE ONLY

Court Case No.       

Prior.        Mo.        Day        Yr.       

Div. 6 Cty. 41

Sec.         $\frac{1}{4}$ ,         $\frac{1}{4}$ ,         $\frac{1}{4}$

Well Use 1

Dist. 44 Basin        Man. Dis.       

DATE

STATE ENGINEER

BY

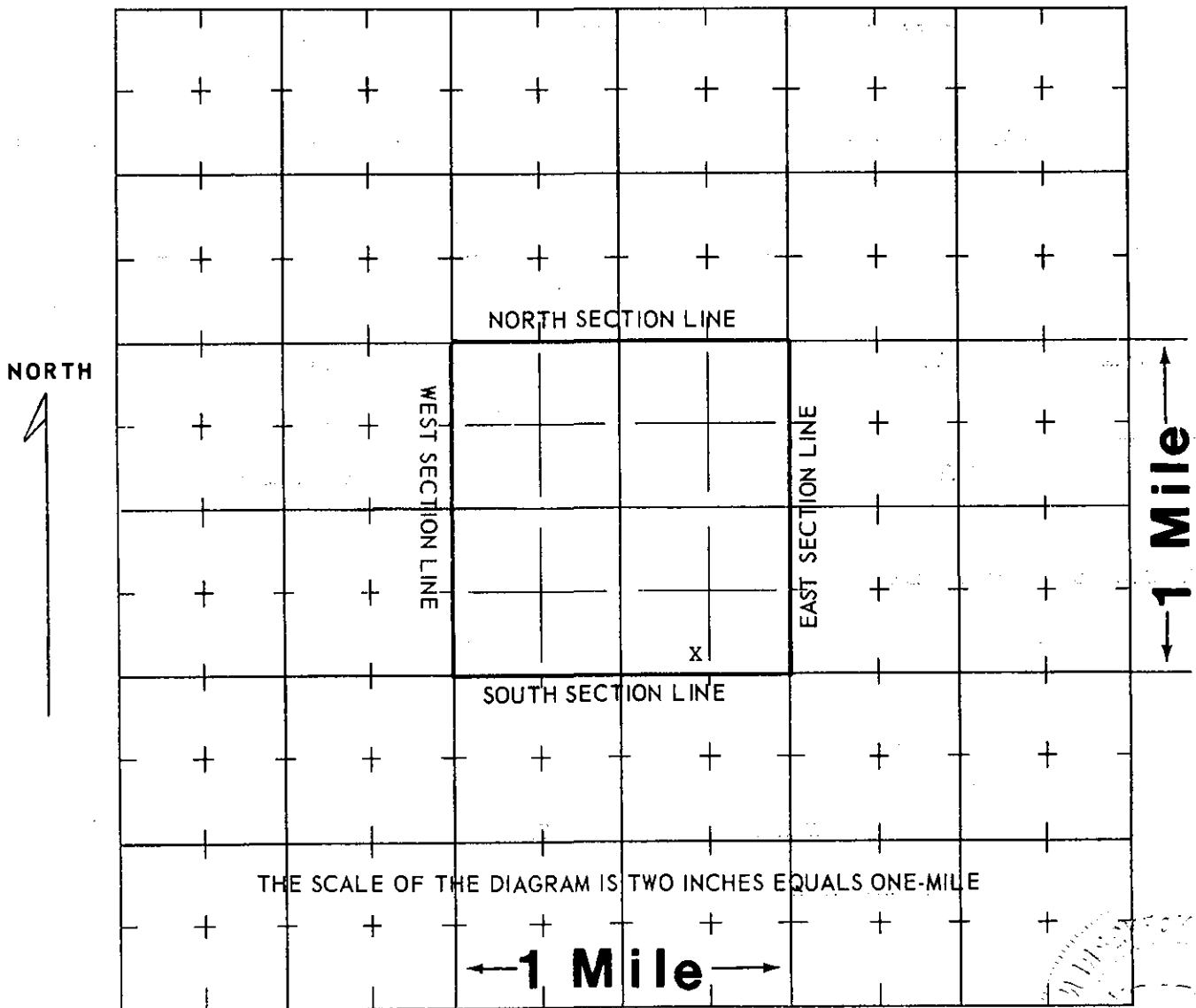
R. A. Stettin



Well drilled by James Herrod Lic. No. 874  
 Permanent Pump installed by Self Lic. No. \_\_\_\_\_  
 Meter Serial No. \_\_\_\_\_ ☐ Flow Meter Date Installed \_\_\_\_\_  
 Owner of land on which water is being used \_\_\_\_\_

**THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.**

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep.  
 1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm).  
 1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
 1,000 gpm pumped continuously for one day produces 4.42 acre-feet.  
 100 gpm pumped continuously for one year produces 160 acre-feet.

**(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER  
 PINK COPY WILL BE RETURNED TO OWNER)**

RECEIVED

MAY 10 '82

WATER RESOURCES  
STATE ENGINEER  
COLORADO

STATE OF COLORADO  
DIVISION OF WATER RESOURCES

STATE OF COLORADO

COUNTY OF

SS

AFFIDAVIT

The affiant(s) AL GONZALES PEGGY GONZALES whose  
mailing address is BOX 606, CRAIG,  
(Street) (City)  
COLO, 81626, being duly sworn upon oath  
(State) (Zip Code)

deposes and says that ~~he~~ ~~(she)~~ (they) ~~is~~ (are) the owner(s) of the following  
described property situate in the County of MOFFAT State of  
Colorado: (insert or attach one of the following types of legal description  
for your specific acreage: metes and bounds; survey plat; or lot No., block  
No., filing No., and subdivision name.)

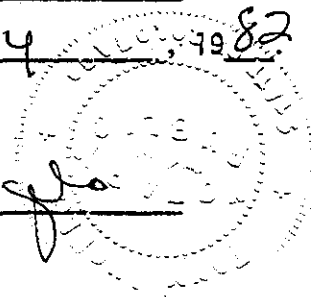
Further, the affiant(s) depose(s) and say(s) that ~~he~~ ~~(she)~~ (they) ~~has~~ (have)  
read the statements made herein; knows the contents hereof; and that the same are  
true of his ~~(her)~~ (their) own knowledge.

