

GMD3 Change Review

File No(s).: 7641.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: City of Garden City.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? .

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-23-3

Point of diversion ID No(s) 04 being changed.

	ft. North	ft. West				
Authorized PD	2039	368	sect. 6-24-32			
Proposed PD	2658	1296				
Difference	-619 n	-928 w				
a2 + b2 = c2	383161	861184	1115.502 foot move NW			

GPS for proposed PD: Lat: 37.99683 Long: -100.86961.

Is proposed PD stacking on existing WRs? NO.

Is Proposed PU overlapping existing WRs? No change.

Land Owner(s) notified: .

Name .

Name .

Address .

Address .

Zip .

Zip .

Neighboring certified well(s) notified: .

Name .

Name .

Address .

Address .

Zip .

Zip .

Domestic well(s) notified: .

Name .

Name .

Address .

Address .

Zip .

Zip .

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

City app to move the well for better production and also be able to locate the well outside the main cemetery land.

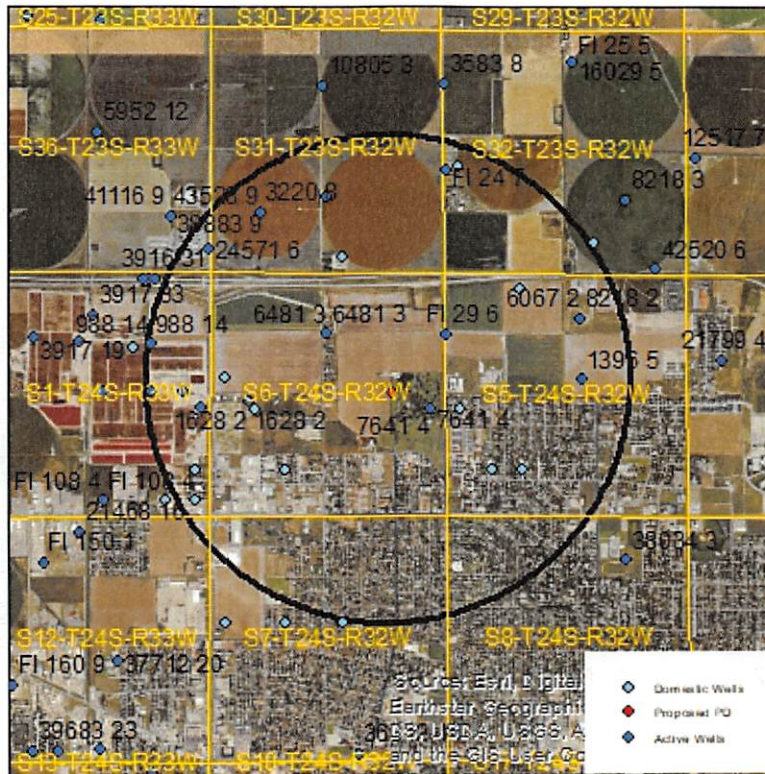
Proposed spacing is not met (2300') to WR FI 29, HOWEVER the spacing is improved from current spacing.

Is a waiver needed: Distance moved is less than half mile. Minimum spacing to FI29 not met, but does improve current spacing that is not met by 292'.

Recommendation: .

Evaluation of proposed moves for Water Right No. 7641

Proposed: Move 7641 899 ft to the northwest.



Wells within 1 mile: 6481 ID3, 1628 ID2, 17785 ID7, 3220 ID8, 988 ID14, 3917 ID26, 3917 ID32, 3917 ID22, FI 24 ID7, FI 29 ID6, 6067 ID2, 1396 ID5, the north domestic well in the southwest ¼ of section 6-24-32, the south domestic well in the southwest ¼ of section 6-24-32, a domestic well in the northwest ¼ of section 6-24-32, a domestic well in section 31-23-32, the north domestic well in the southeast ¼ of section 1-24-33, the south domestic well in the southeast ¼ of section 1-24-33, a domestic well in section 32-23-32, the northwest domestic well in the southwest ¼ of section 5-24-32, the central domestic well in the southwest ¼ of section 5-24-32, and the southeast domestic well in the southwest ¼ of section 5-24-32.

