

Kansas Department of Agriculture
Division of Water Resources
PERMIT OF NEW APPLICATION WORKSHEET

1. File Number: <p style="text-align: center;">50,168</p>	2. Status Change Date: <p style="text-align: center;">3/13/2019</p>	3. Field Office: <p style="text-align: center;">01</p>	4. GMD: <p style="text-align: center;">0</p>
5. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return			
6. Enclosures: <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N of C Form <input type="checkbox"/> Water Tube <input type="checkbox"/> Driller Copy <input checked="" type="checkbox"/> Meter			
<p>7a. Applicant(s) New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID 59652 Add Seq# _____</p> <p style="text-align: center;">OHLDE DAIRY LLC 1814 9TH RD LINN KS 66953</p>	<p>7c. Landowner(s) New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID 54425 Add Seq# _____</p> <p style="text-align: center;">VERNON H & SYLVIA Y MAI PO BOX 341 LINN KS 66953</p>		
<p>7b. Landowner(s) New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID 66515 Add Seq# _____</p> <p style="text-align: center;">CYNTHIA OHLDE 898 QUIVIRA RD LINN KS 66953</p>	<p>7d. Landowner(s) New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID 66497 Add Seq# _____</p> <p style="text-align: center;">OHLDE LEGACY LAND LP 1814 9TH ROAD LINN KS 66953</p>		
<p>8. WUR Correspondent New to system <input type="checkbox"/> Overlap File (s) WUC Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: right;">Person ID _____ Add Seq# _____ Notarized WUC Form <input type="checkbox"/></p> <p>7a.</p>	<p>9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water</p> <p><input checked="" type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN</p> <p><input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON</p> <p><input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG</p> <p><input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____</p>		
10. Completion Date: <u>12/31/2020</u> 11. Perfection Date: <u>12/31/2024</u> 12. Exp Date: _____			
13. Conservation Plan Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date Required: _____ Date Approved: _____ Date to Comply: _____			
14. Water Level Measuring Device? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date to Comply: _____ Date WLMD Installed: _____			
Date Prepared: 1/2/2019 By: DWS Date Entered: 3/13/2019 By: CM			

File No. **50,168** 15. Formation Code: 330 Drainage Basin: **LITTLE BLUE RIVER** County: WS Special Use: Stream:

16. Points of Diversion										17. Rate and Quantity MOD ADDL QTY				
T MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Authorized		Additional			
									Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files	
√	86739	NC NW	24	4	3E	3	3875	3825	300	298.8	300	244.2	25,272 & 46,867	

18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

19. Limitation: **301.2** af/yr at _____ gpm (_____ cfs) when combined with file number(s) **25,272** _____
 Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

20. Meter Required? Yes No To be installed by **12/31/2020** Date Acceptable Meter Installed _____

21. Place of Use										NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files
T MOD DEL ENT	PUSE	S	T	R	ID	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼								
MOD	69203	13	4	3E	1									34	34	34	34					136	7b & c.	NO	25,272*				
√	23658	24	4	3E	1					35	10	37	33									115	7d.	NO	25,272*				

Comments: ***CHANGE IN PLACE OF USE ON SENIOR FILE TO CREATE COMPLETE OVERLAP.**

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources
MEMORANDUM

TO: Files

DATE: January 28, 2019

FROM: Doug Schemm

RE: Application, File No. 50,168

Ohlde Dairy LLC has filed the referenced new application to appropriate 298.8 acre-feet of groundwater from an existing well at a rate of 300 gallons per minute for irrigation use on 251 acres. The well is currently authorized under File Nos. 25,272 and 46,867 and is in the Northwest Quarter of Section 24, Township 4 South, Range 3 East, Washington County, within the Little Blue River Drainage Basin. The place of use is owned by Cynthia Ohlde, Vernon & Sylvia Mai, and Ohlde Legacy Land LP. A representative of the applicant has signed the application form stating they have access to the point of diversion. Water Right, File No. 25,272 will overlap in Place of Use upon approval of a change application. Note that File No. 46,867 is for Stockwatering Use and overlaps in point of diversion only.

The applicant was assisted by Topeka Field Office staff in filing this new application and the Change Application for File No. 25,272, after it was determined that ground being irrigated by a pivot in the SW $\frac{1}{4}$ of Sec. 13 was not authorized under any water right.

Water Right, File No. 25,272 is authorized 57 acre-feet at 135 gallons per minute. The requested quantity of water of 298.8 acre-feet is slightly less than the maximum allowable (301.2 acre-feet) to irrigate the proposed acreage with 1.2 acre-feet per acre in Washington County. This application will be limited in quantity to 301.2 acre-feet with the senior file for irrigation use, providing an additional 244.2 acre-feet of water (301.2 AF – 57 AF). Rate will be all additional.

The applicant did not identify any wells within one-half mile. A review of the WRIS database and aerial photos support this, with no potential domestic wells (e.g. homes or buildings) within one-half mile of the existing well. No nearby notification letters are required. The nearest non-domestic well (also owned by the applicant) is over 2,700 feet away. The point of diversion meets minimum well spacing criteria to all existing wells per the requirements in K.A.R. 5-4-4 for the unconfined Dakota aquifer system. It is located over $\frac{1}{2}$ mile from the nearest non-domestic well, and over 1,320 feet from the nearest domestic well.

The well proposed under this application shows shallow sandstone layers at 10 feet, 27 feet, and 59 feet below ground surface, with a static water level of 40 feet, indicating the unconfined Dakota aquifer system is the source. This is also consistent with the applicant's senior file No. 47,836 located just over one-half mile to the north. A well log submitted with File No. 47,836 showed a shallow sandstone unit encountered from 20 to 30 feet below ground, with the primary aquifer (sandstone) extending from 80 feet to 118 feet below ground surface, where shale was encountered, and which continued to bottom of hole at 140 feet below ground surface. It is important to note that groundwater was encountered during drilling at the top of the shallow sandstone unit (20 feet depth).