Al Gonzales  
Peggy Gonzales

Subscribed and sworn to before me this 5 day of MAY

My Commission expires: March 18, 1985

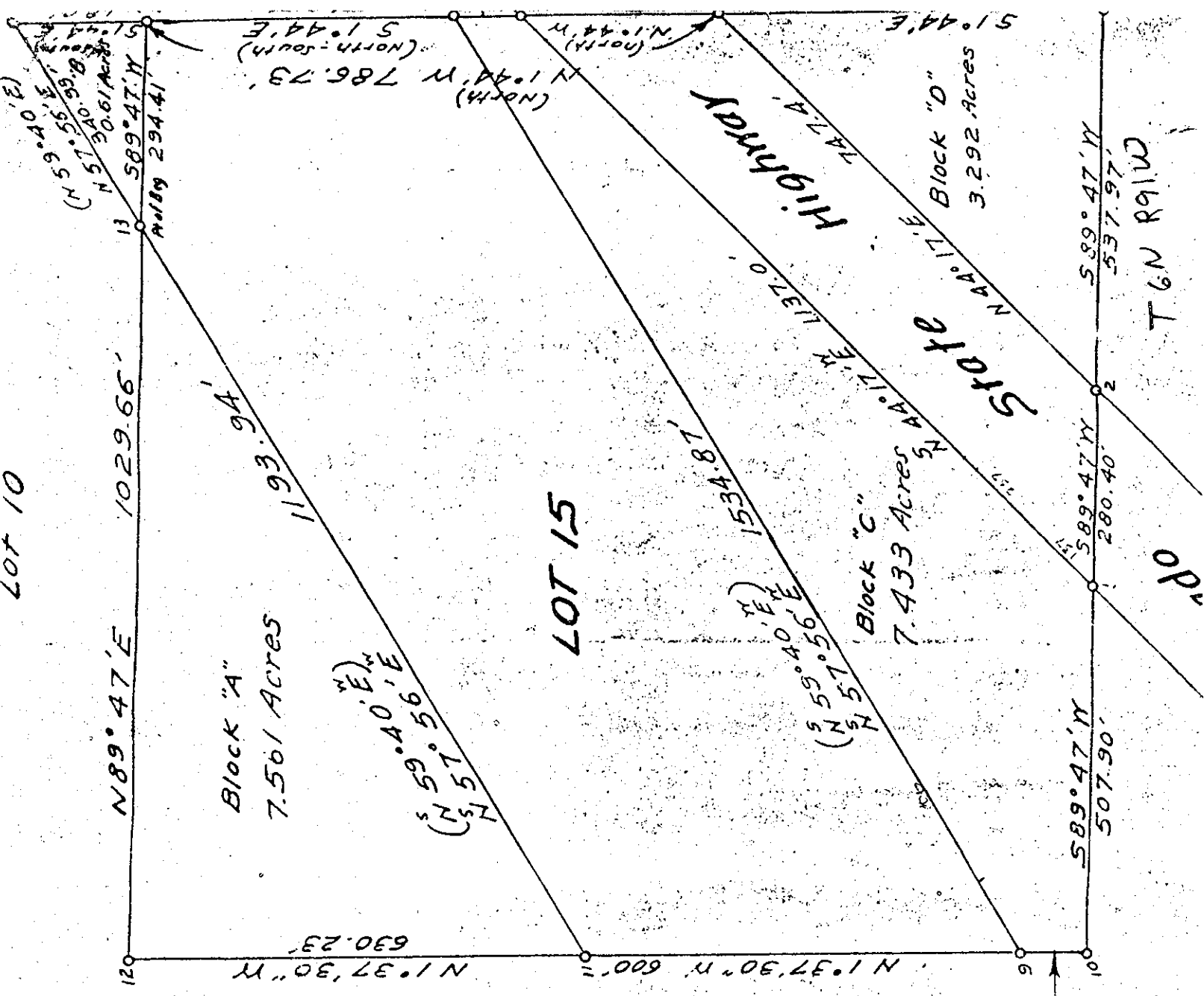
Danny Angella  
Notary Public



01407

N 89° 47' E 80.22'

OWNERSHIP--INDEX  
MAP



[illegible]

Applicant: \_\_\_\_\_ Date Sub.: \_\_\_\_\_  
 Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ PM: \_\_\_\_\_


Remarks: _____	Eval. by: _____	Date: _____	Aquifer: _____
			Elev. of top
			Elev. of bottom
			Sat thickness
			Thickness
			Sp. Yield
			Source for St.
			Site Elev.
			Prop. Plain
			Prop. Perf
			Acreage
			213 Acreage
			Approp.



Applicant: \_\_\_\_\_ Date Sub.: \_\_\_\_\_  
 Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ PM: \_\_\_\_\_

Remarks:	Eval. by:	Date:	Aquifer:		
			Elev. of top		Site Elev.
			Elev. of bottom		Prop. Plain
			Sat thickness		Prop. Perf
			Thickness		
			Sp. Yield		Acresage
			Source for St.		213 Acresage
					Acresage



RICHARD D. LAMM  
Governor



92796A

JERIS A. DANIELSON  
State Engineer

**OFFICE OF THE STATE ENGINEER**  
DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818  
Denver, Colorado 80203  
(303) 866-3581

June 4, 1982

Mr. Walt Visintainer  
1652 Heather  
Craig, CO 81626

RE: Test Well -- S 9, Township 6 North, R 91 West, Moffet County

Dear Mr. Visintainer:

Your intent to drill a test well is acknowledged. Pump testing of the well shall not exceed seven days. The test well must be plugged and abandoned within 60 days unless written approval of a longer period or a permit to construct a well has been obtained from this office.

Please notify this office when the hole was plugged and the intervals and type of materials used on the enclosed affidavit form. Copies of all logs and test data must be submitted to this office.

Very truly yours,

Ralph A. Stallman  
Water Resources Engineer  
Ground Water Section

RAS:jmm

Enclosures

cc: Division 6  
Water Commissioner, Dist. 4

RICHARD D. LAMM  
Governor



*file*  
JERIS A. DANIELSON  
State Engineer

**OFFICE OF THE STATE ENGINEER  
DIVISION OF WATER RESOURCES**

1313 Sherman Street-Room 818  
Denver, Colorado 80203  
(303) 866-3581

April 28, 1982

Mr. Al Gonzales  
P.O. Box 606  
Craig, CO 81626

Dear Mr. Gonzales:

Your application for a replacement permit for well permit No. 92796 has been reviewed. It is being returned to you for additional information.

On your application you have indicated the well will be used for domestic purposes and the irrigation of 3.292 acres. You also indicate a proposed depth of 1000 feet.

The old permit No. 92796 was issued as an exempt domestic well. Our definition of domestic includes the watering of not more than one (1) acre of lawns and gardens. At the proposed depth, the well would withdraw ground water from a source different from that of the old well. At that depth we could only approve a permit for Household Use Only with no irrigation.

If, as the application indicates, you do intend to irrigate the 3.292 acres the application will be evaluated as a new permit application under the provisions of C.R.S. 1973, 37-90-137.

Please clarify your intentions as to the use of the well and resubmit the application along with the enclosed Affidavit of Ownership.

Feel free to contact Betty Dyce of this office if you have any questions concerning this matter.

Very truly yours,

Ralph A. Stallman  
Water Resources Engineer  
Ground Water Section

RAS/BJD:ew  
Enclosures

Form No.  
GWS-11  
08/2016

**STATE OF COLORADO**  
**OFFICE OF THE STATE ENGINEER**  
1313 Sherman St., Ste 821, Denver, CO 80203  
(303)866-3581  
[dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us)

For Office Use Only

**RECEIVED**

**AUG 07 2018**

WATER RESOURCES  
STATE ENGINEER  
COLO

**RECEIVED**

**AUG 24 2018**

WATER RESOURCES  
STATE ENGINEER  
COLO

**CHANGE IN OWNER NAME/ ADDRESS**  
**CORRECTION OF THE WELL LOCATION**

PRIOR TO COMPLETING THIS FORM, SEE INSTRUCTIONS ON REVERSE SIDE  
INCOMPLETE, POOR QUALITY, OR ILLEGIBLE FORMS CANNOT BE PROCESSED AND WILL BE RETURNED

Name, address and phone of person claiming ownership of the well permit:

NAME(S): Jennifer Dorr and Bryan Dorr

Mailing Address: PO Box 880757

City, ST. Zip: Steamboat Springs, CO 80488  
bryanandjennie@msn.com

Phone: (970) 309-5808

Email: dorrjan@msn.com

Well Permit Number: 92796-A

Receipt Number: 9119623

Case Number: \_\_\_\_\_

27314 S. Highway 13.

Street Address at Well Location

Craig,  
City

CO  
State

81625  
Zip

☐ Check if well address is same as owner's mailing address

SW 1/4 of the SE 1/4, Sec. 9, Twp. 6N ☒ N. or ☐ S., Range 91W ☒ E. or ☐ W., SIXTH P.M.