Average saturated thickness in Section 6-24-32 is 170 ft (based upon water table elevation at monitoring well in section 31-23-32 and local drillers logs). For saturated thicknesses between 150 and 200 ft, the maximum allowable Theis drawdown to neighboring critical wells is 3.5 ft.

50 year Theis Analysis: The following values were used to run the analysis:

$S = 0.07947$, $T = 163.6 \text{ ft}^2/\text{day}$, $t_{p\text{current}} = 0 \text{ days}$ (well has not been used in more than 20 years), $Q_{\text{current}} = 0 \text{ gpm}$, $t_{p\text{proposed}} = 8 \text{ hrs/day over 184 days}$, $Q_{\text{proposed}} = 350 \text{ gpm}$.

Theis drawdowns calculations are as follows:

6481 ID3: Net drawdown = **16.3 ft**

1628 ID2: Net drawdown = **11.4 ft**

17785 ID7:	Net Drawdown = 8.2 ft
3220 ID8:	Net drawdown = 7.4 ft
24571 ID6:	Net drawdown = 7.1 ft
988 ID14:	Net drawdown = 6.6 ft
3917 ID26:	Net drawdown = 6.7 ft
3917 ID32:	Net drawdown = 8.0 ft
3917 ID22:	Net drawdown = 8.7 ft
FI 24 ID7:	Net drawdown = 7.3 ft
FI 29 ID6:	Net drawdown = 17.3 ft
6067 ID2:	Net drawdown = 8.4 ft
1396 ID5:	Net drawdown = 8.9 ft
Domestic N SW 6-24-32:	Net drawdown = 11.7 ft
Domestic S SW 6-24-32:	Net drawdown = 12.2 ft
Domestic NW 6-24-32:	Net drawdown = 10.0 ft
Domestic 31-23-32:	Net drawdown = 11.4 ft
Domestic N SE 1-24-33:	Net drawdown = 7.9 ft
Domestic S 1-24-33:	Net drawdown = 7.4 ft
Domestic 32-23-32:	Net drawdown = 7.0 ft
Domestic NW SW 5-24-32:	Net drawdown = 18.8 ft
Domestic C SW 5-24-32:	Net drawdown = 12.8 ft
Domestic SE SW 5-24-32:	Net drawdown = 11.0 ft

All effects on wells within 1 mile exceed the maximum allowable drawdown of 3.5 ft, so critical well evaluation is necessary for each of them.

Critical Well Evaluation:

6481 ID3: Water column = 170 ft (no log available, assumed well is drilled to bottom of aquifer)

DP = 16.32 ft (based upon 50 year Theis calculation using the above parameters)

DE = 43.9 ft (based upon water table declines from the GMD3 model over 25 years)

DD = 0 ft (well not operated since 2004)

DT = 60.2 ft

EDC = $0.4 * 170 \text{ ft} = 68 \text{ ft}$

PDC = $170 \text{ ft} - 60 \text{ ft} = 110 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (60.2 ft) is less than the EDC, so this well is **not critical**.

1628 ID2: Water column = 170 ft

DP = 11.36 ft

DE = 43.9 ft

DD = 0 ft (well not operated since 2006)

DT = 55.3 ft

EDC = $0.4 * 170 \text{ ft} = 68 \text{ ft}$

PDC = $170 \text{ ft} - 60 \text{ ft} = 110 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (55.3 ft) is less than the EDC, so this well is **not critical**.

17785 ID7: Water column = 171 ft

DP = 8.19 ft

DE = 58.4 ft

DD = 23.57 ft ($S = 0.2335$, $T = 74,339 \text{ gpd/ft}$, $Q = 685 \text{ gpm}$, $tp = 63 \text{ days}$, $\text{efficiency} = 70\%$)

DT = 90.2 ft

EDC = $0.4 * 171 \text{ ft} = 68.4 \text{ ft}$

PDC = $171 \text{ ft} - 60 \text{ ft} = 111 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (90.2 ft) is greater than the EDC, so this well is **critical**.

