

***WATER RESOURCES REPORT***

***for***

***WINSOME FILING NO. 3***

***A Portion of Parcel No. 51000-00-493***

**May 2021  
(Revised September 2021)**

**Prepared By:**





WINSOME FILING NO. 3  
A Portion of Parcel No. 51000-00-493  
  
WATER RESOURCES REPORT

May 2021  
(September 2021)

Prepared for:

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1864 Woodmoor Drive, Suite 100  
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## 1.0 INTRODUCTION AND EXECUTIVE SUMMARY

The purpose of this report is to address the specific water needs of a proposed subdivision of taken from a portion of Parcel # 51000-00-493 in El Paso County, CO.

**EXECUTIVE SUMMARY:** The water rights and augmentation plans in place for the existing parcel are adequate to meet the needs of thirty-eight (38) residential lots proposed for the subdivision on a 300-year basis.

## 2.0 PROJECTED LAND USES

### 2.1 Projected Land Uses

This report pertains to the proposed 366-acres from the Winsome Filing No. 3 development parcel that is proposed to be divided into thirty-eight (38) residential lots. Please refer to the *Land Use Exhibit* in **Appendix A** depicting the proposed subdivision.

## 3.0 WATER NEEDS AND PROJECTED DEMANDS

### 3.1 Water Demand Summary

It is anticipated that each residential lot will use 0.60 acre-feet (AF) of water per year. This estimate is based information provided in Chapter 8 of the *El Paso County Land Development Code* as well as the *Findings of Fact* for each replacement plan located in **Appendix C**. Water demands and wastewater loads are shown Table 3-1 below:

**Table 3-1: Summary of Expected Water Demands & Wastewater Loads**

Water - Residential						Wastewater
# of SFE's	Annual Indoor Use 0.30 (AF/YR/SFE)	Average Daily Indoor Use (GPD)	Irrigation 0.25 (AF/yr/lot)	Domestic Watering 0.0125 (AF/Horse/Year)	Total Indoor, Watering, & Irrigation (AF)	ADF (@ 90% Indoor Use) (GPD)
38	Note 1 11.400	10177	Note: 2 9.500	Note 3 1.900	22.80	9160

Note 1: ***Per Part 10. of the Findings from Replacement Plan No. 3, Determination of Water Right No. 1692-BD and Part 11 of the Findings from Replacement Plan No. 1692-RP, No. 3***

Note 2: ***Per 8.4.7(B)(7)d of the EPC Land Development Code - @ 1 irrigatable acres per lot***  
***Per Part 2.c. of the Findings from Replacement Plan No. 2, Determination of Water Right***

Note 3: ***No. 1692-BD and 2.c. of the Findings from Replacement Plan No. 1692-RP, No. 3. Stock watering demand assumes 4 horses per lot.***



### 3.2 Unit Water User Characteristics

Unit water user characteristics are counted on a *single family equivalent (SFE)* basis. All single-family homes are counted as one SFE, and user characteristics were based on information provided in the *El Paso County Land Development Code*, Chapter 8. User characteristics for the commercial lot were also based on information provided in the *El Paso County Land Development Code*, Chapter 8.

### 3.3 Demand versus Supply

An overall residential demand of 22.80 acre-feet per year for the proposed subdivision is less than the amount of Dawson Aquifer supply listed in the decrees, determinations, and *Findings of Fact* (provided in **Appendix C**), and is further discussed in Section 4.0 of this report. Of note, the combined total of Filing No. 1 residential demands, Filing No. 2 residential demands, and Filing No. 3 residential demands total 87.6 AF/year. This total is far less than the allocated 300-year supply of 232.66 AF/year for the development out of the Dawson formation.

## 4.0 WATER RIGHTS AND SUPPLY

### 4.1 Water Rights

Water rights, determinations, and replacement plans were done by the Colorado Office of the State Engineer and are included in **Appendix C**. Table 4-1 below summarizes the information from said water rights and determinations. Of note, the Winsome overall development is comprised of 768.06 acres within the overall 900.52 acres described in the decrees. The water conveyed to the Winsome Development has been pro-rated as such.

**Table 4-1: Water Rights Summary**

Land Formation/ Aquifer	Determination	Tributary Status	Area	Decreed Volume	Annual Allocation 100-Year	Annual Allocation 300-Year
			(Acres)	(AF)	(AF/Year)	(AF/Year)
<b>Dawson</b>	<b>1692-BD</b>	<b>NNT</b>	<b>766.66</b>	<b>69,797</b>	<b>697.97</b>	<b>232.66</b>
<b>Denver</b>	<b>1691-BD</b>	<b>NT</b>	<b>766.66</b>	<b>44,985</b>	<b>449.85</b>	<b>149.95</b>
Arapahoe	1690-BD	NT	766.66	33,901	339.01	113.00
Laramie-Fox Hills	1689-BD	NT	766.66	22,435	224.35	74.78
<b>Total Legal Supply</b>					<b>1711.18</b>	<b>570.39</b>
					<i>100-Year</i>	<i>300-Year</i>

**Beneficial Uses:** *Domestic Indoor, Industrial, Commercial, Irrigation, Augmentation  
Stock watering, Recreational water feature ponds, piscatorial, Wildlife  
Replacement*



Note that only the Dawson formation is to be used for the residential lots in this subdivision. The Denver formation is to be used to support the commercial lot well. According to the *Findings of Fact* located in **Appendix C**, the following conditions are allowed for the subject property:

- Water in the Dawson may be withdrawn through a new well drilled on each individual residential lot, totalling thirty-eight (38) new wells total.
- There shall be one (1) Dawson aquifer well per residential lot.
- Each well must provide water to a house on the same lot, ensuring that during pumping, return flows from septic systems alone will always equal or exceed stream depletions in the same year.
- The acre-feet of water drawn out of the Dawson formation by the thirty-eight (38) residential lots described in Filing No. 3 will create a depletion to the alluvial aquifer. This depletion will be replaced by return flows through the residential septic systems as described in Replacement Plan No. 1692-RP, No. 3, both of which are contained in **Appendix D**. Of note, this replacement plan is currently being amended to add three lots to bring the total amount of lots to be augmented under this replacement plan from 60 lots to 63 lots.

#### 4.2 *Adequacy of Water Rights*

Current water rights are adequate for buildout demands of thirty-eight (38) residential lots and meet 2040 and 2060 buildout projections on a 300-year basis.

According to the *Findings and Order* (Determinations 1692-BD and 1691-BD) located in **Appendix C**.

- There are 819 AF/year on a 100-year basis (or 273 AF/year on a 300-year basis) available for use out of the Dawson Aquifer. Of these 273 AF/year, 232.66 AF/year are available to Winsome, LLC through the overall 766.66 acre development. The Dawson Aquifer in this location is considered not-nontributary.
  - Previously approved Filing No. 1 will demand 28.20 AF/year of residential use out of the Dawson.
  - Previously submitted Filing No. 2 will demand an estimated 36.60 AF/year of residential use out of the Dawson
  - Proposed Filing No. 3 will demand an estimated 22.80 AF/year of residential use out of the Dawson.
  - The allocated 232.66 AF/year will be able to supply the needs of Filing No. 1, Filing No. 2, and Filing No. 3 which totals 87.60 AF/year of residential use
- Replacement Plan No. 1692-BD, No. 2 and No. 1692-RP, No. 3 were developed to augment all not-nontributary water usage from the Dawson



Formation within the Winsome Development. These Findings and Orders are shown in **Appendix D**.

- Replacement Plan No. 1692-BD, No. 2 allows for the withdrawal of 49.8 AF annually through 83 wells located on 83 residential lots. Each of the residential lots is proposed to divert 0.6 AF/year, which will result in an increase to 1.87 AF/year by the 300<sup>th</sup> year of pumping. Of the 0.6 AF/year of overall pumping, 0.30 AF/year is estimated to be allocated to domestic use. Return flows from these domestic diversions are assumed to total 0.27 AF/year/lot, or 22.41 AF/year for all 83 lots at full build-out. The estimated 22.41 AF/year for all 83 lots will be more than enough to replace the 1.87 AF/year in alluvial depletions by year 300.
- Replacement Plan No. 1692-RP, No. 4 (which replaces previously approved Replacement Plan No. 1692-BD, No. 3) allows for the withdrawal of 37.8 AF annually through 63 wells located on 63 residential lots. Each of the residential lots is proposed to divert 0.6 AF/year, which will result in an increase to 1.46 AF/year by the 300<sup>th</sup> year of pumping. Of the 0.6 AF/year of overall pumping, 0.30 AF/year is estimated to be allocated to domestic use. Return flows from these domestic diversions are assumed to total 0.27 AF/year/lot, or 17.01 AF/year for all 63 lots at full build-out. The estimated 17.01 AF/year for all 63 lots will be more than enough to replace the 1.46 AF/year in alluvial depletions by year 300.
- The forty-seven (47) residential lots existing in the approved Filing No. 1 lie completely within the 278.1 acres augmented by Replacement Plan 1692-BD, No. 2. Following augmentation of these 47 lots within Filing No. 1 there are 36 lots left unallocated within the area of Replacement Plan No. 2. See Exhibit in **Appendix D**.
- The sixty-one (61) residential lots proposed in Filing No. 2 lie partially within Replacement Plan 1692-BD No. 2 and Replacement Plan 1692-RP No. 3. Of the sixty (61) residential lots proposed in Filing No. 2, thirty-six (36) will be augmented as part of Replacement Plan 1692-BD No. 2 and twenty-five (25) will be augmented by Replacement Plan 1692-RP No. 3. This leaves roughly thirty-eight (38) unallocated residential lots remaining under Replacement Plan 1692-RP No. 4. These thirty-eight (38) unallocated lots are being platted under Filing No. 3 See Exhibit in **Appendix D**.

**Conclusion:**

**The current water rights and augmentation plan in place are adequate to meet the estimated overall demand of 22.80 acre-feet for thirty-eight (38) lots.**



#### 4.3 *Description of Current Water Rights*

The subject area's current water rights involve non-renewable supplies in the Denver Basin, further discussed below.

##### Non-Renewable Denver Basin Supply

The Denver Basin is a vast, deep-rock aquifer that stretches from southeast of Colorado Springs to Greeley, and from the base of the front range to the eastern end of Elbert County. Rights granted in the Denver basin are based on the ownership of the surface property – the larger the parcel, the larger the allocation. This water is much deeper than typical residential wells, ranging up to 2,650 feet deep.

Denver Basin water is considered finite and therefore non-renewable. In the subject area, there are four main formations that make up the Denver Basin: Dawson, Denver, Arapahoe, and Laramie-Fox Hills (LFH), described from shallowest to deepest.

The subject property comprising 768.06 acres has numerous determinations under its existing boundaries, which total 570 annual acre-feet on a 300-year basis, and 1,711 annual acre-feet on a 100-year basis. Of the 570 AF/year available on a 300-year basis, 293 are available to the Winsome development (232.66 AF/year from the Dawson and 60 AF/year from the Denver)

### 5.0 **WATER SYSTEM FACILITIES AND PHYSICAL SUPPLY**

#### 5.1 *Source of Supply*

Supply for the thirty-eight (38) residential lots will be met with future wells completed in the Dawson aquifer. These wells will be drilled, screened, test-pumped, and completed accordance with the Colorado Division of Water Resources rules and regulations.

#### 5.2 *Water Treatment*

Representative samples were taken in Dawson Aquifer from an existing adjacent well located on a neighboring property (11745 Quiet Waters PT – Golwer Well), located north-east of and directly adjacent to the overall proposed Winsome Subdivision for constituents required by El Paso County regulations for a confined aquifer. As described in Section 5.5 below the well was only to have elevated levels of combined radium 226+228 and manganese (considered a secondary contaminant). Any desired treatment of future wells will be at the discretion of the individual homeowners as this is not considered a *Community System* by the Colorado Department of Public Health and Environment. Point of use treatment filters can be purchased at local hardware stores and can be effective in eliminating the majority of contaminants from the source water.

#### 5.3 *Water Storage*

Water storage (other than potential individual cisterns) will not be constructed for the residential lots. Therefore, a central water system with treatment and



fire-flow capabilities will not be provided. The residents of each subdivided lot will be made aware of this since it will be included on the subdivision plat.

#### *5.4 Distribution, Pumping, and Transmission Lines*

Since there is no central water system proposed for the residential lots, no distribution, pumping, or transmission lines will be constructed. For the commercial lot there will be a small 4" transmission line to the commercial buildings from the treatment building to carry treated water.

Unrelated to the Winsome Subdivision there will be four (4) well sites on the Winsome Subdivision property to transfer non-tributary water from the property to the Sterling Ranch Development for municipal uses. In addition, there will also be several transmission lines from the well sites to deliver water to Sterling Ranch Metropolitan District property. These transmission lines will not serve the Winsome Subdivision.

#### *5.5 Water Quality*

As mentioned previously representative samples out of the Dawson formation were taken from an existing adjacent well drilled into the Dawson aquifer. Samples for constituents required by El Paso County regulations for a confined aquifer were taken from the Gowler Property (11745 Quiet Waters PT) on February 7<sup>th</sup>, 2019. The source was approved by Nina Ruiz with El Paso County Development Services on November 14<sup>th</sup>, 2018. Water quality testing was performed by Colorado Analytical Laboratories per El Paso County Land Development Code section 8.4.7(B). Water quality results are included in **Appendix E**. The only constituents of concern were for combined radium 226+228 and manganese.

Combined radium 226 + 228 – the Maximum Contaminant Limit (MCL) for this constituent is 5 pCi/l. The result for this constituent from water sampling the Gowler Well is 8.3 pCi/l. Of note, the Colorado Department of Health and Environment would not consider one result above the MCL as a violation of the coRAD MCL and would instead take a series of samples over the entire year and take the average of these results to compare to the state MCL before issuing a violation. In addition, the presence of radium in an aquifer is rarely consistent with the potential that radium could be present in one well and then 100 feet away not exist at all. Moreover, the EPA has proposed that the standard MCL be raised to 20 pCi/l as the current MCL is well below levels in which health effects have been observed. For comparison purposes, the risk associated with consuming water containing 5 pCi/l of radium for one year is comparable to one chest X-ray. However, if residents of the development wish to provide an extra layer of protection on their source water and eliminate all potential of radium in their drinking water the installation of a water softener featuring ion exchange or a residential reverse osmosis unit is fairly simple. A list of manufacturers for these units can be provided to homebuilders, if desired.



Manganese – manganese is considered an aesthetic water quality issue and only features a secondary maximum contaminant level (SMCL). The SMCL for manganese is 0.05 mg/L while the results from the Gowler Well came in at 0.1171 mg/L. Manganese exists naturally and is found in several foods including nuts, legumes, seeds, teas, whole grains, and vegetables. However, if found in excess of the SMCL it can impair color, odor, or taste of the water. According to the EAP, however, health effects are not a concern until concentrations of manganese are found to be 10 times higher (or 0.5 mg/L). Regardless, manganese can be removed from drinking water using the same ion exchange or reverse osmosis units described above.



## **6.0 EL PASO COUNTY MASTER PLANNING ELEMENTS**

### *6.1 County Water Master Plan 2040 and 2060 Projections*

The subject property lies within the El Paso County Water Master Planning area, Region #4a.

### *6.2 Buildout (Including 2040 and 2060 Buildout):*

Expected buildout of the subject property is thirty-eight (38) residential lots, ranging from 5.01 acres to 7.58 acres in size. Demands for the entire subdivision are listed in Section 3.0 of this report.

### *6.3 Description of Long-Term Planning and Future Sources of Supply*

Per El Paso County criteria, the 300-year supply of water for the subject property appears to be more than adequate for full buildout, which would include both the 2040 and 2060 scenarios. However, the proposed supply in the Dawson aquifer is based on non-renewable sources.

If needed beyond the 300-year supply in the Dawson formation, the subdivision has water rights in the Denver. Remaining rights in the Denver, Arapahoe, and Laramie Fox-Hills are subject to sale to Sterling Ranch Metropolitan District. Please refer to the water cases shown in **Appendix C** and replacement plans shown in **Appendix D**.

### *6.4 Water System Interconnects*

The closest source for a potential interconnect is the Park Forest Water District – approximately 3.5 miles to the southwest.

It is not anticipated (and Park Forest Water District has not been contacted) that an interconnect is needed or warranted.

## **7.0 CONCLUSION**

**The subject property has adequate water supply to meet the needs of the proposed subdivision on a 300-year basis.**

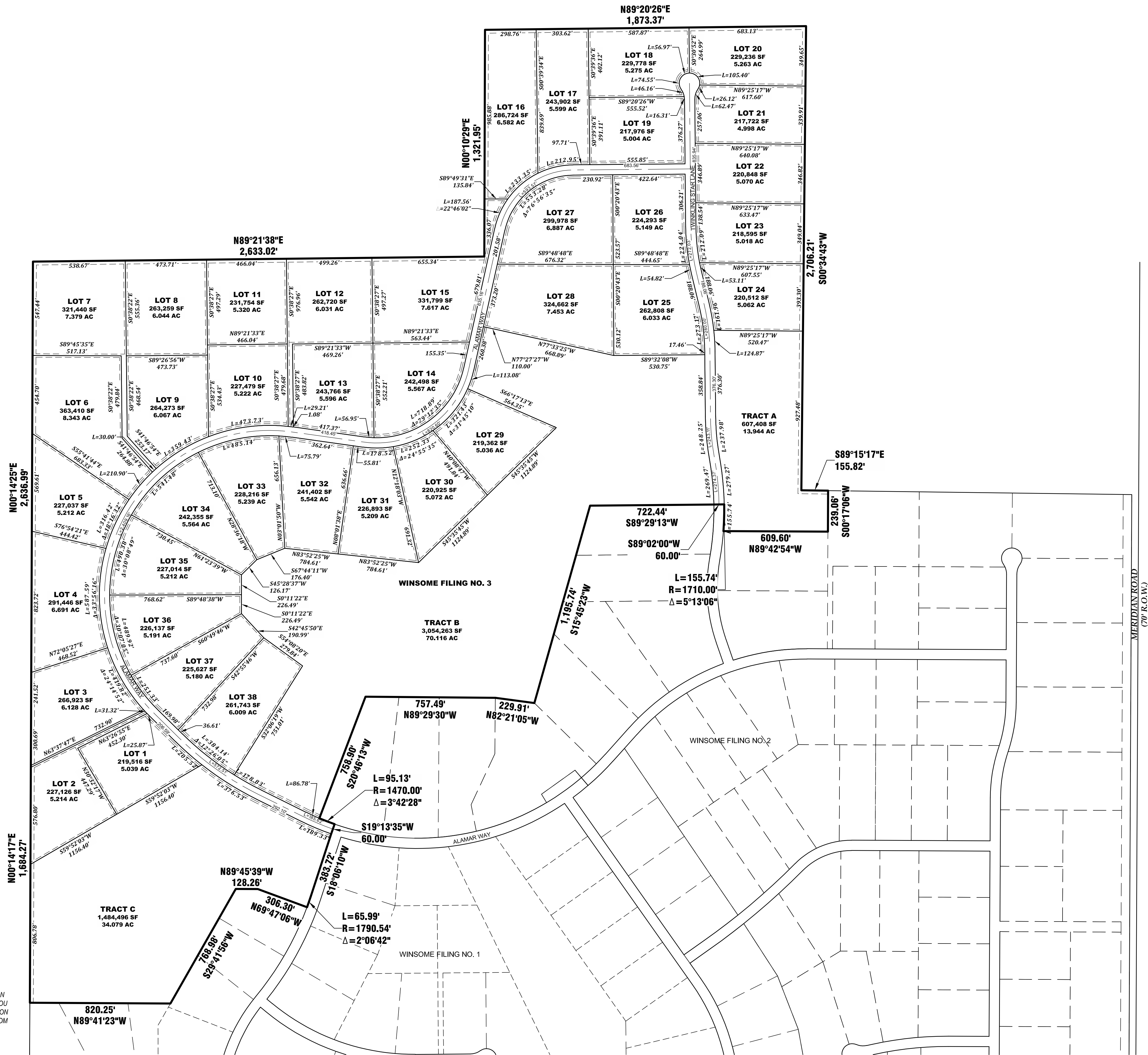
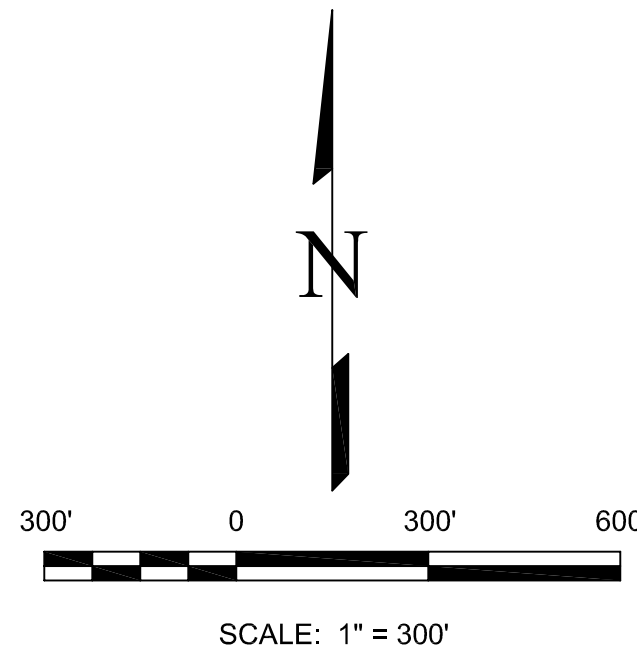


# *Appendix A*



# WINSOME FILING NO. 3

## EXHIBIT



### NOTICE:

ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.

