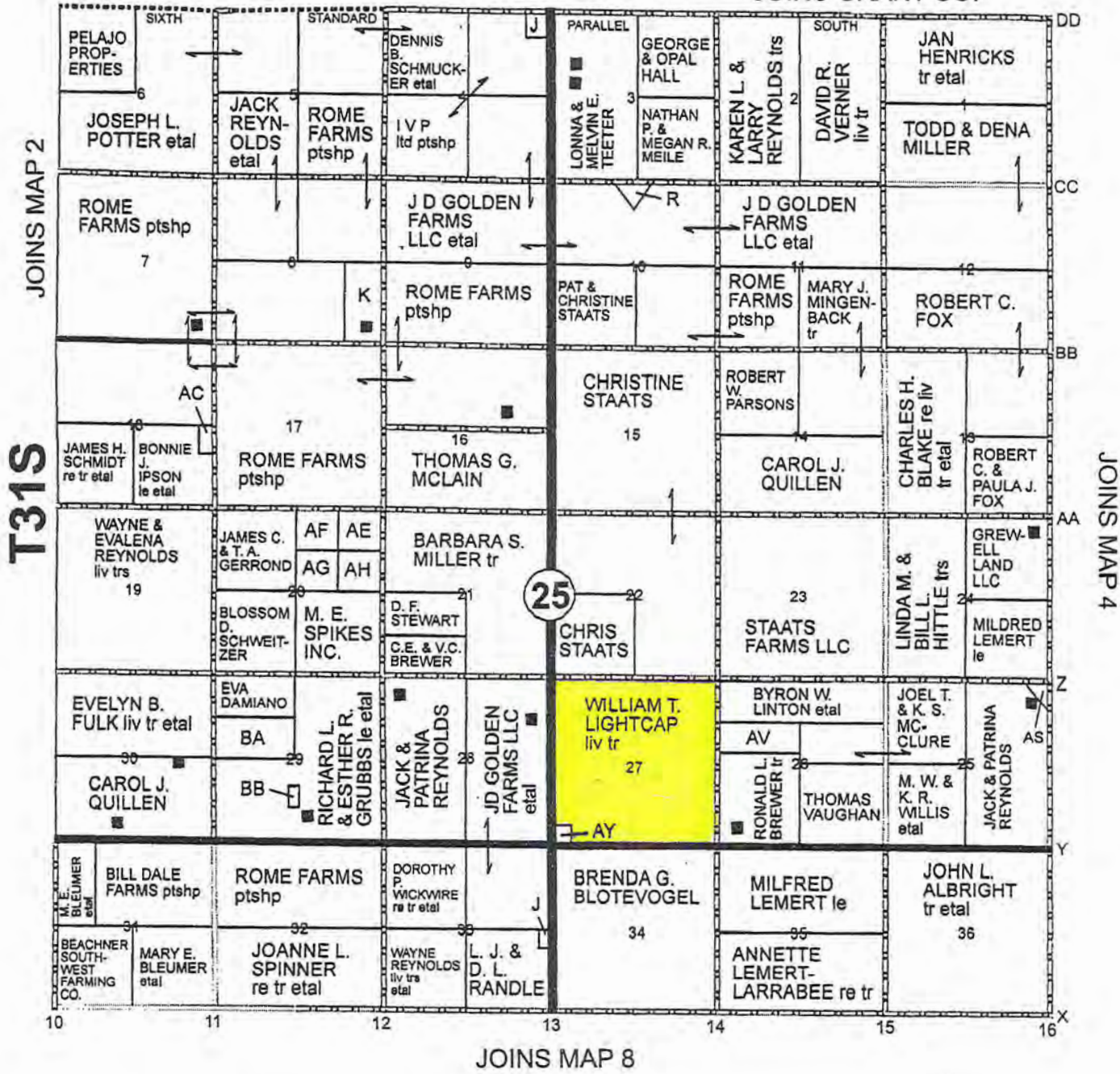


# MAP 3

R37W

JOINS GRANT CO.