3220 ID8: Water column = 174 ft

$$DP = 7.44 \text{ ft}$$

$$DE = 58.4 \text{ ft}$$

$$DD = 23.01 \text{ ft (S = 0.235, T = 74,339 \text{ gpd/ft, Q = 700 gpm, tp = 32 days, efficiency = 70\%)}$$

$$DT = 88.9 \text{ ft}$$

$$EDC = 0.4 * 174 \text{ ft} = 69.6 \text{ ft}$$

$$PDC = 174 \text{ ft} - 60 \text{ ft} = 114 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (88.9 ft) is greater than the EDC, so this well is **critical**.

24571 ID6: Water column = 170 ft

$$DP = 7.10 \text{ ft}$$

$$DE = 58.4 \text{ ft}$$

$$DD = 23.01 \text{ ft (S = 0.2335, T = 74,339 \text{ gpd/ft, Q = 700 gpm, tp = 30 days, efficiency = 70\%)}$$

$$DT = 88.5 \text{ ft}$$

$$EDC = 0.4 * 170 \text{ ft} = 68 \text{ ft}$$

$$PDC = 170 \text{ ft} - 60 \text{ ft} = 110 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (88.5 ft) is greater than the EDC, so this well is **critical**.

988 ID14: Water column = 171 ft

$$DP = 6.57 \text{ ft}$$

$$DE = 52.5 \text{ ft}$$

$$DD = 0 \text{ ft}$$

$$DT = 59.1 \text{ ft}$$

$$EDC = 0.4 * 171 \text{ ft} = 68.4 \text{ ft}$$

$$PDC = 171 \text{ ft} - 60 \text{ ft} = 111 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (59.1 ft) is less than the EDC, so this well is **not critical**.

3917 ID26: Water column = 171 ft

$$DP = 6.73 \text{ ft}$$

$$DE = 52.5 \text{ ft}$$

$$DD = 0 \text{ ft (well plugged)}$$

$$DT = 59.2 \text{ ft}$$

$$EDC = 0.4 * 171 \text{ ft} = 68.4 \text{ ft}$$

$$PDC = 171 \text{ ft} - 60 \text{ ft} = 111 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (59.2 ft) is less than the EDC, so this well is **not critical**.

3917 ID32: Water column = 170 ft

$$DP = 7.99 \text{ ft}$$

$$DE = 52.5 \text{ ft}$$

$$DD = 0.76 \text{ ft (S = 0.112, T = 96,428 \text{ gpd/ft, Q = 35.5 gpm, tp = 1 day, efficiency = 70\%)}$$

$$DT = 61.3 \text{ ft}$$

$$EDC = 0.4 * 170 \text{ ft} = 68 \text{ ft}$$

$$PDC = 170 \text{ ft} - 60 \text{ ft} = 110 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (61.3 ft) is less than the EDC, so this well is **not critical**.

3917 ID22: Water column = 170 ft

$$DP = 8.75 \text{ ft}$$

$$DE = 52.5 \text{ ft}$$

$$DD = 0 \text{ ft}$$

$$DT = 61.3 \text{ ft}$$

$$EDC = 0.4 * 170 \text{ ft} = 68 \text{ ft}$$

$$PDC = 170 \text{ ft} - 60 \text{ ft} = 110 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (61.3 ft) is less than the EDC, so this well is **not critical**.

FI 24 ID7: Water column = 190 ft

$$DP = 7.31 \text{ ft}$$

$$DE = 58.8 \text{ ft}$$

$$DD = 22.5 \text{ ft (S = 0.247, T = 69,487 \text{ gpd/ft, Q = 627 \text{ gpm, tp = 49 days, efficiency = 70\%)}$$

$$DT = 88.6 \text{ ft}$$

$$EDC = 0.4 * 190 \text{ ft} = 76 \text{ ft}$$

$$PDC = 190 \text{ ft} - 60 \text{ ft} = 130 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (88.6 ft) is greater than the EDC, so this well is **critical**.

FI 29 ID6: Water column = 175 ft

$$DP = 17.33 \text{ ft}$$

$$DE = 56.1 \text{ ft}$$

$$DD = 141.8 \text{ ft (S = 0.2124, T = 14,113 \text{ gpd/ft, Q = 850 \text{ gpm, tp = 88 days, efficiency = 70\%)}$$

$$DT = 215 \text{ ft}$$

Total drawdown (215 ft) is greater than the water column, so this well is **critical**.

