

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-33366
Exam Date: 04/05/2021

1. Current Owner:
CTI SSI FOOD SERVICES LLC 22303 HIGHWAY 95 WILDER ID 83676-5096
2. Accompanied by: Bill Upson, Luke Lee
Phone No:
Address:
Relationship to permit Holder: CTI plant employees

3. SOURCE: GROUND WATER

Method of Determination: Site visit, well logs

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
63-3587	Groundwater	Irrigation	Decree
63-10727	Groundwater	Industrial	License
63-11243	Groundwater	Irrigation	Decree
63-11254	Groundwater	Irrigation	Decree
63-31640	Groundwater	Industrial	License
Boise Project B.O.C. WR's	Multiple	Irrigation	Decree

Comments: Rights 63-3587, 63-11243, 63-11254, and Boise Project Board of Control water rights overlap the industrial wastewater irrigation portion of this right. Rights 63-10727 and 63-31640 overlap the industrial use of this right.

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
63-10727	Groundwater	Industrial	License
63-11254	Groundwater	Irrigation	Decree
63-31640	Groundwater	Industrial	License

Comments: All of these rights overlap wells that are used for this right for the industrial use of the plant. 63-11254 is for irrigation purposes only.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	NE¼ SE¼, Sec. 10, Twp 04N, Rge 05W, B.M.	CANYON County
GROUND WATER	NE¼ SE¼, Sec. 10, Twp 04N, Rge 05W, B.M.	CANYON County
GROUND WATER	NE¼ SE¼, Sec. 10, Twp 04N, Rge 05W, B.M.	CANYON County
GROUND WATER	NE¼ SE¼, Sec. 10, Twp 04N, Rge 05W, B.M.	CANYON County
GROUND WATER	NE¼ SE¼, Sec. 10, Twp 04N, Rge 05W, B.M.	CANYON County

Method of Determination: GPS, aerial imagery, digital PLSS system

PLACE OF USE: INDUSTRIAL

			NE				NW				SW				SE				Totals
Twp	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	05W	8									X	X	X	X				X	
04N	05W	10													X				
04N	05W	17	X	X	X		X	X	X	X									

Method of Determination: Site visit, aerial imagery, digital PLSS system

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

☒ X Indicate weir size/pipe as applicable.

☒ X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

☒ X Aerial Photo Attached (required for irrigation of 10+ acres).

☒ X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
n/a	n/a	50	n/a	Berkeley 8T-950	n/a
388265	n/a	50	n/a	Berkeley 8T-950	n/a
415582	n/a	50	n/a	Berkeley 8T-950	n/a
295465	n/a	50	n/a	Berkeley 8T-950	n/a
n/a	n/a	50	n/a	Berkeley 8T-950	n/a

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
APMACAE	MAG Meter	Owners Inline Flow Meter	AE210MG	n/a	100	n/a

2. Measurements: No measurement were taken during this exam. This flow meter provided quarterly readings used to determine volume.

E. FLOW CALCULATIONS

☒ X Additional Computation Sheets Attached

Measured Method: Theoretical

Well tag D0064298 → Pump curve = 380 gpm, theoretical = 341 gpm → allowable 341 gpm

Well tag D0031658 → Pump curve = 400 gpm, theoretical = 408 gpm → allowable 400 gpm

Well tag D0041903 → Pump curve = 400 gpm, theoretical = 417 gpm → allowable 400 gpm

Well tag D0002398 → Pump curve = 250 gpm, theoretical = 655 gpm → allowable 250 gpm

No Well tag → Irrigation use covered under water right 63-11254 → allowable 0

Capacity of Industrial System → 1,391 gpm or 3.10 cfs

Amount of industrial use covered under 63-10727 = 0.59 cfs

Amount of industrial use covered under 63-31640 = 0.75 cfs

Amount of capacity left for this permit = 1.76 cfs

Licensing recommendation = 0.75 cfs

The license is limited to the 0.75 cfs that was permitted.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: none

2. Volume Calculations for Other Uses:

Total gallons diverted from wells during the highest use quarter = 46,563,700 gallons

Number of days meter was read = 92 days

Average gallons diverted from wells per day = 506,127 gal

Average gallons diverted per year (365 days) = 184,736,355 gal

Average acre feet per year (325850 gal/acre foot) = 566.9 AFA

Amount covered under current water rights = 439.4 AFA

Additional beneficial volume = 128 AFA

G. NARRATIVE/REMARKS/COMMENTS

This permit authorizes 0.75 cfs of groundwater for industrial use for a meat processing plant owned by CTI Foods located in Canyon County. Proof of beneficial use for the permit was originally due on November 1, 2015. On September 11, 2015 the Department received a request for extension of time for an additional 5 years of development due to CTI not yet achieving the maximum annual volume authorized under the permit. The proof due date was extended until November 1, 2020 and proof was filed by CTI on October 28, 2020. A field exam was conducted by WRA Tyler Smith, and accompanied by Bill Upson and Luke Lee. Bob Cooper was originally scheduled to accompany the field exam, but had an emergency that day and could not attend, but has provided information about the plant's water use via email.

The permit authorizes groundwater diversion via 5 wells. According to the application, 4 wells were existing and 1 was proposed. During the field exam, 5 wells were observed, 4 wells on the west side of the plant, and 1 well on the east side of the plant. The eastern well is used for irrigation of landscaping on the east side of the plant, but is also tied in and can provide water to the storage tanks if needed.

The four wells to the west of the plant are the main production wells. They are all equipped with 50 hp Berkeley 8T-950 pumps, and operate at 25 psi. These four wells are not often used at the same time, but can be if needed. The total capacity for diversion based on theoretical calculations and well pumping test rates is 3.10 cfs. Water is diverted from the wells to a water distribution building, with the pipes labeled which well the water is coming from, and then to 2 storage tanks. There is a bypass valve in the water distribution room so water can be pumped directly into the plant, but it is chained and locked and only used in the case of emergency.

The 2 storage tanks are 250,000 gallons each. This amount of storage falls under the 24-hour rule, and therefore no storage component is needed. Water initially flows into the eastern storage tank, which holds the fresh water. Water can then be pumped directly into the plant, or into the western storage tank. The water that is diverted to the western storage tank gets chlorinated and then pumped into the plant.

Water that goes from the storage tanks to the plant pass through an inline Aomacae flow meter, model number AE210MG, size 100. Quarterly readings of the flow meter are recorded and saved for record keeping purposes, recording all industrial water used. According to those records, the maximum quarterly volume of water diverted during the development period for this permit was 46,563,700 gallons over 92 days. This translates to an average annual volume of 566.9 acre-feet (AF) per year.

After water is used in the plant for industrial purposes, the wastewater is collected and processed in a dissolved air flotation (DAF) building. If there is excess wastewater, or if the DAF is not in operation, the wastewater is diverted to three settling ponds on the North West end of the property. 3 – 100 hp pumps then pump the wastewater a few miles from the plant to some pivots via buried pipes. The wastewater is pumped via 3 – 100 hp pumps to the pivots for land application.

The fields are primarily irrigated with canal water from Wilder Irrigation Company, as well as separate groundwater irrigation rights. Wastewater is typically only used during the shoulder season or when surface water is unavailable.

Water rights 63-10727 and 63-31640 overlap this permits points of diversion, and are both for industrial use for the plant. These two rights authorize a combined 1.34 cfs. The capacity for the water delivery system was calculated at 3.10 cfs, and therefore there is 1.76 cfs of capacity left for the system. Water right permit 63-33366 authorizes 0.75 cfs. The permit is limited to 0.75 cfs it was permitted for, and that is the rate that is the rate recommended for licensing.

63-10727 and 63-31640 combined authorize 439.4 AF for industrial use. The maximum average volume used by the plant during the development period was 566.9 AF. The additional 128 AF needed to reach the maximum volume is the recommended volume for licensing.

Water right 63-11254 also overlaps the east irrigation well for this permit. 63-11254 is essentially a supplemental groundwater right for irrigation of landscape around the plant. Water rights 63-10727, 63-11254 and 63-31640 have a combined limit of 1.34 cfs. The addition of new wells and pumps has increased the capacity for the water delivery system, and the system is capable of delivering the rate of all of these water rights combined. Therefore, no combined limit is recommended for this license.