REVISIONS		DATE
NO.	DESCRIPTION	

**EDWARD-JAMES SURVEYING, INC.**

926 Elkon Drive  
Colorado Springs, CO 80907  
Office: (719) 576-1216  
Fax: (719) 545-6247

WINSOME FILING NO. 3

DRAWN BY	JWT
CHECKED BY	ERF
H-SCALE	1"=300'
JOB NO.	1858-04
DATE CREATED	4-12-21
DATE ISSUED	4-16-21
SHEET NO	1 OF 1



# *Appendix B*



## WATER SUPPLY INFORMATION SUMMARY

Section 30-28-133,(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence that a Water supply that is sufficient in terms of quantity, quality, and dependability will be available to ensure an adequate supply of water"

1. NAME OF DEVELOPMENT AS PROPOSED				<u>Winsome Filing No. 3</u>			
2. LAND USE ACTION				<u>Final Plat</u>			
3. NAME OF EXISTING PARCEL AS RECORDED				<u>Unnamed</u>			
SUBDIVISION		<u>Winsome</u>		FILING		<u>3</u>	
BLOCK		<u>N/A</u>		Lot		<u>N/A</u>	
4. TOTAL ACERAGE		<u>365.66</u>		5. NUMBER OF LOTS PROPOSED		<u>38</u>	
PLAT MAPS ENCLOSED				<input checked="" type="checkbox"/>			
6. PARCEL HISTORY - Please attach copies of deeds, plats, or other evidence or documentation. (In submittal package)							
A. Was parcel recorded with county prior to June 1, 1972? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							
B. Has the parcel ever been part of a division of land action since June 1, 1972? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							
If yes, describe the previous action							
7. LOCATION OF PARCEL - Include a map delineating the project area and tie to a section corner. (In submittal)							
<u>PORTIONS OF</u> SECTION 13 and 24 TOWNSHIP <u>11</u> <input type="checkbox"/> N <input checked="" type="checkbox"/> S RANGE <u>64 and 65</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W							
PRINCIPAL MERIDIAN: <input checked="" type="checkbox"/> 6TH <input type="checkbox"/> N.M. <input type="checkbox"/> UTE <input type="checkbox"/> COSTILLA							
8. PLAT - Location of all wells on property must be plotted and permit numbers provided. - no wells have been drilled at this time, and no existing wells are located on the property.							
Surveyors plat <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If not, scaled hand -drawn sketch Y <input type="checkbox"/> NO							
9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Foot per Year				10. WATER SUPPLY SOURCE			
HOUSEHOLD USE # * <u>38</u> of units <u>10,177</u> GPD <u>11.400</u> AF				<input type="checkbox"/> EXISTING <input checked="" type="checkbox"/> DEVELOPED <input checked="" type="checkbox"/> NEW WELLS			
COMMERCIAL USE # <u>N/A</u> SF <u>-</u> GPD <u>-</u> AF				WELLS SPRING WELL PERMIT NUMBERS			
IRRIGATION # ** <u>9.5000</u> acres <u>8,481</u> GPD <u>9.500</u> AF				Proposed Aquifers - (Check One) <input type="checkbox"/> Alluvial <input type="checkbox"/> Upper Arapahoe <input checked="" type="checkbox"/> Upper Dawson <input type="checkbox"/> Lower Arapahoe <input type="checkbox"/> Lower Dawson <input type="checkbox"/> Laramie Fox Hills <input type="checkbox"/> Denver <input type="checkbox"/> Dakota <input type="checkbox"/> Other			
ANIMAL WATERING # *** <u>152</u> 244 <u>1,696</u> GPD <u>1.9</u> AF				<input type="checkbox"/> MUNICIPAL			
TOTAL <u>20,355</u> GPD <u>22.800</u> AF *				<input type="checkbox"/> ASSOCIATION			
* Per Part 10 of the Findings from Rep. Plan No. 2 and Part 11 of Rep. Plan No. 3				<input type="checkbox"/> COMPANY			
** Assuming 0.25 AF/year/res. lot and 2.46 AF/acre/year for commercial irrigation				<input type="checkbox"/> DISTRICT			
*** Per Part 2.c. Rep. Plan No. 2, Appendix C of Report (assuming 4 horses/SFE)				NAME: <u>N/A</u>			
				LETTER OF COMMITMENT FOR			
				SERVICE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
11. ENGINEER'S WATER SUPPLY REPORT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If yes, please forward with this form. (This may be required before our review is completed)							
12. TYPE OF SEWAGE DISPOSAL SYSTEM							
<input checked="" type="checkbox"/> SEPTIC TANK/LEACH FIELD				<input type="checkbox"/> CENTRAL SYSTEM - DISTRICT NAME:			
<input type="checkbox"/> LAGOON				<input type="checkbox"/> VAULT - LOCATION SEWAGE HAULED TO:			
<input type="checkbox"/> ENGINEERED SYSTEM (Attach a copy of engineering design)				<input type="checkbox"/> OTHER:			



# *Appendix C*



**Appendix D**  
**Winsome, LLC- Winsome Subdivision**  
**Overall Water Supply Inventory (Phases 1-3)**

Land Formation/Aquifer	Finding/ Decree	Tributary Status	Volume	Annual Allocation 100 Year	Annual Allocation 300 Year	Notes	Saturated Sand Thickness	Specific Yield	Owner
			Acre-Feet	A-F/Year	A-F/Year				
Currently Available On-Site Ground Water Legal Sources (Note 1 & 2)									
Dawson	1692-BD	NNT	69,797	697.97	232.66	Entirety of McCune Ranch Subdivision demand will be met with water from Dawson Aquifer	455	20%	George F. McCune and Evelyn McCune
Denver	1691-BD	NT	44,985	449.85	149.95	60 acre-feet/year will be kept for McCune Ranch, with the remainder sold to Sterling Ranch	345	17%	George F McCune and Evelyn McCune
Arapahoe	1690-BD	NT	33,901	339.01	113.00	Water from this aquifer will be sold to Sterling Ranch and not used at the McCune Ranch Subdivision	260	17%	George F McCune and Evelyn McCune
Laramie-Fox Hills	1689-BD	NT	22,435	224.35	74.78	Water from this aquifer will be sold to Sterling Ranch and not used at the McCune Ranch Subdivision	195	15%	George F McCune and Evelyn McCune
Total Legal Supply			171,118	1,711	570				
Total Available for Use at McCune Ranch Subdivision			75,797		293				

*Beneficial Uses*    Domestic  
Industrial  
Commercial  
Irrigation  
Augmentation  
Stock watering  
Recreational water feature ponds  
Piscatorial  
Wildlife  
Replacement



**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR DETERMINATION OF WATER RIGHT TO  
ALLOW THE WITHDRAWAL OF GROUND WATER IN THE KIOWA-BIJOU DESIGNATED  
GROUND WATER BASIN

APPLICANT: GEORGE F. MCCUNE AND EVELYN MCCUNE

AQUIFER: DAWSON

DETERMINATION NO.: **1692-BD**

ROBERT C. "BOB" BALINK El Paso County, CO

07/10/2008 03:13:17 PM

Doc \$0.00 Page

Rec \$36.00 1 of 7



In compliance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, George F. McCune and Evelyn McCune (hereinafter "applicant") submitted an application for determination of water right to allow the withdrawal of designated ground water from the Dawson Aquifer.

**FINDINGS**

1. The application was received complete by the Colorado Ground Water Commission on April 17, 2008.
2. The applicant requests a determination of rights to designated ground water in the Dawson Aquifer (hereinafter "aquifer") underlying 900.52 acres, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, in El Paso County. According to a signed statement dated April 17, 2008, the applicant owns the 900.52 acres of land, as further described in said affidavit which is attached hereto as Exhibit A, and claims control of the ground water in the aquifer underlying this land area.
3. The proposed annual amount of ground water to be allocated and withdrawn from the aquifer for intended beneficial uses is the maximum allowable amount.
4. The above described land area overlying the ground water claimed by the applicant is located within the boundaries of the Kiowa-Bijou Designated Ground Water Basin. The Colorado Ground Water Commission (hereinafter "Commission") has jurisdiction.
5. The applicant intends to apply the allocated ground water to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The applicant's proposed place of use of the allocated ground water is the above described 900.52 acre land area.
6. The quantity of water in the aquifer underlying the 900.52 acres of land claimed by the applicant is 81900 acre-feet. This determination was based on the following as specified in the Designated Basin Rules:

RECORDER NOTE: Legibility of  
writing, typing or printing  
UNSATISFACTORY in portions  
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- a. The average specific yield of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 20 percent.
  - b. The average thickness of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 455 feet.
7. At this time, there is no substantial artificial recharge that would affect the aquifer within a one hundred year period.
  8. Pursuant to Section 37-90-107(7), C.R.S., and in accordance with the Designated Basin Rules, the Commission shall allocate ground water in the aquifer based on ownership of the overlying land and an aquifer life of one hundred years. Therefore, the maximum allowed average annual amount of ground water in the aquifer that may be allocated for withdrawal pursuant to the data in the paragraphs above for the 900.52 acres of overlying land claimed by the applicant is 819 acre-feet.
  9. A review of the records in the Office of the State Engineer has disclosed that none of the water in the aquifer underlying the land claimed by the applicant has been previously allocated or permitted for withdrawal.
  10. Pursuant to Section 37-90-107(7)(c)(III), C.R.S., an approved determination of water right shall be considered a final determination of the amount of ground water so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
  11. The ability of wells permitted to withdraw the authorized amount of water from this non-renewable aquifer may be less than the one hundred years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.
  12. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of ground water from the aquifer underlying the land claimed by the applicant will, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the ground water is considered to be not-nontributary ground water. Withdrawal of water from the aquifer underlying the claimed land area would impact the alluvial aquifer of Kiowa Creek or its tributaries, which has been determined to be over-appropriated. Commission approval of a replacement plan - pursuant to Section 37-90-107.5, C.R.S., and Rule 5.6 of the Designated Basin Rules - providing for the actual depletion of the alluvial aquifer and adequate to prevent any material injury to existing water rights, would be required prior to approval of well permits for wells to be located on this land area to withdraw the allocated ground water from the aquifer.
  13. In accordance with Section 37-90-107(7), C.R.S., upon Commission approval of a determination of water right, well permits for wells to withdraw the authorized amount of water from the aquifer shall be available upon application, subject to the conditions of this determination and the Designated Basin Rules and subject to approval by the Commission.



14. The Commission Staff has evaluated the application relying on the claims to control of the ground water in the aquifer made by the applicant.
15. In accordance with Sections 37-90-107(7) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on May 8 and May 15, 2008.
16. No objections to the determination of water right and proposed allocation of ground water were received within the time limit set by statute.
17. In order to prevent unreasonable impairment to the existing water rights of others within the Kiowa-Bijou Designated Ground Water Basin it is necessary to impose conditions on the determination of water right and proposed allocation of ground water. Under conditions as stated in the following Order, no unreasonable impairment of existing water rights will occur from approval of this determination of water right or from the issuance of well permits for wells to withdraw the authorized amount of allocated ground water from the aquifer.

### **ORDER**

In accordance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for determination of rights to designated ground water in the Dawson Aquifer underlying 900.52 acres of land, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, is approved subject to the following conditions:

18. The allowed average annual amount of withdrawal of ground water from the aquifer shall not exceed 819 acre-feet. The allowed maximum annual amount of withdrawal may exceed the allowed average annual amount of withdrawal as long as the total volume of water withdrawn does not exceed the product of the number of years since the date of approval of this determination times the allowed average annual amount of withdrawal.
19. To conform to actual aquifer characteristics, the Commission may adjust the allowed average annual amount of ground water to be withdrawn from the aquifer based on analysis of geophysical logs or other site-specific data if such analysis indicates that the initial estimate of the volume of water in the aquifer was incorrect.
20. The applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
21. Commission approval of a replacement plan, providing for actual depletion of affected alluvial aquifers and adequate to prevent any material injury to existing water rights in such alluvial aquifers is required prior to approval of well permits for wells to be located on the overlying land area to withdraw ground water from the aquifer.



22. The use of ground water from this allocation shall be limited to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The place of use shall be limited to the above described 900.52 acre land area.
23. The applicant, or subsequent persons controlling this water right, shall record in the public records of the county - in which the claimed overlying land is located - notice of transfer of any portion of this water right to another within sixty days after the transfer, so that a title examination of the above described 900.52 acre land area, or any part thereof, shall reveal the changes affecting this water right. Such notice shall consist of a signed and dated deed which indicates the determination number, the aquifer, a description of the above described land area, the annual amount of ground water (acre-feet) transferred, name of the recipient, and the date of transfer.
24. Subject to the above conditions, well permits for wells to withdraw the allocated annual amount of water from the aquifer shall be available upon application subject to approval by the Commission and the following conditions:
  - a. The wells shall be located on the above described 900.52 acre overlying land area.
  - b. The wells must be constructed to withdraw water from only the Dawson Aquifer. Upon application for a well permit to construct such a well, the estimated top and base of the aquifer at the proposed well location will be determined by the Commission and indicated on the approved well permit. Plain non-perforated casing must be installed, grouted and sealed to prevent diversion of ground water from other aquifers and the movement of ground water between aquifers.
  - c. The entire depth of each well must be geophysically logged prior to installing the casing as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
  - d. Each well shall be constructed within 200 feet of the location specified on the approved well permit, but must be more than 600 feet from any existing large-capacity well completed in the same aquifer.
  - e. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and maintained by the well owner and submitted to the Commission upon their request.
  - f. The well owner shall mark the well in a conspicuous place with the permit number and the name of the aquifer. The well owner shall take necessary means and precautions to preserve these markings.
25. A copy of this Findings and Order shall be recorded by the applicant in the public records of the county in which the claimed overlying land is located so that a title examination of the above described 900.52 acre overlying land area, or any part thereof, shall reveal the existence of this determination.



Applicant: George F. McCune and Evelyn McCune  
Aquifer: Dawson  
Determination No.: 1692-BD

Page 5

Dated this 25<sup>th</sup> day of June, 2008.



Dick Wolfe, P.E.  
Executive Director  
Colorado Ground Water Commission

By: 

Keith Vander Horst, P.E.  
Water Resource Engineer

Prepared by: JPM



92GWS 1  
03/2005

EXHIBIT A

1692-BD

Page 1 of 2

STATE OF COLORADO  
OFFICE OF THE STATE ENGINEER  
DIVISION OF WATER RESOURCES  
1313 Sherman St. Room 821  
Denver, CO 80203  
(303) 866-3581 Fax (303) 866-3589

RECEIVED

APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

**NONTRIBUTARY GROUND WATER LANDOWNERSHIP STATEMENT**

I (We) George F. McCune and Evelyn McCune  
(Name(s))

claim and say that I (we) am (are) the owner(s) of the following described property consisting of  
900.52 acres in the County of El Paso  
State of Colorado:

(Insert the property legal description)

**SW/4SW/4 Section 18 and W/2 of the W/2 Section 19, T11S, R64W, and S/2SE/4 Section 13  
and All of Section 24, T11S R65W, 6<sup>th</sup> PM, El Paso County, 900.52 acres**

**See attached Quitclaim Deed dated November 29, 1976, and map.**

and, that the ground water sought to be withdrawn from the Dawson  
aquifer underlying the above-described land has not been conveyed or reserved to another, nor has  
consent been given to its withdrawal by another.

Further, I (we) claim and say that I (we) have read the statements made herein; know the contents  
hereof; and that the same are true to my (our) knowledge.

Signature

George F. McCune

Date

Signature

Evelyn M. McCune

Date

.....  
**INSTRUCTIONS:**

Please type or print neatly in black or blue ink. This form may be reproduced by photocopy or word  
processing means. See additional information on the reverse side.



County of El Paso, State of Colorado

RECEIVED AT

7<sup>th</sup> DISTRICT COURT NOV 29 1976

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HARRIS BEALS

QUITCLAIM DEED

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APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

580783

RAY C. McCUNE and GRETA C. McCUNE, as husband and wife, of the County of El Paso and State of Colorado, for the consideration of One Dollar (\$1.00) and other good and valuable consideration, in hand paid, hereby sell and quit claim to GEORGE F. McCUNE and EVELYN M. McCUNE, husband and wife, in joint tenancy, of the County of Elbert and State of Colorado, a one-half interest in and to all minerals underlying the following described property, including oil and gas, said property lying and being in the County of El Paso and State of Colorado, to wit:

The Southwest quarter of the Southwest quarter of Section Eighteen, Township Eleven, Range Sixty-four; the West half of the West half of Section Nineteen, Township Eleven, Range Sixty-four; the South half of the Southeast Quarter of Section Thirteen, Township Eleven, Range Sixty-five; All of Section Twenty-four, Township Eleven, Range Sixty-five, containing in all Nine hundred and fifty-two hundredths (900.52) acres, more or less, according to Government Survey,

with all its appurtenances.

No  
Consideration

DATED and signed this 22 day of Nov., 1976.

STATE DOCUMENTARY

NOV 29 1976

FEE \$ None

Ray C. McCune  
Ray C. McCune

Greta C. McCune  
Greta C. McCune

STATE OF COLORADO )  
COUNTY OF EL PASO )

The foregoing instrument was acknowledged before me this 22 day of Nov., 1976, by Ray C. McCune and Greta C. McCune.

Stephanie Young  
Notary Public

My commission expires: 6/20/78



**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR DETERMINATION OF WATER RIGHT TO  
ALLOW THE WITHDRAWAL OF GROUND WATER IN THE KIOWA-BIJOU DESIGNATED  
GROUND WATER BASIN

---

APPLICANT: GEORGE F. MCCUNE AND EVELYN MCCUNE

AQUIFER: DENVER

DETERMINATION NO.: 1691-BD

ROBERT C. "BOB" BALINK

El Paso County, CO

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1 of 7



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In compliance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, George F. McCune and Evelyn McCune (hereinafter "applicant") submitted an application for determination of water right to allow the withdrawal of designated ground water from the Denver Aquifer.

**FINDINGS**

1. The application was received complete by the Colorado Ground Water Commission on April 17, 2008.
2. The applicant requests a determination of rights to designated ground water in the Denver Aquifer (hereinafter "aquifer") underlying 900.52 acres, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, in El Paso County. According to a signed statement dated April 17, 2008, the applicant owns the 900.52 acres of land, as further described in said affidavit which is attached hereto as Exhibit A, and claims control of the ground water in the aquifer underlying this land area.
3. The proposed annual amount of ground water to be allocated and withdrawn from the aquifer for intended beneficial uses is the maximum allowable amount.
4. The above described land area overlying the ground water claimed by the applicant is located within the boundaries of the Kiowa-Bijou Designated Ground Water Basin. The Colorado Ground Water Commission (hereinafter "Commission") has jurisdiction.
5. The applicant intends to apply the allocated ground water to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The applicant's proposed place of use of the allocated ground water is the above described 900.52 acre land area.
6. The quantity of water in the aquifer underlying the 900.52 acres of land claimed by the applicant is 52800 acre-feet. This determination was based on the following as specified in the Designated Basin Rules:

RECORDER NOTE: Legibility of  
writing, typing or printing  
UNSATISFACTORY in portions  
of this document when received



- a. The average specific yield of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 17 percent.
- b. The average thickness of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 345 feet.
7. At this time, there is no substantial artificial recharge that would affect the aquifer within a one hundred year period.
8. Pursuant to Section 37-90-107(7), C.R.S., and in accordance with the Designated Basin Rules, the Commission shall allocate ground water in the aquifer based on ownership of the overlying land and an aquifer life of one hundred years. Therefore, the maximum allowed average annual amount of ground water in the aquifer that may be allocated for withdrawal pursuant to the data in the paragraphs above for the 900.52 acres of overlying land claimed by the applicant is 528 acre-feet.
9. A review of the records in the Office of the State Engineer has disclosed that none of the water in the aquifer underlying the land claimed by the applicant has been previously allocated or permitted for withdrawal.
10. Pursuant to Section 37-90-107(7)(c)(III), C.R.S., an approved determination of water right shall be considered a final determination of the amount of ground water so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
11. The ability of wells permitted to withdraw the authorized amount of water from this non-renewable aquifer may be less than the one hundred years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.
12. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of ground water from the aquifer underlying the land claimed by the applicant will not, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the ground water is nontributary ground water as defined in Rule 4.2.19 of the Designated Basin Rules. No more than 98% of the amount of ground water withdrawn annually shall be consumed, as required by the Designated Basin Rules.
13. In accordance with Section 37-90-107(7), C.R.S., upon Commission approval of a determination of water right, well permits for wells to withdraw the authorized amount of water from the aquifer shall be available upon application, subject to the conditions of this determination and the Designated Basin Rules and subject to approval by the Commission.
14. The Commission Staff has evaluated the application relying on the claims to control of the ground water in the aquifer made by the applicant.



15. In accordance with Sections 37-90-107(7) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on May 8 and May 15, 2008.
16. No objections to the determination of water right and proposed allocation of ground water were received within the time limit set by statute.
17. In order to prevent unreasonable impairment to the existing water rights of others within the Kiowa-Bijou Designated Ground Water Basin it is necessary to impose conditions on the determination of water right and proposed allocation of ground water. Under conditions as stated in the following Order, no unreasonable impairment of existing water rights will occur from approval of this determination of water right or from the issuance of well permits for wells to withdraw the authorized amount of allocated ground water from the aquifer.