Distance from Section Line: 320 Ft. From ☐ N. or ☒ S., 1340 Ft. From ☒ E., or ☐ W. Line.

OR: GPS well location information in UTM format. You must check GPS unit for required settings as follows:

Format must be UTM, ☐ zone 12 or ☐ zone 13; Units must be meters; Datum must be NAD83; Unit must be set to true north.

Subdivision Name \_\_\_\_\_ Lot \_\_\_\_\_, Block \_\_\_\_\_, Filing/Unit \_\_\_\_\_

NOTE: If changing/correcting the permitted location of a well, use Form No. GWS-42.

I (we) claim and say that I (we) (are) the owner(s) of the well permit described above, know the contents of the statements made herein, and state that they are true to my (our) knowledge. This filing is made pursuant to C.R.S. 37-90-143.

Signature(s) of the new owner  
Jennifer Dorr and Bryan Dorr

Please print the Signer's Name & Title

Date  
8/3/18

It is the responsibility of the new owner of this well permit to complete and sign this form. If an agent is signing or entering information, please see instructions.

Please allow 4 to 6 weeks for processing of this form. Thereafter, you can view or print the accepted document at:  
<http://www.dwr.state.co.us/WellPermitSearch>

Signature of DWR staff indicates acceptance as a Change of Owner Name and/or Mailing Address  
For Staff Use Only

Staff Signature

Date

8-27-18



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

RECEIVED

AUG 24 2018

WATER RESOURCES  
STATE ENGINEER  
COLORADO

Mr. Morgan Cobb  
Northwest Title Company  
530 Breeze St  
Craig, CO 81625

**CHANGE IN OWNERSHIP/ADDRESS/LOCATION REQUIREMENTS**

Well Permit Number 92796, 92796-A

This form is being returned to you for more complete or a correction of information. The information requested is checked below. Make the necessary corrections or additions on the form, not this notice. Please initial and date any changes you make on the form and return it to this office for processing.

1. ☒ Complete the **NEW Well Owner** name and address.
2. Enter or verify the **Well Permit Number**. Only one Well Permit may be amended on one form.
3. ☐ Completely fill out the **Well Location** section. Well Location must include  $\frac{1}{4}$ ,  $\frac{1}{4}$ , Range, Township, Section and distances from the Section Lines. Mark the appropriate boxes for North or South and East or West directions. If in a subdivision, include the name, lot, block, and filing. This is the location of the well from the well permit, not the property description nor street address.
4. ☐ The **Well Location** given does not correspond to the location of the Well Permit Number
5. ☐ The **New Well Owner** must sign the document. Print or type your name in the first block. Sign the second block and date the last block. If signing as an agent, please provide agency letter signed by owner.
6. ☐ No documentation has been received stating the well was completed before the expiration date.
7. ☒ Other The New Owner's Name and Mailing Address **MUST** be provided for the form to be accepted. A-A means a well was replaced. When a well is replaced, the old well **MUST** be plugged and abandoned leaving only 1 active well on the site. We show 92796-A was drilled and therefore should be the only active well on the site. You should only submit a GWS-11 for 92796-A.

In order for the Records Section to help you locate a Permit Number, you must provide the following information: Location of the well and names of the current and previous owners. This information must be obtained from your County Assessor's Office.

If you need to help please contact the Records Department at (303) 866-3581 between the hours of 9:00 AM and 4:00 PM Monday through Friday or at [www.water.state.co.us](http://www.water.state.co.us)





STATE OF  
COLORADO

DWRPermitsOnline, DNR &lt;dnr\_dwrpermitsonline@state.co.us&gt;

**Updated Well Permit**

1 message

**Cobb, Morgan** <MCobb@nwttitlecompany.com>

Fri, Aug 24, 2018 at 3:51 PM

To: "dwrpermitsonline@state.co.us" &lt;dwrpermitsonline@state.co.us&gt;

Here is a corrected Well Permit Transfer for you. Thank you so much!

Morgan

RECEIVED

AUG 24 2018

WATER RESOURCES  
STATE ENGINEER  
COLO**Morgan Cobb**

Escrow Processor

**Northwest Title Company**

mcobb@nwttitlecompany.com E 970-824-9427 O 970-824-2305 F

530 Breeze St., Craig, Colorado 81625

Aspen | Avon/Beaver Creek | Breckenridge | **Craig (NWT)** | Eagle | Glenwood Springs

Grand Lake | Hot Sulphur Springs | Rifle | Steamboat Springs | Willits | Winter Park

Agency License 185566

www.nwttitlecompany.com / www.titlecorockies.com

Send Secure Email



To reply securely or send encrypted email, click on this button

**WARNING – NEVER WIRE FUNDS WITHOUT VERBAL VERIFICATION BEFORE SENDING**

*If you receive an email containing new or revised WIRE TRANSFER INSTRUCTIONS immediately call your escrow officer to verify the information prior to sending funds or other information. We will always send you Wiring Instructions directly, and only through encrypted email. We cannot accept your wiring instruction via email. Call your escrow officer for instructions. Never wire funds for a real estate transaction to anybody without first VERBALLY CONFIRMING wire instructions.*

**To send us an encrypted email, use the Send Secure Email button above.**

For additional information, please see this ALTA video at <https://www.youtube.com/watch?v=ek4TwC9owwY>



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

**WELL PERMIT NUMBER** 92796--A  
**RECEIPT NUMBER** 0225452

**ORIGINAL PERMIT APPLICANT(S)**

A GONZALES

**APPROVED WELL LOCATION**

Water Division: 6      Water District: 44  
Designated Basin: N/A  
Management District: N/A  
County: MOFFAT  
Parcel Name: N/A  
Physical Address: N/A

SW 1/4 SE 1/4 Section 9 Township 6.0 N Range 91.0 W Sixth P.M.

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

Easting: 279229.4      Northing: 4484879.5

See the original well permit file for permit conditions of approval and additional details. The original permit file can be viewed using the Well Permit Search Tool at [www.water.state.co.us](http://www.water.state.co.us)

Date Issued: 1/11/1983

Expiration Date: N/A

Issued By \_\_\_\_\_

**PERMIT HISTORY**

08-24-2018      CHANGE IN OWNER NAME/MAILING ADDRESS

## COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818

Denver, Colorado 80203

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 92796-A

RECEIVED

JAN 28 1983

WATER RESOURCES  
STATE - ENGINEER  
COLDTHIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.WELL OWNER Al Gonzales S.W. 1/4 of the S.E. 1/4 of Sec. 9ADDRESS P.O. Box 606 Craig, Co. 81626 T. 6 N. R. 91 W. 6th P.M.DATE COMPLETED July 10, 1982

## HOLE DIAMETER

14 1/2 in. from 0 to 92 ft.7 7/8 in. from 92 to 520 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

## DRILLING METHOD

CASING RECORD: Plain Casing

Size 8 5/8 & kind Steel from 0 to 92 ft.Size 4 1/2 & kind Steel from 0 to 500 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## Perforated Casing

Size 4 1/2 & kind Steel from 500 to 520 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## GROUTING RECORD

Material Cement.Intervals 0 - 92 ft. 36 Socks.Placement Method HandGRAVEL PACK: Size None

Interval \_\_\_\_\_

## TEST DATA

Date Tested July 11, 1982Static Water Level Prior to Test 500 Flowing ft.