The permit contained a condition that the water bearing zone to be appropriated be between 125 to 460 feet. According to well logs and information provided by the applicant's representative (SPF Water Engineering), it appears that the water bearing zone condition was complied with. This condition was entered as a text condition, but is identical to condition 930. Condition 930 guidance states that the condition should be carried forward to the license only when the diversion is within the area where ground water is tributary to the Boise River upstream from Star Bridge, the water bearing zone is entirely deeper than 200 feet, and the appropriated water bearing zone is within the proposed zone. Since the diversion is not within the area where ground water is tributary to the Boise River upstream from Star Bridge, and the water bearing zone is not entirely deeper than 200 feet, it is recommended that the condition is dropped at licensing.

Additionally, the permit contains condition 106 which requires compliance with applicable water quality permitting requirements from the Department of Environmental Quality (DEQ) and Department of Agriculture prior to diversion of water. Bob provided evidence that CTI has a waste water permit with DEQ, and the company sends DEQ annual reports of the wastewater usage. Therefore, the condition has been complied with, and it is recommended that the condition is dropped at licensing.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
INDUSTRIAL	01/01 to 12/31	0.75 CFS	128 AF

Totals: 0.75 CFS 128 AF

2. Recommended Amendments

Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above _____ Add P.U. as reflected above X None

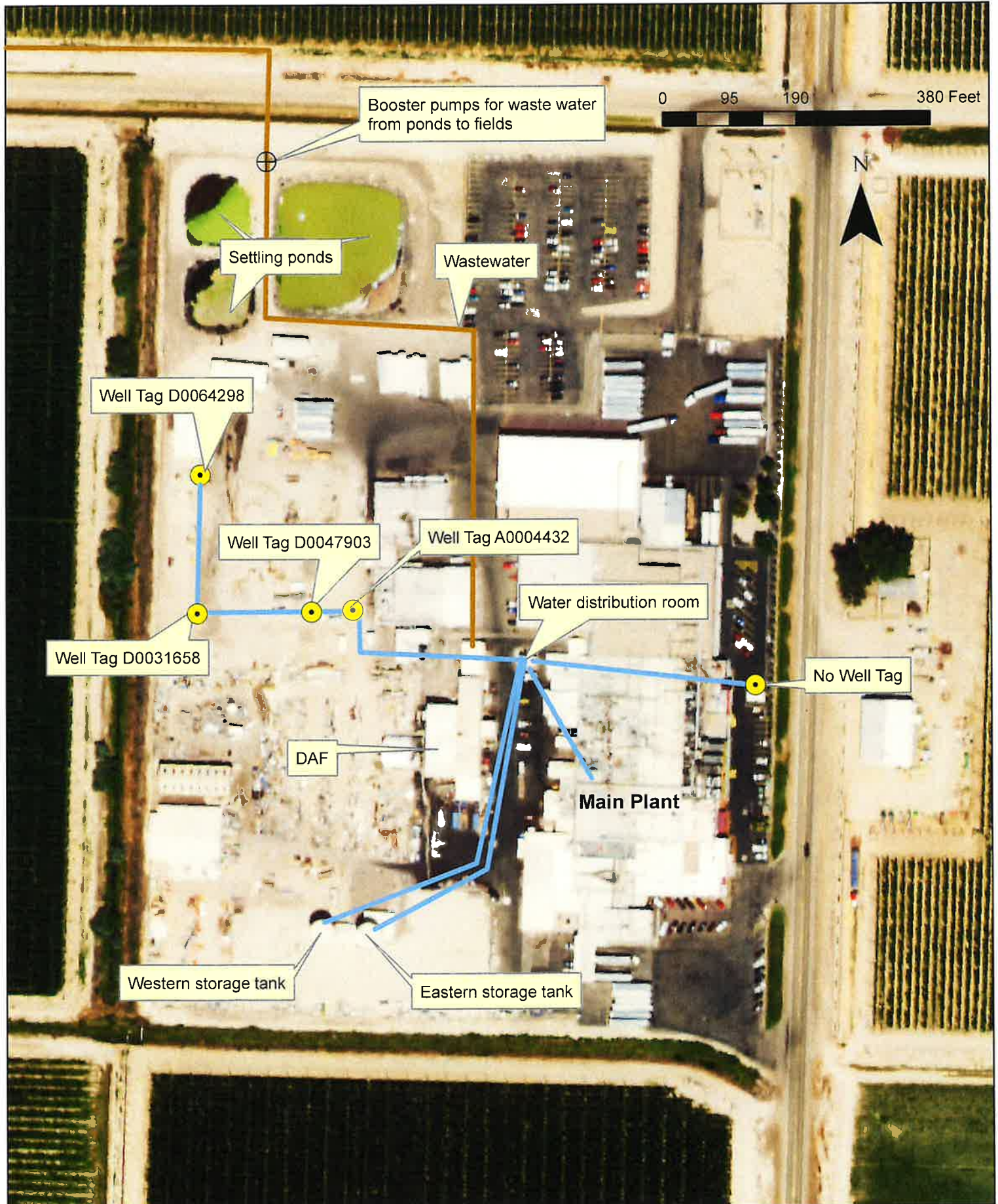
I. AUTHENTICATION

Tyler Smith - Water Resource Agent

Field Examiner's Name [Signature] Date 8/5/21

Reviewer HP Date 8/9/21

63-33366 Delivery System Diagram





Well Tag D0064298

Well Tag D0047903

No Well Tag

Well Tag D0031658

Well Tag A0004432

GROUNDWATER THEORETICAL ANALYSIS

D0064298

FILE: 63- 33366

DATE: 7/14/21

BY: TS

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (HP) \times (EFF.))}{TDH}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$$Q = \frac{(8.8 \times (50) \times (0.70))}{[(349) + (25 \times 2.31)]} = 0.76 \text{ cfs} = 341 \text{ GPM}$$

LIFT FROM:

Measurement ()

Owner ()

Area estimate ()

Well Logs (X)

PSI FROM:

Measurement ()

Owner (X)

Estimate ()

Owner Gage ()

Booster (Y) (N)

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

Berkeley 8T-950

REMARKS: Theoretical rate = 341 GPM

well log test rate = 380 GPM

GROUNDWATER THEORETICAL ANALYSIS

D0031658

FILE: 63- 33366

DATE: 7/14 /21

BY: TS

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (HP) \times (EFF.))}{TDH}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$$Q = \frac{(8.8) \times (\underline{50}) \times (0.70)}{[(\underline{280}) + (\underline{25} \times 2.31)]} = \underline{0.91 \text{ cfs} = 408 \text{ GPM}}$$

LIFT FROM:

Measurement ()

Owner ()

Area estimate ()

Well Logs (x)

Booster (Y) (N)

PSI FROM:

Measurement ()

Owner (x)

Estimate ()

Owner Gage ()

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

Berkeley BT-950

REMARKS: Theoretical rate = 408 GPM

Well log test rate = 400 GPM

GROUNDWATER THEORETICAL ANALYSIS

FILE: 63-33366

D0047903

DATE: 7/14/21

BY: TS

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (HP) \times (EFF.))}{TDH}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$$Q = \frac{(8.8 \times (50) \times (0.70))}{[(273) + (25 \times 2.31)]} = 0.93 \text{ cfs} = 417 \text{ GPM}$$

LIFT FROM:

Measurement ()

Owner ()

Area estimate ()

Well Logs (X)

Booster (Y) (N)

PSI FROM:

Measurement ()

Owner (X)

Estimate ()

Owner Gage ()

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

Berkeley BT-950

REMARKS: Theoretical rate = 417 GPM

Well log test rate = 400 GPM

GROUNDWATER THEORETICAL ANALYSIS

A0004432

or

D0002398

FILE: 63-33366

DATE: 7/14/21

BY: TS

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times \text{HP}) \times (\text{EFF.})}{\text{TDH}}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$$Q = \frac{(8.8) \times (\underline{50}) \times (0.70)}{[(\underline{153}) + (\underline{25}) \times 2.31]} = \underline{1.46 \text{ cfs} = 655 \text{ GPM}}$$