### **ORDER**

In accordance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for determination of rights to designated ground water in the Denver Aquifer underlying 900.52 acres of land, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, is approved subject to the following conditions:

18. The allowed average annual amount of withdrawal of ground water from the aquifer shall not exceed 528 acre-feet. The allowed maximum annual amount of withdrawal may exceed the allowed average annual amount of withdrawal as long as the total volume of water withdrawn does not exceed the product of the number of years since the date of approval of this determination times the allowed average annual amount of withdrawal.
19. To conform to actual aquifer characteristics, the Commission may adjust the allowed average annual amount of ground water to be withdrawn from the aquifer based on analysis of geophysical logs or other site-specific data if such analysis indicates that the initial estimate of the volume of water in the aquifer was incorrect.
20. The applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
21. No more than 98% of the ground water withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the water withdrawn is being consumed.
22. The use of ground water from this allocation shall be limited to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The place of use shall be limited to the above described 900.52 acre land area.



23. The applicant, or subsequent persons controlling this water right, shall record in the public records of the county - in which the claimed overlying land is located - notice of transfer of any portion of this water right to another within sixty days after the transfer, so that a title examination of the above described 900.52 acre land area, or any part thereof, shall reveal the changes affecting this water right. Such notice shall consist of a signed and dated deed which indicates the determination number, the aquifer, a description of the above described land area, the annual amount of ground water (acre-feet) transferred, name of the recipient, and the date of transfer.
24. Subject to the above conditions, well permits for wells to withdraw the allocated annual amount of water from the aquifer shall be available upon application subject to approval by the Commission and the following conditions:
  - a. The wells shall be located on the above described 900.52 acre overlying land area.
  - b. The wells must be constructed to withdraw water from only the Denver Aquifer. Upon application for a well permit to construct such a well, the estimated top and base of the aquifer at the proposed well location will be determined by the Commission and indicated on the approved well permit. Plain non-perforated casing must be installed, grouted and sealed to prevent diversion of ground water from other aquifers and the movement of ground water between aquifers.
  - c. The entire depth of each well must be geophysically logged prior to installing the casing as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
  - d. Each well shall be constructed within 200 feet of the location specified on the approved well permit, but must be more than 600 feet from any existing large-capacity well completed in the same aquifer.
  - e. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and maintained by the well owner and submitted to the Commission upon their request.
  - f. The well owner shall mark the well in a conspicuous place with the permit number and the name of the aquifer. The well owner shall take necessary means and precautions to preserve these markings.
25. A copy of this Findings and Order shall be recorded by the applicant in the public records of the county in which the claimed overlying land is located so that a title examination of the above described 900.52 acre overlying land area, or any part thereof, shall reveal the existence of this determination.



Applicant: George F. McCune and Evelyn McCune  
Aquifer: Denver  
Determination No.: 1691-BD

Page 5

Dated this 25<sup>th</sup> day of June, 2008.



Dick Wolfe, P.E.  
Executive Director  
Colorado Ground Water Commission

By: 

Keith Vander Horst, P.E.  
Water Resource Engineer

Prepared by: JPM



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03/2005

EXHIBIT A

1691-BD

Page 1 of 2

STATE OF COLORADO  
OFFICE OF THE STATE ENGINEER  
DIVISION OF WATER RESOURCES  
1313 Sherman St. Room 821  
Denver, CO 80203  
(303) 866-3581 Fax (303) 866-3589

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APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

**NONTRIBUTARY GROUND WATER LANDOWNERSHIP STATEMENT**

I (We) George F. McCune and Evelyn McCune  
(Name(s))

claim and say that I (we) am (are) the owner(s) of the following described property consisting of  
900.52 acres in the County of El Paso  
State of Colorado:

(Insert the property legal description)

**SW/4SW/4 Section 18 and W/2 of the W/2 Section 19, T11S, R64W, and S/2SE/4 Section 13  
and All of Section 24, T11S R65W, 6<sup>th</sup> PM, El Paso County, 900.52 acres**

**See attached Quitclaim Deed dated November 29, 1976, and map.**

and, that the ground water sought to be withdrawn from the Denver  
aquifer underlying the above-described land has not been conveyed or reserved to another, nor has  
consent been given to its withdrawal by another.

Further, I (we) claim and say that I (we) have read the statements made herein; know the contents  
hereof; and that the same are true to my (our) knowledge.

Signature

George F. McCune

Date

Signature

Evelyn M. McCune

Date

.....  
**INSTRUCTIONS:**

Please type or print neatly in black or blue ink. This form may be reproduced by photocopy or word  
processing means. See additional information on the reverse side.



County of El Paso, State of Colorado

RECEIVED AT 7:20 AM NOV 29 1976

RECEIVED AT 2:00 PM NOV 29 1976

HARVEY BEALE, Notary Public

## QUITCLAIM DEED

RAY C. McCUNE and GRETA C. McCUNE, as husband and wife, of the County

of El Paso and State of Colorado, for the consideration of One Dollar (\$1.00) and other good and valuable consideration, in hand paid, hereby sell and quit claim to GEORGE F. McCUNE and EVELYN M. McCUNE, husband and wife, in joint tenancy, of the County

of Elbert and State of Colorado, a one-half interest in and to all minerals underlying the following described property, including oil and gas, said property lying and being in the County of El Paso and State of Colorado, to wit:

The Southwest quarter of the Southwest quarter of Section Eighteen, Township Eleven, Range Sbdy-four; the West half of the West half of Section Nineteen, Township Eleven, Range Sbdy-four; the South half of the Southeast Quarter of Section Thirteen, Township Eleven, Range Sbdy-five; All of Section Twenty-four, Township Eleven, Range Sbdy-five, containing in all Nine hundred and fifty-two hundredths (900.52) acres, more or less, according to Government Survey.

with all its appurtenances.

No  
ConsiderationDATED and signed this 22 day of Nov., 1976.

STATE DOCUMENTARY

NOV 29 1976

FEE \$ None

Ray C. McCune  
Ray C. McCune

Greta C. McCune  
Greta C. McCune

STATE OF COLORADO )  
COUNTY OF EL PASO ) ss.

The foregoing instrument was acknowledged before me this 22 day of Nov., 1976, by Ray C. McCune and Greta C. McCune.

Stephanie J. Jancy  
Notary Public

My commission expires: 6/20/78

SECRET

2877 197

RECEIVED

APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.



**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR DETERMINATION OF WATER RIGHT TO  
ALLOW THE WITHDRAWAL OF GROUND WATER IN THE KIOWA-BIJOU DESIGNATED  
GROUND WATER BASIN

---

APPLICANT: GEORGE F. MCCUNE AND EVELYN MCCUNE

AQUIFER: ARAPAHOE

DETERMINATION NO.: 1690-BD

ROBERT C. "BOB" BALINK El Paso County, CO  
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In compliance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, George F. McCune and Evelyn McCune (hereinafter "applicant") submitted an application for determination of water right to allow the withdrawal of designated ground water from the Arapahoe Aquifer.

**FINDINGS**

1. The application was received complete by the Colorado Ground Water Commission on April 17, 2008.
2. The applicant requests a determination of rights to designated ground water in the Arapahoe Aquifer (hereinafter "aquifer") underlying 900.52 acres, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, in El Paso County. According to a signed statement dated April 17, 2008, the applicant owns the 900.52 acres of land, as further described in said affidavit which is attached hereto as Exhibit A, and claims control of the ground water in the aquifer underlying this land area.
3. The proposed annual amount of ground water to be allocated and withdrawn from the aquifer for intended beneficial uses is the maximum allowable amount.
4. The above described land area overlying the ground water claimed by the applicant is located within the boundaries of the Kiowa-Bijou Designated Ground Water Basin. The Colorado Ground Water Commission (hereinafter "Commission") has jurisdiction.
5. The applicant intends to apply the allocated ground water to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The applicant's proposed place of use of the allocated ground water is the above described 900.52 acre land area.
6. The quantity of water in the aquifer underlying the 900.52 acres of land claimed by the applicant is 39800 acre-feet. This determination was based on the following as specified in the Designated Basin Rules:

RECORDED NOTED  
writing, typing or printing  
UNSATISFACTORY in portions  
of this document when received



- a. The average specific yield of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 17 percent.
  - b. The average thickness of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 260 feet.
7. At this time, there is no substantial artificial recharge that would affect the aquifer within a one hundred year period.
  8. Pursuant to Section 37-90-107(7), C.R.S., and in accordance with the Designated Basin Rules, the Commission shall allocate ground water in the aquifer based on ownership of the overlying land and an aquifer life of one hundred years. Therefore, the maximum allowed average annual amount of ground water in the aquifer that may be allocated for withdrawal pursuant to the data in the paragraphs above for the 900.52 acres of overlying land claimed by the applicant is 398 acre-feet.
  9. A review of the records in the Office of the State Engineer has disclosed that none of the water in the aquifer underlying the land claimed by the applicant has been previously allocated or permitted for withdrawal.
  10. Pursuant to Section 37-90-107(7)(c)(III), C.R.S., an approved determination of water right shall be considered a final determination of the amount of ground water so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
  11. The ability of wells permitted to withdraw the authorized amount of water from this non-renewable aquifer may be less than the one hundred years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.
  12. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of ground water from the aquifer underlying the land claimed by the applicant will not, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the ground water is nontributary ground water as defined in Rule 4.2.19 of the Designated Basin Rules. No more than 98% of the amount of ground water withdrawn annually shall be consumed, as required by the Designated Basin Rules.
  13. In accordance with Section 37-90-107(7), C.R.S., upon Commission approval of a determination of water right, well permits for wells to withdraw the authorized amount of water from the aquifer shall be available upon application, subject to the conditions of this determination and the Designated Basin Rules and subject to approval by the Commission.
  14. The Commission Staff has evaluated the application relying on the claims to control of the ground water in the aquifer made by the applicant.



15. In accordance with Sections 37-90-107(7) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on May 8 and May 15, 2008.
16. No objections to the determination of water right and proposed allocation of ground water were received within the time limit set by statute.
17. In order to prevent unreasonable impairment to the existing water rights of others within the Kiowa-Bijou Designated Ground Water Basin it is necessary to impose conditions on the determination of water right and proposed allocation of ground water. Under conditions as stated in the following Order, no unreasonable impairment of existing water rights will occur from approval of this determination of water right or from the issuance of well permits for wells to withdraw the authorized amount of allocated ground water from the aquifer.

### **ORDER**

In accordance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for determination of rights to designated ground water in the Arapahoe Aquifer underlying 900.52 acres of land, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, is approved subject to the following conditions:

18. The allowed average annual amount of withdrawal of ground water from the aquifer shall not exceed 398 acre-feet. The allowed maximum annual amount of withdrawal may exceed the allowed average annual amount of withdrawal as long as the total volume of water withdrawn does not exceed the product of the number of years since the date of approval of this determination times the allowed average annual amount of withdrawal.
19. To conform to actual aquifer characteristics, the Commission may adjust the allowed average annual amount of ground water to be withdrawn from the aquifer based on analysis of geophysical logs or other site-specific data if such analysis indicates that the initial estimate of the volume of water in the aquifer was incorrect.
20. The applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
21. No more than 98% of the ground water withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the water withdrawn is being consumed.
22. The use of ground water from this allocation shall be limited to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The place of use shall be limited to the above described 900.52 acre land area.



23. The applicant, or subsequent persons controlling this water right, shall record in the public records of the county - in which the claimed overlying land is located - notice of transfer of any portion of this water right to another within sixty days after the transfer, so that a title examination of the above described 900.52 acre land area, or any part thereof, shall reveal the changes affecting this water right. Such notice shall consist of a signed and dated deed which indicates the determination number, the aquifer, a description of the above described land area, the annual amount of ground water (acre-feet) transferred, name of the recipient, and the date of transfer.
24. Subject to the above conditions, well permits for wells to withdraw the allocated annual amount of water from the aquifer shall be available upon application subject to approval by the Commission and the following conditions:
  - a. The wells shall be located on the above described 900.52 acre overlying land area.
  - b. The wells must be constructed to withdraw water from only the Arapahoe Aquifer. Upon application for a well permit to construct such a well, the estimated top and base of the aquifer at the proposed well location will be determined by the Commission and indicated on the approved well permit. Plain non-perforated casing must be installed, grouted and sealed to prevent diversion of ground water from other aquifers and the movement of ground water between aquifers.
  - c. The entire depth of each well must be geophysically logged prior to installing the casing as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
  - d. Each well shall be constructed within 200 feet of the location specified on the approved well permit, but must be more than 600 feet from any existing large-capacity well completed in the same aquifer.
  - e. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and maintained by the well owner and submitted to the Commission upon their request.
  - f. The well owner shall mark the well in a conspicuous place with the permit number and the name of the aquifer. The well owner shall take necessary means and precautions to preserve these markings.
25. A copy of this Findings and Order shall be recorded by the applicant in the public records of the county in which the claimed overlying land is located so that a title examination of the above described 900.52 acre overlying land area, or any part thereof, shall reveal the existence of this determination.



Applicant: George F. McCune and Evelyn McCune  
Aquifer: Arapahoe  
Determination No.: 1690-BD

Page 5

Dated this 25<sup>th</sup> day of June, 2008.



Dick Wolfe, P.E.  
Executive Director  
Colorado Ground Water Commission

By: 

Keith Vander Horst, P.E.  
Water Resource Engineer

Prepared by: JPM



92GWS 1  
03/2005

EXHIBIT A

1690-BD

Page 1 of 2

STATE OF COLORADO  
OFFICE OF THE STATE ENGINEER  
DIVISION OF WATER RESOURCES  
1313 Sherman St. Room 821  
Denver, CO 80203  
(303) 866-3581 Fax (303) 866-3589

RECEIVED

APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

**NONTRIBUTARY GROUND WATER LANDOWNERSHIP STATEMENT**

I (We) George F. McCune and Evelyn McCune

(Name(s))

claim and say that I (we) am (are) the owner(s) of the following described property consisting of  
900.52 acres in the County of El Paso  
State of Colorado:

(Insert the property legal description)

**SW/4SW/4 Section 18 and W/2 of the W/2 Section 19, T11S, R64W, and S/2SE/4 Section 13  
and All of Section 24, T11S R65W, 6<sup>th</sup> PM, El Paso County, 900.52 acres**

**See attached Quitclaim Deed dated November 29, 1976, and map.**

and, that the ground water sought to be withdrawn from the Arapahoe  
aquifer underlying the above-described land has not been conveyed or reserved to another, nor has  
consent been given to its withdrawal by another.

Further, I (we) claim and say that I (we) have read the statements made herein; know the contents  
hereof; and that the same are true to my (our) knowledge.

Signature

George F. McCune

Date

Signature

Evelyn M. McCune

Date

.....  
**INSTRUCTIONS:**

Please type or print neatly in black or blue ink. This form may be reproduced by photocopy or word  
processing means. See additional information on the reverse side.



County of El Paso, State of Colorado

RECEIVED AT

RECEIVED NO.

NOV 29 1976

HARVEY DEALE

2877 197

RECEIVED

APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

## QUITCLAIM DEED

RAY C. McCUNE and GRETA C. McCUNE, as husband and wife, of the County of El Paso and State of Colorado, for the consideration of One Dollar (\$1.00) and other good and valuable consideration, in hand paid, hereby sell and quit claim to GEORGE F. McCUNE and EVELYN M. McCUNE, husband and wife, in joint tenancy, of the County of Elbert and State of Colorado, a one-half interest in and to all minerals underlying the following described property, including oil and gas, said property lying and being in the County of El Paso and State of Colorado, to wit:

The Southwest quarter of the Southwest quarter of Section Eighteen, Township Eleven, Range Sbdy-four; the West half of the West half of Section Nineteen, Township Eleven, Range Sbdy-four; the South half of the Southeast Quarter of Section Thirteen, Township Eleven, Range Sbdy-five; All of Section Twenty-four, Township Eleven, Range Sbdy-five, containing in all Nine hundred and fifty-two hundredths (900.52) acres, more or less, according to Government Survey,

with all its appurtenances.

No  
Consideration

DATED and signed this 22 day of Nov., 1976.

STATE DOCUMENTARY

NOV 29 1976

FEE \$ None

Ray C. McCune  
Ray C. McCune

Greta C. McCune  
Greta C. McCune

STATE OF COLORADO )  
COUNTY OF EL PASO ) ss.

The foregoing instrument was acknowledged before me this 22 day of Nov., 1976, by Ray C. McCune and Greta C. McCune.

Stephanie Young  
Notary Public

My commission expires: 6/20/78

SACOTAS



**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR DETERMINATION OF WATER RIGHT TO  
ALLOW THE WITHDRAWAL OF GROUND WATER IN THE KIOWA-BIJOU DESIGNATED  
GROUND WATER BASIN

---

APPLICANT: GEORGE F. MCCUNE AND EVELYN MCCUNE

AQUIFER: LARAMIE-FOX HILLS

DETERMINATION NO.: 1689-BD

ROBERT C. "BOB" BALINK El Paso County, CO

07/10/2008 03:13:17 PM

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Rec \$36.00 1 of 7



In compliance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, George F. McCune and Evelyn McCune (hereinafter "applicant") submitted an application for determination of water right to allow the withdrawal of designated ground water from the Laramie-Fox Hills Aquifer.

**FINDINGS**

1. The application was received complete by the Colorado Ground Water Commission on April 17, 2008.
2. The applicant requests a determination of rights to designated ground water in the Laramie-Fox Hills Aquifer (hereinafter "aquifer") underlying 900.52 acres, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, in El Paso County. According to a signed statement dated April 17, 2008, the applicant owns the 900.52 acres of land, as further described in said affidavit which is attached hereto as Exhibit A, and claims control of the ground water in the aquifer underlying this land area.
3. The proposed annual amount of ground water to be allocated and withdrawn from the aquifer for intended beneficial uses is the maximum allowable amount.
4. The above described land area overlying the ground water claimed by the applicant is located within the boundaries of the Kiowa-Bijou Designated Ground Water Basin. The Colorado Ground Water Commission (hereinafter "Commission") has jurisdiction.
5. The applicant intends to apply the allocated ground water to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The applicant's proposed place of use of the allocated ground water is the above described 900.52 acre land area.
6. The quantity of water in the aquifer underlying the 900.52 acres of land claimed by the applicant is 26300 acre-feet. This determination was based on the following as specified in the Designated Basin Rules:

RECORDER NOTE: Legibility of  
writing, typing or printing  
UNSATISFACTORY in portions  
of this document when received



- a. The average specific yield of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 15 percent.
  - b. The average thickness of the saturated permeable material of the aquifer underlying the land under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 195 feet.
7. At this time, there is no substantial artificial recharge that would affect the aquifer within a one hundred year period.
  8. Pursuant to Section 37-90-107(7), C.R.S., and in accordance with the Designated Basin Rules, the Commission shall allocate ground water in the aquifer based on ownership of the overlying land and an aquifer life of one hundred years. Therefore, the maximum allowed average annual amount of ground water in the aquifer that may be allocated for withdrawal pursuant to the data in the paragraphs above for the 900.52 acres of overlying land claimed by the applicant is 263 acre-feet.
  9. A review of the records in the Office of the State Engineer has disclosed that none of the water in the aquifer underlying the land claimed by the applicant has been previously allocated or permitted for withdrawal.
  10. Pursuant to Section 37-90-107(7)(c)(III), C.R.S., an approved determination of water right shall be considered a final determination of the amount of ground water so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
  11. The ability of wells permitted to withdraw the authorized amount of water from this non-renewable aquifer may be less than the one hundred years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.
  12. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of ground water from the aquifer underlying the land claimed by the applicant will not, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the ground water is nontributary ground water as defined in Rule 4.2.19 of the Designated Basin Rules. No more than 98% of the amount of ground water withdrawn annually shall be consumed, as required by the Designated Basin Rules.
  13. In accordance with Section 37-90-107(7), C.R.S., upon Commission approval of a determination of water right, well permits for wells to withdraw the authorized amount of water from the aquifer shall be available upon application, subject to the conditions of this determination and the Designated Basin Rules and subject to approval by the Commission.
  14. The Commission Staff has evaluated the application relying on the claims to control of the ground water in the aquifer made by the applicant.



15. In accordance with Sections 37-90-107(7) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on May 8 and May 15, 2008.
16. No objections to the determination of water right and proposed allocation of ground water were received within the time limit set by statute.
17. In order to prevent unreasonable impairment to the existing water rights of others within the Kiowa-Bijou Designated Ground Water Basin it is necessary to impose conditions on the determination of water right and proposed allocation of ground water. Under conditions as stated in the following Order, no unreasonable impairment of existing water rights will occur from approval of this determination of water right or from the issuance of well permits for wells to withdraw the authorized amount of allocated ground water from the aquifer.

### ORDER

In accordance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for determination of rights to designated ground water in the Laramie-Fox Hills Aquifer underlying 900.52 acres of land, generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, is approved subject to the following conditions:

18. The allowed average annual amount of withdrawal of ground water from the aquifer shall not exceed 263 acre-feet. The allowed maximum annual amount of withdrawal may exceed the allowed average annual amount of withdrawal as long as the total volume of water withdrawn does not exceed the product of the number of years since the date of approval of this determination times the allowed average annual amount of withdrawal.
19. To conform to actual aquifer characteristics, the Commission may adjust the allowed average annual amount of ground water to be withdrawn from the aquifer based on analysis of geophysical logs or other site-specific data if such analysis indicates that the initial estimate of the volume of water in the aquifer was incorrect.
20. The applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
21. No more than 98% of the ground water withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the water withdrawn is being consumed.
22. The use of ground water from this allocation shall be limited to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes. The place of use shall be limited to the above described 900.52 acre land area.