Type of Test Pump \_\_\_\_\_

Length of Test 24 Hrs.Sustained Yield (Metered) 500 G.P.M.

Final Pumping Water Level \_\_\_\_\_

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	4	Top Soil	
4	19	Sands	
19	31	Sand-Stone	
31	96	Shale Bl.	
96	112	Stone-Hard Rock	
112	116	Coal	
116	157	Hard Rock	
157	161	Sand W 5 G.P.M.	
161	312	Shale BL.	
312	318	Coal	
318	475	Shale BL.	
475	490	Hard Rock	
490	510	Sands-Water Flowing W	
510	520	Hard Rock	
TOTAL DEPTH <u>520 ft.</u>			

Use additional pages necessary to complete log.



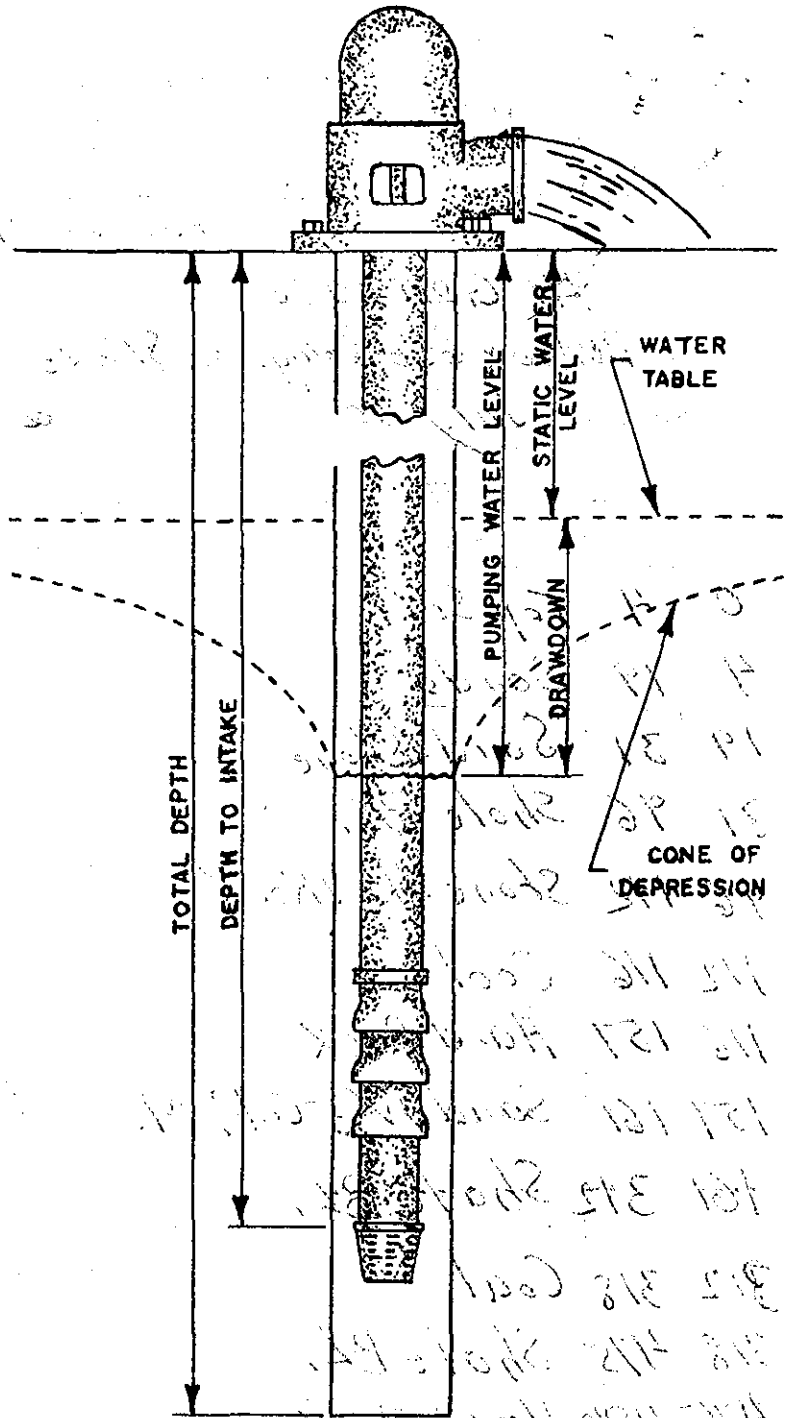
# PUMP INSTALLATION REPORT

RECEIVED

Pump Make WAL  
 Type WATER  
 Powered by HP  
 Pump Serial No.   
 Motor Serial No.   
 Date Installed   
 Pump Intake Depth 57.0  
 Remarks 57.0

## WELL TEST DATA WITH PERMANENT PUMP

Date Tested   
 Static Water Level Prior to Test   
 Length of Test 1 hr Hours  
 Sustained yield (Metered)  GPM  
 Pumping Water Level   
 Remarks



## CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature Ralph Vintner Iron Chisel Drilling, License No. 443

State of Colorado, County of Moffat SS

Subscribed and sworn to before me this 06 day of Janu., 19 83.

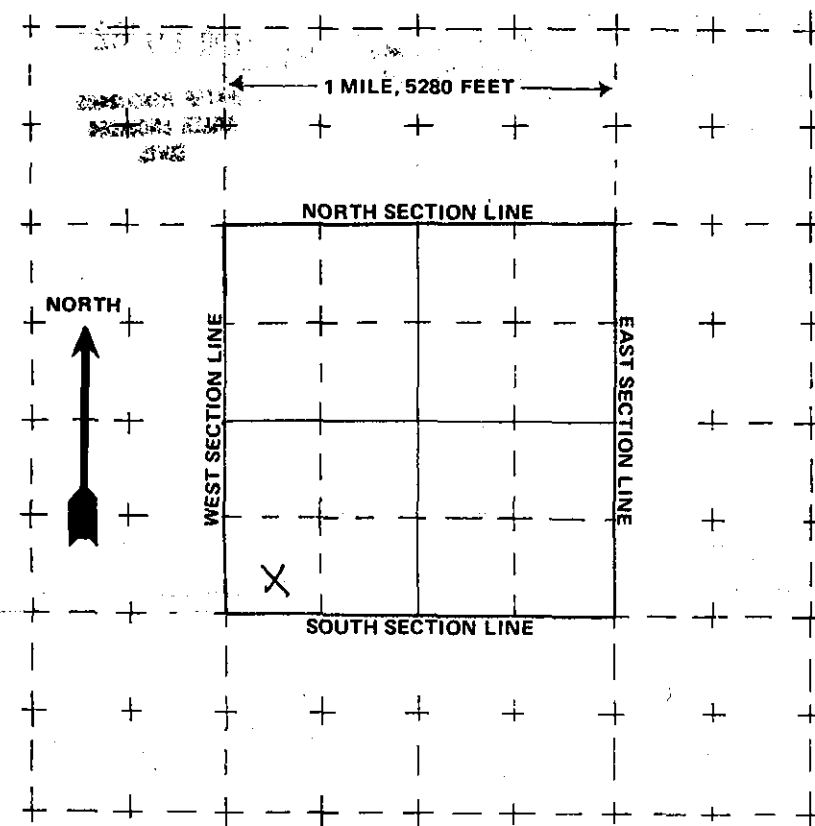
My Commission expires May 2, 1985, 19 .