## The Hugoton Hermes

*Newspaper Serving SW Kansas Since 1887*

**RoGlenda Coulter, Kay McDaniels and Ruthie Winget Owners**

522 S. Main, Hugoton, KS 67951  
 Office (620) 544-4321  
 Fax (620) 544-7321

hermes10@pld.com  
 hermesro@pld.com  
 hermes7@pld.com



Soil Map—Stevens County, Kansas  
(Lightcap Section 27-31-37, Stevens)



## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1613	Zella loam, 0 to 1 percent slopes	56.2	8.7%
1615	Hugoton and Zella soils, 0 to 1 percent slopes	92.2	14.3%
1617	Hugoton silt loam, 0 to 1 percent slopes	198.3	30.7%
5210	Belfon loam, 0 to 1 percent slopes	96.1	14.9%
5225	Dalhart and Vorhees soils, 1 to 3 percent slopes	152.7	23.7%
5237	Forgan loam, 0 to 1 percent slopes	49.7	7.7%
<b>Totals for Area of Interest</b>		<b>645.2</b>	<b>100.0%</b>

Water Right Information represents conditions as of 03/03/2024.

-----  
 Point of Diversion  
 -----

Pd:  
 27-31S-37W 2

Water Right:

8486 - 00

Use:  
 IRR

-----  
 Water Right Details  
 -----

Source:  
 G

Right Type:  
 Appropriation

Total Acres Authorized:  
 960.00

Net Acres Authorized:  
 0

Water Right Active:  
 1

Water Right Status:  
 CERTIFICATE ISSUED

Place(s) of Use:

27-31S-37W	NW SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW SW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NW NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE NW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	SW NE	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE SW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NE NE	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	SE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE NW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NW SE	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	SW SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW NW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE SW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NW NW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NW SW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NW NE	(active)	Total Acres: 40,	Net Acres: 0

28-31S-37W SE NE (active) Total Acres: 40, Net Acres: 0

Priority Date:  
10/20/1960

---

Point of Diversion Details

---

Action Trail:

10/20/1960- PENDING INITIAL REVIEW  
11/04/1960- APPROVED PENDING COMPLETION  
02/07/1961- COMPLETED PENDING INSPECTION  
10/29/1962- CERTIFICATE ISSUED  
03/31/1983- CHANGE APPLICATION FOR PLACE OF USE  
06/10/1983- CHANGE APPROVED  
06/05/1989- CHANGE APPLICATION FOR POINT OF DIVERSION  
06/05/1989- CHANGE APPROVED

Pd Active:  
1

Feet North:  
4979

Feet West:  
3504

Qualifiers:  
NW NE NW

County:  
STEVENS

GMD Num:  
3

Number of Wells:  
1

Subbasin:  
CIMARRON RIVER

Stream:

Special Use Area(s):

Comment:

---

Authorized Quantity and Rate

---

Quantity Stored By:  
Water Right

Authorized Quantity (AF):  
2023



Net Quantity (AF):  
423

Rate Stored By:  
Water Right

Authorized Rate (GPM):  
4055

Net Rate (GPM):  
4055

---

Reported Water Use

---

Water Use Year:  
2022

Total Water Used (AF):  
0.00

Acres Irrigated:

Water Use Reported on Right Num:  
A 3179 00

Reel Number:  
22

Blip Number:  
382

Metered Quantity:

Meter Unit:

Beginning Meter Reading:

Ending Meter Reading:

Depth to Water:

Depth of Well:

System Type:

Hours Pumped:

Pump Rate:

Date of Measurement:

Date Report Received:  
01/29/2023

Chemigation Indicator:  
0

Water Use Code:

Crop Code:

Current Water Use Correspondent(s):  
LIGHTCAP FAMILY TRUST

Water Right Information represents conditions as of 03/03/2024.