K.A.R. 5-3-11 applies to safe yield evaluations for all unconfined aquifers. One of the specific criteria is to determine the extent of the unconfined aquifer, which is limited to the extent of the unconfined Dakota aquifer system within the two-mile circle. A review of area well logs shows that there is no sandstone aquifer in the eastern portion of the circle, with wells in those areas likely producing from the Sumner Group shales and limestones. Therefore, this eastern portion was truncated out of the circle, providing an area of consideration of 6,590 acres. With 2.9 inches of recharge and 100% of recharge available, safe yield was determined to be 1,592.6 acre-feet. Existing water rights have appropriated 359.44 acre-feet, leaving 1,233.16 acre-feet available, and the application meets safe yield criteria.

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. If any chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed.

Ohlde Dairy Memorandum
File No. 50,168
Page 2

In a January 15, 2019 discussion, Katie Tietsort, Water Commissioner, Topeka Field Office, recommended approval of the referenced new application. Based on the above discussion, well spacing and safe yield criteria are met, and approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced new application be approved in conjunction with the Change in Place of Use for File No. 25,272.

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www.agriculture.ks.gov



900 SW Jackson, Room 456
Topeka, KS 66612
785-296-3556

Mike Beam, Acting Secretary

Laura Kelly, Governor

OHLDE DAIRY LLC
1814 9TH RD
LINN KS 66953

March 15, 2019

FILE COPY

Re: Appropriation of Water, File No. 50,168

Dear Sir or Madam:

There is enclosed a permit to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the location specified in the permit, and to use it for the purpose and at the location described in the permit.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approval documents. A water meter is required on the proposed diversion works and you must install it prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meter should be used to provide the information required on the annual water use report.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. Enclosed is a form which may be used to notify the Chief Engineer that the proposed diversion works have been completed.

All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00. There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water right. If you have any questions, please contact our office. If you wish to discuss this specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws
Enclosures

pc: Topeka Field Office
Cynthia Ohlde
Vernon H & Sylvia Y Mai
Ohlde Legacy Land LP

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Acting Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

**APPROVAL OF APPLICATION
and
PERMIT TO PROCEED**

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, File No. 50,168 of the applicant

**OHLDE DAIRY LLC
1814 9TH RD
LINN KS 66953**

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **November 19, 2018**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL	
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼		
13	4S	3E																		136
24	4S	3E					35	10	37	33										115

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well located near the center of the Northwest Quarter (NW¼) of Section 24, more particularly described as being near a point 3,875 feet North and 3,825 feet West of the Southeast corner of said section, in Township 4 South, Range 3 East, Washington County, Kansas, located substantially as shown on the topographic map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **300 gallons per minute (0.67 c.f.s.)** and to a quantity not to exceed **298.8 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2020** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2024** or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.

13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with the Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

14. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

16. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

17. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

CERTIFICATE OF SERVICE

On this 15th day of March, 2019, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 50,168, dated March 13, 2019 was mailed postage prepaid, first class, US mail to the following:

OHLDE DAIRY LLC
1814 9TH RD
LINN KS 66953

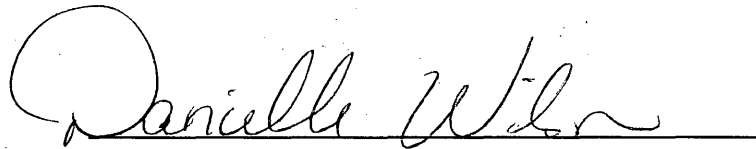
With photocopies to:

CYNTHIA OHLDE
898 QUIVIRA RD
LINN KS 66953

VERNON H & SYLVIA Y MAI
PO BOX 341
LINN KS 66953

OHLDE LEGACY LAND LP
1814 9TH ROAD
LINN KS 66953

Topeka Field Office

A handwritten signature in cursive script, reading "Danielle Wilson", is written over a horizontal line.

Division of Water Resources

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 5068
This item to be completed by the Division of Water Resources.

Water Resources
Received

NOV 19 2018
12:18
KS Dept Of Agriculture

APPLICATION COMPLETE
3/7/19
Reviewer KAB

**APPLICATION FOR PERMIT TO
APPROPRIATE WATER FOR BENEFICIAL USE**
Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Ohlde Dairy LLC
Address: 1814 9TH Rd
City: Linn State KS Zip Code 66953
Telephone Number: () _____

2. The source of water is: surface water in _____ (stream)
OR groundwater in Little Blue River Basin (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources. 298.8

3. The maximum quantity of water desired is ~~100~~ 298.8 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 250 300 gallons per minute OR ~~606~~ 66 cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) Artificial Recharge (b) Irrigation (c) Recreational (d) Water Power
(e) Industrial (f) Municipal (g) Stockwatering (h) Sediment Control
(i) Domestic (j) Dewatering (k) Hydraulic Dredging (l) Fire Protection
(m) Thermal Exchange (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:		F.O. <u>1</u> <u>GMD</u> <u>0</u> Meets K.A.R. 5-3-1 (YES / NO) Use <u>1RR</u> Source <u>(G) S</u> County <u>WS</u> By <u>DAW</u> Date <u>11/19/18</u>	
Code <u>1202</u>	Fee \$ <u>300</u>	TR # _____	Receipt Date <u>11/19/18</u> Check # <u>1273</u>

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

(A) One in the NC quarter of the NW quarter of the _____ quarter of Section 24, more particularly described as being near a point 3875 feet North and 3825 feet West of the Southeast corner of said section, in Township 4 South, Range 3E East/West (circle one), Washington County, Kansas.

(B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Ohlde Legacy Land LP 898 Quiivira Rd Linn KS 66953
(name, address and telephone number)

Steven K Ophle 898 Quiivira Rd Linn KS 66953 785-747-7649
(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on 11/15/17, 2017. Steven K Ophle
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of 1 well, pond, distribution system
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) upon approval
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be upon approval
(Mo/Day/Year)

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?
 Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

N/A

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

PD & PU- complete overlap with File No. 25,272

Water Resources
Received

NOV 19 2018

13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of

OTHER
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

Ohlde Legacy Land LP & Cynthia Ohlde both at 898 Quivira Rd Linn KS 66953
(name, address and telephone number)

Vernon & Sylvia Mai PO Box 341 Linn KS 66953
(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Linn KS, Kansas, this 15 day of November, 2018.
(month) (year)

Steve Kohler
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by Katie Tietsort TFO/WC Date: 11/7/18
(office/title)

NOV 9 2018

* Revised per Site Map.