Notary Public Jack Blisset

FORM TO BE MADE OUT IN QUADRUPPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.



(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
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A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.

320 ft. from S sec. line  
(north or south)

1340 ft. from E sec. line  
(east or west)

LOT 15 BLOCK D FILING # \_\_\_\_\_

SUBDIVISION \_\_\_\_\_

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: AL GONZALES

No. of acres 3.292 Will this be the only well on this tract? YES

(8) PROPOSED CASING PROGRAM

Plain Casing

5 1/2 in. from 0 ft. to 900 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforated casing

5 1/2 in. from 900 ft. to 1000 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging it:

30' SOUTH

OLD WELL WILL BE

PLUGGED ACCORDING

TO REGULATION

(10) LAND ON WHICH GROUND WATER WILL BE USED:

Owner(s): AL GONZALES

No. of acres: 3.292

Legal description: TRACT OF LAND IN SW OF SE QTR OF SEC 9 TOWNSHIP 6N RANGE 91W

(11) DETAILED DESCRIPTION of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

HOUSEHOLD USE ONLY  
SEPTIC TANK AND LEACHFIELD

(12) OTHER WATER RIGHTS used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right

Used for (purpose)

Description of land on which used

(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.

Al Gonzales Peggy Gonzales  
SIGNATURE OF APPLICANT(S)

FORM NO. GWS-31 04/2005	<b>WELL CONSTRUCTION AND TEST REPORT</b> STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Room 818, Denver, CO 80203 Phone - Info (303) 866-3587 Main (303) 866-3581 Fax (303) 866-3589 <a href="http://www.water.state.co.us">http://www.water.state.co.us</a>	For Office Use Only  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <b>RECEIVED</b>   <b>SEP 30 2009</b>           WATER RESOURCES STATE ENGINEER COLO       </div>																																																																																
1. WELL PERMIT NUMBER: <u>2777425</u>																																																																																		
2. WELL OWNER INFORMATION NAME OF WELL OWNER: <u>Joseph L. Duggan</u> MAILING ADDRESS: <u>11800 Davenport Rd.</u> CITY: <u>AGUA DULCE</u> STATE: <u>CA</u> ZIP CODE: <u>91390</u> TELEPHONE NUMBER: <u>(661) 510-6333</u>																																																																																		
3. WELL LOCATION AS DRILLED: <u>SE 1/4, NE 1/4, Sec. 17, Twp. 6</u> <input checked="" type="checkbox"/> N or <input type="checkbox"/> S, Range <u>91</u> <input type="checkbox"/> E or <input checked="" type="checkbox"/> W DISTANCES FROM SEC. LINES: _____ ft. from <input type="checkbox"/> N or <input type="checkbox"/> S section line and _____ ft. from <input type="checkbox"/> E or <input type="checkbox"/> W section line. SUBDIVISION: _____ LOT _____ BLOCK _____ FILING (UNIT) _____ Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, <input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13 STREET ADDRESS AT WELL LOCATION: _____ Northing: <u>448741</u>																																																																																		
4. GROUND SURFACE ELEVATION _____ feet DATE COMPLETED <u>9.22.09</u> TOTAL DEPTH <u>320</u> feet DRILLING METHOD <u>Air Rotary</u> <u>448741</u> DEPTH COMPLETED <u>320</u> feet																																																																																		
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11. DISINFECTION: Type <u>HTH</u> Amt. Used <u>4.02</u>																																																																																		
12. WELL TEST DATA: <input type="checkbox"/> Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test. TESTING METHOD <u>Air lift</u> Static Level <u>150</u> ft. Date/Time measured: <u>9.23.09</u> Production Rate <u>8</u> gpm. Pumping Level <u>280</u> ft. Date/Time measured <u>9.22.09</u> Test Length (hrs) <u>3</u> Remarks: _____																																																																																		
13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed 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 \$5000 and/or revocation of the contracting license.)																																																																																		
Company Name: <u>WESTERN AMERICAN DRILLING, INC.</u> Phone: <u>(970) 874-9579</u> License Number: <u>1448</u>																																																																																		
Mailing Address: <u>P.O. BOX 750 CRAIG, CO. 81626</u>																																																																																		
Signature: <u>[Signature]</u> Print Name and Title: <u>Steven A Klein PREP</u>		Date: <u>9.24.09</u>																																																																																

**OFFICE OF THE STATE ENGINEER**  
**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

1286

**WELL PERMIT NUMBER** 277425  
**DIV. 6** **WD 55** **DES. BASIN** **MD**

**APPLICANT**

JOSEPH L DUGGAN  
11800 DAVENPORT RD  
AGUA DULEE, CA 91390-

(661) 510-6333

**APPROVED WELL LOCATION**

MOFFAT COUNTY  
SE 1/4 NE 1/4 Section 17  
Township 6 N Range 91 W Sixth P.M.

**DISTANCES FROM SECTION LINES**

1966 Ft. from North Section Line  
410 Ft. from East Section Line

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

Easting: 277873 Northing: 4484741

**PERMIT TO CONSTRUCT A 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).
- 4) The use of ground water from this well is limited to fire protection, ordinary household purposes inside not more than 1 single family dwelling(s), the irrigation of not more than 1 acre of home gardens and lawns, and the watering of domestic animals. This well is to be located on 484 acres, Moffat County.
- 5) The pumping rate of this well shall not exceed 15 GPM.
- 6) This well shall be constructed not more than 200 feet from the location specified on this permit.

NOTICE: This permit has been approved subject to the following changes: The distances from section lines, quarter/quarter, quarter, Section, Township, Range and P.M. were determined from UTM coordinate values provided with the permit application. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

*LCP*  
*5-7-08*

APPROVED  
LCP

*Dick Wolfe*  
State Engineer

*Sydney C. Peters*  
By

Receipt No. 9601472

DATE ISSUED 05-07-2008

EXPIRATION DATE 05-07-2010

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COLORADO DIVISION OF WATER RESOURCES  
DEPARTMENT OF NATURAL RESOURCES  
1313 SHERMAN ST., RM 818, DENVER, CO 80203  
phone - info: (303) 866-3587 main: (303) 866-3581  
fax: (303) 866-3589 http://www.water.state.co.us

# RESIDENTIAL

Note: Also use this form to apply for livestock watering

## Water Well Permit Application

Review instructions on reverse side prior to completing form.  
The form must be completed in black or blue ink or typed.

### 1. Applicant Information

Name of applicant

Joseph L Puggan

Mailing address

11800 Ravenport Rd.

City

Aguila Dulce

State

CO.