LIFT FROM:

Measurement ()

Owner ()

Area estimate ()

Well Logs (x)

Booster (Y) (N)

PSI FROM:

Measurement ()

Owner (x)

Estimate ()

Owner Gage ()

NOTES ON PUMP:

Motor Make, Serial or ID

Pump Make, Serial or ID, rating

Berkeley 8T-950

REMARKS: Theoretical rate = 655 GPM

Well log test rate = 250 GPM

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0064298

Drilling Permit No. 961 867-867929 ✓

Water right or injection well # _____

2. OWNER: CTI Foods c/o Dave Kubosumi

Name _____

Address 22303 Highway 95

City Wildier State ID Zip 83676

3. WELL LOCATION:

Twp. 04 North ☒ or South ☐ Rge. 05 East ☐ or West ☒

Sec. 10 1/4 NE 1/4 SE 1/4

Gov't Lot _____ County Canyon

Lat. 43 41' 47" N (Deg. and Decimal minutes)

Long. 116 54' 55" W (Deg. and Decimal minutes)

Address of Well Site 22303 Highway 95

City Wildier

(Give at least name of road - Distance to Road or Landmark)

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☒ Other Industrial

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Mud Rotary ☐ Cable ☒ Other Reverse

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
3/4" Chips	0	327	37,500lbs	Dry Pour
Neat Cement	327	361	14,000lbs	Trimie and Pump

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
14"	+2	385	.375	Steel	☒	☐	☐	☒
12"	376	385	.375	Steel	☒	☐	☐	☒
8"	385	401	.322	Steel	☒	☐	☐	☒
8"	431	432	.322	Steel	☒	☐	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type Johnson Wire Wrap

Method of installation One String Set

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
401	416	.030		8"	S.S	
416	431	.020		8"	S.S	

Length of Headpipe 25' Length of Tailpipe 1'

Packer ☒ Y ☐ N Type K-Packer

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
No. 6-9	382	417	2600	Pour
No. 10-20	417	433	1350	Pour

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 151 Static water level (ft) 151

Water temp. (°F) 67 Bottom hole temp. (°F) _____

Describe access port Baker Pittless

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
198	380	1440

Test method:

Pump	Bailer	Air	Flowing artesian
☒	☐	☐	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
24	0	9	Top Soil		X
24	9	13	Burnt Brown Clay		X
24	13	16	Caliche		X
24	16	19	Burnt Brown Clay		X
24	19	29	Coarse Sand and Gravel		X
24	29	35	Burnt Brown Clay		X
24	35	93	Hard Tan Clay		X
24	93	99	Coarse Brown Sand		X
24	99	133	Tan Clay		X
24	133	137	Coarse to Fine Sand		X
24	137	140	Tan Clay		X
24	140	176	Blue Clay		X
24	176	189	Fine to Med blue Sand	X	
24	189	220	Blue Clay		X
24	220	249	Fine To Med Blue Sand	X	
24	249	297	Blue Clay		X
24	297	305	Coarse Blue Sand	X	
24	305	333	Blue Clay		X
24	333	337	Fine Blue Sand	X	
24	337	370	Blue Clay		X
24	370	376	Fine To Coarse Blue Sand	X	
24	376	378	Blue Clay		X
24	378	383	Fine To Coarse Blue Sand	X	
24	383	391	Blue Clay		X
14	391	404	Blue Clay		X
14	404	423	Fine To Coarse Blue Sand	X	
14	423	431	Fine Blue Sand	X	
14	431	433	Blue Clay		X

Completed Depth (Measurable): 432'

Date Started: Mar 4, 2013

Date Completed: Jun 24, 2013

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Riverside Inc. Co. No. 333

*Principal Driller [Signature] Date 7/22/13

*Driller [Signature] Date 07/22/13

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required

RECEIVED

JUL 26 2013

WATER RESOURCES
WESTERN REGION

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Well ID No.	817597		
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	:	Long:	:

1. WELL TAG NO. D 0031658
 DRILLING PERMIT NO. 88346-817597
 Water Right or Injection Well No. 63-10727, 63-31640

2. OWNER:
 Name CTI-SSIT Food Services, LLC
 Address P.O. Box 700
 City Caldwell State ID Zip 83606

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 4 North ☒ or South ☐
 Rge. 5 East ☐ or West ☒
 Sec. 10 1/4 1/4 1/4
 Gov't Lot _____ County Canyon

Lat: _____ Long: _____
 Address of Well Site 22303 Hwy 95
 City Wilder

(Give at least one of road or landmark)
 Lt. _____ Blk. _____ Sub. Name SSIT Food Services Plant

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other Industrial

5. TYPE OF WORK check all that apply

☐ New Well ☐ Modify ☐ Abandonment ☐ Other Replacement

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other Reverse

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>Bentonite Chips</u>	<u>0</u>	<u>377'</u>	<u>40,000 lbs</u>	<u>Dry Pour</u>

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
 Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>10"</u>	<u>43</u>	<u>400'</u>	<u>.365</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____
 Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Wire Wrap Factory
 Screen Type & Method of Installation Johnson Wire Wrap

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>400'</u>	<u>430'</u>	<u>.030</u>		<u>10"</u>	<u>S.S.</u>	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>LSSE Sand</u>	<u>322'</u>	<u>444'</u>	<u>15,000 lbs</u>	<u>Dry Pour</u>

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

138 ft. below ground Artesian pressure _____ lb.
 Depth flow encountered _____ ft. Describe access port or control devices: Baker Well Cap.

12. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>400</u>	<u>152'</u>	<u>280'</u>	<u>8 hrs</u>

Water Temp. 76.2°F Bottom hole temp. _____

Water Quality test or comments: EC 360 pH 8.15

Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
	0	11'	Topsoil			
	11'	20'	Clay			
	20'	23'	Dark Clay			
	23'	34'	Gravel River Rock			
	34'	82'	Tan Clay			
	82'	84'	Med Sand			
	84'	154'	Brown Clay & Sand layers			
	154'	376'	Blue Clay & Sand layers			
	376'	402'	Blue Clay & Sand			
	402'	428'	Fine to Coarse Sand			
	428'	444'	Blue Clay sand (S&S)			

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AUG 12 2004

WATER RESOURCES
WESTERN REGION

Completed Depth 430' (Measurable)

Date: Started 6-22-04 Completed 7-15-04

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Riverside Inc. Firm No. 333

Principal Driller _____ Date _____

and Driller or Operator II _____ Date 8-10-04

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

845499

Office Use Only
Well ID No. 415582
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat: _____ Long: _____

1. WELL TAG NO. D 0047903
DRILLING PERMIT NO. 898773-845499
Water Right or Injection Well No. 63-10727, 63-31640

2. OWNER:
Name CTI-SSI FOOD SERVICES
Address 22303 HIGHWAY 95
City WILDER State ID Zip 83676

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp 4 North ☒ or South ☐
Rge 5 East ☐ or West ☒
Sec 10 1/4 NE 1/4 SE 1/4
Gov't Lot _____
County CANYON
Lat: _____ Long: _____
Address of Well Site 22303 HIGHWAY 95
City WILDER
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other INDUSTRIAL

5. TYPE OF WORK check all that apply

☐ New Well ☐ Modify ☐ Abandonment ☒ Other REPLACEMENT (Replacement etc.)