DWS/DWR 1/14/19

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 50108

Name of Applicant (Please Print): Ohlde Dairy LLC

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Ohlde Legacy Land LP

ADDRESS: 898 Quivira Rd Linn KS 66953

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
24	4S	3E					35	10	37	33									115 115

Landowner of Record NAME: Cynthia Ohlde Vernon & Sylvia Mai

ADDRESS: 898 Quivira Rd Linn KS 66953 PO BOX 341 Linn KS 66953

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13	4S	3E					34	34	34	34	34	34	34	34					136

Total = 251 acres

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Water Resources
Received

NOV 19 2018

File #50,168
 Meets safe yield

Analysis Results

The selected PD is in an area OPEN to new appropriations.
 The safe yield based on the variables listed below is 1,592.60 AF.
 Total prior appropriations in the circle is 658.24 AF. $- 298.8 \text{ AF} = 359.44 \text{ AF}$
 Total quantity of water available for appropriation is ~~934.36~~ AF.
 1233.16 AF

Safe Yield Variables

The area used for the analysis is set at 6,590 acres.
 The potential annual recharge at the circle center is estimated to be 2.9 inches.
 The percent of recharge available for appropriation is 100%.

Authorized Quantity values are as of 14-JAN-2019 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.
 There are 4 water rights and 2 points of diversion within the circle.

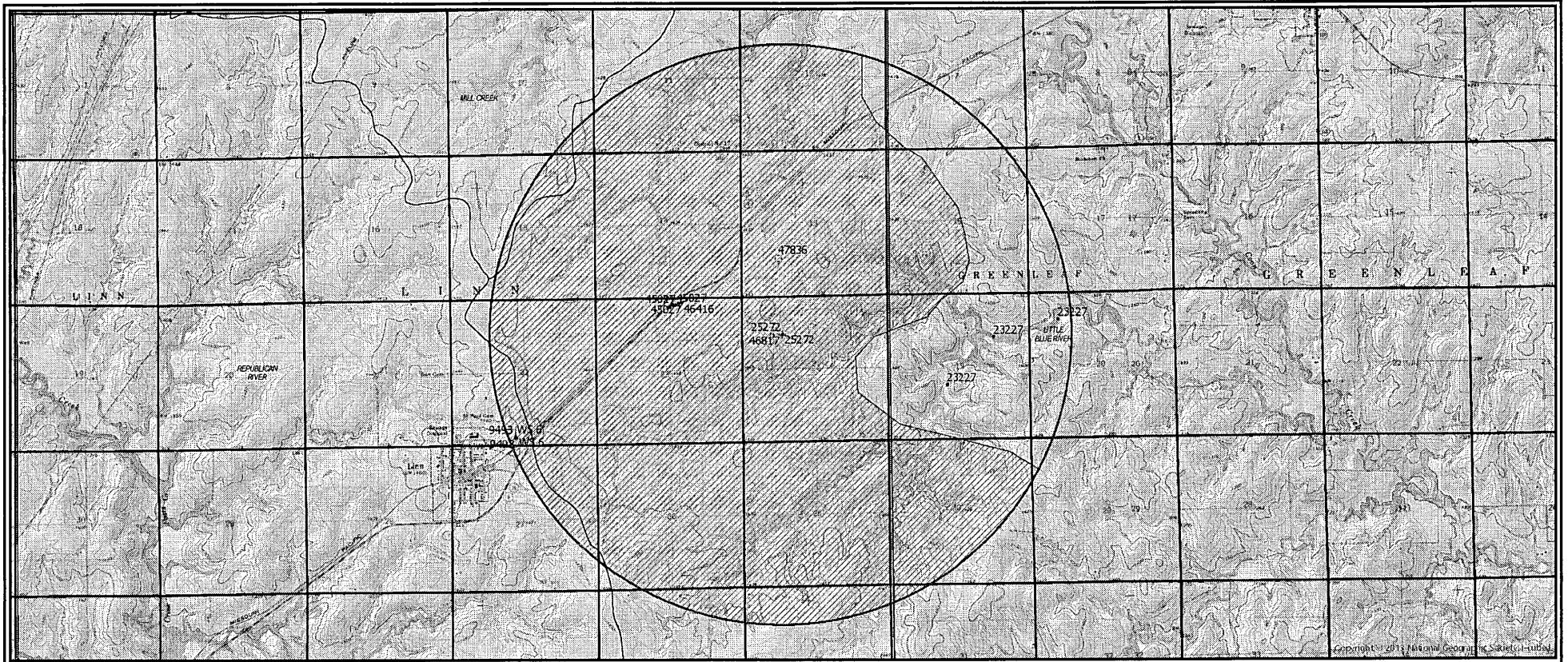
File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 25272 00	IRR	NK	G			NC	NW	3875	3825	24	04	03E	3	WR	57.00	57.00	134.00	134.00
A 46867 00	STK	KK	G			NC	NW	3875	3825	24	04	03E	3	WR	89.61	89.61		
A 47836 00	STK	KE	G		SW	NE	SW	1400	3850	13	04	03E	1	WR	302.44	212.83		
A 50168 00	IRR	AY	G			NC	NW	3875	3825	24	04	03E	3	WR	298.80	298.80	251.00	0.00

Limitations

File Number	Seq Num	Limitations
A 46867 00	1	375 GPM COM/W #25272
A 47836 00	1	98.55MGY COM/W #46867 $89.61 + 212.83 = 302.44 \text{ AF} \checkmark$

(302.44 AF)

Safe Yield Report Sheet
Water Right- A5016800
Point of Diversion in 24-04S-03E
Footages from SE corner- 3,875 feet North 3,825 feet West



AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50168 00

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AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50168 00 IRR

Water Right and Points of Diversion Within 2.00 miles of point defined as:

Meets 1/2 mile Spacing for unconfined

3875 Feet North and 3825 Feet West of the Southeast Corner of Section 24 T 4S R 3E

GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit	
A__ 25272	00	IRR	NK	G*	0	--	--	NC	NW	3875	3825	24	4	3E	3	57.00	57.00	AF	
A__ 46867	00	STK	KK	G	0	--	--	NC	NW	3875	3825	24	4	3E	3	89.61	89.61	AF	
A__ 47836	00	STK	KE	G	2789	--	--	SW	NE	SW	1400	3850	13	4	3E	1	302.44	212.83	AF
A__ 50168	00	IRR	AY	G	0	--	--	NC	NW	3875	3825	24	4	3E	3	298.80	298.80	AF	