6067 ID2: Water column = 175 ft

$$DP = 8.35 \text{ ft}$$

$$DE = 56.1 \text{ ft}$$

$$DD = 0 \text{ ft}$$

$$DT = 64.5 \text{ ft}$$

$$EDC = 0.4 * 175 \text{ ft} = 70 \text{ ft}$$

$$PDC = 175 \text{ ft} - 60 \text{ ft} = 115 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (64.5 ft) is less than the EDC, so this well is **not critical**.

1396 ID5: Water column = 175 ft

$$DP = 8.93 \text{ ft}$$

$$DE = 56.1 \text{ ft}$$

$$DD = 0 \text{ ft}$$

$$DT = 65.0 \text{ ft}$$

$$EDC = 0.4 * 175 \text{ ft} = 70 \text{ ft}$$

$$PDC = 175 \text{ ft} - 60 \text{ ft} = 115 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (65.0 ft) is less than the EDC, so this well is **not critical**.

Domestic N SW 6-24-32:

$$\text{Water column} = 160 \text{ ft}$$

$$DP = 11.72 \text{ ft}$$

$$DE = 43.9 \text{ ft}$$

$$DT = 55.6 \text{ ft}$$

$$EDC = 0.4 * 160 \text{ ft} = 64 \text{ ft}$$

$$PDC = 160 \text{ ft} - 20 \text{ ft} = 140 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (55.6 ft) is less than the EDC, so this well is **not critical**.

Domestic S SW 6-24-32:

$$\text{Water column} = 173 \text{ ft}$$

$$DP = 12.16 \text{ ft}$$

$$DE = 43.9 \text{ ft}$$

$$DT = 56.1 \text{ ft}$$

$$EDC = 0.4 * 173 \text{ ft} = 69.2 \text{ ft}$$

$$PDC = 173 \text{ ft} - 20 \text{ ft} = 153 \text{ ft}$$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (56.1 ft) is less than the EDC, so this well is **not critical**.

Domestic NW 6-24-32:

Water column = 148 ft

DP = 9.96 ft

DE = 43.9 ft

DT = 52.9 ft

EDC = $0.4 * 148 \text{ ft} = 59.2 \text{ ft}$

PDC = $148 \text{ ft} - 20 \text{ ft} = 128 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (52.9 ft) is less than the EDC, so this well is **not critical**.

Domestic 31-23-32:

Water column = 156 ft

DP = 11.43 ft

DE = 58.4 ft

DT = 69.8 ft

EDC = $0.4 * 156 \text{ ft} = 62.4 \text{ ft}$

PDC = $156 \text{ ft} - 20 \text{ ft} = 136 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (69.8 ft) is greater than the EDC, so this well is **critical**.

Domestic N SE 1-24-33:

Water column = 171 ft

DP = 7.88 ft

DE = 52.5 ft

DT = 60.4 ft

EDC = $0.4 * 171 \text{ ft} = 68.4 \text{ ft}$

PDC = $171 \text{ ft} - 20 \text{ ft} = 151 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (60.4 ft) is less than the EDC, so this well is **not critical**.

Domestic S SE 1-24-33:

Water column = 167 ft

DP = 7.37 ft

DE = 52.5 ft

DT = 59.9 ft

EDC = $0.4 * 167 \text{ ft} = 66.8 \text{ ft}$

PDC = $167 \text{ ft} - 20 \text{ ft} = 147 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (59.9 ft) is less than the EDC, so this well is **not critical**.

Domestic 32-23-32:

Water column = 175 ft

DP = 7.04 ft

DE = 58.8 ft

DT = 65.8 ft

EDC = $0.4 * 175 \text{ ft} = 70 \text{ ft}$

PDC = $175 \text{ ft} - 20 \text{ ft} = 155 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (65.8 ft) is less than the EDC, so this well is **not critical**.

Domestic NW SW 5-24-32:

Water column = 146 ft

DP = 18.75 ft

DE = 56.1 ft

DT = 74.9 ft

EDC = $0.4 * 146 \text{ ft} = 58.4 \text{ ft}$

PDC = $146 \text{ ft} - 20 \text{ ft} = 126 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (74.9 ft) is greater than the EDC, so this well is **critical**.