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☒ Other REVERSE

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>BENTONITE</u>	<u>0</u>	<u>405</u>	<u>47,500</u>	<u>DRY POUR</u>

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>14</u>	<u>+2</u>	<u>405</u>	<u>315</u>	<u>STEEL</u>	☒	☐	☒	☐
<u>6</u>	<u>401</u>	<u>411</u>	<u>.280</u>	<u>STEEL</u>	☒	☐	☒	☐
<u>6</u>	<u>441</u>	<u>451</u>	<u>.280</u>	<u>STEEL</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☒ Y ☐ N Type K-PACKER
TOP K-PACKER 395'

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____
Screen Type & Method of Installation JOHNSON WIRE WRAP

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>411</u>	<u>441</u>	<u>.030</u>		<u>6</u>	<u>S.S.</u>	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>3/8" PEA GRAVEL</u>	<u>391</u>	<u>455</u>	<u>6000</u>	<u>DRY POUR</u>

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

139 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____
BAKER MONITORING CAP

12. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
<u>400 gpm</u>	<u>134</u>	<u>273</u>	<u>8 hrs</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>24</u>	<u>0</u>	<u>4</u>	<u>TOP SOIL</u>		
	<u>4</u>	<u>10</u>	<u>SANDY LOAM</u>		
	<u>10</u>	<u>15</u>	<u>DRY CLAY</u>		
	<u>15</u>	<u>17</u>			
	<u>17</u>	<u>24</u>	<u>BURNT CLAY</u>		
	<u>24</u>	<u>31</u>	<u>SAND, GRAVEL</u>		
	<u>31</u>	<u>33</u>	<u>BRN CLAY</u>		
	<u>33</u>	<u>37</u>	<u>FINE SAND</u>		
	<u>37</u>	<u>108</u>	<u>CLAY</u>		
	<u>108</u>	<u>118</u>	<u>FINE SAND, GRAVEL</u>		
	<u>118</u>	<u>134</u>	<u>BRN CLAY, SAND LAYERS</u>		
	<u>134</u>	<u>143</u>	<u>MED. COARSE SAND, PEA GRAVEL</u>		
	<u>143</u>	<u>188</u>	<u>CLAY</u>		
	<u>188</u>	<u>194</u>	<u>FINE SAND, SM GRAVEL</u>		
	<u>194</u>	<u>222</u>	<u>BLUE CLAY w/SM SAND LAYER</u>		
	<u>222</u>	<u>251</u>	<u>FINE BLACK SAND</u>		
	<u>251</u>	<u>299</u>	<u>BLUE/GREY CLAY w/SAND LAYERS</u>		
	<u>299</u>	<u>309</u>	<u>COARSE SAND</u>		
	<u>309</u>	<u>356</u>	<u>BLUE/GREY CLAY w/SAND LAYERS</u>		
	<u>356</u>	<u>379</u>	<u>FINE-COARSE SAND w/CLAY LAYER</u>		
	<u>379</u>	<u>411</u>	<u>BLUE/GREY CLAY</u>		
	<u>411</u>	<u>453</u>	<u>FINE-COARSE SAND w/SM CLAY LAYER</u>		
	<u>453</u>	<u>455</u>	<u>GREY CLAY</u>		

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WATER RESOURCES
WESTERN REGION

Completed Depth 451' (Measurable)
Date: Started 3-1-07 Completed 4-16-07

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name RIVERSIDE INC Firm No. 333
Principal Driller [Signature] Date 5-14-07
and
Driller or Operator II [Signature] Date 5-14-07
Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

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Page 1 of 2

JAN 22 1999 IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

94478

11. WELL TESTS:

☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
400	136		6:00 6:15

Water Temp. 22.5° Bottom hole temp. _____
Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe rapels or abandonment!)

Sketch map location must agree with written location.


 Twp. 4 North ☒ or South ☐
 Rge. 5 East ☐ or West ☒
 Sec. 10 1/4 NE 1/4 SE 1/4
 Gov't Lot _____ County Canyon

Address of Well Site 22303
Highway 95 City Wilder
(Give at least name of road & distance to Road or Landmark)

Li. Bk. Sub. Name

12. LITHOLOGIC LOG: (Describe repairs or abandonment)					Water
Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		X
11	20	32	hardly Brown clay		X
11	32	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	323	Gray clay		
11	323	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	488	Fine To coarse sand		
11	488	520	Gray clay		
18	520	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
MICROFILMED					
MAR 08 1999					
Completed Depth 452 (Measurable)					
Date: Started 7-22-98 Completed 8-16-98					

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other Industrial

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		Y
11	20	37	Sandy Brown clay		X
11	37	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	322	Gray clay		
11	322	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	478	Fine To coarse sand		
11	478	560	Gray clay		
18	560	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
			MICROFILMED		

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☐ New Well ☐ Modify or Repair ☒ Replacement ☐ Abandonment

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		X
11	20	37	Sandy Brown clay		X
11	37	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	323	Gray clay		
11	323	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	488	Fine To coarse sand		
11	488	500	Gray clay		
18	560	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
			MICROFILMED		

MAR 08 1999

☐ Mud Rotary ☐ Air Rotary ☐ Cable ☒ Other Rotary

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		X
11	20	37	Sandy Brown clay		X
11	37	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	323	Gray clay		
11	323	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	488	Fine To coarse sand		
11	488	500	Gray clay		
18	560	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
			MICROFILMED		

MAR 08 1999

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From	To	Sacks or Pounds	
Ben tonite	0	275	42,000 lb	over bore
Colorado seal	275	390	43,000 lb	over bore
Ben tonite	390	440	4,000 lb	over bore
Colorado seal	440	490	4,000 lb	over bore

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) _____

Was drive shoe seal tested? ☒ Y ☐ N How? _____

Was drive shoe used? ☒ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? Y ☐ N ☐ How? _____

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		X
11	20	32	Sandy Brown clay		X
11	32	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	323	Gray clay		
11	323	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	488	Fine To coarse sand		
11	488	500	Gray clay		
18	560	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
			MICROFILMED		

MAR 08 1999

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
14"	+2	410	375	Steel	☒	☐	☒	☐
10"	392	412	365	Steel	☒	☐	☒	☐
10"	442	452	365	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		Y
11	20	37	Sandy Brown clay		X
11	37	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	323	Gray clay		
11	323	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	488	Fine To coarse sand		
11	488	500	Gray clay		
18	560	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
			MICROFILMED		

MAR 08 1999

☐ Perforations Method _____

☒ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	liner
412	432	.030		10"	SS	☒	☐
432	442	.035		10"	SS	☒	☐
						☐	☐

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		X
11	20	37	Sandy Brown clay		X
11	37	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	323	Gray clay		
11	323	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	488	Fine To coarse sand		
11	488	500	Gray clay		
18	560	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
			MICROFILMED		

MAR 08 1999

88 ft. below ground Artesian pressure _____ lb.
Depth ft. encountered _____ ft. Describe access port or
control devices: Baker P/Loss UNIT

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	0	12	Top Soil		X
28	12	20	hard Pan		Y
11	20	37	Sandy Brown clay		X
11	37	112	Brown clay		
11	112	118	Fine To coarse sand		
11	118	132	Brown clay		
11	132	142	Fine To coarse sand		
11	142	150	Brown clay		
11	150	186	Blue clay		
11	186	193	Fine Black Sand		
28	193	217	gray clay		
11	217	219	Fine To coarse sand		
11	219	222	gray clay		
11	222	247	Fine sand		
11	247	249	gray clay		
11	249	253	Fine sand		
11	253	300	Gray clay		
11	300	310	Fine To med sand		
11	310	323	Gray clay		
11	323	340	Fine sand		
11	340	375	gray clay		
11	375	387	Fine To coarse sand		
11	387	412	gray clay		
11	412	420	Fine To med sand		
11	420	422	gray clay		
11	422	488	Fine To coarse sand		
11	488	500	Gray clay		
18	560	577	Gray clay		
28	577	588	Sand & clay mixed		
	588	630	Gray clay		
			MICROFILMED		

MAR 08 1999

13. DRILLER'S CERTIFICATION

1/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Riverside Inc Firm No. 333

Firm Official _____ Date _____
and _____
Supervisor or Operator _____ Date 1-21-99

(Sign once if Firm Official & Operator)

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Form 238-7
7/94

JAN 22 1999

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Department of Water Resources

1. DRILLING PERMIT NO 63-98-W-0503-200Other IDWR No. 0000398

2. OWNER:

Name SSA Food ServicesAddress 22303 Highway 95City Wildor State ID Zip 83676

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E S

Twp. 4 North ☒ or South ☐
Rge. 5 East ☐ or West ☒
Sec. 1/4 NE 1/4 SE 1/4
Govt Lot 10 County Camden

Address of Well Site 22303 Highway 95 City Wildor
(Give at least name of road - Distance to Road or Landmark)