DAKOTA

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	298.80	.00
Total Permitted Amount (AF) =	302.44	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	57.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	658.24	.00

An * after the source of supply indicates a pending application for change under the file number.
 An * after the ID indicates a 15 AF exemption was granted under the file number.
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.
 The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

3875 Feet North and 3825 Feet West of the Southeast Corner of Section 24 T 4S R 3E

GROUNDWATER ONLY

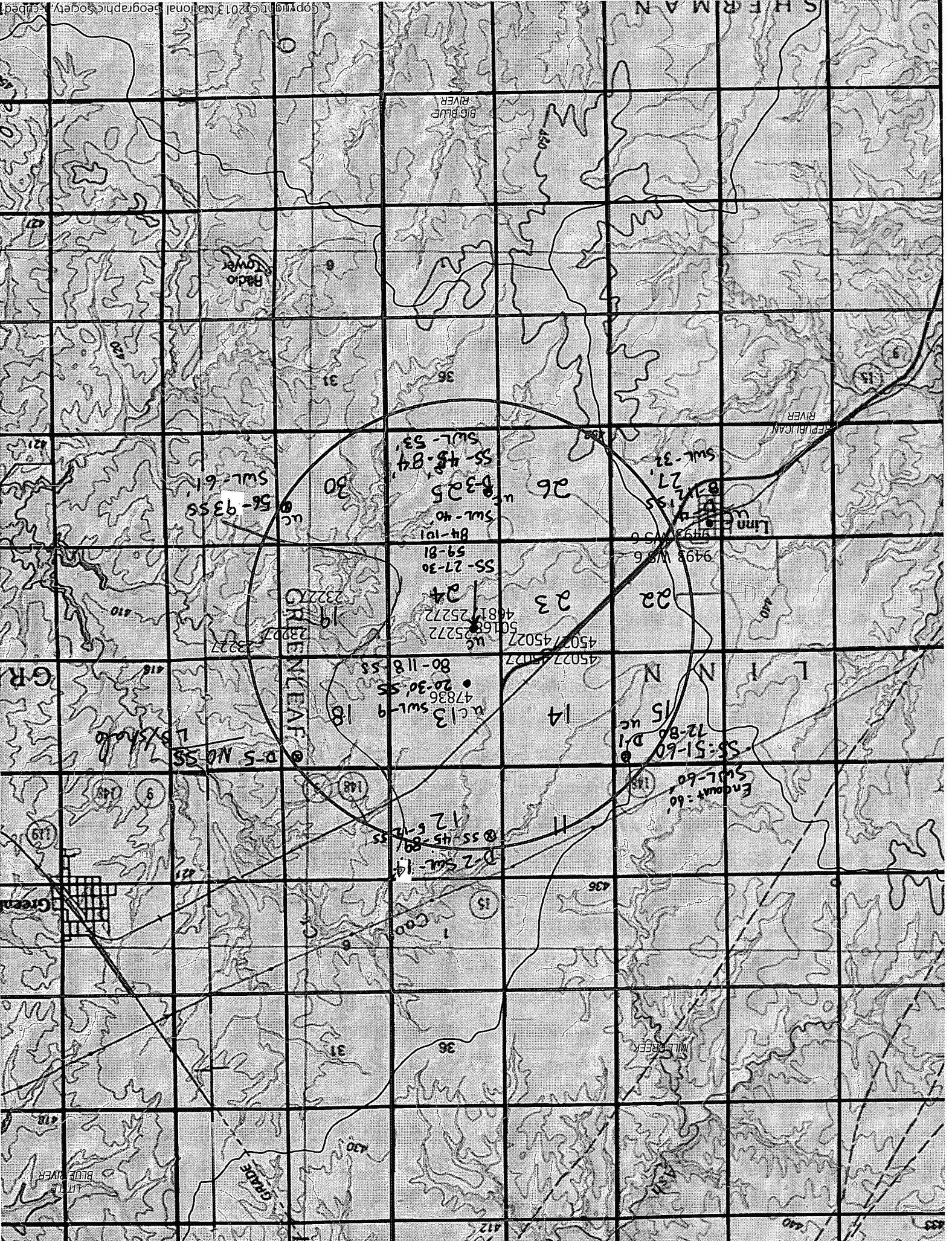
WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 25272	00	IRR	NK G
>	OHLDE DAIRY LLC		
>	1814 9TH RD		
>	LINN KS 66953		
A__ 46867	00	STK	KK G
>	OHLDE DAIRY LLC		
>	1814 9TH RD		
>	LINN KS 66953		
A__ 47836	00	STK	KE G
>	OHLDE DAIRY LLC		
>	1814 9TH RD		
>	LINN KS 66953		
A__ 50168	00	IRR	AY G
>	OHLDE DAIRY LLC		

>
> 1814 9TH RD
> LINN KS 66953

>-----
=====

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SHERMAN

BIG BLUE RIVER

RADIO TOWER

REPUBLICAN RIVER

Lincoln

RENFLEAF

LINN

GR

D-5 NO 55
LBS/Shafo

End point: 60'
SWM-60

MILL CREEK

GRADE

LITTLE BLUE RIVER

USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

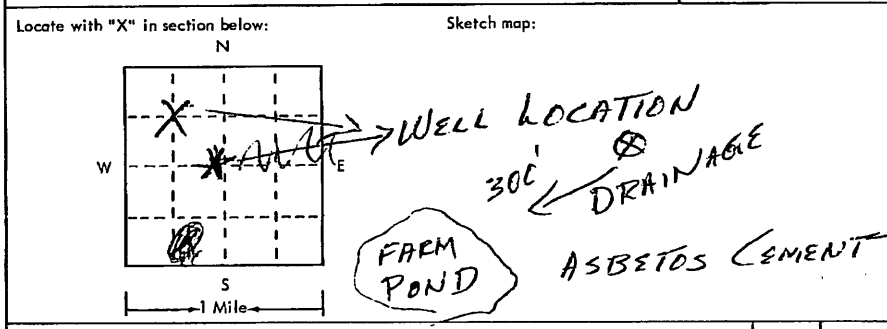
4 3 E 2 4 C W W
T R EW sec 1/4 1/4 1/4 No.