-----  
 Point of Diversion  
 -----

Pd:  
 27-31S-37W 2

Water Right:  
 3179 - 00

Use:  
 IRR

-----  
 Water Right Details  
 -----

Source:  
 G

Right Type:  
 Appropriation

Total Acres Authorized:  
 960.00

Net Acres Authorized:  
 960

Water Right Active:  
 1

Water Right Status:  
 CERTIFICATE ISSUED

Place(s) of Use:

28-31S-37W	NE SE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NW NE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	SE NW	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	SW NW	(active)	Total Acres: 40,	Net Acres: 40
28-31S-37W	SE NE	(active)	Total Acres: 40,	Net Acres: 40
28-31S-37W	SE SE	(active)	Total Acres: 40,	Net Acres: 40
28-31S-37W	NW NE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NE NE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NW SW	(active)	Total Acres: 40,	Net Acres: 40
28-31S-37W	SW NE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NE SE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NW SE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	SE SE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NE SW	(active)	Total Acres: 40,	Net Acres: 40
28-31S-37W	NW SE	(active)	Total Acres: 40,	Net Acres: 40
28-31S-37W	SW SE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	SW NE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NE NW	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	SW SE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	SW SW	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	SE NE	(active)	Total Acres: 40,	Net Acres: 40
27-31S-37W	NW NW	(active)	Total Acres: 40,	Net Acres: 40
28-31S-37W	NE NE	(active)	Total Acres: 40,	Net Acres: 40



27-31S-37W SE SW (active) Total Acres: 40, Net Acres: 40

Priority Date:  
12/08/1954

---

Point of Diversion Details

---

Action Trail:

12/08/1954- PENDING INITIAL REVIEW  
04/08/1955- APPROVED PENDING COMPLETION  
12/15/1956- COMPLETED PENDING INSPECTION  
10/17/1960- INSPECTED PENDING PERFECTION  
01/20/1961- CERTIFICATE ISSUED  
03/31/1983- CHANGE APPLICATION FOR PLACE OF USE  
06/10/1983- CHANGE APPROVED

Pd Active:  
1

Feet North:  
4979

Feet West:  
3504

Qualifiers:  
NW NE NW

County:  
STEVENS

GMD Num:  
3

Number of Wells:  
1

Subbasin:  
CIMARRON RIVER

Stream:

Special Use Area(s):

Comment:

---

Authorized Quantity and Rate

---

Quantity Stored By:  
Water Right

Authorized Quantity (AF):  
1186

Net Quantity (AF):

1186

Rate Stored By:  
Water Right

Authorized Rate (GPM):  
2179

Net Rate (GPM):  
2179

-----  
Reported Water Use  
-----

Water Use Year:  
2022

Total Water Used (AF):  
1060.00

Acres Irrigated:  
488

Water Use Reported on Right Num:

Reel Number:  
22

Blip Number:  
382

Metered Quantity:  
1060

Meter Unit:  
8

Beginning Meter Reading:  
993

Ending Meter Reading:  
53

Depth to Water:

Depth of Well:

System Type:  
4

Hours Pumped:

Pump Rate:

Date of Measurement:

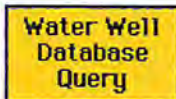
Date Report Received:  
01/29/2023

Chemigation Indicator:  
0

Water Use Code:  
A

Crop Code:  
25

Current Water Use Correspondent(s):  
LIGHTCAP FAMILY TRUST



## Specific Water Well Detail

## Well T31S, R37W, Sec. 27, NW NE NW, Action: Constructed

Location Info		
Owner: Lightcap, Bill	Status: Constructed	
Location: T31S, R37W, Sec. 27, NW NE NW	County: Stevens	
Directions: from Hwy 25 and Grant/Stevens Co line, Ulysses: 4 mi SE		
Latitude: 37.3286	Longitude: -101.33292	Datum NAD 27
Latitude: 37.3286225	Longitude: -101.3333528	Datum NAD 83
Longitude and latitude from GPS measurements.		
GPS Latitude: 37.3286	GPS Longitude: -101.33292	Datum NAD27
<a href="#">View well on interactive map</a> This link will create a new window and display an interactive map of this well and its neighbors.		
General Info		
Well Depth: 498 ft.	Elevation: 3098 ft.	
Static Water Level: 300 ft.	Est. Yield: gpm.	
Comp. Date: 30-Dec-2010	Well Use: Irrigation	
DWR Applic. #: 3179; 4986; 8486	Other ID:	
Links		
No Wizard information available.		
<a href="#">View info from WIMAS Water Right Data base...</a>		
Driller Info		
Driller: Hydro Resources Mid Continent, Inc.	License #: 145	
Scanned Form		
<a href="#">View scan of this form in PDF format.</a>		
You will need the <a href="#">Acrobat PDF Reader</a> , available free from Adobe, to read this file.		
Chemical Sample Submitted?: Water Well disinfected?:		
Casing Info		
Casing Type: Casing Joints:	Diam: in. to ft	
Casing height above land surface: in Casing Weight: lbs/ft Wall thickness or gauge no.:		
Screen and Perforation Info		
Screen Type:	Screen Openings:	



	<b>Screen-perforated intervals</b>	<b>From:</b> ft to ft
	<b>Gravel pack intervals</b>	<b>From:</b> ft to ft
<b>Grout Info</b>		
	<b>Grout used:</b>	<b>From:</b> to ft
<b>Source of Possible Contamination</b>		
	<b>Source:</b>	
	<b>Direction from well:</b>	<b>Distance:</b> ft
<b>Lithologic Log</b> (Log data entered by KGS.)		
	<b>From:</b> 0 ft. to 2 ft.	top soil
	<b>From:</b> 2 ft. to 34 ft.	brown sandy clay
	<b>From:</b> 34 ft. to 39 ft.	fine sand
	<b>From:</b> 39 ft. to 60 ft.	brown clay
	<b>From:</b> 60 ft. to 71 ft.	sand, fine-medium coarse with few clay strings
	<b>From:</b> 71 ft. to 105 ft.	brown clay
	<b>From:</b> 105 ft. to 135 ft.	sand, fine to medium coarse
	<b>From:</b> 135 ft. to 141 ft.	brown sandy clay
	<b>From:</b> 141 ft. to 165 ft.	sand, fine to medium coarse
	<b>From:</b> 165 ft. to 195 ft.	brown sandy clay with couple sand beds
	<b>From:</b> 195 ft. to 208 ft.	sand, fine to medium coarse
	<b>From:</b> 208 ft. to 224 ft.	brown sandy clay with few sand strips
	<b>From:</b> 224 ft. to 360 ft.	sand, fine-medium coarse, small gravel, few clay stringers
	<b>From:</b> 360 ft. to 366 ft.	brown sandy clay with few sand strips
	<b>From:</b> 366 ft. to 460 ft.	sand, fine-medium coarse, small gravel, couple clay stringers
	<b>From:</b> 460 ft. to 471 ft.	sand, fine-medium with some clay stringers
	<b>From:</b> 471 ft. to 484 ft.	sand, fine-medium coarse
	<b>From:</b> 484 ft. to 493 ft.	sand, fine to medium, with few clay stringers
	<b>From:</b> 493 ft. to 497 ft.	soapstone
	<b>From:</b> 497 ft. to 498 ft.	red bed

Kansas Geological Survey

Comments to [webadmin@kgs.ku.edu](mailto:webadmin@kgs.ku.edu)

URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>

Display Programs Updated July 2, 2014

Data added continuously.

Water Right Information represents conditions as of 03/03/2024.