Lt. 1 Blk. 1 Sub. Name 1

4. PROPOSED USE:

- ☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other Industrial

5. TYPE OF WORK

- ☐ New Well ☐ Modify or Repair ☒ Replacement ☐ Abandonment

6. DRILL METHOD

- ☐ Mud Rotary ☐ Air Rotary ☐ Cable ☒ Other Reverse Rotary

7. SEALING PROCEDURES

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	275	42,000	over bore
colored Sand	275	390	42,000	over bore
Bentonite	390	400	1,000	over bore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____Was drive shoe seal tested? Y ☐ N ☐ How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8"	42	298	322	Steel	☒	☐	☒	☐
6"	308	331	350	Steel	☒	☐	☐	☐
4"	341	375		Steel	☒	☐	☒	☐

Length of Headpipe 385 Length of Tailpipe _____

9. PERFORATIONS/SCREENS

- ☐ Perforations Method _____
☒ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
298	308	.020		6"	SS	☒	☐
331	341	.030		6"	SS	☒	☐
375	385	"		6"	SS	☒	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

92 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or

control devices: Sanitary Well Cap

Page 2 of 2

OFFICE USE ONLY
Inspected by _____
Ball Point Pen
Type 04 Page 05 Sec 10

11. WELL TESTS:

Yield gal/min	Drawdown	Pumping code	Time
<u>250</u>	<u>61</u>		<u>6 hrs</u>

Water Temp. 71° Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
			Same AS Page 1		

MICROFILMED
MAR 08 1999

Completed Depth 390 (Measurable)
Date: Started 7-22-98 Completed 8-16-98

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Riverside Inc. Firm No. 333Firm Official [Signature] Date _____and Supervisor or Operator [Signature] Date 1-21-99

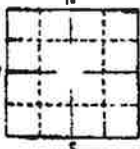
(Sign once if Firm Official & Operator)

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DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

BALDPOINT PEN

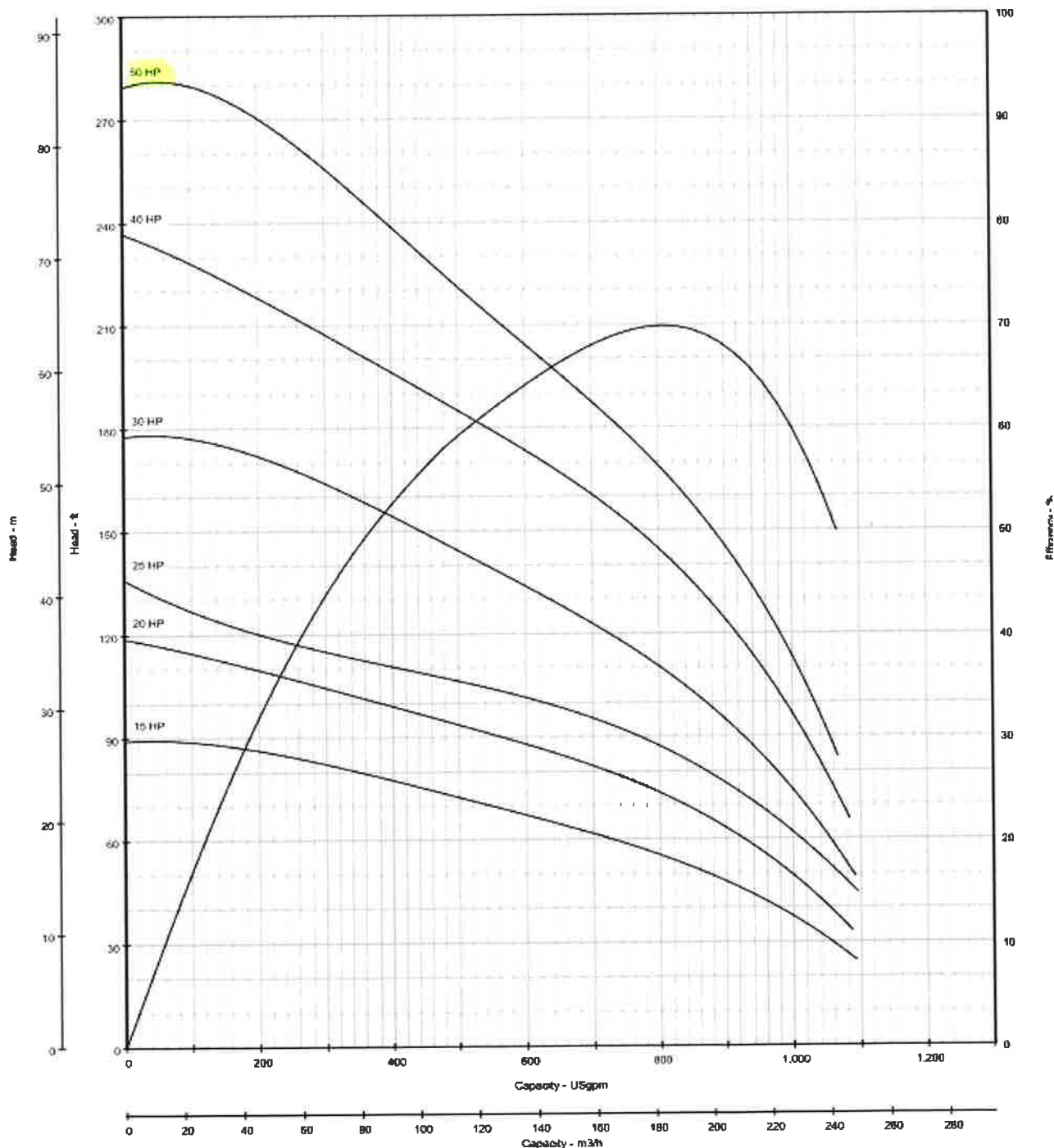
1. WELL OWNER Name <u>S.S.T. Food Service INC.</u> Address <u>Highway 95 North, Wilder, IDAHO 83476</u> Owner's Permit No. _____	7. WATER LEVEL Static water level _____ feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ OF Quality _____ Describe stratum at temperature zones below																																															
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandonment (describe abandonment procedures such as material, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☒ Bailer ☒ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">60</td> <td style="text-align: center;">150</td> <td style="text-align: center;">2</td> </tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	60	150	2																																									
Discharge G.P.M.	Pumping Level	Hours Pumped																																														
60	150	2																																														
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☒ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Bore Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th rowspan="2">Water Yes No</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>0</td> <td>3</td> <td>TOP SOIL</td> <td></td> </tr> <tr> <td>18</td> <td>3</td> <td>18</td> <td>HARD PAN - SOFT</td> <td></td> </tr> <tr> <td>18</td> <td>18</td> <td>25</td> <td>Medium GRAVEL - COARSE SAND</td> <td></td> </tr> <tr> <td>18</td> <td>25</td> <td>68</td> <td>COARSE SAND - FINE SAND</td> <td></td> </tr> <tr> <td>18</td> <td>68</td> <td>120</td> <td>YELLOW CLAY - STREAKS OF SAND</td> <td></td> </tr> <tr> <td>18</td> <td>120</td> <td>130</td> <td>YELLOW CLAY</td> <td></td> </tr> <tr> <td>18</td> <td>130</td> <td>195</td> <td>COARSE SAND</td> <td></td> </tr> <tr> <td>18</td> <td>195</td> <td>199</td> <td>YELLOW CLAY WITH STREAKS OF SAND</td> <td></td> </tr> </tbody> </table>	Bore Diam.	Depth		Material	Water Yes No	From	To	18	0	3	TOP SOIL		18	3	18	HARD PAN - SOFT		18	18	25	Medium GRAVEL - COARSE SAND		18	25	68	COARSE SAND - FINE SAND		18	68	120	YELLOW CLAY - STREAKS OF SAND		18	120	130	YELLOW CLAY		18	130	195	COARSE SAND		18	195	199	YELLOW CLAY WITH STREAKS OF SAND	
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dip ☐ Other _____																																																
5. WELL CONSTRUCTION Casing schedule ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>2.50 inches</td> <td>8 inches</td> <td>2 feet</td> <td>125 feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Piped from _____ feet to _____ feet Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☒ Puddling clay ☐ _____ Sealing procedure used: ☒ Shrink pit ☐ Temp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent ☐ Cemented between strata Describe access port <u>SANITARY - WELL - SEAL</u>	Thickness	Diameter	From	To	2.50 inches	8 inches	2 feet	125 feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet																
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6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County _____ _____ W _____ N. Sec. _____, T. _____ N/S. R. _____ E/W.	10. DRIVER'S CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Baldpoint Well Drilling</u> Firm No. <u>333</u> Address <u>Box 191 - Adrian</u> Date <u>1-9-87</u> Signed by (Firm Official) <u>Bruce Daugherty</u> and <u>Bruce Daugherty</u> (Operator)																																															