Kansas State Dept. Of Health
(Water Well Contractors)
Forbes-Bldg. 740
Topeka, Kansas 66620

1 Location of well: County WASHINGTON Township name LINN Fraction CNW 1/4 Section number 24 Town number T4 S Range number R3 E

Distance and direction from nearest town or city: 2 W 1 SOUTH TO LINN 3 Owner of well: ROBERT + NORMA OHLDE

Street address of well location if in city: TO LINN Address: LINN, KANS



4 Well depth: 113 ft. Date of completion 9/16/75
Well diameter 22 in.

5 Cable tool Rotary Driven Dug
 Hollow rod Jetted Bored Reverse rotary

6 Use: Domestic Public supply Industry
 Irrigation Air conditioning Commercial
 Test well

7 Casing: Material AC Height: above below
Threaded Welded Surface 12 in.
Diam. 12 in. to 113 ft. depth! Drive shoe? Yes No
12 in. to ft. depth!

2	Type and color of material	From	To
	TOPSOIL	0	3
	BROWN CLAY	3	5
	SANDY CLAY	5	10
	SANDROCK	10	23
	GRAY CLAY	23	27
	SANDROCK	27	30
	GRAY CLAY	30	50
	BROWN CLAY	50	59
	SANDROCK	59	81
	BROWN CLAY	81	84
	SANDROCK	84	101
	HARDROCK	101	103
	GRAY CLAY	103	106
	BLUE SHALE	106	133
	STOP	133	

8 Screen: Manufacturer JOHNSON CASING CO
Type SAVED AC Dia. 12
Slot/gauze 18 Length 99'
Set between 113 ft. and 74 ft.

Fittings: Gravel pack Yes No Size range of material 1/2"

9 Static water level: 40 ft. below land surface Date 9/16/75

10 Pumping level below land surfaces:
100 ft. after 1 hrs. pumping 280 g.p.m.
 ft. after hrs. pumping g.p.m.
Estimated maximum yield 280 g.p.m.

11 Water sample submitted:
 Yes No Date

12 Well head completion:
 Pitless adapter Inches above grade

13 Well grouted? Yes CONCRETE
 Neat cement Bentonite Concrete
Depth: From ft. to ft.

14 Nearest source of possible contamination:
ft. 300 Direction SW Type FARM POND
Well disinfected upon completion? Yes No

15 Pump: Not installed
Manufacturer's name WESTERN LAND ROLLER
Model number 6M10CHP 15 Volts 220
Length of drop pipe 100 ft. capacity 250 g.m.p.
Type:
 Submersible Turbine
 Jet Reciprocating
 Centrifugal Other

16 Remarks: elevation 1420' WELL ON HIGH GROUND WITH GOOD DRAINAGE

Topography:
 Hill
 Slope
 Upland
 Valley

17 Water well contractor's certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
GEORGE + SONS 258
Business name License No.
Address CLIFTON KANSAS
Signed David Lee Date 9/16/75
Authorized representative

Forward the white, blue and pink copies to the Kansas State Dept. Of Health.

Form WWC-5

D-1

1 LOCATION OF WATER WELL: County: <u>Washington</u>	Fraction <u>NE 1/4 NE 1/4 NE 1/4</u>	Section Number <u>15</u>	Township Number <u>T 4 S</u>	Range Number <u>R 3 E</u>
--	---	-----------------------------	---------------------------------	------------------------------

Distance and direction from nearest town or city street address of well if located within city?

2 North, 1 East of Linn

2 WATER WELL OWNER: Raymond Kolle
 RR#, St. Address, Box # : Route 1
 City, State, ZIP Code : Linn, Kansas 66953
 Board of Agriculture, Division of Water Resources
 Application Number: _____

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

4 DEPTH OF COMPLETED WELL... 80 ft. ELEVATION: 5

Depth(s) Groundwater Encountered 1. 60 ft. 2. _____ ft. 3. _____ ft.

WELL'S STATIC WATER LEVEL 60 ft. below land surface measured on mo/day/yr 10/12/1983

Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm

Est. Yield 30 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm

Bore Hole Diameter 9 in. to 80 ft., and _____ in. to _____ ft.

WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
~~XXX~~ Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well

Was a chemical/bacteriological sample submitted to Department? Yes _____ No ~~XXX~~; If yes, mo/day/yr sample was submitted _____

Water Well Disinfected? Yes ~~XXX~~ No

5 TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued XXX Clamped _____
XXX PVC	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded _____
		7 Fiberglass		Threaded _____

Blank casing diameter 5 in. to 60 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.

Casing height above land surface 12 in., weight 3 lbs./ft. Wall thickness or gauge No. 258

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)	10 Asbestos-cement
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS	11 Other (specify) _____
				12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

1 Continuous slot	3 Mill slot	5 Gauzed wrapped	XXX 8 Saw cut	11 None (open hole)
2 Louvered shutter	4 Key punched	6 Wire wrapped	9 Drilled holes	
		7 Torch cut	10 Other (specify) _____	

SCREEN-PERFORATED INTERVALS: From 60 ft. to 80 ft., From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From 14 ft. to 80 ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: ~~XXX~~ Neat cement 2 Cement grout 3 Bentonite 4 Other _____

Grout Intervals: From 4 ft. to 14 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

What is the nearest source of possible contamination:

1 Septic tank	4 Lateral lines	7 Pit privy	XXX 10 Livestock pens	14 Abandoned water well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage	16 Other (specify below)
			13 Insecticide storage	

Direction from well? East How many feet? 150

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	topsoil			
3	21	01 brown clay			
21	28	23 sandrock			
28	32	01 brown clay			
32	51	01 blue clay			
51	60	23 sandrock w/ blue clay layers			
61	72	01 blue clay			
72	80	23 sandrock			
80		stop			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 10/12/1983 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 359 This Water Well Record was completed on (mo/day/yr) 10/20/1983 under the business name of Daryl Cox & Sons Inc. by (signature) Raymond Kolle

INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY

T

R

3

ENV

SEC.