23. The applicant, or subsequent persons controlling this water right, shall record in the public records of the county - in which the claimed overlying land is located - notice of transfer of any portion of this water right to another within sixty days after the transfer, so that a title examination of the above described 900.52 acre land area, or any part thereof, shall reveal the changes affecting this water right. Such notice shall consist of a signed and dated deed which indicates the determination number, the aquifer, a description of the above described land area, the annual amount of ground water (acre-feet) transferred, name of the recipient, and the date of transfer.
24. Subject to the above conditions, well permits for wells to withdraw the allocated annual amount of water from the aquifer shall be available upon application subject to approval by the Commission and the following conditions:
  - a. The wells shall be located on the above described 900.52 acre overlying land area.
  - b. The wells must be constructed to withdraw water from only the Laramie-Fox Hills Aquifer. Upon application for a well permit to construct such a well, the estimated top and base of the aquifer at the proposed well location will be determined by the Commission and indicated on the approved well permit. Plain non-perforated casing must be installed, grouted and sealed to prevent diversion of ground water from other aquifers and the movement of ground water between aquifers.
  - c. The entire depth of each well must be geophysically logged prior to installing the casing as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
  - d. Each well shall be constructed within 200 feet of the location specified on the approved well permit, but must be more than 600 feet from any existing large-capacity well completed in the same aquifer.
  - e. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and maintained by the well owner and submitted to the Commission upon their request.
  - f. The well owner shall mark the well in a conspicuous place with the permit number and the name of the aquifer. The well owner shall take necessary means and precautions to preserve these markings.
25. A copy of this Findings and Order shall be recorded by the applicant in the public records of the county in which the claimed overlying land is located so that a title examination of the above described 900.52 acre overlying land area, or any part thereof, shall reveal the existence of this determination.



Applicant: George F. McCune and Evelyn McCune  
Aquifer: Laramie-Fox Hills  
Determination No.: 1689-BD

Page 5

Dated this 25<sup>th</sup> day of June, 2008.



Dick Wolfe, P.E.  
Executive Director  
Colorado Ground Water Commission

By: 

Keith Vander Horst, P.E.  
Water Resource Engineer

Prepared by: JPM



92GWS 1  
03/2005

EXHIBIT A

1689-BD

Page 1 of 2

STATE OF COLORADO  
OFFICE OF THE STATE ENGINEER  
DIVISION OF WATER RESOURCES  
1313 Sherman St. Room 821  
Denver, CO 80203  
(303) 866-3581 Fax (303) 866-3589

RECEIVED

APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

**NONTRIBUTARY GROUND WATER LANDOWNERSHIP STATEMENT**

I (We) George F. McCune and Evelyn McCune

(Name(s))

claim and say that I (we) am (are) the owner(s) of the following described property consisting of  
900.52 acres in the County of El Paso  
State of Colorado:

(Insert the property legal description)

**SW/4SW/4 Section 18 and W/2 of the W/2 Section 19, T11S, R64W, and S/2SE/4 Section 13  
and All of Section 24, T11S R65W, 6<sup>th</sup> PM, El Paso County, 900.52 acres**

**See attached Quitclaim Deed dated November 29, 1976, and map.**

and, that the ground water sought to be withdrawn from the Laramie-Fox Hills  
aquifer underlying the above-described land has not been conveyed or reserved to another, nor has  
consent been given to its withdrawal by another.

Further, I (we) claim and say that I (we) have read the statements made herein; know the contents  
hereof; and that the same are true to my (our) knowledge.

Signature

George F. McCune

Date

Signature

Evelyn M. McCune

Date

.....  
**INSTRUCTIONS:**

Please type or print neatly in black or blue ink. This form may be reproduced by photocopy or word  
processing means. See additional information on the reverse side.



County of El Paso, State of Colorado

RECEIVED AT 9:20 O'Clock A.M. NOV 29 1976

RECEIPT NO. 280437

HARVEY DEALEY

BOOK 2877 PAGE 197

RECEIVED

APR 17 2008

WATER RESOURCES  
STATE ENGINEER  
COLO.

## QUITCLAIM DEED

RAY C. McCUNE and GRETA C. McCUNE, as husband and wife, of the County of El Paso and State of Colorado, for the consideration of One Dollar (\$1.00) and other good and valuable consideration, in hand paid, hereby sell and quit claim to GEORGE F. McCUNE and EVELYN M. McCUNE, husband and wife, in joint tenancy, of the County of Elbert and State of Colorado, a one-half interest in and to all minerals underlying the following described property, including oil and gas, said property lying and being in the County of El Paso and State of Colorado, to wit:

The Southwest quarter of the Southwest quarter of Section Eighteen, Township Eleven, Range Sbdy-four; the West half of the West half of Section Nineteen, Township Eleven, Range Sbdy-four; the South half of the Southeast Quarter of Section Thirteen, Township Eleven, Range Sbdy-five; All of Section Twenty-four, Township Eleven, Range Sbdy-five, containing in all Nine hundred and fifty-two hundredths (900.52) acres, more or less, according to Government Survey,

with all its appurtenances.

No  
ConsiderationDATED and signed this 22 day of Nov., 1976.

STATE DOCUMENTARY

NOV 29 1976

FEE \$ None

Ray C. McCune  
Ray C. McCune

Greta C. McCune  
Greta C. McCune

STATE OF COLORADO )  
COUNTY OF EL PASO ) ss.

The foregoing instrument was acknowledged before me this 22 day of Nov., 1976, by Ray C. McCune and Greta C. McCune.

Stephanie Young  
Notary Public

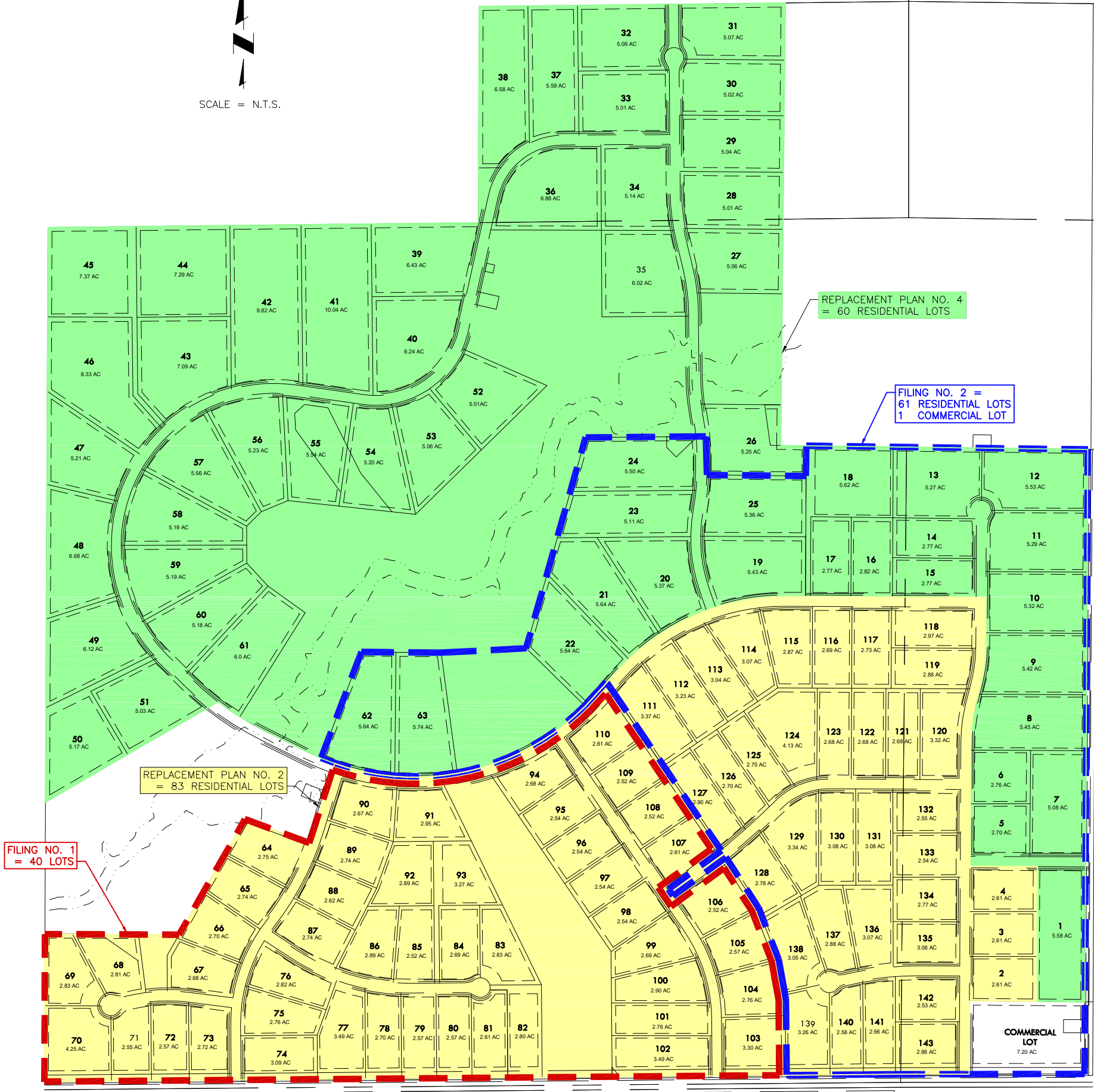
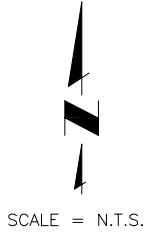
My commission expires: 6/20/78



# *Appendix D*



J:\JDS-Hydro\Project Files\255 ProTerra Properties\255.02 McCune Ranch Water And Wastewater Report\255.02\_Replacement\_Plan.dwg 2021/09/15 11:21 AM By: Andrew Hood



REPLACEMENT PLAN SUMMARY	
REPLACEMENT PLAN NO. 2	83 RESIDENTIAL LOTS
FILING NO. 1	47 RESIDENTIAL LOTS
REMAINING REPLACEMENT PLAN NO. 1	36 RESIDENTIAL LOTS
REPLACEMENT PLAN NO. 4	63 RESIDENTIAL LOTS
REMAINING REPLACEMENT PLAN LOTS	99 RESIDENTIAL LOTS
FILING NO. 2	61 RESIDENTIAL LOTS
REMAINING REPLACEMENT PLAN NO. 4	38 RESIDENTIAL LOTS

JDS-HYDRO CONSULTANTS, INC.  
5540 TECH CENTER DR., SUITE 100  
COLORADO SPRINGS, COLORADO 80919  
(719) 227-0072

DESIGNER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO CONSULTANTS, INC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

WINSOME FILING NO. 2

REPLACEMENT PLAN

EXHIBIT

Project No.: 255.02  
Date: 02/16/21  
Design: DES  
Drawn: ACH  
Check: DES  
Revised: 09/15/21 ACH  
Revised:

1  
SHEET 1 OF 1



**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR REPLACEMENT PLAN TO ALLOW THE WITHDRAWAL OF GROUNDWATER FROM THE DAWSON AQUIFER IN THE KIOWA-BIJOU DESIGNATED GROUND WATER BASIN.

---

REPLACEMENT PLAN NO. 2 - DETERMINATION OF WATER RIGHT NO. 1692-BD

AQUIFER: DAWSON

APPLICANT: MCCUNE RANCH, LLC

---

In compliance with Section 37-90-107.5, C.R.S. and the Designated Basin Rules, 2 CCR 410-1 ("Rules" or "Rule"), McCune Ranch, LLC ("Applicant") submitted an application to replace the previously approved McCune Ranch, LLC replacement plan that allowed the withdrawal of ground water from the Dawson Aquifer that has been allocated by Determination of Water Right No. 1692-BD.

**FINDINGS**

1. Pursuant to Section 37-90-107.5, C.R.S., in a Findings and Order dated June 29, 2018, the Ground Water Commission ("Commission") approved a Replacement Plan that allowed the withdrawal of 42 acre-feet per year of Dawson Aquifer groundwater allocated by Determination of Water Right No. 1692-BD. This replacement plan application submitted by the Applicant seeks to replace in its entirety the previously approved replacement plan.
2. Pursuant to Section 37-90-107(7), C.R.S., in a Findings and Order dated June 25, 2008, the Commission approved a Determination of a Right to an Allocation of Ground Water, No. 1692-BD, from the Dawson Aquifer ("Aquifer"), summarized as follows.
  - a. The determination quantified an amount of water from beneath 900.52 acres of overlying land generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, in El Paso County.
  - b. The allowed average annual amount of withdrawal shall not exceed 819 acre-feet, which based on an aquifer life of one hundred years results in an amount of water allocated of 81,900 acre-feet (subject to adjustment by the Commission to conform to actual local aquifer characteristics).
  - c. The use of ground water is limited to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes.
  - d. In accordance with Rule 5.3.6 the withdrawal of the subject ground water will, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal, the ground water is considered to be not-nontributary, and Commission approval of a replacement plan providing for actual depletion of affected alluvial aquifers and adequate to prevent any material injury to existing water rights in such alluvial aquifers is required prior to approval of well permits for wells to withdraw the subject ground water.
3. The subject water is Designated Ground water located within the boundaries of the Kiowa-



Bijou Designated Ground Water Basin. The Commission has jurisdiction over the withdrawal of the water by large capacity wells that are permitted pursuant to section 37-90-107(7), C.R.S.

4. Withdrawal of the subject ground water would deplete the alluvial aquifer of the Kiowa-Bijou Designated Ground Water Basin, the alluvial aquifer of the Upper Big Sandy Designated Ground Water Basin and the alluvial aquifer of the Upper Black Squirrel Creek Designated Ground Water Basin, all of which, according to Rules 5.2.4.2, 5.2.7.2 and 5.2.6.2, respectively, have been determined to be over appropriated. Such depletion would unreasonably impair existing large capacity alluvial rights withdrawing water from those alluvial aquifers.
5. Pursuant to Rule 5.6.1 this plan must be adequate to prevent any material injury to water rights of other appropriators, which for purposes of this plan means large capacity wells withdrawing water from the alluvial aquifer of the Kiowa-Bijou Designated Ground Water Basin, the alluvial aquifer of the Upper Big Sandy Designated Ground Water Basin and the alluvial aquifer of the Upper Black Squirrel Creek Designated Ground Water Basin.
6. Pursuant to Rule 5.3.6.2(C) the amount of replacement water shall provide for the depletion of alluvial water for the first 100 years due to all previous pumping and if pumping continues beyond 100 years, shall replace actual impact until pumping ceases.
7. The application for the replacement plan was received by the Commission on December 6, 2018. The application is subject to the Designated Basin Rules as re-amended on May 15, 2018.
8. The Applicant proposes to divert 49.8 acre-feet annually from the Dawson Aquifer for a period of 300 years. The Dawson aquifer water will be withdrawn through 83 wells to be located on 83 residential lots. The residential lots will be within 278.1 acres generally described as a portion of the W1/2 of Section 19, Township 11 South, Range 64 West and a portion of Section 24, Township 11 South, Range 65 West, 6<sup>th</sup> P.M., and more specifically described on attached Exhibit B. As shown on attached Exhibit B, 70 lots are located mostly in Section 24 and 13 lots are located mostly in Section 19. Each Dawson Aquifer well is proposed to divert 0.6 acre-feet of water annually for use in 1 single family residence; irrigation of landscape, lawn and gardens; and watering of domestic animals and stock.
9. At a continuous withdrawal of 49.8 acre-feet annually for 300 years, depletions to the alluvial aquifer systems of the Kiowa-Bijou Designated Ground Water Basin, Upper Big Sandy Designated Ground Water Basin and Upper Black Squirrel Creek Designated Ground Water Basin would steadily increase to 1.87 acre-feet per year in the 300th year, which is equal to 3.75% of pumping, as shown in Exhibit A.
10. The Applicant proposes to provide 22.41 acre-feet per year of replacement water to the alluvial aquifer system of the Kiowa-Bijou Designated Ground Water Basin. The proposed source of replacement water is septic and leaching field return flows from the in-house use of the ground water to be pumped under the plan. The Applicant estimates that return flows from each lot will consist of 90% of the water used for in-house purposes. Assuming each lot uses a total annual amount for in-house use of 0.30 acre-feet, the return flow per lot would be 0.27 acre-feet annually, and the return flows under the plan will total 22.41 acre-feet per year for all 83 lots at full build out.



11. The subject property is located within the drainage of Kiowa Creek, and the return flows will flow to the alluvial aquifer of the Kiowa-Bijou Designated Ground Water Basin. The Applicant proposes to aggregate all replacements to the drainage in which the well or wells will operate, in accordance with Guideline 2007-1.
12. Pursuant to Rule 5.6.1.D this plan may not cause unreasonable impairment of water quality. So long as the septic and leaching treatment systems for the in-house use of the water are constructed and operated in compliance with state and county health department standards the plan would not cause unreasonable impairment of water quality of the alluvial aquifer.
13. Records in this office indicate that the Applicant controls the water right to be used as the source of replacement water, consisting of Determination of Water Right No. 1692-BD, and such water is legally available for use pursuant to this plan.
14. In accordance with Sections 37-90-107.5 and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on December 19, 2019 and December 26, 2019. No objections to the application were received within the time limit set by statute.
15. According to Rule 5.6.2:
  - a. The Applicant has the burden of proving the adequacy of the plan in all respects.
  - b. The Commission Staff shall propose any additional terms and conditions or limitations which are necessary to prevent material injury and to ensure that the plan is administrable and enforceable.
16. The Commission Staff has evaluated the application pursuant to Section 37-90-107.5, C.R.S., and the requirements of Rule 5.3.6.2(C) and Rule 5.6, finds that the requirements have been met, no material injury will occur to water rights of other appropriators, and the plan may be approved to allow diversions from the Dawson Aquifer if operated subject to the conditions given below.

### ORDER

In accordance with Section 37-90-107.5, C.R.S., and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for a replacement plan to allow the withdrawal of ground water from the Dawson Aquifer underlying 900.52 acres that are the subject of Determination of Water Right no. 1692-BD is approved subject to the following conditions:

17. Approval of this replacement plan hereby cancels the McCune Ranch, LLC replacement plan approved by the Commission in a Findings and Order dated June 29, 2018.
18. The Dawson aquifer water will be withdrawn through 83 wells to be located on 83 residential lots. The residential lots will be within 278.1 acres generally described as a portion of the W1/2 of Section 19, Township 11 South, Range 64 West and a portion of Section 24, Township 11 South, Range 65 West, 6<sup>th</sup> P.M., and more specifically described on attached Exhibit B. Each Dawson Aquifer well may divert 0.6 acre-feet of water annually for use in 1 single family residence; irrigation of landscape, irrigation of lawn and gardens; and watering of domestic animals and stock.
19. The allowed annual amount of ground water to be withdrawn from the aquifer by all wells



operating under this plan shall not exceed 49.8 acre-feet. The allowed annual amount of water to be withdrawn from each on-lot well shall not exceed 0.6 acre-feet.

20. A totalizing flow meter shall be installed on each well. The well owner shall maintain the meter in good working order.
21. Permanent records of all withdrawals of ground water from each well shall be recorded at least annually by the well owners, permanently maintained, and provided to the Commission.
22. Pumping under this plan is limited to a period of 300 years. The year of first use of this replacement plan shall be the calendar year of construction of a well permitted pursuant to this plan or permitting of an existing well pursuant to the plan.
23. Return flows from in-house use of ground water shall occur through individual on-lot non-evaporative septic systems located within the 278.1 acres of land on which the 83 wells will be located, as described in paragraph 19 above and shown on attached Exhibit B. The septic systems must be constructed and operated in compliance with a permit issued by a local health agency.
24. Replacement of depletions must be provided annually in the acre-feet amounts shown in Exhibit A. Annual replacement requirements may be computed by pro-rating between the values given on Exhibit A, or for simplicity may be taken as the amount shown in the next succeeding 5 year increment.
25. The Applicant or their successor(s) are responsible for ensuring that replacement water is provided to the alluvial aquifer as required by this plan. The annual replacement requirement and the annual amount of replacement water provided shall be calculated and reported on a form acceptable to the Commission. The annual amount of replacement water provided must be no less than the annual replacement requirement on a yearly basis. No credit shall be claimed by the Applicant for an oversupply of replacement water provided to the alluvium during previous years.
26. The Applicant must provide the required annual amount of replacement water for the first 100 years, or for as long as a well is operated pursuant to this plan, whichever is longer.
27. To assure adequate return flows, the number of wells serving an occupied single-family dwelling that is generating return flows via a non-evaporative septic system must be equal to or greater than the number of wells shown in Table 1 below, or an amended or alternate replacement plan must be obtained that will replace actual depletions to the alluvial aquifer so as to prevent any material injury to water rights of other appropriators.

Table 1		
Year	No. of Wells	Return Flow (af/yr)
1-70	1	0.27
71-110	2	0.54
111-150	3	0.81
151-185	4	1.08
186-225	5	1.35
226-260	6	1.62
261-300	7	1.89



28. The Applicant (and their successors) must gather and maintain permanent records of all information pertaining to operation of this plan, which shall include, but is not be limited to, those items identified below. The Applicant must submit records to the Commission on forms acceptable to the Commission, on an annual basis for the previous calendar year, by February 15<sup>th</sup> of the following year.
- Identification of all well permits issued and wells constructed under this plan.
  - The amount of water diverted by each well and all wells in total, both annually and cumulatively since operation of the plan began.
  - The number of occupied dwellings served by each well.
  - The number of square feet irrigated by each well.
  - The number of large domestic animals served by each well.
  - The return flows occurring from use of all wells operating under the plan, assuming 0.27 acre-feet per year per occupied single family dwelling (90% of the water used for in-house purposes) enters the alluvial aquifer as replacement water.
  - Any other information the Commission deems relevant and necessary to operation, monitoring, accounting, or administration of the plan.
29. The Applicant (and their successors) are fully responsible for the operation, monitoring, and accounting of the replacement plan. In the event a lot with a well permitted or operating pursuant to this plan is sold, identification of the well that was sold and evidence that the new owner has been notified of their responsibilities under the replacement plan shall accompany that year's accounting.
30. Any covenants adopted for this subdivision should contain a description of the replacement plan, including the limitations on diversions and use of water for each well and lot, the requirement to meter and record all well pumping, and information on how records are to be reported and the plan is to be administered.
31. In the event the permitted well or wells are not operated in accordance with the conditions of this replacement plan, they shall be subject to administration, including orders to cease diverting ground water.
32. All terms and conditions of Determination of Water Right No. 1692-BD must be meet.
33. A copy of this Findings and Order shall be recorded by the Applicant in the clerk and recorder's records of El Paso County, so that a title examination of the land on which the structures involved in this plan are located reveals the existence of this plan.