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT



MODEL	8T-950 (15HP - 50H)
CURVE	
DATE	8T-9

Nominal RPM: 3500
Based on Fresh Water @ 68 deg. F
Maximum Working Pressure: 266 PSI



Department of Water Resources

Beneficial Use Field Exam

BasinSequence	Owner	Source	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
63-10579	BORAH PEAK FARMS LLC; GOODING FAMILY FARMS LLC; GOO	GROUND WATER		X														
63-10727	CTI SSI FOOD SERVICES LLC	GROUND WATER													X			
63-11254	CTI SSI FOOD SERVICES LLC; SSI FOOD SERVICES INC	GROUND WATER													X			
63-11474	RIM RANCHES INC; T O INVESTMENTS LLC	GROUND WATER																X
63-11551	RIM RANCHES INC	GROUND WATER																X
63-11698	DILLER MILLER LAND CO LLC ; PAULSEN FARMS	GROUND WATER												X				
63-12329	DILLER MILLER LAND CO LLC ; PAULSEN FARMS	GROUND WATER												X				
63-21468	PAULSEN, ALBERT W	GROUND WATER												X				
63-27366	HOLTON, BONNIE; HOLTON, ROBERT D	GROUND WATER										X						
63-28588	KARN, GLENN; KARN, HELEN	GROUND WATER				X												
63-29024	DEVLIN, DANA K; DEVLIN, VIRGINIA; KIDMAN, JO ANN; MORG	GROUND WATER															X	
63-31640	CTI SSI FOOD SERVICES LLC	GROUND WATER													X			
63-33366	CTI SSI FOOD SERVICES LLC; SPF WATER ENGINEERING LLC	GROUND WATER													X			
63-33801	AXA EQUITABLE LIFE INSURANCE CO; BATT, FREDERICK C; BAT	GROUND WATER								X								
63-4567	HOPKINS, ANDY; HOPKINS, IRENE	GROUND WATER						X										

= this right

= overlapping right

Beneficial Use Field Exam

TRS	BasinSequence	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	TotalAcres
04N05W8	63-10727	CTI SSI FOOD SERVICES LLC	GROUND WATER	INDUSTRIAL									X	X	X	X			X		
04N05W8	63-11243	AGLAND INC	GROUND WATER	IRRIGATION									31	31	31	31					124
04N05W8	63-11621	GEERTSON, JANICE; GEERTSON, PATRICK D; TOWNSEND, MATTHEW	GROUND WATER	IRRIGATION													35.3				35.3
04N05W8	63-136	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-137B	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-200A	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-2106	UNITED STATES OF AMERICA ACTING THROUGH	FIVEMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-233K	AMERICAN DITCH CO; BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-23773	ROBERSON, ALICE; ROBERSON, ALVIN; TRUNNELL, SHARON L; TRUNNELL,	GROUND WATER	DOMESTIC													X				
04N05W8	63-23773	ROBERSON, ALICE; ROBERSON, ALVIN; TRUNNELL, SHARON L; TRUNNELL,	GROUND WATER	STOCKWATER													X				
04N05W8	63-2388A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-2392F	BOISE PROJECT BOARD OF CONTROL	WASTE WATER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-251A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-26610	TARR, BERTHA M; TARR, LARRY T	GROUND WATER	DOMESTIC																X	
04N05W8	63-301A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-302A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-31640	CTI SSI FOOD SERVICES LLC	GROUND WATER	INDUSTRIAL									X	X	X	X			X		
04N05W8	63-33251	BOISE PROJECT BOARD OF CONTROL	INDIAN CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-33253	BOISE PROJECT BOARD OF CONTROL	TENMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W8	63-33366	CTI SSI FOOD SERVICES LLC; SPF WATER ENGINEERING LLC	GROUND WATER	INDUSTRIAL									X	X	X	X			X		
04N05W8	63-373A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-10579	BORAH PEAK FARMS LLC; GOODING FAMILY FARMS LLC; GOODING FARM	GROUND WATER	IRRIGATION	39	39															78
04N05W10	63-10727	CTI SSI FOOD SERVICES LLC	GROUND WATER	INDUSTRIAL													X				
04N05W10	63-11254	CTI SSI FOOD SERVICES LLC; SSI FOOD SERVICES INC	GROUND WATER	IRRIGATION													23				23
04N05W10	63-11474	RIM RANCHES INC; T O INVESTMENTS LLC	GROUND WATER	IRRIGATION													8	37		24	69
04N05W10	63-11698	DILLER MILLER LAND CO LLC ; PAULSEN FARMS	GROUND WATER	IRRIGATION									38			37					
04N05W10	63-136	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-137B	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-200A	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-2106	UNITED STATES OF AMERICA ACTING THROUGH	FIVEMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-21468	PAULSEN, ALBERT W	GROUND WATER	DOMESTIC												X					
04N05W10	63-233K	AMERICAN DITCH CO; BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-2388A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-2392F	BOISE PROJECT BOARD OF CONTROL	WASTE WATER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-251A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-27366	HOLTON, BONNIE; HOLTON, ROBERT D	GROUND WATER	DOMESTIC									X								
04N05W10	63-28588	KARN, GLENN; KARN, HELEN	GROUND WATER	DOMESTIC				X													
04N05W10	63-29024	DEVILIN, DANA K; DEVILIN, VIRGINIA; KIDMAN, JO ANN; MORGAL, MARGA	GROUND WATER	DOMESTIC															X		
04N05W10	63-301A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-302A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-31640	CTI SSI FOOD SERVICES LLC	GROUND WATER	INDUSTRIAL													X				