15

NE 1/4

NE 1/4

NE 1/4

D

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

47,836

1 LOCATION OF WATER WELL: Fraction $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section Number **13** Township No. T **4** S Range Number R **3** E W
 County: **Washington**
 Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here **Global Positioning System (GPS) information:**
 Latitude: **37.70021** (in decimal degrees)
 Longitude: **97.04519** (in decimal degrees)
 Elevation: **1432**
 Datum: WGS 84, NAD 83, NAD 27
 Collection Method: GPS unit (Make/Model: **CARNAVETREK**)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

2 WATER WELL OWNER: **Steve OHLDE**
 RR#, Street Address, Box #: **1814 9th Rd**
 City, State, ZIP Code: **LIINN, KS 66593**

3 LOCATE WELL WITH AN "X" IN SECTION BOX:
 N
 W | | E
 -- NW -- -- NE --
 | |
 -- SW -- -- SE --
 | |
 S
 ----- 1 mile -----
 (Note: 'X' is in the SW section)

4 DEPTH OF COMPLETED WELL **140** ft.
 Depth(s) Groundwater Encountered (1) **20** ft. (2) **80** ft. (3) _____ ft.
 WELL'S STATIC WATER LEVEL **9** ft. below land surface measured on mo/day/yr. **6-23-2011**
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 EST. YIELD **200** gpm. Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter **12** in. to **140** ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS: Public water supply Geothermal Injection well
 Domestic Feedlot Oil field water supply Dewatering Other (Specify below)
 Irrigation Industrial Domestic-lawn & garden Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes No
 If yes, mo/day/yr sample was submitted: _____
 Water well disinfected? Yes No

5 TYPE OF CASING USED: Steel PVC Other _____
 CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter **8** in. to **140** ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft.
 Casing height above land surface **24** in., Weight _____ lbs./ft., Wall thickness or gauge No. **50H40**
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify) _____
 Brass Galvanized Steel None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From **80** ft. to **120** ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From **20** ft. to **45** ft., From _____ ft. to _____ ft.
 From **60** ft. to **140** ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other _____
 Grout Intervals: From **0** ft. to **20** ft., From **45** ft. to **60** ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well **IN A FIELD**
 Direction from well _____ Distance from well _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	20	CLAY			
20	30	SANDSTONE			
30	32	LIMESTONE, WEATHERED			
32	80	SHALE, RED			
80	118	SANDSTONE			
118	140	SHALE, GRAY			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) **6-23-2011** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **760** This Water Well Record was completed on (mo/day/year) **7-23-2011** under the business name of **ASSOCIATED DRILLING, P.L.C.** by (signature) _____

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

D-2

USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

Kansas Department of Health and Environment-Division of Environment
(Water well Contractors)
Topeka, Kansas 66620

1. Location of well:	County: <u>Washington</u>	Fraction: <u>SW 1/4 SW 1/4 NW 1/4</u>	Section number: <u>12</u>	Township number: T <u>4</u> S <u>4</u> R <u>3</u> <u>EW</u>	Range number: <u>3</u>
2. Distance and direction from nearest town or city: <u>2N 2E 1/2N</u>	3. Owner of well: <u>Melvin Stunkel</u>		R.R. or street: <u>#1</u>		
Street address of well location if in city: <u>of Finn</u>	City, state, zip code: <u>Greenleaf, Ks 66943</u>				
4. Locate with "X" in section below:	Sketch map:		6. Bore hole dia. <u>18</u> in. Completion date <u>10-11-77</u> Well depth <u>89</u> ft.		
			7. <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Reverse rotary		
			8. Use: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Stock <input type="checkbox"/> Lawn <input type="checkbox"/> Oil field water <input type="checkbox"/> Other		
				9. Casing: Material <u>PVC</u> Height: Above or below Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Surface <u>12</u> in. RMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Weight <u>3</u> lbs./ft. Dia. <u>5</u> in. to <u>89</u> ft. depth Wall Thickness: inches or Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth gage No. <u>258</u>	
5. Type and color of material		From	To	10. Screen: Manufacturer's name <u>PUMPCO</u>	
<u>clay</u>		<u>0</u>	<u>5</u>	Type <u>PVC</u> Dia. <u>5</u>	
<u>sand rock</u>		<u>5</u>	<u>12</u>	Slot/gauge <u>1/16"</u> Length <u>20</u>	
<u>clay</u>		<u>12</u>	<u>30</u>	Set between <u>69</u> ft. and <u>89</u> ft.	
<u>clay + sand rock</u>		<u>30</u>	<u>45</u>	Gravel pack? <u>YES</u> Size range of material <u>1/16-1/4</u>	
<u>soft sand rock</u>		<u>45</u>	<u>75</u>	11. Static water level: mo./day/yr. <u>14</u> ft. below land surface Date <u>10-11-77</u>	
<u>sand rock</u>		<u>75</u>	<u>89</u>	12. Pumping level below land surfaces: <u>30</u> ft. after <u>1/2</u> hrs. pumping <u>80</u> g.p.m. <u> </u> ft. after <u> </u> hrs. pumping <u> </u> g.p.m. Estimated maximum yield <u>200</u> g.p.m.	
<u>shale</u>				13. Water sample submitted: mo./day/yr. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date <u> </u>	
				14. Well head completion: <input type="checkbox"/> Pitless adapter <u>12</u> Inches above grade	
				15. Well grouted? <u>YES</u> With: <input type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Concrete Depth: From <u>0</u> ft. to <u>10</u> ft.	
				16. Nearest source of possible contamination: ft. <u>100</u> Direction <u>N</u> Type <u>septic tank</u> Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
				17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name <u> </u> Model number <u> </u> HP <u> </u> Volts <u> </u> Length of drop pipe <u> </u> ft. capacity <u> </u> g.p.m. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other	
				(Use a second sheet if needed)	
18. Elevation: <u>1415'</u>	19. Remarks:		20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. <u>Geo Cox & Son Inc 258</u> Business name <u>Clifton, Kansas</u> License No. <u> </u> Address <u> </u> Signed <u>Francis Cox</u> Date <u>10-12-77</u> Authorized representative		

77

T 4
 R 3
 S 4
 W 5
 Sec 12
 1/4 1/4 1/4 1/4
 SUSPENDED

Forward the white, blue and pink copies to the Department of Health and Environment

Form WWC-5

WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

D-4

1 LOCATION OF WATER WELL: County: WASHINGTON Fraction: NW 1/4 NW 1/4 NW 1/4 Section Number: 27 Township Number: T 4 S Range Number: R 3 EDW