Zip code

91390

Telephone #

(661) 510 6333

E-mail (optional)

### 2. Type Of Application (check applicable boxes)

- ☒ Construct new well ☐ Use existing well  
☐ Replace existing well ☐ Change or increase use  
☐ Change source (aquifer) ☐ Reapplication (expired permit)  
☐ Other:

### 3. Refer To (if applicable)

Well permit #

Water Court case #

Designated Basin Determination #

Well name or #

### 4. Location Of Proposed Well

County

Moffat

SE 1/4 of the NE 1/4

Section

17

Township

6

N or S

N

Range

91

E or W

E

Principal Meridian

6th

Distance of well from section lines (section lines are typically not property lines)

1966 ft. from ☒ N ☐ S 410 ft. from ☒ E ☐ W  
For replacement wells only - distance and direction from old well to new well  
feet direction

Well location address (Include City, State, Zip)

☐ Check if well address is same as in Item 1.

Optional: GPS well location information in UTM format. GPS unit settings are as follows:

Format must be UTM

☐ Zone 12 or ☐ Zone 13

Units must be Meters

Datum must be NAD83

Unit must be set to true north

Was GPS unit checked for above? ☒ YES

Easting: 13T0277873

Northing: 4484241

Remember to set Datum to NAD83

### 5. Parcel On Which Well Will Be Located

(PLEASE ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)

A. You must check and complete one of the following:

- ☐ Subdivision: Name \_\_\_\_\_  
Lot \_\_\_\_\_ Block \_\_\_\_\_ Filing/Unit \_\_\_\_\_  
☐ County exemption (attach copy of county approval & survey):  
Name/# \_\_\_\_\_ Lot # \_\_\_\_\_  
☐ Parcel less than 35 acres, not in a subdivision, attach a deed with metes and bounds description recorded prior to June 1, 1972, and a current deed  
☐ Mining claim (attach a copy of the deed or survey): Name/# \_\_\_\_\_  
☐ Square 40 acre parcel as described in Item 4  
☒ Parcel of 35 or more acres (attach a metes and bounds description or survey)  
☐ Other (attach metes & bounds description or survey and supporting documents)

B. # of acres in parcel

484

C. Are you the owner of this parcel?

☐ YES ☒ NO (if no - see instructions)

D. Will this be the only well on this parcel?

☒ YES ☐ NO (if no - list other wells)

E. State Parcel ID# (optional):

Office Use Only

Form GWS-44 (06/2006)

Permit # 277425

MAY 08 2008

WATER RESOURCES  
STATE ENGINEER  
COLORADO

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APR 30 2008

COLO DIV OF WATER RES  
DIV 6 - STEAMBOAT SPRINGS

### 6. Use Of Well (check applicable boxes)

See instructions to determine use(s) for which you may qualify

- ☐ A. Ordinary household use in one single-family dwelling (no outside use)  
☒ B. Ordinary household use in 1 to 3 single-family dwellings:  
Number of dwellings: 1  
☒ Home garden/lawn irrigation, not to exceed one acre:  
area irrigated 1 sq. ft. ☒ acre  
☒ Domestic animal watering - (non-commercial)  
☐ C. Livestock watering (on farm/ranch/range/pasture)

### 7. Well Data (proposed)

Maximum pumping rate

12 gpm

Annual amount to be withdrawn

1.5 acre-feet

Total depth

300 feet

Aquifer

Unknown

### 8. Water Supplier

Is this parcel within boundaries of a water service area? ☐ YES ☒ NO

If yes, provide name of supplier:

### 9. Type Of Sewage System

- ☒ Septic tank / absorption leach field  
☐ Central system: District name:  
☐ Vault: Location sewage to be hauled to:  
☐ Other (attach copy of engineering design and report)

### 10. Proposed Well Driller License #(optional): 1286

### 11. Signature Of Applicant(s) Or Authorized Agent

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.

Sign here (Must be original signature)

George Stewart

Date

4-25-08

Print name & title  
George Stewart Pres. Stewart

### Office Use Only

USGS map name

DWR map no.

Surface elev.

### Receipt area only

Trans Number: 3628902 A  
5/8/2008 1:56:32 PM  
James Martin (19)  
Total Trans Amt: \$200.00  
CHECK  
Check Number: 5042  
Check Amount: \$200.00

WE

WR

CWCB

TOPO

MYLAR

SBS

Receipt No. 9601472  
Non-critical  
Agent letter attached

DIV 6 WD44 BA MD

RECEIVED

April 28, 08 MAY 08 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

TO Whom it MAY concern:

I Authorize George Stewart to  
Pull A Water Well Permit ON my  
bchalf. If you have ANY QUESTIONS  
Please feel free to CONTACT me.

Sincerely,

Joe DUGAN

Joseph L. Duga

661-268-8111



RECEIVED

MAY 08 2008

## Property Profile Report

Report Date: 4/28/2008 8:46:52 AM  
WATER RESOURCES  
STATE ENGINEER  
COLO.

## Owner and Property

Address:	N/A
Mail Address:	11800 DAVENPORT RD AGUA DULEE, CA 91390
Owner:	DUGAN, JOSEPH L REVOCABLE LIVING TRUST
Map / Tax Lot:	085517100043
Account Num:	R005293
Subdivision:	N/A
Legal Description:	T6N R91W SEC 17 LOTS 1 - 8,N2SW4,PT OF SW4SW4,N2SE4 LYING N OF RIVER 484.53A M/L

## Assessment Information

Assessed Year:		Tax Year:	
Actual Value:	\$ 23,278	Taxes:	
Land Value:	\$ 21,538		

## Property Characteristics

Property Type:	AGRICULTURAL	Bsmt Sq. Ft:	N/A
House Style:	N/A	Fin. Bsmt SF:	N/A
Year Built:	1910		
Total Finished Living Area:	N/A	Lot Size:	21,106,127
Bedrooms:	N/A	Fireplaces:	N/A
Bathrooms:	N/A	Heat:	N/A
Garage Type:	N/A	Cooling:	N/A
Garage SqFt:	N/A	Roof Style:	N/A
Exterior:	N/A	Roof Cover:	N/A

## Previous Sale Information

Sale Amount:	\$ 620,400	Sale Date:	07/01/05
Document Num:	2005L3609		

## Transaction History

Sale Amount:	\$ 620,400	Sale Date:	7/1/2005
Document Date:	7/1/2005	Document Type:	WD
Reception Num:	2005L3609	Book/Page:	/



<b>FORM NO.</b> GWS-31 04/2005	<b>WELL CONSTRUCTION AND TEST REPORT</b> <b>STATE OF COLORADO, OFFICE OF THE STATE ENGINEER</b> 1313 Sherman St., Room 818, Denver, CO 80203 Phone - Info (303) 866-3587 Main (303) 866-3581 Fax (303) 866-3589 <a href="http://www.water.state.co.us">http://www.water.state.co.us</a>	For Office Use Only  <b>RECEIVED</b>  <b>OCT 03 2012</b>  WATER RESOURCES STATE ENGINEER COLO.																																																																																										
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<b>2. WELL OWNER INFORMATION</b> <b>NAME OF WELL OWNER:</b> <u>LARRY KIFE</u> <b>MAILING ADDRESS:</b> <u>P.O. BOX 1576</u> <b>CITY:</b> <u>CRAIG</u> <b>STATE:</b> <u>CO</u> <b>ZIP CODE:</b> <u>81626</u> <b>TELEPHONE NUMBER:</b> <u>(970) 629-1754</u>																																																																																												
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<b>4. GROUND SURFACE ELEVATION</b> <u>6348</u> feet <b>DRILLING METHOD</b> <u>AIR ROTARY</u> <b>DATE COMPLETED</b> <u>9-29-12</u> <b>TOTAL DEPTH</b> <u>460</u> feet <b>DEPTH COMPLETED</b> <u>460</u> feet																																																																																												
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<b>13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed 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 \$5000 and/or revocation of the contracting license.]</b>																																																																																												
<b>Company Name:</b> <u>WESTERN AMERICAN DRILLING, INC.</u>		<b>Phone:</b> <u>(970) 824-3410</u>																																																																																										
<b>Mailing Address:</b> <u>P.O. BOX 750 CRAIG, CO. 81626</u>		<b>License Number:</b> <u>1448</u>																																																																																										
<b>Signature:</b> <u>Steven A Klein</u>		<b>Print Name and Title:</b> <u>Steven Klein Pres.</u> <b>Date:</b> <u>9-30-12</u>																																																																																										