Dated this 3rd day of February, 2020.



Kevin G. Rein, P.E.  
Executive Director  
Colorado Ground Water Commission

By: 

Keith Vander Horst, P.E.  
Chief of Water Supply, Basins



Exhibit A  
Replacement Plan - Determination No.: 1692-BD  
Page 1 of 1

Designated Basin Summary Table for McCune Ranch, LLC Pumping Rate of 49.8 acre-feet per year for 300 Years from the Dawson aquifer Section(s): Sec. 24, T11S, R65W and Sec. 19, T11S, R64W							
Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
5	49.8	0.00	0.00	155	49.8	0.85	1.70
10	49.8	0.00	0.01	160	49.8	0.88	1.78
15	49.8	0.01	0.02	165	49.8	0.92	1.85
20	49.8	0.02	0.04	170	49.8	0.96	1.92
25	49.8	0.03	0.06	175	49.8	0.99	1.99
30	49.8	0.05	0.10	180	49.8	1.03	2.07
35	49.8	0.07	0.13	185	49.8	1.07	2.14
40	49.8	0.09	0.18	190	49.8	1.10	2.21
45	49.8	0.11	0.22	195	49.8	1.14	2.28
50	49.8	0.14	0.27	200	49.8	1.17	2.36
55	49.8	0.16	0.33	205	49.8	1.21	2.43
60	49.8	0.19	0.38	210	49.8	1.25	2.50
65	49.8	0.22	0.44	215	49.8	1.28	2.57
70	49.8	0.25	0.51	220	49.8	1.32	2.64
75	49.8	0.28	0.57	225	49.8	1.35	2.72
80	49.8	0.32	0.64	230	49.8	1.39	2.79
85	49.8	0.35	0.70	235	49.8	1.42	2.86
90	49.8	0.38	0.77	240	49.8	1.46	2.93
95	49.8	0.42	0.84	245	49.8	1.49	3.00
100	49.8	0.45	0.91	250	49.8	1.53	3.07
105	49.8	0.49	0.98	255	49.8	1.56	3.14
110	49.8	0.52	1.05	260	49.8	1.60	3.21
115	49.8	0.56	1.12	265	49.8	1.63	3.28
120	49.8	0.59	1.19	270	49.8	1.67	3.34
125	49.8	0.63	1.27	275	49.8	1.70	3.41
130	49.8	0.67	1.34	280	49.8	1.73	3.48
135	49.8	0.70	1.41	285	49.8	1.77	3.55
140	49.8	0.74	1.48	290	49.8	1.80	3.62
145	49.8	0.78	1.56	295	49.8	1.84	3.69
150	49.8	0.81	1.63	300	49.8	1.87	3.75

Created by jmw on December 13, 2019

Values for 'Depletion as a % of Pumping' (q/Q) are not calculated when the pumping rate (Q) is changed to anything but zero





Received by email dated 12/11/19

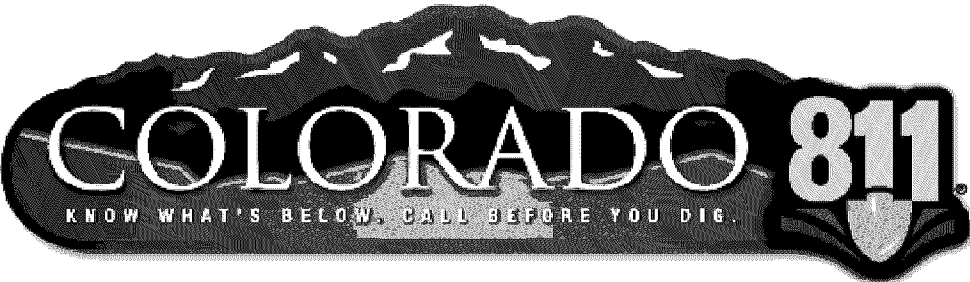
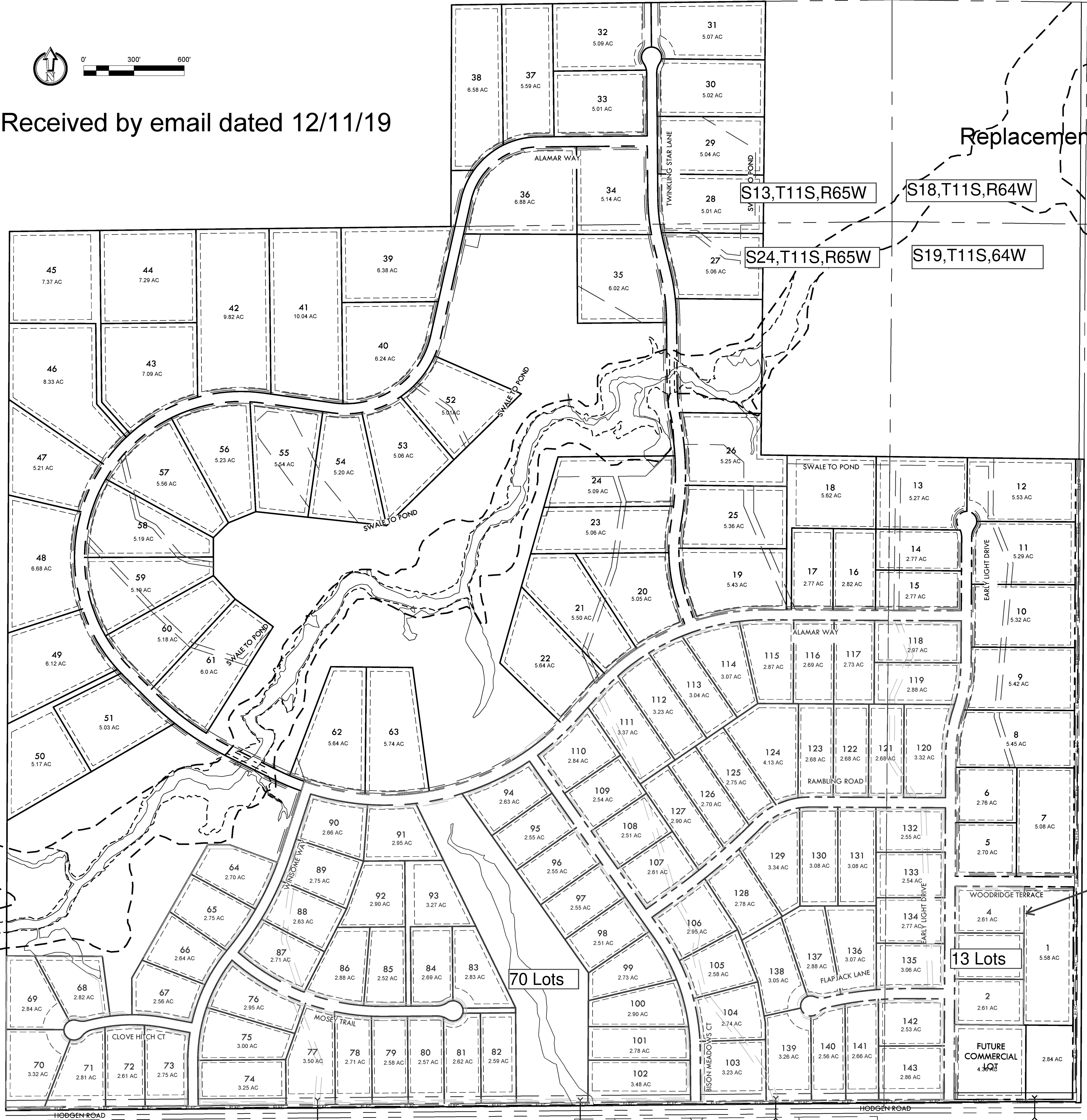


Exhibit B  
Replacement Plan - Determination No.: 1692-BD  
Page 1 of 1

Demand Summary

S24,T11S,R65W = 70 Lots @ 0.600  
AF/Lot/Year = 42.00 AF/year

S19,T11S,R64W = 13 Lots @ 0.600  
AF/Lot/Year = 7.800 AF/year



PROPOSED AREA: 278.1 AC - 83 LOTS

Proposed Phase 1- 83 lot development



2420 W. 26th Avenue, Suite 100-D | Denver, CO 80211  
Main: 303.623.9116 | VERTEXENG.COM

SITE PLAN EXHIBIT

SITE:

FOR: PROTERRA PROPERTIES, LLC  
1864 WOODMORE DR, SUITE 100  
MONUMENT, COLORADO 80132

NO.	REVISIONS
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

DATE: 10/1/2018  
DRAWN BY: JCP  
CHECKED BY: JWD  
JOB #: 49388





Received by email dated 12/13/2019

EDWARD-JAMES SURVEYING, INC.

December 11, 2019  
Job 1858.00  
Page 1 of 3

**EXHIBIT A**

**LEGAL DESCRIPTION:** REPLACEMENT PLAN

A TRACT OF LAND BEING A PORTION OF SECTION 24, RANGE 11 SOUTH, RANGE 65 WEST AND A PORTION OF THE SOUTHWEST QUARTER OF SECTION 19, TOWNSHIP 11 SOUTH, RANGE 64 WEST OF THE 6<sup>TH</sup> PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BASIS OF BEARINGS:** THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE 6<sup>TH</sup> PRINCIPAL MERIDIAN BEING MONUMENTED ON THE SOUTHERLY END BY A 2-1/2" ALUMINUM CAP STAMPED "LS 28658" AND AT THE NORTHERLY END BY A 3-1/2" ALUMINUM CAP STAMPED "LS 12103" BEING ASSUMED TO BEAR N00°14'25"E A DISTANCE OF 2636.99 FEET AS SHOWN IN LAND SURVEY PLAT RECORDED UNDER RECEPTION 218900072 RECORDS OF EL PASO COUNTY, COLORADO.

COMMENCING AT THE WEST QUARTER CORNER OF SAID SECTION 24, SAID POINT BEING THE POINT OF BEGINNING; THENCE S00°14'17"W, A DISTANCE OF 1,684.27 FEET TO THE POINT OF BEGINNING; THENCE S89°41'23"E, A DISTANCE OF 820.25 FEET; THENCE N29°41'56"E, A DISTANCE OF 768.98 FEET; THENCE S89°45'39"E, A DISTANCE OF 128.26 FEET; THENCE S69°47'19"E, A DISTANCE OF 306.30 FEET TO A POINT ON CURVE; THENCE ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N69°47'19"W, HAVING A DELTA OF 2°06'42", A RADIUS OF 1,790.00 FEET, A DISTANCE OF 65.97 FEET TO A POINT OF TANGENT; THENCE N18°06'10"E, A DISTANCE OF 383.72 FEET; THENCE N19°13'35"E, A DISTANCE OF 60.00 FEET TO A POINT ON CURVE; THENCE ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N19°13'35"E, HAVING A DELTA OF 50°01'50", A RADIUS OF 1,470.00 FEET, A DISTANCE OF 1,283.60 FEET TO A POINT ON CURVE; THENCE N30°48'16"W, A DISTANCE OF 58.07 FEET; THENCE N54°25'41"E, A DISTANCE OF 240.00 FEET; THENCE S40°33'13"E, A DISTANCE OF 57.62 FEET TO A POINT ON CURVE; THENCE ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N40°33'13"W, HAVING A DELTA OF 7°37'13", A RADIUS OF 1,470.00 FEET A DISTANCE OF 195.51 FEET TO A POINT OF TANGENT; THENCE N41°49'33"E, A DISTANCE OF 207.94 FEET TO A POINT OF CURVE; THENCE ON THE ARC OF A CURVE TO THE RIGHT HAVING A DELTA OF 48°27'33", A RADIUS OF 1,384.00 FEET, A DISTANCE OF 1,170.55 FEET TO A POINT OF TANGENT; THENCE S89°42'54"E, A DISTANCE OF 1,221.71 FEET; THENCE S00°17'06"W, A DISTANCE OF 306.26 FEET TO A POINT OF CURVE; THENCE ON THE ARC OF CURVE OT THE RIGHT HAVING A DELTA OF 18°02'49", A RADIUS OF 930.00 FEET, A DISTANCE OF 292.93 FEET TO A POINT OF REVERSE CURVE; THENCE ON THE ARC OF A CURVE TO THE LEFT HAVING A DELTA OF 18°02'49", A RADIUS OF 870.00 FEET, A DISTANCE OF 274.03 FEET TO A POINT OF TANGENT; THENCE S00°17'06"W, A DISTANCE OF 780.00 FEET; THENCE S89°42'54"E, A DISTANCE OF 411.84 FEET; THENCE S00°17'06"W, A DISTANCE OF 825.56 FEET; THENCE N89°31'37"W, A DISTANCE OF 411.84 FEET; THENCE S00°17'06"W, A DISTANCE OF 447.57 FEET TO A POINT 50.00 FEET NORTH OF THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 19, TOWNSHIP 11 SOUTH, RANGE 64 WEST OF THE 6<sup>TH</sup> PRINCIPAL MERIDIAN; THENCE S89°55'06"W ON A LINE 50.00 NORTH OF AND PARALLEL TO SOUTH LINE OF THE SAID SOUTHWEST QUARTER OF SAID SECTION 19, A DISTANCE OF 418.09 FEET TO A POINT THE EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 24, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE 6<sup>TH</sup> PRINCIPAL MERIDIAN; THENCE



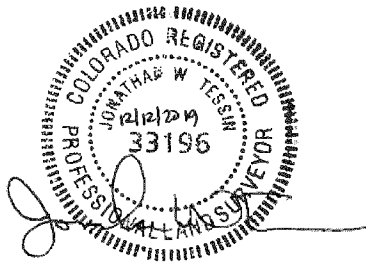
Received by email dated 12/13/2019

S89°30'15"W ON A LINE 50.00 FEET NORTH OF AN PARALLEL WITH THE SOUTH LINE OF SAID SECTION 24, A DISTANCE OF 5,238.40 FEET TO A POINT ON THE WEST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 24; THENCE N00°14'17"E ON THE WEST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 24, A DISTANCE OF 902.65 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 12,114,313 SQUARE FEET OR 278.106 ACRES.

**LEGAL DESCRIPTION STATEMENT**

I, JONATHAN W. TESSIN, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE THAT THE ABOVE LEGAL DESCRIPTION WAS PREPARED UNDER MY RESPONSIBLE CHARGE AND ON THE BASIS OF MY KNOWLEDGE, INFORMATION, AND BELIEF IS CORRECT.



---

JONATHAN W. TESSIN, PROFESSIONAL LAND SURVEYOR  
COLORADO PLS NO. 33196  
FOR AND ON BEHALF OF EDWARD-JAMES SURVEYING, INC.

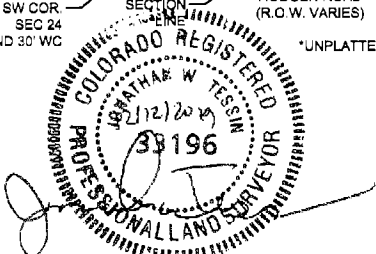
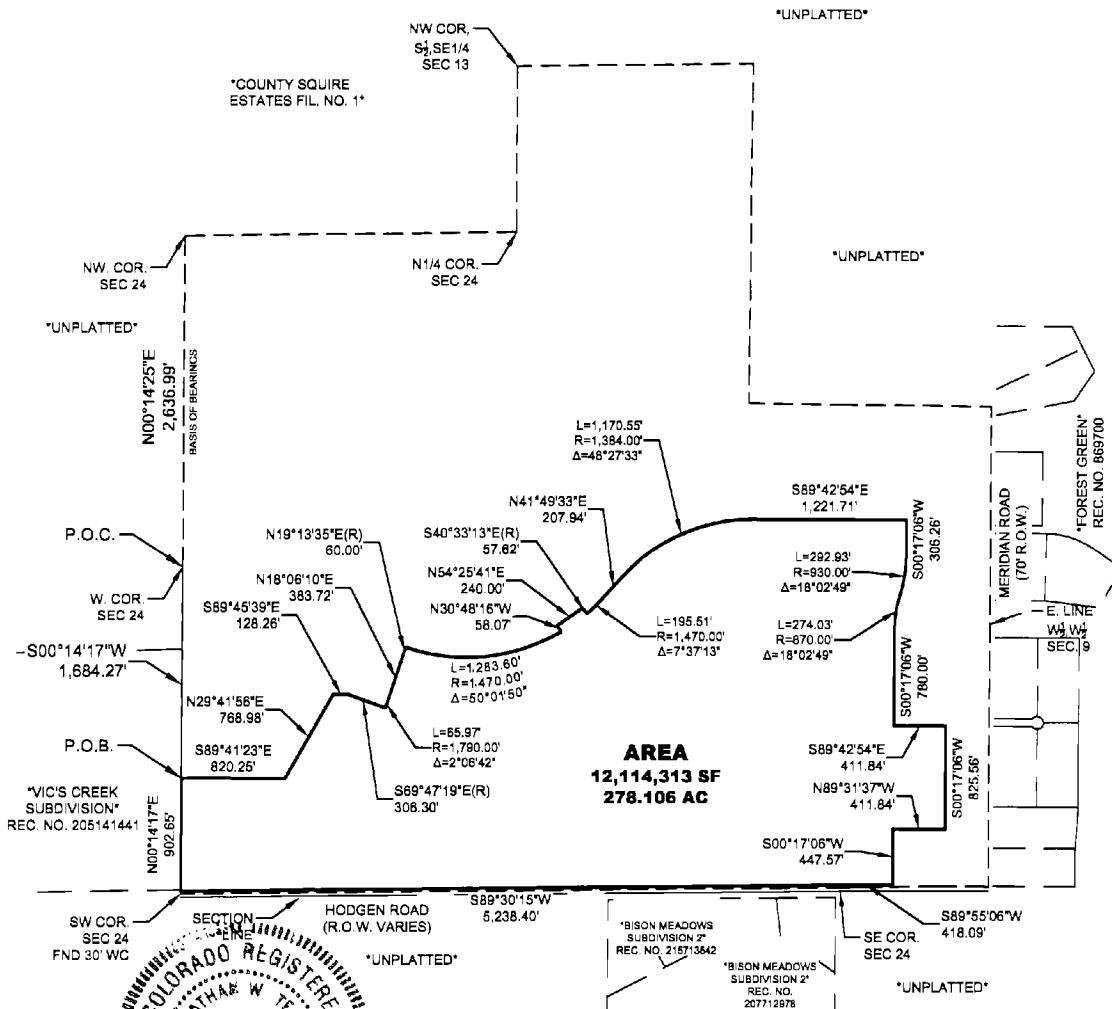


# EXHIBIT B REPLACEMENT PLAN



## LEGEND:

- P.O.B. POINT OF BEGINNING
- P.O.C. POINT OF COMMENCING
- \* AREA IS NOT PART OF THIS SURVEY



THIS DRAWING DOES NOT REPRESENT A  
MONUMENTED LAND SURVEY AND IS ONLY



**EDWARD-JAMES SURVEYING, INC.**  
926 Elkton Dr. 4732 Eagleridge Circle  
Colorado Springs, CO 80907 Pueblo, CO 81008  
(719) 576-1216 (719) 545-6240  
12-11-2019 JOB NO. 1052-00



**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR REPLACEMENT PLAN TO ALLOW THE WITHDRAWAL OF GROUNDWATER FROM THE DAWSON AQUIFER IN THE KIOWA-BIJOU DESIGNATED GROUNDWATER BASIN.

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REPLACEMENT PLAN NO. 1692-RP, NO. 4

FOR DETERMINATION OF WATER RIGHT NO. 1692-BD

AQUIFER: DAWSON

APPLICANT: WINSOME, LLC

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In compliance with section 37-90-107.5, C.R.S. and the Designated Basin Rules, 2 CCR 410-1 (Rules or Rule), Winsome, LLC (Applicant) submitted an application to replace the previously approved Replacement Plan 1692-RP, No. 3 to allow the withdrawal of groundwater from the Dawson Aquifer that has been allocated by Determination of Water Right No. 1692-BD.