Distance and direction from nearest town or city street address of well if located within city? 29 N. ELM, LINN, KS Global Positioning Systems (decimal degrees, min. of 4 digits)
 Latitude: _____
 Longitude: _____
 Elevation: _____
 Datum: _____
 Data Collection Method: _____

2 WATER WELL OWNER: RODNEY OHLOZ
 RR#, St. Address, Box #: 29 N. ELM ST
 City, State, ZIP Code: LINN, KS 66953

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N			
W	--NW--	--NE--	E
	--SW--	--SE--	
S			

4 DEPTH OF COMPLETED WELL 250 ft.
 Depth(s) Groundwater Encountered (1) 32 ft. (2) _____ ft. (3) _____ ft.
 WELL'S STATIC WATER LEVEL _____ ft. below land surface measured on mo/day/yr _____
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield 60 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering Other (Specify below)
 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well CLOSED LOOP WELL

Was a chemical/bacteriological sample submitted to Department? Yes _____ No X; If yes, mo/day/yr _____
 Sample was submitted _____ Water well disinfected? Yes _____ No X

5 TYPE OF CASING USED: 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued _____ Clamped _____
 1 Steel 3 RMP (SR) 6 Asbestos-Cement Other (specify below) Welded X
 2 PVC 4 ABS 7 Fiberglass HUPR Threaded _____

Blank casing diameter 3/4 in. to 250 ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft.
 Casing height above land surface 60 in., Weight _____ lbs./ft. Wall thickness or gauge No. SDR11

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 9 ABS 11 Other (Specify) _____
 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw cut 10 Other (specify) _____

SCREEN-PERFORATED INTERVALS: From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout Bentonite 4 Other _____
 Grout Intervals: From 5 ft. to 250 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide storage 16 Other (specify below)
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well _____
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 15 Oil well/gas well HOUSE

Direction from well? SOUTH How many feet? 40

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	8	SANDY CLAY			
8	112	SANDSTONE			
112	144	SHALE, GRAY			1-250
144	148	GYPSSUM			1-238
148	171	SHALE, GRAY			1-226
171	173	LEAF STONE			1-214
173	250	SHALE, GRAY			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 6/16/08 and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. 760 This Water Well Record was completed on (mo/day/year) 9/22/08
 under the business name of Associated Drilling Inc by (signature) _____

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

D-5

1 LOCATION OF WATER WELL: County: <u>Washington</u>	Fraction <u>NE 1/4 NE 1/4 NE 1/4</u>	Section Number <u>18</u>	Township Number <u>T 4 S</u>	Range Number <u>R 4</u> EW
--	---	-----------------------------	---------------------------------	--------------------------------------

Distance and direction from nearest town or city street address of well if located within city?

1 South, 2 West of Greenleaf

2 WATER WELL OWNER: Bill Lohmeyer
 RR#, St. Address, Box #: 1988 10th Road
 City, State, ZIP Code: Greenleaf, KS. 66943
 Board of Agriculture, Division of Water Resources
 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

4 DEPTH OF COMPLETED WELL: 127' ft. ELEVATION: _____ ft.
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 60 ft. below land surface measured on mo/day/yr 2/23/96
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield 40-50 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter 9 in. to 122 ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS:
 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well Livestock
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No *; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes * No

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued * Clamped _____
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____
 7 Fiberglass Threaded _____
 Blank casing diameter 5 in. to 197 ft., Dia. _____ in. to _____ ft., Dia. _____ in. to _____ ft.
 Casing height above land surface 18 in., weight 200 lbs./ft. Wall thickness or gauge No. _____
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) _____
 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From 197' ft. to 127' ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 40 ft. to 127 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout Intervals: From 5 ft. to 40 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage _____
 Direction from well? East How many feet? 75

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	8	Brown Clay			
8	21	Orange & Tan Clay			
21	49	Gray Clay			
49	57	Gray Shale			
57	61	Limestone			
61	114	Gray Shale			
114	118	Limestone (White)			
118	132	Gray Shale			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 2/23/96 and this record is true to the best of my knowledge and belief. Kansas Well Contractor's License No. 518. This Water Well Record was completed on (mo/day/yr) 2/26/96.
 business name of Blue Valley Drilling by (signature) Eric Steub

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R EW SEC. 1/4 1/4 1/4

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The Parcel Number for this Property is 101-186-13-0-00-00-003.00-0
Quick Ref ID: 5305

Owner Information

Owner Name	MAI, VERNON & SYLVIA
Address	PO BOX 341 LINN, KS 66953
Owner Name	Ohlde, Cynthia
Address	898 Quivira RD Linn, KS 66953

Property Situs Address

Address	00000 9TH RD, Linn, KS 66953
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Land Based Classification System

Function	Farming / ranch land (no improvements)
Activity	Farming, plowing, tilling, harvesting, or related activities
Ownership	Private-fee simple
Site	Dev Site - crops, grazing etc - no structures

General Property Information

Prop Class	Agricultural Use - A
Living Units	
Zoning	
Neighborhood	900
Tax Unit Group	253

Property Factors

Topography	Level - 1 Rolling - 4
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KS Dept of Agriculture
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Resource
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5305

Utilities	None - 8
Access	Paved Road - 1
Fronting	Major Strip or CBD - 1
Location	Neighborhood or Spot - 6
Parking Type	On and Off Street - 3
Parking Quantity	Abundant - 3
Parking Proximity	On Site - 3
Parking Covered	
Parking Uncovered	

2018 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	79,910	0	79,910
Total	79,910	0	79,910

Tract Description

S13, T04, R03, 6th Principal Meridian, ACRES 156.1, SW4 & ADJ VAC RR LESS R/W Deed Book/Page 0139/0010 0135/0289 0205/0440 0205/0441
--

Deed Information

Book1	Page1	Book2	Page2	Book3	Page3	Book4	Page4
244	121	235	323	235	322	0139	0010

Agricultural Land

Ag Type	Ag Acres	Soil Unit	Irr Type	Well Depth	Acre Feet	Acre Ft/Ac	Adj Code	Govt Prog	Base Rate	Adj Rate	Ag Value
Dry Land	146.6	3800				0			516	516	75,650
Dry Land	8.4	3828				0			506	506	4,250
Native Grass	1.1	WST				0			10	10	10

Ag Land Summary

Dry Land Acres	155
Irrigated Acres	0

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Native Grass Acres	1.1
Tame Grass Acres	0
Total Ag Acres	156.1
Total Ag Use Value	79,910
Total Ag Market Value	712,300

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STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
1320 RESEARCH PARK DRIVE
MANHATTAN, KS 66502
PHONE: (785) 564-6700
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456
TOPEKA, KS 66612
PHONE: (785) 296-3556
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

November 21, 2018

OHLDE DAIRY, LLC
1814 9TH RD
LINN, KS 66953

RE: Application, File No. **50168**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application for a permit to appropriate water for beneficial use. Your application has been assigned the file number referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application is unlawful.