Domestic C SW 5-24-32:

Water column = 21 ft

DP = 12.77 ft

DE = 56.1 ft

DT = 68.9 ft

Total drawdown is greater than the water column, so this well is **critical**. Well was drilled in 1977 and is not deep enough to operate efficiently. It is likely that this well is not currently being used.

Domestic SE SW 5-24-32:

Water column = 101 ft

DP = 11.02 ft

DE = 56.1 ft

DT = 67.1 ft

EDC = $0.4 * 101 \text{ ft} = 40.4 \text{ ft}$

PDC = $101 \text{ ft} - 20 \text{ ft} = 81 \text{ ft}$

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (67.1 ft) is greater than the EDC, so this well is **critical**.

Well is 24 years old and can go deeper.

INPUTS	
Target Section Definition	
Section	6
Township	24
Range	32
Range Direction	w
Target Point Coordinates (NAD27 or NAD83)	
Target Longitude	-100.869610
Target Latitude	37.996830

Load Data and Compute

Instructions

1. Enter values for section, township, range and range direction.
2. Enter **NAD27** or **NAD83** longitude and latitude of target point.
3. Click "Load Data and Compute" button.
4. Use feet distances corresponding to datum of target point.

Loaded Section Data		
From LEOBASE using NAD83		
Corner	Corner Latitudes	Corner Longitudes
SW	37.98954015	-100.88340495
NW	38.00400614	-100.88340461
NE	38.00392886	-100.86574998
SE	37.98955490	-100.86555116
Degrees Longitude per Foot		3.47000410E-06
Degrees Latitude per Foot		2.74609522E-06
Target Point Distances from Corners using NAD83		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	2655	-3975
NW	-2613	-3975
NE	-2585	1112
SE	2649	1170

Target point is In Section

Loaded Section Data		
From LEOBASE using NAD27		
Corner	Corner Latitudes	Corner Longitudes
SW	37.98951700	-100.88296500
NW	38.00398300	-100.88296500
NE	38.00390600	-100.86531100
SE	37.98953200	-100.86511200
Degrees Longitude per Foot		3.47000301E-06
Degrees Latitude per Foot		2.74598553E-06
Target Point Distances from Corners using NAD27		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	2663	-3849
NW	-2605	-3849
NE	-2577	1239
SE	2658	1296

Target point is In Section

Difference (NAD83 Minus NAD27)		
Corner	Corner Latitudes	Corner Longitudes
SW	0.00002315	-0.00043995
NW	0.00002314	-0.00043961
NE	0.00002286	-0.00043898
SE	0.00002290	-0.00043916
Difference (NAD83 Minus NAD27)		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	-8.53652900	-126.78539127
NW	-8.32246081	-126.68740868

Water Rights and Points of Diversion Within 1.00 miles of point defined as:

2658 ft N and 1296 ft W of the SE Corner of Section 6, T 24S, R 32W

Located at: 100.869609 West Longitude and 37.996831 North Latitude

GROUNDWATER ONLY

Proposed

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit
A__ 988 00	IRR	NK	G	5252	--	NW	SE	NE	3700	1300	1	24	33W	14		242.00	242.00	AF
A__ 1396 00	IRR	NK	G	4233	--	SW	SW	NE	-----	-----	5	24	32W	5		465.00	465.00	AF
A__ 1628 00	IRR	NK	G	3057	--	--	--	--	2390	4339	6	24	32W	2		84.00	84.00	AF
A__ 3220 00	IRR	NK	G	4720	--	SE	NW	SW	1270	3973	31	23	32W	8		160.00	160.00	AF
A__ 3917 00	STK	NK	G	4064	--	NE	NE	SE	2320	200	1	24	33W	22		232.01	232.01	AF
Same				5153	--	SW	SE	NE	2687	1304	1	24	33W	26				
Same				4449	--	NC	E2	E2	2875	595	1	24	33W	32				
A__ 6067 00	IRR	NK	G	4494	--	SW	NW	NE	-----	-----	5	24	32W	2		320.00	320.00	AF
A__ 6481 00	IRR	NK	G	1810	--	NW	SW	NE	3920	2600	6	24	32W	3		280.00	280.00	AF
A__ 7641 00	IRR	NK	G*	1019	--	NE	NE	SE	-----	-----	6	24	32W	4		95.00	95.00	AF
A__ 8218 00	IRR	NK	G	4494	--	SW	NW	NE	-----	-----	5	24	32W	2		480.00	160.00	AF
A__ 12807 00	STK	NK	G	4064	--	NE	NE	SE	2320	200	1	24	33W	22		212.00	212.00	AF
Same				5153	--	SW	SE	NE	2687	1304	1	24	33W	26				
Same				4449	--	NC	E2	E2	2875	595	1	24	33W	32				
A__ 17785 00	IRR	NK	G	4416	--	SW	NW	SE	1640	2550	31	23	32W	7		320.00	320.00	AF
A__ 24571 00	IRR	NK	G	4949	--	--	--	--	500	5160	31	23	32W	6		136.00	136.00	AF
P_20180219 00	IND	GY	G	4720	--	SE	NW	SW	1270	3973	31	23	32W	8		2.46	2.46	AF
VFI 24 00	IRR	AA	G	4952	--	NW	NW	SW	2230	5209	32	23	32W	7		160.00	160.00	AF
VFI 29 00	IRR	AA	G	1905	--	NW	SW	NW	3842	5042	5	24	32W	6		230 600.00	600.00	AF *

