

LRNRD Aug 27, 2003

Pamphlet for explanation of hours x rate  
(even when meters)

Meter Serial NO, picture

NRD "Painted Number"

GPM - if beginning is 500 and end is 400,  
then report 450

- Conservation VS conventional tillage

↓  
no till, minimum till, ridge till etc

- It would be advantageous to put the same meter  
at the same location every year.

Beginning + Ending #s are absolutely  
critical to complying with the Compact.

- When you remove the meter it is vital to know the readings +  
where it was removed.

Forms - Well Info Form

Meter Report Form

~~NRD~~ Fall Report Form

URNRD Office Sept 3, 2003 Mike Nesbitt + Sid Bartels

August - Generate Meter Servicing (Reading) Sheets

PID - Operators Unique ID

Begin Reading      End Reading

Meter No. 7  
verification

Energy  
Fin type

Can use various methods  
to est. hours based on  
energy source -

★ Electric "KW factor" → billing horsepower

Usually you can take the billing H.P.  $\div 1.34 \approx$  KW factor  
 $\frac{\text{KWH}}{\text{KW factor}} = \text{hours}$

Electric Use Table

Name	Legal Desc.	Total KWH 2001	Total KWH 2002
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Motor Units

gallons  
000      48  
00      3258 ~~00~~ = acrefeet  $\times 12$  = acreinches

acreft = acreft.  
acreinch  $\div 12$  = acrefeet

Certified Acres -

FSA Photos were pulled - wells marked with fields  
★ Ask Bob H. about certified acres and satellite pivot acres.

Possible Adds To URNRD tables

Well ID + Compact Acres

Micrometer      Water Specialties      Sparkings      Rock Wells

Sept 4, 2003 Holdrege

Sept 29 Holdrege  
Sept 18 Imperial  
Oct 15 Holdrege

8 AM

Location of water application - Rich will do a sheet

Multiple meters to one field

★ Draft Instruction Sheet - Double Crop - Same line & same acres

★ Marcie will merge LRNRD & DNR

Hours X Rate :

Hour meters

★ Brenden Look at your (MRNRD) field types & compare to ours →

★ - Andy Bishop FSWiacre retirement program?

★ Recognition for Mike N. to URNRD board from Roger K.P.

★ Get the list & map of "quick response wells" to the NRDs

★ Send e-mail out to find out what NRDs are doing to get <sup>Indust. Form. Mun. GW #s</sup>

MMA ppt presentation ① 20 40 50 100 reductions & 10% increase in pumping uniformly across Nebraska

10 AM

② Cut out pumping in stream cells within 1 mile & 2 miles of streamflow quick response wells

③ Baseline Scenario 1918-2000 2001-2040 then with each NRD off one by one

# Graph of Model Calculated ET Volume - Phreatophytes

Aerial Photos 1939, 1949, ~~1950's~~ 1950's, 1960's  
Look at vegetation cover after flood of 1935

Derrell Martin - Average Depth Pumped Acre-Inch/Acre  
Harvested Irrigated Acres

What is an irrigated acre & how is it defined?  
Need to determine:

- ① Irrigation application variability
- ② How many growers might be affected given a certain limitation of pumpage

- Derrell has developed curves that predict the range of pumpage expected from irrigators based on studies, i.e. How much does it really change water use?

Don Smith @ FSA - July Irrigated Acres numbers across the state - can we get them & what do they mean?

## Model Scenarios

{ LRNRD Jan 1, 2001 completion date }	} 25% 50% of total allocation
{ MRNRD July 1, 1998 completion date }	

↑ reduces acres in recharge equation by same percentages

Quick Response Well Scenarios = Dry Year Cut of  $\approx 10,000$  acre-feet  
50 try 1 mile from stream cell  $\frac{250}{725}$

14.5 inch scenario for all NRDs  
12 inch run for URNRD