**COLORADO**  
Division of Water Resources  
Department of Natural Resources

WELL PERMIT NUMBER 288127-  
RECEIPT NUMBER 9601906

**ORIGINAL PERMIT APPLICANT(S)**

LARRY KIPE

**APPROVED WELL LOCATION**

Water Division: 6 Water District: 44  
Designated Basin: N/A  
Management District: N/A  
County: MOFFAT  
Parcel Name: COUNTS BUSINESS PARK & YAMPA VIEW  
Lot: 6,7 Block: Filing:  
Physical Address: 275 STATE HIGHWAY 13 CRAIG, CO 81625  
NE 1/4 SE 1/4 Section 9 Township 6.0 N Range 91.0 W Sixth P.M.

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

Easting: 279341.8 Northing: 4485319.5

**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).
- 4) The use of ground water from this well is limited to fire protection, ordinary household purposes inside not more than 1 single family dwelling(s), the irrigation of not more than 1 acre of home gardens and lawns, and the watering of domestic animals. This well is to be located on 8.0 acres, Moffat County.
- 5) The pumping rate of this well shall not exceed 15 GPM.
- 6) This well shall be constructed not more than 200 feet from the location specified on this permit.

Issued By \_\_\_\_\_

Date Issued: 5/1/2012

Expiration Date: 5/1/2014

**PERMIT HISTORY**

07-31-2019 CHANGE IN OWNER NAME/MAILING ADDRESS. CHANGED TO JOHN BARRY ANDERSON  
07-31-2019 CHANGE IN OWNER NAME/MAILING ADDRESS. CHANGED TO JASON BRYAN EPP

FORM NO. GWS-32 08/2008	<b>PUMP INSTALLATION AND TEST REPORT</b> <b>STATE OF COLORADO, OFFICE OF THE STATE ENGINEER</b> 1313 Sherman St., Room 818, Denver, CO 80203 Info (303) 866-3587      Main (303) 866-3581 Fax (303) 866-3589      http://www.water.state.co.us	For Office Use Only <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>RECEIVED</b>   <b>DEC 17 2012</b>   <small>WATER RESOURCES STATE ENGINEER COLORADO</small> </div>	
1. WELL PERMIT NUMBER: <u>288127</u>		<small>WATER RESOURCES STATE ENGINEER COLORADO</small>	
2. WELL OWNER INFORMATION NAME OF OWNER <u>Larry Kipe</u>			
MAILING ADDRESS <u>PO Box 1576</u>			
CITY <u>Craig</u>	STATE <u>CO</u>		ZIP CODE <u>81626</u>
TELEPHONE # <u>(970) - 629-1254</u>			
3. WELL LOCATION AS DRILLED: _____ 1/4, _____ 1/4 Sec. _____ Twp. _____ <input type="checkbox"/> N or <input type="checkbox"/> S, Range _____ <input type="checkbox"/> E or <input type="checkbox"/> W DISTANCES FROM SEC. LINES: _____ ft. from <input type="checkbox"/> N or <input type="checkbox"/> S section line and _____ ft. from <input type="checkbox"/> E or <input type="checkbox"/> W section line. SUBDIVISION: <u>Yampa View</u> LOT <u>67</u> BLOCK _____ FILING (UNIT) _____ Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units Easting: <u>279285</u> must be meters, Datum must be NAD83, Unit must be set to true N, <input type="checkbox"/> Zone 12 or <input type="checkbox"/> Zone 13 Northing: <u>4485320</u>			
STREET ADDRESS AT WELL LOCATION: _____			
4. PUMP DATA: Type: <u>Sub</u> Date Installed: <u>11-15-12</u> Pump Manufacturer: <u>Goulds</u> Pump Model No. <u>10 GS 20</u> Design GPM: <u>10</u> at RPM <u>3450</u> HP <u>2.0</u> Volts <u>230</u> Full Load Amps <u>12.6</u> Pump Intake Depth: <u>906</u> Feet, Drop/Column Pipe Size <u>1 1/2</u> Inches, Kind of Drop Pipe <u>PVC</u> ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM: Turbine Driver Type: <input type="checkbox"/> Electric <input type="checkbox"/> Engine <input type="checkbox"/> Other _____ Design Head _____ feet      Number of Stages _____      Shaft size _____ inches			
5. OTHER EQUIPMENT: Airline Installed <input type="checkbox"/> Yes <input type="checkbox"/> No, Orifice Depth ft. _____ Monitor Tube Installed <input type="checkbox"/> Yes <input type="checkbox"/> No, Depth ft. _____ Flow Meter Mfg. _____ Meter Serial No. _____ Meter Readout: <input type="checkbox"/> Gallons, <input type="checkbox"/> Thousand Gallons, <input type="checkbox"/> Acre feet Beginning Reading _____			
6. TEST DATA: <input type="checkbox"/> check box if Test Data is submitted on Supplemental Form. Date: <u>12-3-12</u> Total Well Depth: <u>458</u> ft. Time: <u>2 PM</u> Static Level: <u>145</u> ft. Rate (gpm): <u>112</u> Date Measured: <u>11-1</u> Pumping Level (ft): <u>906</u>			
7. DISINFECTION: Type <u>HTH</u> Amt. Used <u>3 1/2 cups</u>			
8. Water Quality analysis available: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please submit with this report.			
9. Remarks: _____			
10. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed 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 \$5000 and/or revocation of the contracting license.]			
Company Name: <u>The Mtn States Co</u>		Phone: <u>(970) - 824-6568</u>	
Mailing Address: <u>424 Russell St</u>		License Number: <u>1930</u>	
Signature: <u>James R Spencer</u>		Print Name and Title: <u>JAMES R SPENCER</u> <u>PRESIDENT</u>	
		Date: <u>12-12-12</u>	

Form No.  
GWS-25

**OFFICE OF THE STATE ENGINEER**  
**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

LIC

WELL PERMIT NUMBER 288127  
DIV. 6 WD 44 DES. BASIN MD

APPLICANT

Lot: 6,7 Block: Filing: Subdiv: COUNTS BUSINESS PARK & YAMPA VIEW

LARRY KIPE  
P O BOX 1576  
CRAIG, CO 81626-

(970) 629-1754

APPROVED WELL LOCATION

MOFFAT COUNTY  
NE 1/4 SE 1/4 Section 9  
Township 6 N Range 91 W Sixth P.M.

DISTANCES FROM SECTION LINES

1778 Ft. from South Section Line  
969 Ft. from East Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: Northing:

**PERMIT TO CONSTRUCT A 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.
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- 5) The pumping rate of this well shall not exceed 15 GPM.
- 6) This well shall be constructed not more than 200 feet from the location specified on this permit.