**FINDINGS**

1. Pursuant to section 37-90-107(7), C.R.S., in a Findings and Order dated June 25, 2008, the Ground Water Commission (Commission) approved a Determination of a Right to an Allocation of Groundwater, No. 1692-BD, from the Dawson Aquifer (Aquifer), summarized as follows.
  - a. The determination quantified an amount of water from beneath 900.52 acres of overlying land generally described as the SW1/4 of the SW1/4, Section 18, the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM and the S1/2 of the SE1/4, Section 13 and all of Section 24, Township 11 South, Range 65 West of the 6th Principal Meridian, in El Paso County, (Overlying Land).
  - b. The allowed average annual amount of withdrawal shall not exceed 819 acre-feet, which based on an aquifer life of one hundred years results in an amount of water allocated of 81,900 acre-feet (subject to adjustment by the Commission to conform to actual local aquifer characteristics).
  - c. The use of groundwater is limited to the following beneficial uses: domestic, industrial, commercial, irrigation, augmentation, stock watering, recreational water feature ponds and piscatorial habitat less than 1000 square feet and wildlife, replacement and all other augmentation purposes.
  - d. Withdrawal of the subject groundwater will, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal, the groundwater is considered to be not-nontributary, and Commission approval of a replacement plan providing for actual depletion of affected alluvial aquifers and adequate to prevent any material injury to existing water rights in such alluvial aquifers is required prior to approval of well permits for wells to withdraw the subject groundwater.
2. Pursuant to Section 37-90-107.5, C.R.S., in a Findings and Order dated June 29, 2018, the Commission approved a Replacement Plan to allow the withdrawal of groundwater from the Dawson Aquifer that has been allocated by Determination of Water Right No. 1692-BD. The replacement plan allowed for the withdrawal of 42 acre-feet annually through 70 wells to be located on 70 residential lots within the 900.52 acres of Overlying Land described above.
3. Pursuant to Section 37-90-107.5, C.R.S., in a Findings and Order dated February 3, 2020, the



Commission approved a Replacement Plan to allow the withdrawal of groundwater from the Dawson Aquifer that has been allocated by Determination of Water Right No. 1692-BD. The replacement plan allows for the withdrawal of 49.8 acre-feet annually through 83 wells to be located on 83 residential lots. The residential lots will be within 278.1 acres of the Overlying Land generally described as a portion of the W 1/2 of Section 19, Township 11 South, Range 64 West and a portion of Section 24, Township 11 South, Range 65 West, 6th P.M., and more specifically described on Exhibit B of the Findings and Order dated February 3, 2020. Upon approval of the replacement plan the replacement plan approved by the Commission in the Findings and Order dated June 29, 2018 was cancelled.

4. Pursuant to Section 37-90-107.5, C.R.S., in a Findings and Order dated December 1, 2020, the Ground Water Commission approved Replacement Plan No. 1692-RP, No. 3 to allow the withdrawal of groundwater from the Dawson Aquifer that has been allocated by Determination of Water Right No. 1692-BD. The replacement plan allows for the withdrawal of 36 acre-feet annually for 300 year through 60 well to be located on 60 residential lots. The residential lots will be located within 479.4 acres generally described as a portion of the W1/2 of the NW1/4 and the W1/2 of the SW1/4, Section 19, Township 11 South, Range 64 West of the 6th PM, a portion of the S1/2 of the SE1/4, Section 13 and a portion of Section 24, all in Township 11 South, Range 65 West of the 6th P.M., and more specifically described on Exhibit A of the Findings and Order dated December 1, 2020. This replacement plan application seeks to replace in its entirety the previously approved Replacement Plan No. 1692-RP, No. 3.
5. The subject water is Designated Groundwater located within the boundaries of the Kiowa-Bijou Designated Groundwater Basin. The Commission has jurisdiction over the withdrawal of the water by large capacity wells that are permitted pursuant to section 37-90-107(7).
6. Withdrawal of the subject groundwater would deplete the alluvial aquifer of the Kiowa-Bijou Designated Groundwater Basin, the alluvial aquifer of the Upper Big Sandy Designated Groundwater Basin and the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin, all of which, according to Rules 5.2.4.2, 5.2.7.2 and 5.2.6.2, respectively, have been determined to be over appropriated. Such depletion would unreasonably impair existing large capacity alluvial rights withdrawing water from those alluvial aquifers.
7. Pursuant to Rule 5.6.1.A this plan must be adequate to prevent any material injury to water rights of other appropriators, which for purposes of this plan means large capacity wells withdrawing water from the alluvial aquifer of the Kiowa-Bijou Designated Groundwater Basin, the alluvial aquifer of the Upper Big Sandy Designated Groundwater Basin and the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin.
8. Pursuant to Rule 5.3.6.2(C) the amount of replacement water shall provide for the depletion of alluvial water for the first 100 years due to all previous pumping and if pumping continues beyond 100 years, shall replace actual impact until pumping ceases.
9. The application for the replacement plan was received by the Commission on April 8, 2021.
10. The Applicant proposes to divert 37.8 acre-feet annually from the Dawson Aquifer for a period of 300 years. The Dawson aquifer water will be withdrawn through 63 well to be located on 63 residential lots. The residential lots will be located within 479.4 acres generally described as a portion of the W1/2 of Section 19, Township 11 South, Range 64 West of the 6th PM, a portion of the S1/2 of the SE1/4, Section 13 and a portion of Section



24, all in Township 11 South, Range 65 West of the 6th P.M., more specifically described on attached Exhibit B. As show on attached Exhibit B, 10 lots are mostly located in Section 13, 12 lots mostly located within Section 19 and 41 lots are located mostly in Section 24. Each Dawson Aquifer well is proposed to diver 0.6 acre-feet of water annually for in-house use, landscape/irrigation of lawn and gardens, and the watering of domestic animals and stock.

11. At a continuous withdrawal of 37.8 acre-feet annually for 300 years, depletions to the alluvial aquifer systems of the Kiowa-Bijou Designated Groundwater Basin, Upper Big Sandy Designated Groundwater Basin and Upper Black Squirrel Creek Designated Groundwater Basin would steadily increase to 1.45 acre-feet per year in the 300th year, which is equal to 3.84% of pumping, as shown in Exhibit A.
12. The Applicant proposes to provide 17.01 acre-feet per year of replacement water to the alluvial aquifer system of the Kiowa-Bijou Designated Groundwater Basin. The proposed source of replacement water is septic and leaching field return flows from the in-house use of the groundwater to be pumped under the plan. The Applicant estimates that return flows from each lot will consist of 90% of the water used for in-house purposes. Assuming each lot uses a total annual amount for in-house use of 0.30 acre-feet, the return flow per lot would be 0.27 acre-feet annually, and the return flows under the plan will total 17.01 acre-feet per year for all 63 lots at full build out.
13. The subject property is located within the drainage of Kiowa Creek, and the return flows will flow to the alluvial aquifer of the Kiowa-Bijou Designated Groundwater Basin. The Applicant proposes to aggregate all replacements to the drainage in which the well or wells will operate, in accordance with Guideline 2007-1.
14. Pursuant to Rule 5.6.1.B this plan must be adequate to prevent unreasonable impairment of water quality. Pursuant to Rule 5.6.1.B.1.b, if the replacement source water is from an onsite wastewater treatment system permitted by a local health agency and the applicant demonstrates the source is in compliance with that permit there shall be a rebuttable presumption of no unreasonable impairment of water quality.
15. Pursuant to Rule 5.6.1.C this plan, including the proposed uses of the water withdrawn pursuant to the plan, must not be speculative, and must be technically and financially feasible and within the Applicant's ability to complete. The plan, including the proposed uses of the water withdrawn pursuant to the plan, is not speculative. The plan appears technically and financially feasible and within the Applicant's ability to complete.
16. Pursuant to Rule 5.6.1.D this plan must be able to be operated and administered on an ongoing and reliable basis. The plan appears to be able to be operated and administered on an ongoing and reliable basis.
17. Pursuant to Rule 5.6.1.F replacement source water must be physically and legally available in time, place and amount to prevent material injury. As determined in Determination of Water Right No. 1692-BD water is currently available in the amounts and for the number of years proposed to be diverted.
18. Pursuant to Rule 5.6.1.G the replacement source water must be legally available for use. Records in this office indicate that the Applicant controls the water right to be used as the source of replacement water, consisting of Determination of Water Right No. 1692-BD, and such water is legally available for use pursuant to this plan.



19. In accordance with sections 37-90-107.5 and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on July 15, 2021 and July 22, 2021. No objections to the application were received within the time limit set by statute.
20. According to Rule 5.6.1:
  - a. The Applicant has the burden of proving the adequacy of the plan in all respects.
  - b. If the applicant meets its burden of proof, the Commission shall grant approval of the plan which shall include any terms and conditions established the Commission.
21. The Commission Staff has evaluated the application pursuant to section 37-90-107.5, and the requirements of Rule 5.3.6.2(C) and Rule 5.6, finds that the requirements have been meet, and the plan may be approved to allow diversions from the Dawson Aquifer if operated subject to the conditions given below.

### ORDER

In accordance with section 37-90-107.5, and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for a replacement plan to allow the withdrawal of groundwater from the Dawson Aquifer underlying 900.52 acres that are the subject of Determination of Water Right no. 1692-BD is approved subject to the following conditions:

22. Approval of this replacement plan hereby cancels the Winsome, LLC Replacement Plan No. 1692-RP, No. 3 approved by the Commission in a Findings and Order dated December 1, 2020.
23. The Dawson Aquifer water will be withdrawn through 63 wells to be located on 63 residential lots. The residential lots will be located within 479.4 acres generally described as a portion of the W1/2 of Section 19, Township 11 South, Range 64 West of the 6th PM, a portion of the S1/2 of the SE1/4, Section 13 and a portion of Section 24, all in Township 11 South, Range 65 West of the 6th P.M., more specifically described on attached Exhibit B. Each Dawson Aquifer well may divert 0.6 acre-feet of water annually for in-house use, landscape/irrigation of lawn and gardens, and the watering of domestic animals and stock.
24. The allowed annual amount of groundwater to be withdrawn from the Aquifer by all wells operating under this plan shall not exceed 37.8 acre-feet. The allowed annual amount of water to be withdrawn from each on-lot well shall not exceed 0.6 acre-feet.
25. A totalizing flow meter shall be installed on each well. The well owner shall maintain the meter in good working order.
26. Permanent records of all withdrawals of groundwater from each well shall be recorded at least annually by the well owners, permanently maintained, and provided to the Commission.
27. Pumping under this plan is limited to a period of 300 years. The year of first use of this replacement plan shall be the calendar year of construction of a well permitted pursuant to this plan or permitting of an existing well pursuant to the plan.
28. Return flows from in-house use of groundwater shall occur through individual on-lot non-



evaporative septic systems located within the 479.4 acres described above, which are a portion of the Overlying Land that is the subject of Determination of Water Right No. 1692-BD. The septic systems must be constructed and operated in compliance with a permit issued by a local health agency.

29. Replacement of depletions must be provided annually in the acre-feet amounts shown in Exhibit A. Annual replacement requirements may be computed by pro-rating between the values given on Exhibit A, or for simplicity may be taken as the amount shown in the next succeeding 5 year increment.
30. The Applicant or their successor(s) are responsible for ensuring that replacement water is provided to the alluvial aquifer as required by this plan. The annual replacement requirement and the annual amount of replacement water provided shall be calculated and reported on a form acceptable to the Commission. The annual amount of replacement water provided must be no less than the annual replacement requirement on a yearly basis. No credit shall be claimed by the Applicant for an oversupply of replacement water provided to the alluvium during previous years.
31. The Applicant must provide the required annual amount of replacement water for the first 100 years, or for as long as a well is operated pursuant to this plan, whichever is longer.
32. To assure adequate return flows, the number of wells serving an occupied single-family dwelling that is generating return flows via a non-evaporative septic system must be equal to or greater than the number of wells shown in Table 1 below, or an amended or alternate replacement plan must be obtained that will replace actual depletions to the alluvial aquifer so as to prevent any material injury to water rights of other appropriators.

Table 1		
Year	No. of Wells	Return Flow (af/yr)
1-80	1	0.27
81-130	2	0.54
131-180	3	0.81
181-230	4	1.08
231-280	5	1.35
281-300	6	1.62

33. The Applicant (and their successors) must gather and maintain permanent records of all information pertaining to operation of this plan, which shall include, but is not be limited to, those items identified below. The Applicant must submit records to the Commission on forms acceptable to the Commission, on an annual basis for the previous calendar year, by February 15<sup>th</sup> of the following year.
  - a. Identification of all well permits issued and wells constructed under this plan.
  - b. The amount of water diverted by each well and all wells in total, both annually and cumulatively since operation of the plan began.
  - c. The number of occupied dwellings served by each well.
  - d. The number of square feet irrigated by each well.
  - e. The number of large domestic animals served by each well.
  - f. The return flows occurring from use of all wells operating under the plan, assuming 0.27 acre-feet per year per occupied single family dwelling (90% of the water used for in-house purposes) enters the alluvial aquifer as replacement water.



- g. Any other information the Commission deems relevant and necessary to operation, monitoring, accounting, or administration of the plan.
- 34. The Applicant (and their successors) are fully responsible for the operation, monitoring, and accounting of the replacement plan. In the event a lot with a well permitted or operating pursuant to this plan is sold, identification of the well that was sold and evidence that the new owner has been notified of their responsibilities under the replacement plan shall accompany that year's accounting.
- 35. Any covenants adopted for this subdivision should contain a description of the replacement plan, including the limitations on diversions and use of water for each well and lot, the requirement to meter and record all well pumping, and information on how records are to be reported and the plan is to be administered.
- 36. In the event the permitted well or wells are not operated in accordance with the conditions of this replacement plan, they shall be subject to administration, including orders to cease diverting groundwater.
- 37. All terms and conditions of Determination of Water Right No. 1692-BD must be met.
- 38. Pursuant to Rule 5.6.1.E, a copy of this Findings and Order shall be recorded by the Applicant in the clerk and recorder's records of El Paso County, so that a title examination of the land on which the structures involved in this plan are located reveals the existence of this plan.

Dated this 27th day of August, 2021.



Kevin G. Rein, P.E.  
Executive Director  
Colorado Ground Water Commission

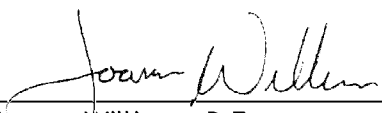
By:   
Joanna Williams, P.E.  
Water Resource Engineer



Exhibit A  
Replacement Plan No. 4 - Determination No.: 1692-BD  
Page 1 of 1

Designated Basin Summary Table for Winsome, LLC							
Pumping Rate of 37.8 acre-feet per year for 300 Years from the Dawson aquifer							
Section(s): Section 13 & 24 , T11S, R65W, 6th P. M. & Section 19, T11S, R64W, 6th P. M.							
Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
5	37.8	0.00	0.00	155	37.8	0.67	1.77
10	37.8	0.00	0.01	160	37.8	0.70	1.84
15	37.8	0.01	0.02	165	37.8	0.72	1.92
20	37.8	0.02	0.04	170	37.8	0.75	1.99
25	37.8	0.03	0.07	175	37.8	0.78	2.07
30	37.8	0.04	0.11	180	37.8	0.81	2.14
35	37.8	0.06	0.15	185	37.8	0.84	2.21
40	37.8	0.07	0.19	190	37.8	0.86	2.29
45	37.8	0.09	0.24	195	37.8	0.89	2.36
50	37.8	0.11	0.30	200	37.8	0.92	2.43
55	37.8	0.13	0.35	205	37.8	0.95	2.51
60	37.8	0.16	0.41	210	37.8	0.97	2.58
65	37.8	0.18	0.48	215	37.8	1.00	2.65
70	37.8	0.20	0.54	220	37.8	1.03	2.72
75	37.8	0.23	0.61	225	37.8	1.06	2.79
80	37.8	0.26	0.68	230	37.8	1.08	2.86
85	37.8	0.28	0.74	235	37.8	1.11	2.94
90	37.8	0.31	0.81	240	37.8	1.14	3.01
95	37.8	0.33	0.89	245	37.8	1.16	3.08
100	37.8	0.36	0.96	250	37.8	1.19	3.15
105	37.8	0.39	1.03	255	37.8	1.22	3.22
110	37.8	0.42	1.10	260	37.8	1.24	3.29
115	37.8	0.44	1.18	265	37.8	1.27	3.36
120	37.8	0.47	1.25	270	37.8	1.30	3.43
125	37.8	0.50	1.32	275	37.8	1.32	3.50
130	37.8	0.53	1.40	280	37.8	1.35	3.57
135	37.8	0.56	1.47	285	37.8	1.37	3.63
140	37.8	0.58	1.55	290	37.8	1.40	3.70
145	37.8	0.61	1.62	295	37.8	1.43	3.77
150	37.8	0.64	1.69	300	37.8	1.45	3.84

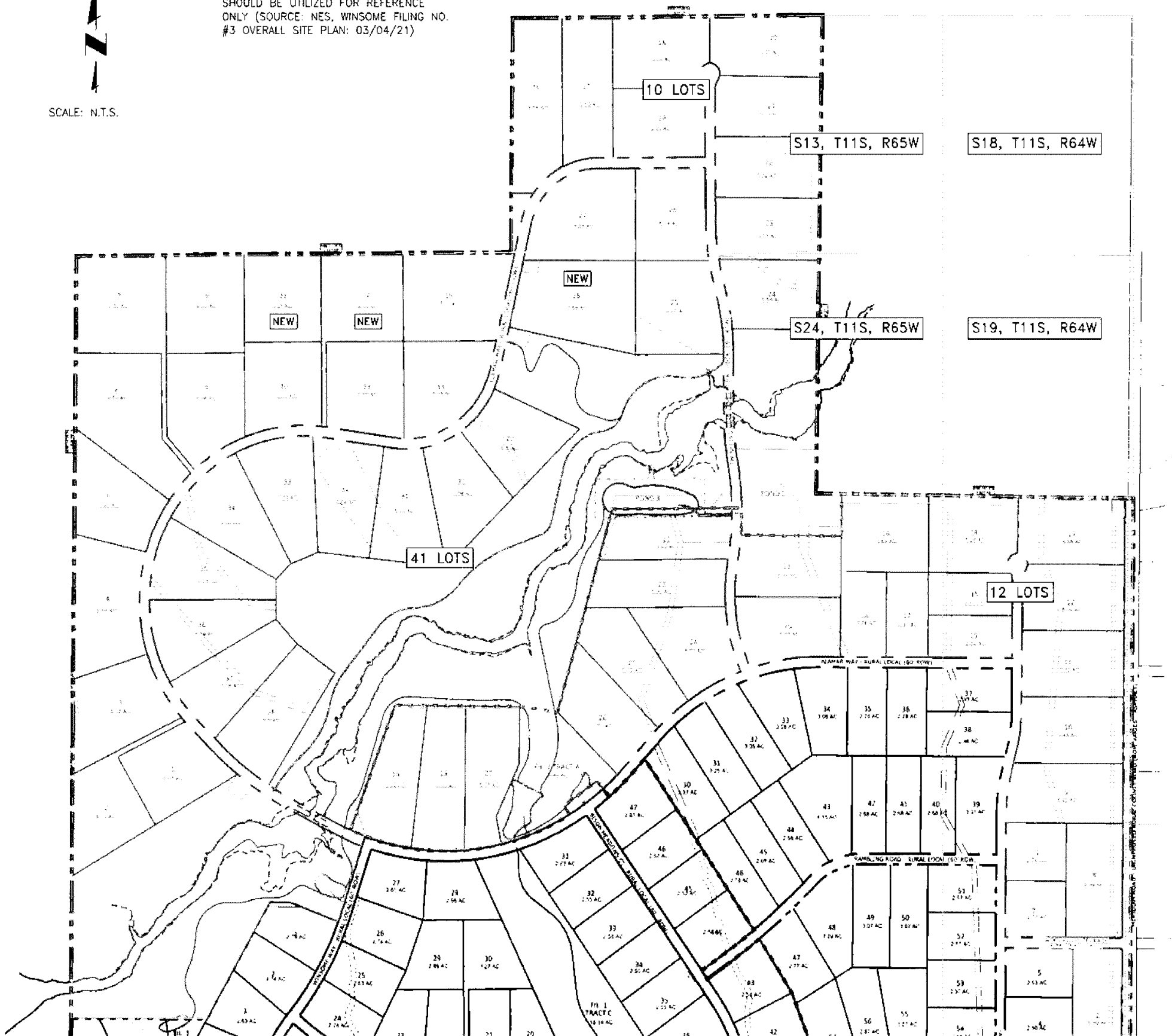
Created by AAT on July 06, 2021

Values for 'Depletion as a % of Pumping' (q/Q) are not calculated when the pumping rate (Q) is changed to anything but zero



Exhibit B  
1692-RP No. 4

NOTE:  
1. IMAGERY IS NOT ACCURATELY SCALED AND  
SHOULD BE UTILIZED FOR REFERENCE  
ONLY (SOURCE: NES, WINSOME FILING NO.  
#3 OVERALL SITE PLAN: 03/04/21)



WINSOME FILING NO. #3	
DEMAND SUMMARY	
S13, T11S, R65W = 10 LOTS @ 0.6 AF/LOT/YEAR	= 6.0 AF/YEAR
S24, T11S, R65W = 41 LOTS @ 0.6 AF/LOT/YEAR	= 24.6 AF/YEAR
S19, T11S, R64W = 12 LOTS @ 0.6 AF/LOT/YEAR	= 7.2 AF/YEAR
TOTAL DEMAND = 37.8 AF/YEAR	