04N05W10	63-33251	BOISE PROJECT BOARD OF CONTROL	INDIAN CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-33253	BOISE PROJECT BOARD OF CONTROL	TENMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-33366	CTI SSI FOOD SERVICES LLC; SPF WATER ENGINEERING LLC	GROUND WATER	INDUSTRIAL												X				
04N05W10	63-33801	AXA EQUITABLE LIFE INSURANCE CO; BATT, FREDERICK C; BATT, NORMAN	GROUND WATER	IRRIGATION								36								36
04N05W10	63-373A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W10	63-4567	HOPKINS, ANDY; HOPKINS, IRENE	GROUND WATER	DOMESTIC					X											
04N05W17	63-10727	CTI SSI FOOD SERVICES LLC	GROUND WATER	INDUSTRIAL	X	X	X		X	X	X	X								
04N05W17	63-136	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-137B	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-19711	JOHNSON, VIVIAN E; JOHNSON, WAYNE M	GROUND WATER	DOMESTIC													X			
04N05W17	63-19711	JOHNSON, VIVIAN E; JOHNSON, WAYNE M	GROUND WATER	STOCKWATER													X			
04N05W17	63-19712	JOHNSON, VIVIAN E; JOHNSON, WAYNE M	GROUND WATER	DOMESTIC													X			
04N05W17	63-19712	JOHNSON, VIVIAN E; JOHNSON, WAYNE M	GROUND WATER	STOCKWATER													X			
04N05W17	63-200A	BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT BOARD OF CONTROL;	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-2106	UNITED STATES OF AMERICA ACTING THROUGH	FIVEMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-23343	CARR, GLADYS; CARR, RICHARD H	GROUND WATER	DOMESTIC															X	
04N05W17	63-23343	CARR, GLADYS; CARR, RICHARD H	GROUND WATER	STOCKWATER															X	
04N05W17	63-233K	AMERICAN DITCH CO; BARKER ROSHOLT & SIMPSON LLP; BOISE PROJECT	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-2388A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-23924	ULRICH, JACK; ULRICH, OLIVE; WHITMIRE, LEON; WHITMIRE, LOIS	GROUND WATER	DOMESTIC															X	
04N05W17	63-23924	ULRICH, JACK; ULRICH, OLIVE; WHITMIRE, LEON; WHITMIRE, LOIS	GROUND WATER	STOCKWATER															X	
04N05W17	63-2392F	BOISE PROJECT BOARD OF CONTROL	WASTE WATER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-24033	BEEM, JEFF; BEEM, STACY; STEWART, ANNIE; STEWART, CLYDE	GROUND WATER	DOMESTIC				X												
04N05W17	63-251A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-25856	BLEDSE, DEAN; BLEDSE, KATHY	GROUND WATER	DOMESTIC													X			
04N05W17	63-25856	BLEDSE, DEAN; BLEDSE, KATHY	GROUND WATER	STOCKWATER													X			
04N05W17	63-26737	WASHINGTON FEDERAL SAVING & LOAN ASSN	GROUND WATER	DOMESTIC													X			
04N05W17	63-26737	WASHINGTON FEDERAL SAVING & LOAN ASSN	GROUND WATER	STOCKWATER													X			
04N05W17	63-27478	ENSLEY, EVELYN; ENSLEY, EVERETT	GROUND WATER	DOMESTIC															X	
04N05W17	63-27478	ENSLEY, EVELYN; ENSLEY, EVERETT	GROUND WATER	STOCKWATER															X	
04N05W17	63-301A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-30265	RODRIGUEZ, FRANCISCO A; THOMPSON, EARL	GROUND WATER	DOMESTIC													X			
04N05W17	63-30285	PATCHETT, DEBRA L; PATCHETT, MICHAEL L	GROUND WATER	DOMESTIC																
04N05W17	63-302A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-31640	CTI SSI FOOD SERVICES LLC	GROUND WATER	INDUSTRIAL	X	X	X		X	X	X	X								
04N05W17	63-33251	BOISE PROJECT BOARD OF CONTROL	INDIAN CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-33253	BOISE PROJECT BOARD OF CONTROL	TENMILE CREEK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04N05W17	63-33366	CTI SSI FOOD SERVICES LLC; SPF WATER ENGINEERING LLC	GROUND WATER	INDUSTRIAL	X	X	X		X	X	X	X								
04N05W17	63-3587	AGLAND INC; CTI SSI FOOD SERVICES LLC; TRUNNELL, GERALD	GROUND WATER	IRRIGATION		38	36		40	39	39	40								232
04N05W17	63-373A	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

= this right

= overlapping right



Fig. 1 – Well tag
ID #D0064298
GPS'd at

43°41'47" N

116°54'55" W

According to
Bob, all 5 wells
are equipped
with Berkely 8T-
950, 50 HP
pumps.



Fig. 2 – Well tag
ID #D0064298 has
a 14" casing from
2-385 ft, 12"
casing from 376-
385 ft, and 8"
casing from 385-
401; 431-432 ft
bsl.



Fig. 3 – Well
tag ID
#D0031658
GPS'd at
43°41'45" N
116°54'55" W



Fig. 4 - Well tag
ID #D0031658
has a 10" casing
from 3-400 ft
bsl. All 5 wells
feed water into
the storage
tanks which
then deliver
water to the
plant.



Fig. 5 – Well tag
ID #D0047903
GPS'd at
43°41'45"N
116°54'52"W



Fig. 6 - Well tag
ID #D0047903
has a 14" casing
from 2-405 ft,
6" from 401-
411; 441-451 ft
bsl.



Fig. 7 – Well tag ID
#A0004432 GPS'd
at

43°41'45"N

116°54'52"W

No well log could be found matching the Well tag ID#. According to the application, the well driller's report for this 1998 well describes a 14" cased well and an 8" cased well. The 14" well has been abandoned and the 8" well continues to be used.



Fig. 8 – Well
with no metal
tag to the east
of the plant.
The well log
submitted with
the application
states this is an
8" cased well
drilled in 1987.



Fig. 9 – Water from the wells comes in from the right side of the picture and goes to the storage tanks. Water comes from the storage tanks via the pipe on the left side of the picture and goes to the plant.

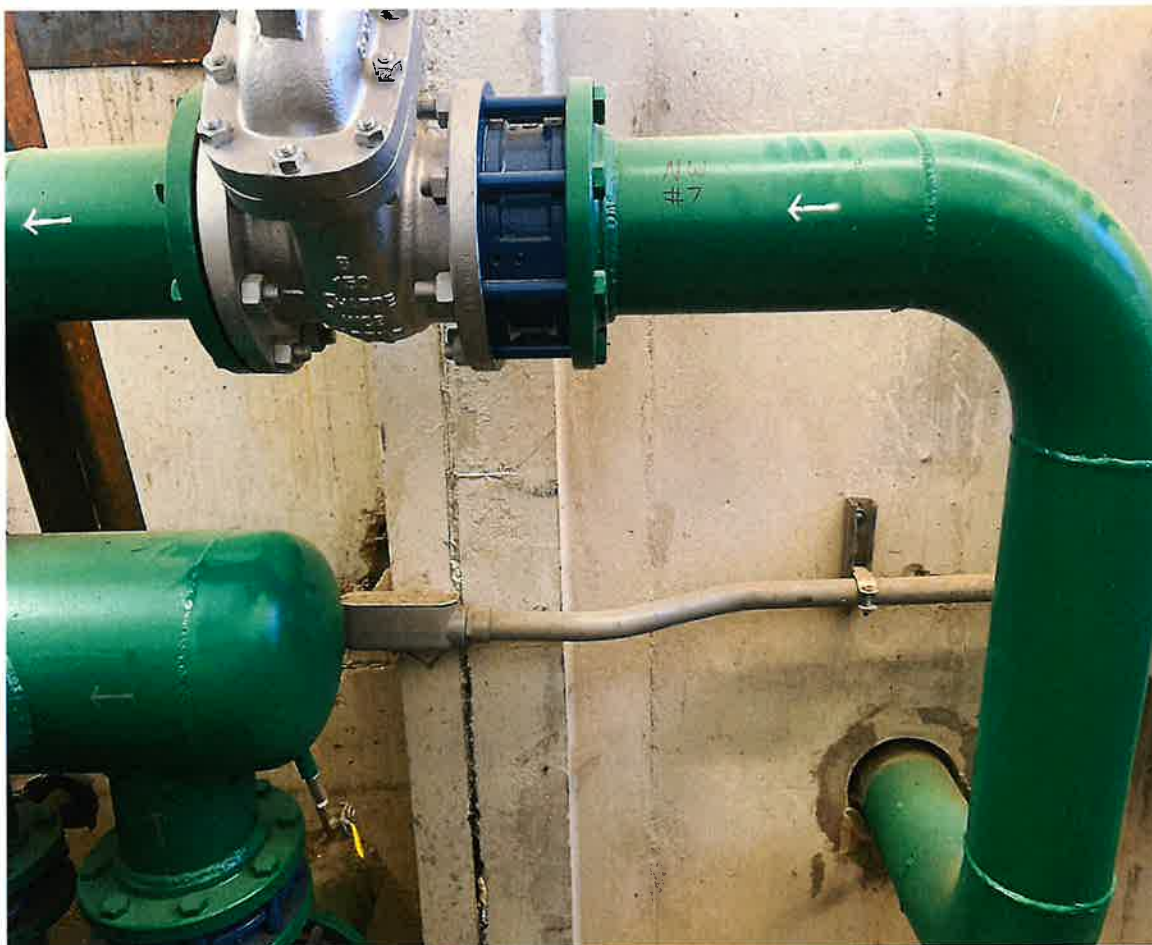


Fig. 10 – Each pipe is labeled with which well it is coming from when going to the storage tanks.



Fig. 11 - Each pipe is labeled with which well it is coming from when going to the storage tanks.



Fig. 12 – There is a bypass valve from the wells directly to the plant which is always closed and locked according to plant operators.



Fig. 13 –
Writing
indicating flow
direction of
water in pipes
to the storage
tanks.



Fig. 14 –
Close up of
pipe coming
from storage
tanks to
plant.