-----  
 Point of Diversion  
 -----

Pd:  
 27-31S-37W 2

Water Right:  
 4986 - 00

Use:  
 IRR

-----  
 Water Right Details  
 -----

Source:  
 G

Right Type:  
 Appropriation

Total Acres Authorized:  
 960.00

Net Acres Authorized:  
 0

Water Right Active:  
 1

Water Right Status:  
 CERTIFICATE ISSUED

Place(s) of Use:

27-31S-37W	NW SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW SW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NW NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE NW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	SW NE	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE SW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NE NE	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	SE SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE NE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SE NW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NW SE	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	SW SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW NW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NE SW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NW NW	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	SW SE	(active)	Total Acres: 40,	Net Acres: 0
27-31S-37W	NW SW	(active)	Total Acres: 40,	Net Acres: 0
28-31S-37W	NW NE	(active)	Total Acres: 40,	Net Acres: 0

28-31S-37W SE NE (active) Total Acres: 40, Net Acres: 0

Priority Date:

01/10/1956

---

Point of Diversion Details

---

Action Trail:

01/10/1956- PENDING INITIAL REVIEW  
01/17/1956- APPROVED PENDING COMPLETION  
12/15/1956- COMPLETED PENDING INSPECTION  
10/25/1960- COMPLETED - EXTENDED TIME TO PERFECT  
01/18/1961- CERTIFICATE ISSUED  
03/31/1983- CHANGE APPLICATION FOR PLACE OF USE  
06/10/1983- CHANGE APPROVED  
06/05/1989- CHANGE APPLICATION FOR POINT OF DIVERSION  
06/05/1989- CHANGE APPROVED

Pd Active:

1

Feet North:

4979

Feet West:

3504

Qualifiers:

NW NE NW

County:

STEVENS

GMD Num:

3

Number of Wells:

1

Subbasin:

CIMARRON RIVER

Stream:

Special Use Area(s):

Comment:

---

Authorized Quantity and Rate

---

Quantity Stored By:

Water Right

Authorized Quantity (AF):

1600

Net Quantity (AF):  
414

Rate Stored By:  
Water Right

Authorized Rate (GPM):  
4000

Net Rate (GPM):  
1821

-----  
Reported Water Use  
-----

Water Use Year:  
2022

Total Water Used (AF):  
0.00

Acres Irrigated:

Water Use Reported on Right Num:  
A 3179 00

Reel Number:  
22

Blip Number:  
382

Metered Quantity:

Meter Unit:

Beginning Meter Reading:

Ending Meter Reading:

Depth to Water:

Depth of Well:

System Type:

Hours Pumped:

Pump Rate:



Date of Measurement:

Date Report Received:  
01/29/2023

Chemigation Indicator:  
0

Water Use Code:

Crop Code:

Current Water Use Correspondent(s):  
LIGHTCAP FAMILY TRUST



# Hydro resources

William Lightcap  
2021 Vista Caudal  
New Port Beach, CA 92660

Invoice Number 888843  
 Invoice Date January 31, 2022  
 Customer ID LIGH0801  
 Terms Net 30 Days  
 Project MDC-R-22927  
 PO Number  
 Page 1 of 2  
 Please remit payment to  
 Hydro Resources - Mid Continent, Inc.  
 PO Box 639  
 Garden City, Kansas 67846  
 TX:806-948-4421 KS:620-277-2389 NM:575-215-0050  
 Contractor's Licenses

**Please put invoice numbers on remittance**

Manager Robert E Douglas

NW 27-31-37 STSEVENS

PUMP SET-480'  
 MTD-496'  
 SWL-358'

	Current Qty	Unit of Measure	Rate	Current Amount
<b>LABOR</b>				
Machine Shop Labor	5.50	HR	80.00	440.00
Machine Shop Labor -tear down/inspect bowl	2.50	HR	80.00	200.00
Turbine Crew (Misc-In Field)	1.00	HR	175.00	175.00
Turbine Crew (Misc-In Shop)	2.50	HR	100.00	250.00
Pull Lineshaft Pump 20' jnts	440.00	FT	4.75	2,090.00
Set Lineshaft Pump 20' jnts	460.00	FT	4.75	2,185.00
Travel	3.00	HR	175.00	525.00
Subcontractor -repair G200B, 5:6, S/N C401125	1.00	LS	522.00	522.00
Subtotal LABOR				6,387.00