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	2.46	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	2706.01	.00
Total Vested Amount (AF) =	760.00	.00
TOTAL AMOUNT (AF) =	3468.46	.00

An * after the source of supply indicates a pending application for change for the file number.

An * after the ID indicates a 15 AF exemption was granted for 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 1.00 miles of point defined as:

100.869609 West Longitude and 37.996831 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 988 00	IRR	NK	G
>	BROOKOVER LAND ENTERPRISES		
>	E C BROOKOVER		
>	PO BOX 917		
>	GARDEN CITY KS 67846		
>	-----		
A__ 1396 00	IRR	NK	G

> BROOKOVER LAND ENTERPRISES
> E C BROOKOVER
> PO BOX 917
> GARDEN CITY KS 67846

>-----

A__ 1628 00 IRR NK G

> DARON G REID

>

> 3108 N US HIGHWAY 83

> GARDEN CITY KS 67846

>-----

A__ 3220 00 IRR NK G

> MICHAEL S & JENNIFER STANDLEY

>

> 14550 N VFW RD

> GARDEN CITY KS 67846

>-----

A__ 3917 00 STK NK G

> BROOKOVER LAND ENTERPRISES

> E C BROOKOVER

> PO BOX 917

> GARDEN CITY KS 67846

>-----

A__ 6067 00 IRR NK G

> SHARON JARMER

>

> 702 FLEMING ST

> GARDEN CITY KS 67846

>-----

A__ 6481 00 IRR NK G

> BROOKOVER LAND ENTERPRISES

> E C BROOKOVER

> PO BOX 917

> GARDEN CITY KS 67846

>-----

A__ 7641 00 IRR NK G

> CITY OF GARDEN CITY

>

> PO BOX 998 301 N 8TH ST

> GARDEN CITY KS 67846

>-----

A__ 8218 00 IRR NK G

> ROGER A JARMER

>

> 1515 E US HWY 50

> GARDEN CITY KS 67846

>-----

A__ 12807 00 STK NK G

> BROOKOVER LAND ENTERPRISES

> E C BROOKOVER

> PO BOX 917

> GARDEN CITY KS 67846

>-----

A__ 17785 00 IRR NK G
> HAROLD D & MARY L KNOLL
>
> 3810 N VFW RD
> GARDEN CITY KS 67846

>-----

A__ 24571 00 IRR NK G
> MICHAEL S & JENNIFER STANDLEY
>
> 14550 N VFW RD
> GARDEN CITY KS 67846

>-----

P__20180219 00 IND GY G
> MERIT ENERGY COMPANY LLC
>
> 1701 N KANSAS
> LIBERAL KS 67901

>-----

VFI 24 00 IRR AA G
> LARRY W GOSS
>
> 706 FLEMING ST
> GARDEN CITY KS 67846

>-----

VFI 29 00 IRR AA G
> JAMES A & CHRISTINA R BECKER
>
> 1602 N VAN DITTIE DR
> GARDEN CITY KS 67846

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*Proposed move improves spacing
Currently not met by 292 ft.*

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 7641 00

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AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 7641 00 IRR