# *Appendix E*



WATER QUALITY RESULTS - SUMMARY TABLE

NATIONAL PRIMARY DRINKING WATER REGULATIONS

CONTAMINANT	MCL or TT	GOWLER WELL	Above	Below
Acrylamide	TT		Not Tested	
Alachlor	0.002	BDL	Below	
Aldicarb		BDL	NA	
Aldicarb sulfone		BDL	NA	
Aldicarb sulfoxide		BDL	NA	
Aldrin		BDL	NA	
Alpha/photon emitters	15 pCi/L		Not Tested	
Antimony	0.006	BDL	Below	
Arsenic	0.01	BDL	Below	
Asbestos (fibers >10 micrometers)	7 million fibers per Liter (MFL)		Not Tested	
Atrazine	0.003	BDL	Below	
Barium	2	0.122	Below	
Benzene	0.005	BDL	Below	
BenZo(a)pyrene (PAHs)	0.0002	BDL	Below	
Beryllium	0.004	BDL	Below	
Beta photon emitters	4 MILLIREMS PER YEAR		Not Tested	
Bicarbonate		89.8 mg/L	NA	
Bromate	0.01		Not Tested	
Bromobenzene		BDL	NA	
Bromochloromethane		BDL	NA	
Bromodichloromethane		BDL	NA	
Bromoform		BDL	NA	
Butachlor		BDL	NA	
n-Butylbenzene		BDL	NA	
sec-Butylbenzene		BDL	NA	
tert-Butylbenzene		BDL	NA	
Cadmium	0.005	BDL	Below	
Calcium		67.8 mg/L	NA	
Carbaryl		BDL	NA	
Carbofuran	0.04	BDL	Below	
Carbonate		BDL	NA	
Carbon tetrachloride	0.005	BDL	Below	
Chloramines (as Cl <sub>2</sub> )	MRDL=4.0		Not Tested	
Chlordane	0.002	BDL	Below	
Chlorine (as Cl <sub>2</sub> )	MRDL=4.0		Not Tested	
Chlorine dioxide (as ClO <sub>2</sub> )	MRDL=0.8		Not Tested	
Chlorite	1.0		Not Tested	
Chlorobenzene	0.1		Not Tested	
Chlorodibromomethane		BDL	NA	
Chloroethane		BDL	NA	
Chloroform		BDL	NA	
Chloromethane		BDL	NA	
o-Chlorotoluene		BDL	NA	
p-Chlorotoluene		BDL	NA	
Chromium (total)	0.1	BDL	Below	
Copper	1.3	0.0183	Below	
Chryptosporidium	TT		Not Tested	
Cyanide (Total)	0.02	BDL	Below	
2,4-D	0.07	BDL	Below	
Dalapon	0.2	BDL	Below	
Dibromochloropropane	0.0002	BDL	Below	
Dibromomethane		BDL	NA	
Dicamba		BDL	NA	
m-Dichlorobenzene		BDL	NA	
o-Dichlorobenzene	0.6	BDL	Below	
Para-Dichlorobenzene	0.075	BDL	Below	
Dichlorodifluoromethane		BDL	NA	
1,1-Dichloroethane		BDL	NA	
1,2-Dichloroethane	0.005	BDL	Below	
1,1-Dichloroethylene	0.007	BDL	Below	
cis-1,2-Dichloroethylene	0.07	BDL	Below	
trans-1,2-Dichloroethylene	0.1	BDL	Below	
Dichloromethane	0.005	BDL	Below	
1,2-Dichloropropane	0.005	BDL	Below	
1,3-Dichloropropane		BDL	NA	
1,1-Dichloropropene		BDL	NA	
1,3-Dichloropropene		BDL	NA	
Dieldrin		BDL	NA	
Di(2-ethylhexyl) adipate	0.4	BDL	Below	
Di(2-ethylhexyl) phthalate	0.006	BDL	Below	
Dinoseb	0.007	BDL	Below	
Dioxin (2,3,7,8-TCDD)	0.0000003		Not Tested	
Diquat	0.02	BDL	Below	
Endothall	0.1	BDL	Below	
Endrin	0.002	BDL	Below	
Epichlorohydrin	TT		Not Tested	
Ethylbenzene	0.7	BDL	Below	
Ethylene dibromide	0.00005	BDL	Below	
Fecal coliform and E. coli	MCL		Not Tested	
Fluoride	4.0	0.34	Below	
Fluorotrichloromethane		BDL	NA	
Giardia lamblia	TT		Not Tested	
Glyphosate	0.7	BDL	Below	
Gross Alpha (incl. Uranium)	15	3.6	Below	
Gross Beta		8.3	NA	
Haloacetic acids (HAA5)	0.06		Not Tested	
Heptachlor	0.0004	BDL	Below	
Heptachlor epoxide	0.0002	BDL	Below	
Heterotrophic plate count (HPC)	TT		Not Tested	
Hexachlorobenzene	0.001	BDL	Below	
Hexachlorobutadiene		BDL	NA	
Hecachlorocyclopentadiene	0.05	BDL	Below	
3-Hydroxycarbofuran		BDL	NA	
Isopropylbenzene		BDL	NA	
p-Isopropyltoluene		BDL	NA	
Lead	0.015	0.0005	Below	
Langolier Index		-1.02	NA	
Legionella	TT		Not Tested	
Lindane	0.0002	BDL	Below	
Mercury (inorganic)	0.002	BDL	Below	
Methomyl		BDL	NA	
Methoxychlor	0.04	BDL	Below	
Metolachlor		BDL	NA	
Metribuzin		BDL	NA	
Monochlorobenzene	0.1	BDL	Below	
Naphthalene		BDL	NA	
Nickel		BDL	NA	
Nitrate (measured as Nitrogen)	10	BDL	Below	
Nitrite (measured as Nitrogen)	1.0	BDL	Below	
Oxamyl (Vydate)	0.2	BDL	Below	
Pentachlorophenol	0.001	BDL	Below	
pH		7.15	NA	
Phosphate (ortho)			NA	
Picloram	0.5	BDL	Below	
Polychlorinated biphenyls (PCBs)	0.0005	BDL	Below	
Propachlor		BDL	NA	
n-Propylbenzene		BDL	NA	
Radium 226	5	8.3	Above	
Radium 228				
Radon		1650	NA	
Selenium	0.05	BDL	Below	
Simazine	0.004	BDL	Below	
Sodium		9.4	NA	
Styrene	0.1	BDL	Below	
1,1,1,2- Tetrachloroethane		BDL	NA	
1,1,2,2-Tetrachloroethane		BDL	NA	
Tetrachloroethylene	0.005	BDL	Below	
Thallium	0.002	BDL	Below	
Toluene	1.0	BDL	Below	
Total Alkalinity		89.8 mg/L	NA	
Total Coliforms	5.00%		Not Tested	
Total Trihalomethanes (TTHMs)	0.08	BDL	Below	
Toxaphene	0.003	BDL	Below	
2,4,5-TP (Silvex)	0.05	BDL	Below	
1,2,3-Trichlorobenzene		BDL	NA	
1,2,4-Trichlorobenzene	0.07	BDL	Below	
1,1,1-Trichloroethane	0.2	BDL	Below	
1,1,2-Trichloroethane	0.005	BDL	Below	
Trichloroethylene	0.005	BDL	Below	
1,2,4-Trimethylbenzene		BDL	NA	
Turbidity	TT		Not Tested	
Uranium	0.03	0.0002	Below	
Vinyl chloride	0.002	BDL	Below	
Viruses (enteric)	TT		Not Tested	
Xylenes (total)	10	BDL	Below	

SECONDARY DRINKING WATER STANDARDS

CONTAMINANT	SMCL	GOWLER WELL	Above	Below
Aluminum	0.2		Not Tested	
Chloride	250		Not Tested	
Color	15		Not Tested	
Copper	1.3	0.0183	Below	
Corrosivity	Non-corrosive		Not Tested	
Hydroxide	0.1	BDL	Below	
Fluoride	2.0		Not Tested	
Foaming agents	0.5		Not Tested	
Iron	0.3	BDL	Below	
Manganese	0.05	0.1171	Above	
Odor	3 TON		Not Tested	
pH	6.5 - 8.5 units	7.15 units	Below	
Silver	0.1		Not Tested	
Sulfate	250		Not Tested	
Temperature	N/A	11 °	Below	
Total Dissolved Solids (TDS)	500	154	Below	
Zinc	5		Not Tested	





**Hazen Research, Inc.**  
4601 Indiana Street  
Golden, CO 80403 USA  
Tel: (303) 279-4501  
Fax: (303) 278-1528

Lab Control ID: 19M01215

Received: Feb 08, 2019

Reported: Mar 05, 2019

Purchase Order No.

None Received

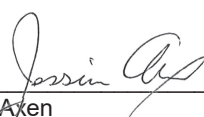
Customer ID: 20040H

Account ID: Z01034

Stuart Nielson  
Colorado Analytical Laboratories, Inc.  
PO Box 507  
240 South Main Street  
Brighton, CO 80601

## ANALYTICAL REPORT

*Report may only be copied in its entirety.  
Results reported herein relate only to discrete samples  
submitted by the client. Hazen Research, Inc. does not warrant  
that the results are representative of anything other than the  
samples that were received in the laboratory*

By:   
Jessica Axen  
Analytical Laboratories Director



Customer ID: 20040H  
 Account ID: Z01034  
**ANALYTICAL REPORT**

Stuart Nielson  
 Colorado Analytical Laboratories, Inc.

<b>Lab Sample ID</b>			19M01215-001					
<b>Customer Sample ID</b>			<b>190208005-01</b> - Gowler Well sampled on 02/07/19 @ 0946 by Stephanie Shwenke					
<b>Parameter</b>	<b>Units</b>	<b>Code</b>	Precision* Detection		Analysis			
			Result	+/-	Limit	Method	Date / Time	Analyst
Gross Alpha	pCi/L	T	3.6	2.1	0.1	SM 7110 B	2/18/19 @ 0800	SS
Gross Beta	pCi/L	T	8.3	2.7	3.7	SM 7110 B	2/18/19 @ 0800	SS
Radium-226	pCi/L	T	2.2	0.7	0.1	SM 7500-Ra B	2/19/19 @ 0827	SA
Radium-228	pCi/L	T	6.1	1.0	0.2	EPA Ra-05	2/22/19 @ 0955	JR
Radon	pCi/L	T	1650	45	13.0	SM 7500-Rn B	2/8/19 @ 1527	SA

Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10265; NJ CO008; NYSELAP (NELAC Certified) 11417; RI LAO00284; WI 998376610, TX T104704256-15-6

\*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Suspended (R) = Total Residual (AR) = As Received < = Less Than

Samples received with air bubbles. Radon results may be biased low.







## Analytical Results

**TASK NO: 190208006**

**Report To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID:** Gowler Well

**Sample Date/Time:** 2/7/19

**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Bicarbonate	89.8 mg/L as CaCO <sub>3</sub>	SM 2320-B	0.1	2/11/19	JTF
Calcium as CaCO <sub>3</sub>	67.8 mg/L	EPA 200.7	0.1	2/13/19	MBN
Carbonate	< 0.1 mg/L as CaCO <sub>3</sub>	SM 2320-B	0.1	2/11/19	JTF
Hydroxide	< 0.1 mg/L as CaCO <sub>3</sub>	SM 2320-B	0.1	2/11/19	JTF
Langelier Index	-1.02 units	SM 2330-B		2/13/19	SAN
pH	7.15 units	SM 4500-H-B	0.01	2/7/19	Sampler
Temperature	11 °C	SM 4500-H-B	1	2/7/19	Sampler
Total Alkalinity	89.8 mg/L as CaCO <sub>3</sub>	SM 2320-B	0.1	2/11/19	JTF
Total Dissolved Solids	154 mg/L	SM 2540-C	5	2/13/19	ISG

**Abbreviations/ References:**

ML = Minimum Level = LRL = RL  
mg/L = Milligrams Per Liter or PPM  
ug/L = Micrograms Per Liter or PPB  
mpn/100 mls = Most Probable Number Index/ 100 mls  
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY



# Drinking Water Chain of Custody



LABORATORIES, INC.

Brighton Lab  
240 South Main Street  
Brighton, CO 80601

Lakewood Lab  
12860 W. Cedar Dr, Suite 100A  
Lakewood CO 80228

Phone: 303-659-2313  
Fax: 303-659-2315

[www.coloradolab.com](http://www.coloradolab.com)

<b>Report To Information</b>		<b>Bill To Information (if different from report to)</b>	
Company Name: <u>JDS-Hydro</u>	Company Name: _____	State Form / Project Information	
Contact Name: <u>Doug Schwank</u>	Contact Name: _____	PWSID: <u>Private Well</u>	
Address: <u>5540 Teal Center Drive</u>	Address: _____	System Name: _____	
City: <u>Suite 100</u>	City: _____	Address: <u>11745 Cavendish</u>	
State: <u>CO</u>	State: _____	City: <u>Newmont State</u>	
Zip: <u>80019</u>	Zip: _____	State: <u>CO</u>	
Phone: <u>719-337-0134</u>	Phone: <u>719-471-3111</u>	County: <u>El Paso</u>	
Fax: _____	Fax: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Email: <u>dschwank</u>	Email: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Sampler Name: <u>Stephanie Schwank</u>	PO No.: _____		

<b>Task Number</b>		<b>Task No.</b>		<b>Task No.</b>	
<u>Encoder Well</u>		<u>ARF</u>		<u>190208006</u>	
Date	Time	Client Sample ID / EP Code	No. of	Residual Chlorine (mg/L)	P/A Samples Only
2/7/11	3:50	#11	1		
2/7/11	10:11	#12	2		
2/7/11	10:16	#13	3		
2/7/11	10:15	#14	3		
2/7/11	10:17	#15	3		
2/7/11	10:17	#16	2		
2/7/11	10:14	#17	1		
Instructions: <u>Please add lead, copper, iron &amp; manganese to metals analysis</u>		Field blank			
Relinquished By: <u>Stephanie Schwank</u>		Received By: <u>Stephanie Schwank</u>			
Date/Time: <u>2/7/11</u>	Date/Time: <u>2/7/11</u>	Date/Time: <u>2/8/11</u>			
Delivered Via: <u>Fed Ex</u>		Relinquished By: <u>Stephanie Schwank</u>			
CS Change: <input checked="" type="checkbox"/>		Temp: <u>5</u> °C/°F			
Seals Present Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Headspace Yes <input type="checkbox"/> No <input type="checkbox"/>			
Sample Pres. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Date/Time: <u>2/8/11</u>			



# Drinking Water Chain of Custody



LABORATORIES, INC.

**Brighton Lab**

240 South Main Street  
Brighton, CO 80601

**Lakewood Lab**

12860 W. Cedar Dr, Suite 100A  
Lakewood CO 80228

Phone: 303-659-2313  
Fax: 303-659-2315

[www.coloradolab.com](http://www.coloradolab.com)

Report To Information		Bill To Information (If different from report to)		State Form / Project Information	
Company Name: <u>IDS-Hydra</u>	Company Name: <u>Same</u>	PWSID: <u>Private Well</u>			
Contact Name: <u>Doug Schwenke</u>	Contact Name: _____	System Name: _____			
Address: <u>5040 Ten Center Dr.</u>	Address: _____	Address: <u>11745 Quiet Lakes</u>			
City: <u>CS State</u>	City: _____	City: <u>Monument State</u>	State: <u>CO</u>	Zip: <u>80133</u>	
Phone: <u>719-327-1212</u>	Phone: <u>719-471-3401</u>	County: <u>El Paso County</u>			
Email: <u>d.schwenke@ids-hydra.com</u>	Email: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Sampler Name: <u>Stephanie Schwenke</u>	PO No.: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

Task Number		Client Sample ID / EP Code	Residual Chlorine (mg/L) P/A Samples Only	PHASE I, II, V Drinking Water Analyses (check analysis)															Subcontract Analyses										
Gauker Well				504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	Cyanide	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium	
Date	Time																												
2/24/09	09:42	#1	2.0																										
2/24/09	09:46	#2	1																										
2/24/09	09:54	#3	2																										
2/24/09	09:55	#4	1																										
2/24/09	10:01	#5	1																										
2/24/09	10:02	#6	1																										
2/24/09	09:59	#7	1																										
2/24/09	09:49	#8	1																										
2/24/09	09:46	#9	1																										
2/24/09	09:46	#10	1																										

Instructions: Field pH = 7.15 Field Temp = 11.3°C

Relinquished By: [Signature] Date/Time: 2/24/09 11:00 AM Received By: [Signature] Date/Time: 2/28/09 9:30

Delivered Via: Fed Ex C/S Charge ☒ Temp. 9°C/16°C Sample Pres. Yes ☒ No ☐



## Analytical Results

**TASK NO: 190208006**

**Report To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID** Gowler Well

**Sample Date/Time:** 2/7/19

**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Dibromochloropropane	< 0.02 ug/L	EPA 504.1	0.02 ug/L	2/13/19	SPF	0.2
Ethylene dibromide	< 0.01 ug/L	EPA 504.1	0.01 ug/L	2/13/19	SPF	0.05
Aldrin	< 0.05 ug/L	EPA 505	0.05 ug/L	2/13/19	SPF	
Chlordane	< 0.2 ug/L	EPA 505	0.2 ug/L	2/13/19	SPF	2
Dieldrin	< 0.05 ug/L	EPA 505	0.05 ug/L	2/13/19	SPF	
Endrin	< 0.01 ug/L	EPA 505	0.01 ug/L	2/13/19	SPF	2
Heptachlor epoxide	< 0.02 ug/L	EPA 505	0.02 ug/L	2/13/19	SPF	0.2
Hexachlorobenzene	< 0.1 ug/L	EPA 505	0.1 ug/L	2/13/19	SPF	1
Hexachlorocyclopentadiene	< 0.1 ug/L	EPA 505	0.1 ug/L	2/13/19	SPF	50
Lindane	< 0.02 ug/L	EPA 505	0.02 ug/L	2/13/19	SPF	0.2
Methoxychlor	< 0.1 ug/L	EPA 505	0.1 ug/L	2/13/19	SPF	40
Polychlorinated biphenyl's	< 0.1 ug/L	EPA 505	0.1 ug/L	2/13/19	SPF	0.5
Toxaphene	< 1 ug/L	EPA 505	1 ug/L	2/13/19	SPF	3
2,4,5-TP	< 0.2 ug/L	EPA 515.4	0.2 ug/L	2/15/19	mbs	50
2,4,-D	< 0.1 ug/L	EPA 515.4	0.1 ug/L	2/15/19	mbs	70
Dalapon	< 1.0 ug/L	EPA 515.4	1.0 ug/L	2/15/19	mbs	200
Dicamba	< 0.5 ug/L	EPA 515.4	0.5 ug/L	2/15/19	mbs	
Dinoseb	< 0.2 ug/L	EPA 515.4	0.2 ug/L	2/15/19	mbs	7
Pentachlorophenol	< 0.04 ug/L	EPA 515.4	0.04 ug/L	2/15/19	mbs	1
Picloram	< 0.1 ug/L	EPA 515.4	0.1 ug/L	2/15/19	mbs	500

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## Analytical Results

**TASK NO: 190208006**

**Report To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID** Gowler Well

**Sample Date/Time:** 2/7/19

**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Alachlor	< 0.2 ug/L	EPA 525.2	0.2 ug/L	2/14/19	LEH	2
Atrazine	< 0.1 ug/L	EPA 525.2	0.1 ug/L	2/14/19	LEH	3
Benzo(a)pyrene	< 0.02 ug/L	EPA 525.2	0.02 ug/L	2/14/19	LEH	0.2
Butachlor	< 0.25 ug/L	EPA 525.2	0.25 ug/L	2/14/19	LEH	
Di(2-ethylhexyl)adipate	< 0.6 ug/L	EPA 525.2	0.6 ug/L	2/14/19	LEH	400
Di(2-ethylhexyl)phthalate	< 0.6 ug/L	EPA 525.2	0.6 ug/L	2/14/19	LEH	6
Heptachlor	< 0.04 ug/L	EPA 525.2	0.04 ug/L	2/14/19	LEH	0.4
Metolachlor	< 0.25 ug/L	EPA 525.2	0.25 ug/L	2/14/19	LEH	
Metribuzin	< 0.25 ug/L	EPA 525.2	0.25 ug/L	2/14/19	LEH	
Propachlor	< 0.25 ug/L	EPA 525.2	0.25 ug/L	2/14/19	LEH	
Simazine	< 0.07 ug/L	EPA 525.2	0.07 ug/L	2/14/19	LEH	4
3-Hydroxycarbofuran	< 0.5 ug/L	EPA 531.1	0.5 ug/L	2/14/19	MBS	
Aldicarb	< 0.6 ug/L	EPA 531.1	0.6 ug/L	2/14/19	MBS	
Aldicarb sulfone	< 1.0 ug/L	EPA 531.1	1.0 ug/L	2/14/19	MBS	
Aldicarb sulfoxide	< 0.7 ug/L	EPA 531.1	0.7 ug/L	2/14/19	MBS	
Carbaryl	< 0.5 ug/L	EPA 531.1	0.5 ug/L	2/14/19	MBS	
Carbofuran	< 0.9 ug/L	EPA 531.1	0.9 ug/L	2/14/19	MBS	40
Methomyl	< 0.5 ug/L	EPA 531.1	0.5 ug/L	2/14/19	MBS	
Oxamyl	< 1.0 ug/L	EPA 531.1	1.0 ug/L	2/14/19	MBS	200
Glyphosate	< 6.0 ug/L	EPA 547	6.0 ug/L	2/17/19	Outside Lab	700

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## Analytical Results

**TASK NO: 190208006**

**Report To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID** Gowler Well

**Sample Date/Time:** 2/7/19

**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Endothall	< 9 ug/L	EPA 548.1	9 ug/L	2/12/19	mbs	100
Diquat	< 0.4 ug/L	EPA 549.2	0.4 ug/L	2/12/19	Sean	20
1,1,1,2-Tetrachloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	200
1,1,1-Trichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,1,2,2-Tetrachloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,1,2-Trichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
1,1-Dichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	7
1,1-Dichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,1-Dichloropropene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	70
1,2,3-Trichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,2,3-Trichloropropane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,2,4-Trichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
1,2,4-Trimethylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,2-Dichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,2-Dichloropropane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
1,3,5-Trimethylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
1,3-Dichloropropane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
1,3-Dichloropropene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Benzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
Bromobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Bromochloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	

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## Analytical Results

**TASK NO: 190208006**

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**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID** Gowler Well

**Sample Date/Time:** 2/7/19

**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Bromodichloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Bromoform	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Bromomethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Carbon Tetrachloride	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
Chlorodibromomethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Chloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Chloroform	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Chloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
cis-1,2-Dichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	70
Dibromomethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Dichlorodifluoromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Dichloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
Ethylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	700
Fluorotrichloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Hexachlorobutadiene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Isopropylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
m-Dichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Monochlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	100
Naphthalene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
n-Butylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
n-Propylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
o-Chlorotoluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	

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DATA APPROVED FOR RELEASE BY



## Analytical Results

**TASK NO: 190208006**

**Report To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID** Gowler Well

**Sample Date/Time:** 2/7/19

**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
o-Dichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	600
Para-Dichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	75
p-Chlorotoluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
p-Isopropyltoluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
sec-Butylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Styrene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	100
tert-Butylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	
Tetrachloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
Toluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	1000
Total Trihalomethanes	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	80
trans-1,2-Dichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	100
Trichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	5
Vinyl chloride	< 0.5 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	2
Xylenes (total)	1.0 ug/L	EPA-524.2	0.5 ug/L	2/11/19	LEH	10000

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ug/L = Micrograms Per Liter or PPB  
mpn/100 mls = Most Probable Number Index/ 100 mls  
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY

240 South Main Street / Brighton, CO 80601-0507 / 303-659-2313  
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507 / Fax: 303-659-2315



# Drinking Water Chain of Custody



LABORATORIES, INC.