	Current Qty	Unit of Measure	Rate	Current Amount
<b>MATERIALS</b>				
BASKET, NICHOLS, 8 X 16	1.00	EA	432.00	432.00 t
BLEACH, BULK	5.00	GL	5.05	25.25 t
BOWL ASSEMBLY, 12H150, 8 STAGE	1.00	EA	11,691.52	11,691.52 t
COMPLETE OILER KIT	1.00	EA	25.00	25.00 t
COUPLING, HS, 1 11/16" 10V	1.00	EA	30.00	30.00 t
GASKET, DISCHARGE, 10"	1.00	EA	7.58	7.58 t
GASKET, RED RUBBER, SQ	1.00	EA	18.45	18.45 t
HEADNUT, 1 11/16" 10V LH	1.00	EA	138.01	138.01 t
HEADSHAFT, 1 11/16 IN X 52 IN, 10V LH	1.00	EA	333.96	333.96 t
O-RING, 2 1/2" STRETCH PLATE	1.00	EA	0.47	0.47 t
PIPE, COLUMN, 10 IN X 20 FT, .250 BUTT	6.00	JT	1,350.00	8,100.00 t
SPIDER, RUBBER, 2 1/2 IN X 10 IN	12.00	EA	10.38	124.56 t

Continued on next page

William Lightcap

Invoice Number 888843  
Project MDC-R-22927  
Page 2 of 2

T&S, 2 1/2 IN X 1 11/16 IN X 20 FT,  
NSJ  
TUBE, STRETCH, 2 1/2" X 21"

1.00	JT	850.00	850.00 t
1.00	EA	220.88	220.88 t

Subtotal MATERIALS

21,997.68

Sales Tax

KS Kansas State 1,429.85  
KS SI Stevens County, Kans: 219.98

1,649.83

Invoice Total

\$ 30,034.51



# Hydro resources

Invoice Number 835535  
 Invoice Date December 31, 2010  
 Customer ID LIGH0801  
 Terms Net 30 Days  
 Project MDC-R-01697  
 PO Number

Page 1 of 1

Please remit payment to  
 Hydro Resources - Mid Continent, Inc.  
 PO Box 639  
 Garden City, Kansas 67846  
 TX: 806-948-4421 and KS: 620-277-2389  
 Contractor's Licenses

Bill Lightcap  
 3007 Corte Hermosa  
 New Port Beach, CA 92660

Manager Kenneth R. Rauhut

NW 27-31-37 STEVENS

	Current Qty	Unit of Measure	Rate	Current Amount
<b>LABOR</b>				
Drill Cased 16" Irrigate Well	498.00	FT	36.00	17,928.00
Other ~Haul water to drill site	1.00	LS	1,250.00	1,250.00
WELL Testing & Com w/ pmp & en	1.00	LS	2,900.00	2,900.00
Subtotal LABOR				22,078.00

	Current Qty	Unit of Measure	Rate	Current Amount
<b>MATERIALS</b>				
ALCOMER 110 RD 55 LBS	1.00	55LB	216.00	216.00 t
BASE, CONCRETE PUMP AND MOTOR	1.00	EA	1,875.00	1,875.00 t
CASING, BLANK, 16 IN X .250 & GRAVEL PACK	498.00	FT	45.00	22,410.00 t
CHLORINE, LIQUID 9.2%	275.00	GL	5.05	1,388.75 t
GUAR GUM, SUPER GG HV, 50 LB	12.00	50LB	202.50	2,430.00 t
SCREEN, AGRI, 16 IN X 20 FT X .080	160.00	FT	57.00	9,120.00 t
SEAL, BENTONITE SURFACE	20.00	FT	60.00	1,200.00 t
SODA ASH 50 LB	1.00	50LB	27.00	27.00 t
TUBE, 1" WATER LEVEL MEASURING	483.00	FT	3.50	1,690.50 t
Subtotal MATERIALS				40,357.25