Water Right and Points of Diversion Within 1.00 miles of point defined as:

-NE-NE-SE of Section 6 T 24S R 32W

Current

GROUNDWATER ONLY

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=====
File Number    Use ST SR Dist (ft) Q4 Q3 Q2 Q1 FeetN FeetW Sec Twp Rng ID Batt Auth_Quan Add_Quan Unit
A__ 1396 00 IRR NK G      3335 -- SW SW NE ----- 5 24 32W 5      465.00 465.00 AF
A__ 1628 00 IRR NK G      3997 -- -- -- -- 2390 4339 6 24 32W 2      84.00 84.00 AF
A__ 3917 00 STK NK G      5000 -- NE NE SE 2320 200 1 24 33W 22    232.01 232.01 AF
A__ 6067 00 IRR NK G      3794 -- SW NW NE ----- 5 24 32W 2      320.00 320.00 AF
A__ 6481 00 IRR NK G      2776 -- NW SW NE 3920 2600 6 24 32W 3      280.00 280.00 AF
A__ 7641 00 IRR NK G*      0 -- NE NE SE ----- 6 24 32W 4       95.00 95.00 AF
A__ 8218 00 IRR NK G      3794 -- SW NW NE ----- 5 24 32W 2      480.00 160.00 AF
A__ 12807 00 STK NK G      5000 -- NE NE SE 2320 200 1 24 33W 22    212.00 212.00 AF
A__ 17785 00 IRR NK G      5111 -- SW NW SE 1640 2550 31 23 32W 7      320.00 320.00 AF
VFI 24 00 IRR AA G      5162 -- NW NW SW 2230 5209 32 23 32W 7      160.00 160.00 AF
VFI 29 00 IRR AA G      1613 -- NW SW NW 3842 5042 5 24 32W 6      600.00 600.00 AF
=====

```

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=====
Total Net Quantities Authorized:   Direct      Storage
Total Requested Amount (AF) =      .00          .00
Total Permitted Amount (AF) =      .00          .00
Total Inspected Amount (AF) =      .00          .00
Total Pro_Cert Amount (AF) =      .00          .00
Total Certified Amount (AF) =    2168.01          .00
Total Vested Amount (AF) =      760.00          .00
TOTAL AMOUNT (AF) =    2928.01          .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 1.00 miles of point defined as:

-NE-NE-SE of Section 6 T 24S R 32W

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

```

=====
File Number    Use ST SR
A__ 1396 00 IRR NK G
> BROOKOVER LAND ENTERPRISES
> E C BROOKOVER
> PO BOX 917
> GARDEN CITY KS 67846
> -----
A__ 1628 00 IRR NK G
> DARON G REID
>
> 3108 N US HIGHWAY 83
> GARDEN CITY KS 67846
> -----
A__ 3917 00 STK NK G

```


> BROOKOVER LAND ENTERPRISES
> E C BROOKOVER
> PO BOX 917
> GARDEN CITY KS 67846

A__ 6067 00 IRR NK G

> SHARON JARMER

>
> 702 FLEMING ST
> GARDEN CITY KS 67846

A__ 6481 00 IRR NK G

> BROOKOVER LAND ENTERPRISES
> E C BROOKOVER
> PO BOX 917
> GARDEN CITY KS 67846

A__ 7641 00 IRR NK G

> CITY OF GARDEN CITY

>
> PO BOX 998 301 N 8TH ST
> GARDEN CITY KS 67846

A__ 8218 00 IRR NK G

> ROGER A JARMER

>
> 1515 E US HWY 50
> GARDEN CITY KS 67846

A__ 12807 00 STK NK G

> BROOKOVER LAND ENTERPRISES
> E C BROOKOVER
> PO BOX 917
> GARDEN CITY KS 67846

A__ 17785 00 IRR NK G

> HAROLD D & MARY L KNOLL

>
> 3810 N VFW RD
> GARDEN CITY KS 67846

VFI 24 00 IRR AA G

> LARRY W GOSS

>
> 706 FLEMING ST
> GARDEN CITY KS 67846

VFI 29 00 IRR AA G

> JAMES A & CHRISTINA R BECKER

>
> 1602 N VAN DITTIE DR
> GARDEN CITY KS 67846