Brighton Lab  
240 South Main Street  
Brighton, CO 80601

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12860 W. Cedar Dr, Suite 100A  
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[www.coloradolab.com](http://www.coloradolab.com)

<b>Report To Information</b>		<b>Bill To Information (if different from report to)</b>		<b>State Form / Project Information</b>	
Company Name: <u>JD's Hydro</u>	Company Name: _____	PWSID: <u>Private well</u>			
Contact Name: <u>Doug Schwantz</u>	Contact Name: _____	System Name: _____			
Address: <u>5540 Teichlander Drive</u>	Address: _____	Address: <u>11745 Gaudin Drive</u>			
City: <u>Suite 100</u>	City: _____	City: <u>Mountain View</u>			
State: <u>CO</u>	State: <u>CO</u>	State: <u>CO</u>			
Zip: <u>80919</u>	Zip: _____	Zip: <u>80132</u>			
Phone: <u>719-337-0019</u>	Phone: <u>719-471-3400</u>	County: <u>El Paso</u>			
Fax: _____	Fax: _____	County: _____			
Email: <u>dschwantz</u>	Email: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Sample Name: <u>Stephane Schwantz</u>	PO No: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

<b>Task Number</b>		<b>Task Name</b>		<b>Task Description</b>	
<u>190208006</u>		<u>Gooder well</u>		<u>ARF</u>	
<b>Date</b>		<b>Time</b>	<b>Client Sample ID / EP Code</b>	<b>No. of</b>	<b>Residual Chlorine (mg/L)</b>
<u>2/7/19</u>		<u>2:50</u>	<u>#11</u>	<u>1</u>	<u>1</u>
<u>2/7/19</u>		<u>10:11</u>	<u>#12</u>	<u>2</u>	<u>1</u>
<u>2/7/19</u>		<u>10:16</u>	<u>#13</u>	<u>3</u>	<u>1</u>
<u>2/7/19</u>		<u>10:16</u>	<u>#14</u>	<u>3</u>	<u>1</u>
<u>2/7/19</u>		<u>10:17</u>	<u>#15</u>	<u>3</u>	<u>1</u>
<u>2/7/19</u>		<u>10:17</u>	<u>#16</u>	<u>2</u>	<u>1</u>
<u>2/7/19</u>		<u>10:17</u>	<u>#17</u>	<u>1</u>	<u>1</u>
<b>Instructions:</b>		<b>Field blank</b>			
<b>Relinquished By:</b>		<b>Received By:</b>			
<u>Stephane Schwantz</u>		<u>John</u>			
<b>Date/Time:</b>		<b>Date/Time:</b>			
<u>2/7/19 11:00am</u>		<u>2/8/19 9:30</u>			
<b>Delivered Via:</b>		<b>Relinquished By:</b>			
<u>Fed Ex</u>		<u>John</u>			
<b>CS Charge:</b>		<b>Temp:</b>			
<u>Yes</u>		<u>Yes</u>			
<b>Date/Time:</b>		<b>Received By:</b>			
<u>2/8/19</u>		<u>John</u>			
<b>Seals Present:</b>		<b>Headspace:</b>			
<u>Yes</u>		<u>Yes</u>			
<b>Date/Time:</b>		<b>Date/Time:</b>			
<u>2/8/19</u>		<u>2/8/19</u>			



# Drinking Water Chain of Custody



LABORATORIES, INC.

**Brighton Lab**  
240 South Main Street  
Brighton, CO 80601

**Lakewood Lab**  
12860 W. Cedar Dr, Suite 100A  
Lakewood CO 80228

Phone: 303-659-2313  
Fax: 303-659-2315

[www.coloradolab.com](http://www.coloradolab.com)

Report To Information		Bill To Information (if different from report to)		State Form / Project Information	
Company Name: <u>IDS-Hydris</u>	Company Name: <u>Sunc</u>	PWSID: <u>Drivakwell</u>			
Contact Name: <u>Stephane Schenck</u>	Contact Name: _____	System Name: _____			
Address: <u>5040 Ten Center Dr.</u>	Address: _____	Address: <u>11745 Quaker Lakes</u>			
City: <u>State Center</u>	City: _____	City: <u>Monument State</u>			
State: <u>CO</u>	State: _____	State: <u>CO</u>			
Zip: <u>80919</u>	Zip: _____	Zip: <u>80133</u>			
Phone: <u>719-327-1212</u>	Phone: _____	County: <u>El Paso County</u>			
Fax: <u>719-471-3400</u>	Fax: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Email: <u>stephane.schenck@ids-hydris.com</u>	Email: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Sampler Name: <u>Stephane Schenck</u>	PO No.: _____				

Task Number		CAL Task No.		Phase I, II, V Drinking Water Analyses (check analysis)		Subcontract Analyses																								
<u>60000000</u>		<u>190208006</u>																												
<u>Grover Well</u>		ARF																												
Date	Time	Client Sample ID / EP Code	No. 0	Residual Chlorine (mg/L)	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOC's-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	Cyanide	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium
2/24/02	11:42	#1	2																											
2/24/02	11:46	#2	1																											
2/24/02	11:54	#3	2																											
2/24/02	11:55	#4	1																											
2/24/02	11:55	#5	1																											
2/24/02	10:02	#6	1																											
2/24/02	9:59	#7	1																											
2/24/02	9:44	#8	1																											
2/24/02	9:46	#9	1																											
2/24/02	9:48	#10	1																											
Instructions:				Field pH = 7.15				Field Temp = 11.3°C				C/S Info:				Seals Present Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Headspace Yes <input type="checkbox"/> No <input type="checkbox"/>										
Relinquished By: <u>Stephane Schenck</u>	Date/Time: <u>2/24/02</u>	Received By: <u>A. Lu</u>	Date/Time: <u>2/28/02</u>	Delivered Via: <u>Fed Ex</u>	Relinquished By: _____	C/S Charge: <input checked="" type="checkbox"/>	Temp: <u>Y</u>	Sample Pres: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time: _____																					





## Analytical Results

**TASK NO: 190208008**

**Report To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208008

**Client PO:**

**Client Project:**

**Date Received:** 2/8/19

**Date Reported:** 2/11/19

**Matrix:** Water - Drinking

Lab Number	Customer Sample ID	Sample Date/Time	Test	Result	Method	Date Analyzed
190208008-01	#17 Gowler Well	2/7/19 10:21 AM	Total Coliform	Absent	SM 9223	2/9/19
			E-Coli	Absent	SM 9223	2/9/19

**Abbreviations/ References:**

Absent = Coliform Not Detected

Present = Coliform Detected - Chlorination Recommended

Date Analyzed = Date Test Completed

SM = "Standard Methods for the Examination of Water and Wastewater"; APHA; 19th Edition; 1995

DATA APPROVED FOR RELEASE BY

240 South Main Street / Brighton, CO 80601-0507 / 303-659-2313  
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507 / Fax: 303-659-2315



# Drinking Water Chain of Custody



LABORATORIES, INC.

Brighton Lab  
240 South Main Street  
Brighton, CO 80601

Lakewood Lab  
12860 W. Cedar Dr. Suite 100A  
Lakewood CO 80228

Phone: 303-659-2313  
Fax: 303-659-2315

[www.coloradolab.com](http://www.coloradolab.com)

<b>Report To Information</b>		<b>Bill To Information (If different from report to)</b>		<b>State Form / Project Information</b>	
Company Name: <u>IDS-Hydr</u>	Company Name: _____	PWSID: <u>Private Well</u>			
Contact Name: <u>Doug Shoenke</u>	Contact Name: _____	System Name: _____			
Address: <u>5040 Teal Avenue</u>	Address: _____	Address: <u>11745 Colorado</u>			
City: <u>US</u>	City: _____	City: <u>Mountain View</u>	State: <u>CO</u>	Zip: <u>80152</u>	
State: <u>CO</u>	State: <u>CO</u>	County: <u>Jefferson</u>	County: _____	County: _____	
Phone: <u>719-271-3411</u>	Phone: _____	Phone: _____	Fax: _____	Fax: _____	
Email: <u>ds@hydr.com</u>	Email: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Sampler Name: <u>Shoenke, Doug</u>	PO No.: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

Task Number **190208008**

## PHASE I, II, V Drinking Water Analyses (check analysis)

## Subcontract Analyses

Task Number			190208008	
Location			ARF	
Date	Time	Client Sample ID / EP Code	No.	
7/1/19	10:11	#11	1	
7/1/19	10:11	#12	2	
7/1/19	10:11	#13	3	
7/1/19	10:11	#14	3	
7/1/19	10:11	#15	3	
7/1/19	10:11	#16	3	
7/1/19	10:11	#17	3	
7/1/19	10:11	#18	3	
7/1/19	10:11	#19	3	
7/1/19	10:11	#20	3	
7/1/19	10:11	#21	3	
7/1/19	10:11	#22	3	
7/1/19	10:11	#23	3	
7/1/19	10:11	#24	3	
7/1/19	10:11	#25	3	
7/1/19	10:11	#26	3	
7/1/19	10:11	#27	3	
7/1/19	10:11	#28	3	
7/1/19	10:11	#29	3	
7/1/19	10:11	#30	3	
7/1/19	10:11	#31	3	
7/1/19	10:11	#32	3	
7/1/19	10:11	#33	3	
7/1/19	10:11	#34	3	
7/1/19	10:11	#35	3	
7/1/19	10:11	#36	3	
7/1/19	10:11	#37	3	
7/1/19	10:11	#38	3	
7/1/19	10:11	#39	3	
7/1/19	10:11	#40	3	
7/1/19	10:11	#41	3	
7/1/19	10:11	#42	3	
7/1/19	10:11	#43	3	
7/1/19	10:11	#44	3	
7/1/19	10:11	#45	3	
7/1/19	10:11	#46	3	
7/1/19	10:11	#47	3	
7/1/19	10:11	#48	3	
7/1/19	10:11	#49	3	
7/1/19	10:11	#50	3	
7/1/19	10:11	#51	3	
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7/1/19	10:11	#68	3	
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7/1/19	10:11	#71	3	
7/1/19	10:11	#72	3	
7/1/19	10:11	#73	3	
7/1/19	10:11	#74	3	
7/1/19	10:11	#75	3	
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7/1/19	10:11	#77	3	
7/1/19	10:11	#78	3	
7/1/19	10:11	#79	3	
7/1/19	10:11	#80	3	
7/1/19	10:11	#81	3	
7/1/19	10:11	#82	3	
7/1/19	10:11	#83	3	
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7/1/19	10:11	#98	3	
7/1/19	10:11	#99	3	
7/1/19	10:11	#100	3	
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7/1/19	10:11	#106	3	
7/1/19	10:11	#107	3	
7/1/19	10:11	#108	3	
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7/1/19	10:11	#190	3	
7/1/19	10:11	#191	3	
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7/1/19	10:11	#195	3	
7/1/19	10:11	#196	3	
7/1/19	10:11	#197	3	
7/1/19	10:11	#198	3	
7/1/19	10:11	#199	3	
7/1/19	10:11	#200	3	
7/1/19	10:11	#201	3	
7/1/19	10:11	#202	3	
7/1/19	10:11	#203	3	
7/1/19	10:11	#204	3	
7/1/19	10:11	#205	3	
7/1/19	10:11	#206	3	
7/1/19	10:11	#207	3	
7/1/19	10:11	#208	3	
7/1/19	10:11	#209	3	
7/1/19	10:11	#210	3	
7/1/19	10:11	#211	3	
7/1/19	10:11	#212	3	
7/1/19	10:11	#213	3	
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7/1/19	10:11	#228	3	
7/1/19	10:11	#229	3	
7/1/19	10:11	#230	3	
7/1/19	10:11	#231	3	
7/1/19	10:11	#232	3	
7/1/19	10:11	#233	3	
7/1/19	10:11	#234	3	
7/1/19	10:11	#235	3	
7/1/19	10:11	#236	3	
7/1/19	10:11	#237	3	
7/1/19	10:11	#238	3	
7/1/19	10:11	#239	3	
7/1/19	10:11	#240	3	
7/1/19	10:11	#241	3	
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7/1/19	10:11	#243	3	
7/1/19	10:11	#244	3	
7/1/19	10:11	#245	3	
7/1/19	10:11	#246	3	
7/1/19	10:11	#247	3	
7/1/19	10:11	#248	3	
7/1/19	10:11	#249	3	
7/1/19	10:11	#250	3	
7/1/19	10:11	#251	3	
7/1/19	10:11	#252	3	
7/1/19	10:11	#253	3	
7/1/19	10:11	#254	3	
7/1/19	10:11	#255	3	
7/1/19	10:11	#256	3	
7/1/19	10:11	#257	3	
7/1/19	10:11	#258	3	
7/1/19	10:11	#259	3	
7/1/19	10:11	#260	3	
7/1/19	10:11	#261	3	
7/1/19	10:11	#262	3	
7/1/19	10:11	#263	3	
7/1/19	10:11	#264	3	
7/1/19	10:11	#265	3	
7/1/19	10:11	#266	3	
7/1/19	10:11	#267	3	
7/1/19	10:11	#268	3	
7/1/19	10:11	#269	3	
7/1/19	10:11	#270	3	
7/1/19	10:11	#271	3	
7/1/19	10:11	#272	3	
7/1/19	10:11	#273	3	
7/1/19	10:11	#274	3	
7/1/19	10:11	#275	3	
7/1/19	10:11	#276	3	
7/1/19	10:11	#277	3	
7/1/19	10:11	#278	3	
7/1/19	10:11	#279	3	
7/1/19	10:11	#280	3	
7/1/19	10:11	#281	3	
7/1/19	10:11	#282	3	
7/1/19	10:11	#283	3	
7/1/19	10:11	#284	3	
7/1/19	10:11	#285	3	
7/1/19	10:11	#286	3	
7/1/19	10:11	#287	3	
7/1/19	10:11	#288	3	
7/1/19	10:11	#289	3	
7/1/19	10:11	#290	3	
7/1/19	10:11	#291	3	
7/1/19	10:11	#292	3	
7/1/19	10:11	#293		



## Analytical Results

**TASK NO: 190208006**

**Report To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke

**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID** Gowler Well

**Sample Date/Time:** 2/7/19

**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Fluoride	0.34 mg/L	EPA 300.0	0.09 mg/L	2/8/19	SEA	4
Nitrate Nitrogen	< 0.05 mg/L	EPA 300.0	0.05 mg/L	2/8/19	SEA	10
Nitrite Nitrogen	< 0.03 mg/L	EPA 300.0	0.03 mg/L	2/8/19	SEA	1
Cyanide-Total	< 0.005 mg/L	EPA 335.4	0.005 mg/L	2/13/19	LJG	0.02
<b>Total</b>						
Iron	< 0.005 mg/L	EPA 200.7	0.005 mg/L	2/12/19	MBN	0.3
Sodium	9.4 mg/L	EPA 200.7	0.1 mg/L	2/13/19	MBN	N/A
Antimony	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	0.006
Arsenic	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	0.01
Barium	0.122 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	2
Beryllium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	0.004
Cadmium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	0.005
Chromium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	0.1
Copper	0.0183 mg/L	EPA 200.8	0.0008 mg/L	2/13/19	DBM	1.3
Lead	0.0005 mg/L	EPA 200.8	0.0001 mg/L	2/13/19	DBM	0.015
Manganese	0.1171 mg/L	EPA 200.8	0.0008 mg/L	2/13/19	DBM	0.05
Mercury	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	2/12/19	DBM	0.002
Nickel	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	N/A
Selenium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	0.05

**Abbreviations/ References:**

ML = Minimum Level = LRL = RL

MCL = Maximum Contaminant Level per The EPA

mg/L = Milligrams Per Liter or PPM

ug/L = Micrograms Per Liter or PPB

mpn/100 mls = Most Probable Number Index/ 100 mls

Date Analyzed = Date Test Completed



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## Analytical Results

TASK NO: 190208006

**Report To:** Doug Schwenke  
**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Bill To:** Doug Schwenke  
**Company:** JDS Hydro Consultants  
545 E. Pikes Peak Ave  
Suite 300  
Colorado Springs CO 80903

**Task No.:** 190208006  
**Client PO:**  
**Client Project:**

**Date Received:** 2/8/19  
**Date Reported:** 2/21/19  
**Matrix:** Water - Drinking

**Customer Sample ID:** Gowler Well  
**Sample Date/Time:** 2/7/19  
**Lab Number:** 190208006-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
<u>Total</u>						
Thallium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	2/12/19	DBM	0.002
Uranium	0.0002 mg/L	EPA 200.8	0.0002 mg/L	2/13/19	DBM	0.03

### Abbreviations/ References:

ML = Minimum Level = LRL = RL  
MCL = Maximum Contaminant Level per The EPA  
mg/L = Milligrams Per Liter or PPM  
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mpn/100 mls = Most Probable Number Index/ 100 mls  
Date Analyzed = Date Test Completed

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240 South Main Street / Brighton, CO 80601-0507 / 303-659-2313  
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507 / Fax: 303-659-2315







# Drinking Water Chain of Custody



LABORATORIES, INC.

**Brighton Lab**  
240 South Main Street  
Brighton, CO 80601

**Lakewood Lab**  
12860 W. Cedar Dr, Suite 100A  
Lakewood CO 80228

Phone: 303-659-2313  
Fax: 303-659-2315

[www.coloradolab.com](http://www.coloradolab.com)

Report To Information		Bill To Information (If different from report to)		State Form / Project Information	
Company Name: <u>IDS-Hydro</u>	Company Name: <u>Same</u>	PWSID: <u>Private well</u>			
Contact Name: <u>Doug Schwandt</u>	Contact Name: _____	System Name: _____			
Address: <u>5040 Teen Center Dr.</u>	Address: _____	Address: <u>11745 Quaker Lakes</u>			
City: <u>Suite 100</u>	City: _____	City: <u>Monument State</u>			
State: <u>CO</u>	State: <u>CO</u>	County: <u>El Paso County</u>			
Zip: <u>80919</u>	Zip: _____	Zip: <u>80133</u>			
Phone: <u>719-321-1212</u>	Phone: <u>719-471-3444</u>	County: <u>El Paso County</u>			
Fax: _____	Fax: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Email: <u>dschwandt@idshydro.com</u>	Email: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Sampler Name: <u>Stephen Schwandt</u>	PO No.: _____				

CAL Task No.  
190208006

Task Number

ARF

Gauker well

Date Time Client Sample ID / EP Code

No. 0

Residual Chlorine (mg/L)  
P/A Samples Only

Total Coliform P/A

504.1 EDB/DBCP

505 Pests/PCBs

515.4 Herbicides

524.2 VOCs

525.2 SOCs-Pest

531.1 Carbamates

547 Glyphosate

548.1 Endothall

549.2 Diquat

524.2 TTHMs

552.2 HAA5s

Lead/Copper

Nitrate

Nitrite

Fluoride

Inorganics

Alk./Lang. Index

TOC, DOC (Circle)

SUVA, UV 254 (Circle)

Cyanide

Gross Alpha/Beta

Radium 226

Radium 228

Radon

Uranium

PHASE I, II, V Drinking Water Analyses (check analysis)

Subcontract Analyses

Date	Time	Client Sample ID / EP Code	No. 0	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	Cyanide	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium
2/24/09	09:42	#1	2																											
2/24/09	09:46	#2	2																											
2/24/09	09:54	#3	2																											
2/24/09	09:55	#4	2																											
2/24/09	10:02	#5	2																											
2/24/09	09:54	#6	2																											
2/24/09	09:54	#7	2																											
2/24/09	09:54	#8	2																											
2/24/09	09:54	#9	2																											
2/24/09	09:54	#10	2																											

Instructions:

Field pH = 7.15

Field Temp = 11.3°C

C/S Info:

Seals Present Yes ☒ No ☐ Headspace Yes ☐ No ☐

Relinquished By: <u>Stephen Schwandt</u>	Date/Time: <u>2/24/09 11:00am</u>	Received By: <u>J. Ku</u>	Date/Time: <u>2/28/09 9:30</u>	Delivered Via: <u>Fed Ex</u>	C/S Change <input checked="" type="checkbox"/>	Temp. <u>Y</u>	Received By: <u>Y</u>	Sample Pres Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time: _____
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