KS Kansas State 2,542.51

Sales Tax 2,542.51

Invoice Total \$ 64,977.76



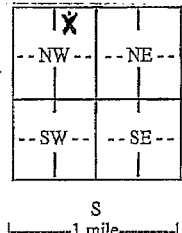
**WATER WELL RECORD**

**Form WWC-5**

Division of Water Resources App. No.

3,179; 4986; 8,486

<b>1 LOCATION OF WATER WELL:</b> County: Stevens	Fraction ¼ NW ¼ NE ¼ NW ¼	Section Number 27	Township No. T 31 S	Range Number R 37 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> approx. 4 mi southeast of Ulysses, KS, from Hwy 25 and Grant/Stevens County line		<b>Global Positioning System (GPS) information:</b> Latitude: .37.3286..... (in decimal degrees) Longitude: 101.33292..... (in decimal degrees) Elevation: 3098 Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input checked="" type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: .....) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m		
<b>2 WATER WELL OWNER:</b> Bill Lightcap RR#, Street Address, Box #: 3007 Corte Hermosa City, State, ZIP Code : New Port Beach, CA 92660				

<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> N 	<b>4 DEPTH OF COMPLETED WELL</b> 498..... ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 300.....ft. below land surface measured on mo/day/yr. 12/30/10..... Pump test data: Well water was..... 3.27.....ft. after..... 4..... hours pumping..... 1330..... gpm EST. YIELD.....gpm. Well water was.....ft. after..... hours pumping..... gpm Bore Hole Diameter 24.....in. to 498.....ft., and .....in. to .....ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted..... Water well disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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**5 TYPE OF CASING USED:**  Steel  PVC  Other .....

CASING JOINTS:  Glued  Clamped  Welded  Threaded  
 Casing diameter .16..... in. to 498..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface .12..... in., Weight 42.09.....lbs./ft., Wall thickness or gauge No. .0.250.....

**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... 333..... ft. to ... 493..... ft., From ..... ft. to ..... ft.  
 From..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From... 20..... ft. to ... 498..... ft., From ..... ft. to ..... ft.  
 From..... ft. to ..... ft., From ..... ft. to ..... ft.

**6 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....

Grout Intervals: From 0..... ft. to .20..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

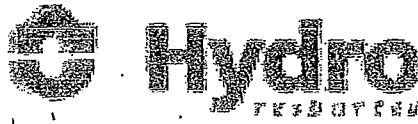
What is the nearest source of possible contamination:  
 Septic tank  Lateral lines  Pit privy  Livestock pens  Insecticide storage  Other (specify below)  
 Sewer lines  Cesspool  Sewage lagoon  Fuel storage  Abandoned water well  
 Watertight sewer lines  Seepage pit  Feedyard  Fertilizer storage  Oil well/gas well  None Detected

Direction from well ..... Distance from well .....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	top soil	195	208	sand fine to med coarse
2	34	brown sandy clay	208	224	brwn sndy cly w/ few snd strips
34	39	fine sand	224	360	snd fn-md crs sm grvl few cly strng
39	60	brown clay	360	366	brown sandy clay w/ few snd strips
60	71	snd fine-md coarse w/ few cly strngs	366	460	snd fn-md crs sm grvl cpl cly strng
71	105	brown clay	460	471	snd fine-med w/ some cly stringers
105	135	sand fine to med coarse	471	484	snd fine-med coarse
135	141	brown sandy clay	484	493	snd fine to med w/ few cly stringer
141	165	sand fine to med coarse	493	497	soap stone
165	195	brown sndy cly w/ couple snd beds	497	498	red bed

**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) 12/30/10..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145..... This Water Well Record was completed on (mo/day/year) 12/31/11..... under the business name of Hydro Resources..... 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 785-296-5522. 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>.