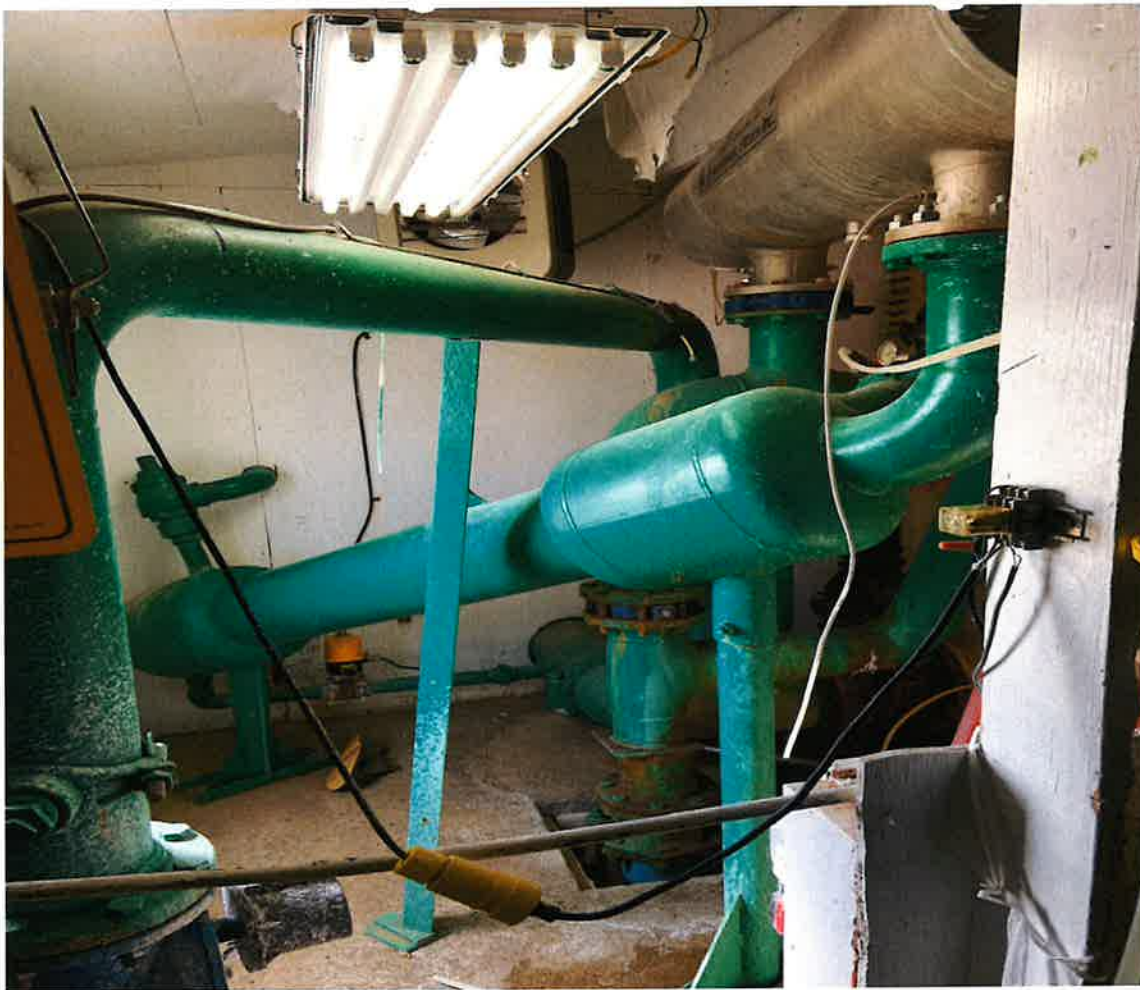


Fig. 15 – View of pipes from eastern storage tank (shown) to western tank. This tank holds fresh water.



Fig. 16 - View of pipes from eastern storage tank delivering water to the western storage tank. This tank holds chlorinated water used during cleaning of the plant.



Fig. 17 – Pipes shown are both from wells to eastern tank and outflow from eastern tank to the plant. The flowmeter is also shown.

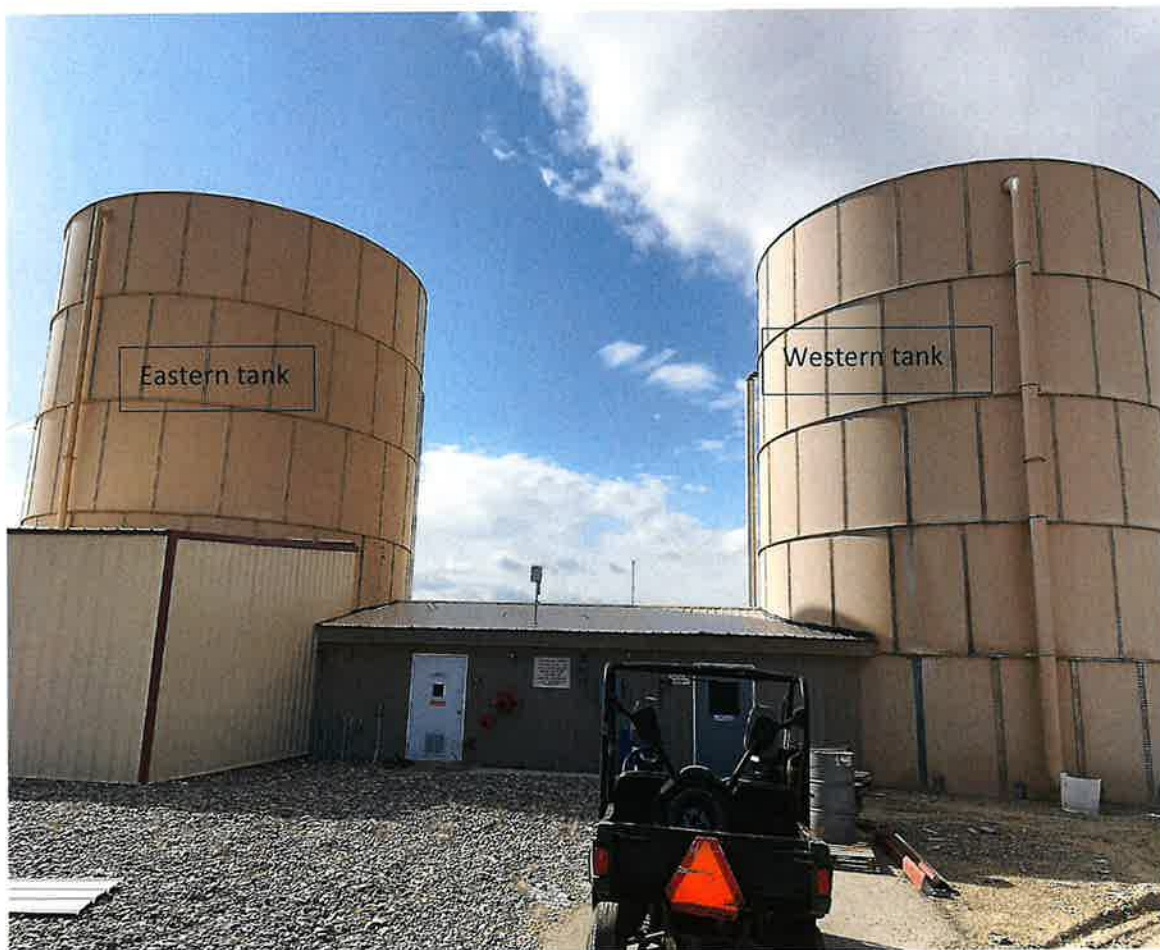


Fig. 18 – View of both storage tanks looking south. Each tank is 250,000 gals.



Fig. 19 – Waste water from settling ponds and plant is pumped to the pivot sites using the 3, 25 hp pumps shown.



Fig. 20 – View of the eastern settling pond, which is the largest of the ponds.



Fig. 21 – View of the two western settling ponds. Settling ponds are reserved for use when DAF building is not operating.



Fig. 22 – Three 100 hp pumps deliver the waste water to the pivots.



Fig. 23 – View
of field
irrigated with
waste water
from plant.



Fig. 24 – View
of field
irrigated with
waste water
from plant.