Additional information about the process may be found on our website at agriculture.ks.gov/divisions-programs/dwr. If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Brent A. Tournay". The signature is written in a cursive style.

Brent Tournay, L.G.
Change Applications Unit Supervisor
Water Appropriation Program

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IRRIGATION USE SUPPLEMENTAL SHEET

File No. 501108

Name of Applicant (Please Print): Ohdle Dairy LLC

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Ohdle Legacy Land LP

ADDRESS: 898 Quivira Rd Linn KS 66953

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
24	4S	3E					35	10	37	33									113

Landowner of Record NAME: Cynthia Ohdle Vernon & Sylvia Mai

ADDRESS: 898 Quivira Rd Linn KS 66953 PO BOX 341 Linn KS 66953

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13	4S	3E					34	34	34	34									136

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Water Resources
Received

NOV 19 2018

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): _____ %

Estimate the maximum land slope in the field(s): _____ %

c. Type of irrigation system you propose to use (check one):

_____ Center pivot _____ Center pivot - LEPA _____ "Big gun" sprinkler

_____ Gravity system (furrows) _____ Gravity system (borders) _____ Sideroll sprinkler

Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater:

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: _____ psi

(2) What is the sprinkler package design rate? _____ gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? _____ feet

(4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations: Standard rotation crops.

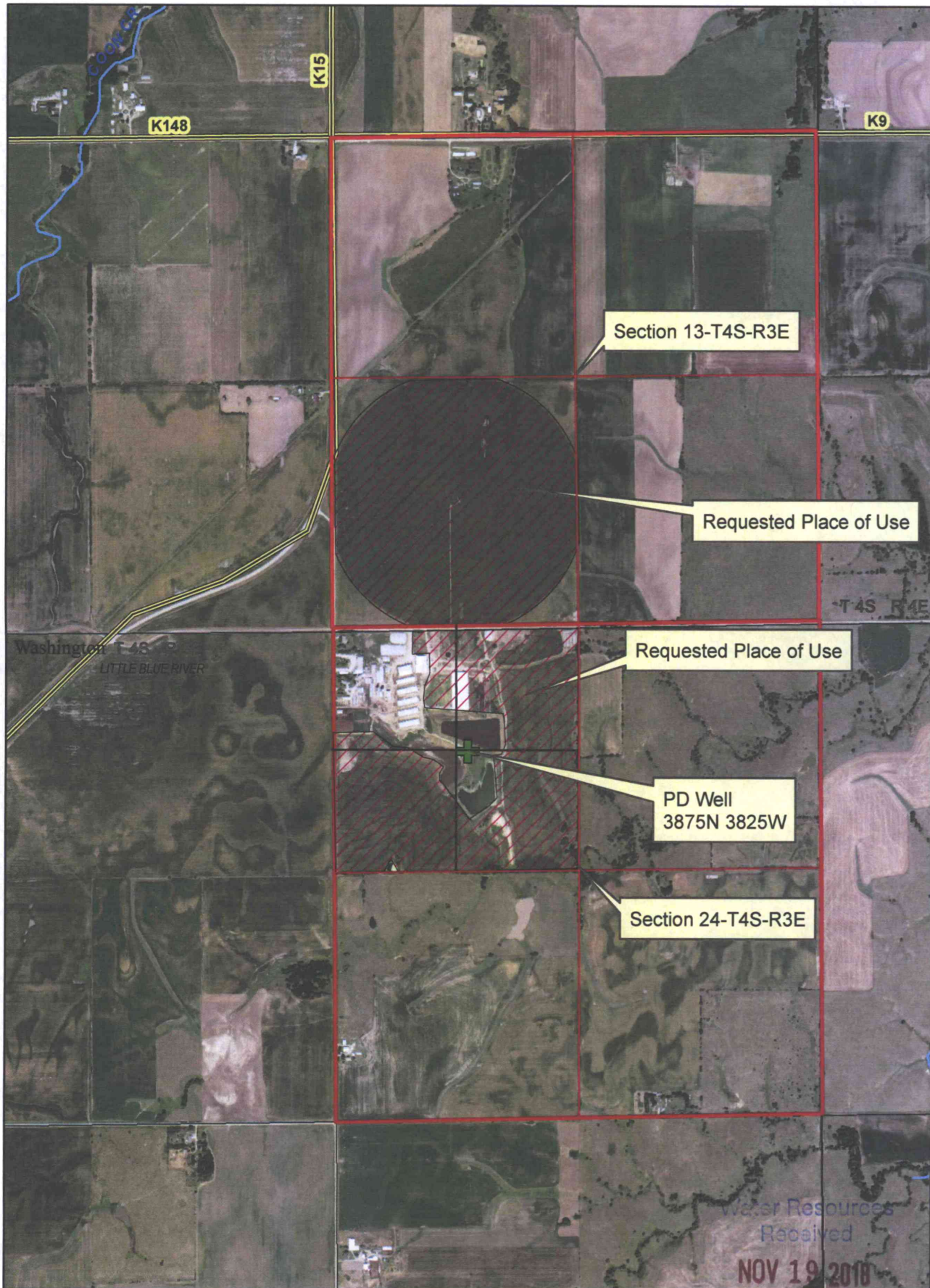
f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation). Plant stress.

You may attach any additional information you believe will assist in informing the Division of the need for your request.

0105 21 100

50168

New Application



1:18,000

Signature *Steve K. O'Neil* KS Dept Of Agriculture
All known wells within 1/2 mile have been plotted.

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