3795 W. Jones Ave.  
620-277-2389  
FAX 620-277-0224

BILL LIGHTCAP CELL 949-584-4955  
OWNER: DARRELL MAY CELL 620-420-1100

P.O. Box 639  
Garden City, KS 67846

CUSTOMER'S NAME: BILL LIGHTCAP DATE 7-2-10  
STREET ADDRESS: 3007 CORTE HERMOSA TEST# 1 E.LOG NO  
CITY & STATE: NEWPORT BEACH CALIFORNIA 92660 DRILLER Dale Guinn  
COUNTY Stevens QUARTER NW SECTION 27 TOWNSHIP 31 RANGE 37

RIG# 37 WO 974

WELL LOCATION

LOCATION: \_\_\_\_\_  
GPS: N 37.32886 W 101.33265 Elevation: 3098  
33272

%	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL: <u>300'</u>
	From	Pay	To		Proposed Well Depth: <u>498'</u>
	0		2	Top Soil	
	2		34	Brown Sandy clay	
	34		39	Fine Sand	
	39		60	Brown Clay	
	60		71	Sand fine to med course w/ few clay stringers	
	71		105	Brown Clay	
	105		135	Sand fine to med course	
	135		141	Brown sandy clay	
	141		165	Sand fine to med course	
	165		195	Brown sandy clay w/ couple sand beds	
	195		209	Sand fine to med course	
	209		224	Brown sandy clay w/ few sand stripes	
750	25	224 350	360	Sand fine to med course small gravel few clay stringers from 341' to 348'	
60	10	360	366	Brown sandy clay w/ few sand stripes	
2550	25	366	460	Sand fine to med course small gravel w/ couple clay stringers	
165	15	460	471	Sand fine to med w/ some clay stringers	
525	25	471	484	Sand fine to med course	
90	10	484	493	Sand fine to med w/ few clay stringers	
		493	497	Sandstone	
374		497	520	Red Bed	
		173			

Max Gel -1  
Grout -5  
Hole Plug -5  
Perma Plug -1

28 567

Complete Summary for LIGHTCAP FAMILY TRUST  
 IRR - Person Id: 68749  
 WILLIAM LIGHTCAP  
 6735 CAMARIDGE LAND, CINCINNATI, OH 45243  
 513-675-3278 lightcap.wl@gmail.com

Date Submitted: 29-JAN-23  
 Reported by: stephanie a may, daryl.landstephaniemay@gmail.com, 620-453-1076  
 Tenant

Part A: Points of Diversion Summary

Total water used: 345,523,410 Gallons (1,060 AF)  
 \* prorated acres

File Number	Meter Readings	Hours & Rate	Acres Irrigated	Crop	Type System	Type Energy	Chem	Quantity	Depth to Water	Depth of Well	Date Well Meas.	Comment
3179-00 4979'N 3504'W 27-31-37W NW NE NW CIN: 2	Begin Meter : 993.085 End Meter: 53.456		488	corn wheat (25)	Center Pivot with Drop Nozzles Num End Guns: 0	Natural Gas	N	1,060.37 Acre Feet (Estimated) Reason: the meter rolled over twice this year since the starting and ending numbers were so close to zero. we have the allotment of 1186 af, used 1060 so we should still be in compliance.				
4986-00 4979'N 3504'W 27-31-37W NW NE NW CIN: 2												Reported under A 3179 00

File Number	Meter Readings	Hours & Rate	Acres Irrigated	Crop	Type System	Type Energy	Chem	Quantity	Depth to Water	Depth of Well	Date Well Meas.	Comment
8486-00 4979'N 3504'W 27-31-37W NW NE NW CIN: 2												Reported under A 3179 00