*LCP*  
*5-1-12*

APPROVED  
LCP

State Engineer

Receipt No. 9601906

DATE ISSUED 05-01-2012

By

EXPIRATION DATE 05-01-2014

**COLORADO DIVISION OF WATER RESOURCES**  
**DEPARTMENT OF NATURAL RESOURCES**  
**1313 SHERMAN ST., ROOM 821, DENVER, CO 80203**  
Main: (303) 866-3581 Fax: (303) 866-3589

**RESIDENTIAL** Note: Also use this form to apply for livestock watering  
**Water Well Permit Application**  
Review form instructions prior to completing form.  
The form must be completed in black or blue ink or typed.

**1. Applicant Information**  
Name of applicant: Larry Kipe  
Mailing address: PO Box 1576  
City: Craig State: CO Zip code: 81626  
Telephone #: (970) 629-1754 E-mail (optional): lwkiped@aol.com

**2. Type Of Application (check applicable boxes)**  
☒ Construct new well ☐ Change source (aquifer)  
☐ Replace existing well ☐ Reapplication (expired permit)  
☐ Use existing well ☐ Rooftop precip. collection  
☐ Change or increase use ☐ Other:

**3. Refer To (if applicable)**  
Well permit #: \_\_\_\_\_ Water Court case #: \_\_\_\_\_  
Designated Basin Determination #: \_\_\_\_\_ Well name or #: \_\_\_\_\_

**4. Location Of Proposed Well (Important! See Instructions)**  
County: Moffat NE 1/4 of the SE 1/4  
Section: 9 Township: 6 N or S: ☒ Range: 91 E or W: ☒ Principal Meridian: 6th  
Distance of well from section lines (section lines are typically not property lines):  
1778 Ft. from ☐ N ☒ S 969 Ft. from ☒ E ☐ W  
For replacement wells only - distance and direction from old well to new well:  
feet direction  
Well location address (Include City, State, Zip) ☐ Check if Well address is same as in Item 1.  
Optional: GPS well location information in UTM format. GPS unit settings are as follows:  
Format must be UTM  
☐ Zone 12 or ☐ Zone 13  
Units must be Meters  
Datum must be NAD83  
Unit must be set to true north  
Was GPS unit checked for above? ☐ YES Remember to set Datum to NAD83

**5. Parcel On Which Well Will Be Located (YOU MUST ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)**  
A. You must check and complete one of the following:  
☒ Subdivision: Name Courts Business Park & Young River  
Lot 7, 26 Block \_\_\_\_\_ Filing/Unit \_\_\_\_\_  
☐ County exemption (attach copy of county approval & survey):  
Name/# \_\_\_\_\_ Lot # \_\_\_\_\_  
☐ Parcel less than 35 acres, not in a subdivision, attach a deed with metes and bounds description recorded prior to June 1, 1972, and a current deed  
☐ Mining claim (attach a copy of the deed or survey): Name/# \_\_\_\_\_  
☐ Square 40 acre parcel as described in Item 4  
☐ Parcel of 35 or more acres (attach a metes and bounds description or survey)  
☐ Other (attach metes & bounds description or survey and supporting documents)  
B. # of acres in parcel: 8 C. Are you the owner of this parcel?  
☒ YES ☐ NO (if no - see instructions)  
D. Will this be the only well on this parcel? ☒ YES ☐ NO (if no - list other wells)  
E. State Parcel ID# (optional): \_\_\_\_\_

Office Use Only Form GWS-44 (05/2011)

#288127  
MAY 07 2012  
RECEIVED  
APR 24 2012  
COLORADO DIV OF WATER RES  
DIV 6 - STEAMBOAT SPRING

**6. Use Of Well (check applicable boxes)**  
See instructions to determine use(s) for which you may qualify  
☐ A. Ordinary household use in one single-family dwelling (no outside use)  
☒ B. Ordinary household use in 1 to 3 single-family dwellings:  
Number of dwellings: 1  
☒ Home garden/lawn irrigation, not to exceed one acre:  
area irrigated 1 sq. ft. ☒ acre  
☒ Domestic animal watering - (non-commercial)  
☐ C. Livestock watering (on farm/ranch/range/pasture)

**7. Well Data (proposed)**  
Maximum pumping rate: 15 gpm Annual amount to be withdrawn: 1.2 acre-feet  
Total depth: 50 feet Aquifer: \_\_\_\_\_

**8. Water Supplier**  
Is this parcel within boundaries of a water service area? ☐ YES ☒ NO  
If yes, provide name of supplier: \_\_\_\_\_

**9. Type Of Sewage System**  
☒ Septic tank / absorption leach field  
☐ Central system: District name: \_\_\_\_\_  
☐ Vault: Location sewage to be hauled to: \_\_\_\_\_  
☐ Other (attach copy of engineering design and report)

**10. Proposed Well Driller License #(optional):**  
**11. Signature Of Applicant(s) Or Authorized Agent**  
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.  
Sign here (Must be original signature) \_\_\_\_\_ Date: 11/10/11  
Print name & title: Larry W Kipe

**Office Use Only**  
USGS map name \_\_\_\_\_ DWR map no. \_\_\_\_\_ Surface elev. \_\_\_\_\_  
Receipt area only  
AQUAMAP  
WE  
WR  
CWCB  
TOPO  
MYLAR  
SB5  
Receipt # 9601906  
Non-critical  
Transaction #: 58  
Date: 5/7/2012 9:32:05 AM  
Transaction Total: \$100.00  
CHECK #1002 \$100.00  
DIV 6 WD 44 BA \_\_\_\_\_ MD \_\_\_\_\_



# 288127

# Moffat County Assessor Data Site

Robert Razzano, 221 W Victory Way, Ste. 240  
(P) 970.824.9102 | (F) 970.824.9189 | (E) rrazzano@moffatcounty.net

RECEIVED

## Account Information

Account: R004100  
Parcel: 085509402010  
Owner Name: KIPE, LARRY W  
Owner Address: PO BOX 1576, CRAIG, CO, 81626  
Property Address: 2745 HIGHWAY 13 SOUTH, CRAIG  
Legal: SUB:COUNTS BUSINESS PARK LOT:6 - LOT:7 SUB:YAMPA VIEW LOT:6  
Tax Area: 04  
Subdivision: COUNTS BUSINESS PARK

MAY 07 2012

WATER RESOURCES  
STATE ENGINEER  
COLO

## Sales Information

Date	Deed Type	Doc Number	Grantor	Grantee	Amount
06/02/1989	WD	602-644	MCSB	KIPE, LARRY W	82,500

## Taxable Values History

Year	Land Actual	Imp Actual	Total Actual	Land Assessed	Imp Assessed	Total Assessed
2011	38,000	221,213	259,213	3,025	17,609	20,634
2010	40,000	235,743	275,743	3,184	18,765	21,949
2009	40,000	235,743	275,743	3,184	18,765	21,949

## Property Details

Model	Attribute Name	Attribute Value
LAND 1	ABSTRACT_CODE	SINGLE FAM.RES.-LAND
	LAND_CODE	CO/RES CLOSE 1-9.9 AC
	ACRES	8

## Attachment F – NRCS Soil Map

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## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
79	Forelle-Evanot complex, 1 to 12 percent slopes	8.9	100.0%
<b>Totals for Area of Interest</b>		<b>8.9</b>	<b>100.0%</b>

