Well Registration or Area Permit

Fee Paid:	$70.00 HHSS Fee: $30.00
DNR Cash Fund:	$18.50 WWDF: 21.50
	Billing ID: 51544

Source:	Nebraska On Line	Import Status:	Accepted	Use:	Monitoring (Ground Water Quality)	Owner ID:	51512
Import ID:	14382738425090	Status:	Active Registered Well	Decommission Date:	—	Registration Number:	G-176883
Well ID:	238992	NRD:	Lower Big Blue			Registration Date:	7/31/2015
Last Change User:	hmcpherson	Call Up Code:	—	Call Up Date:	—	Last Change Date:	7/31/2015

Owner:

ContactID	Type	SeqNum	Begin Date	End Date	Name
Display 51512	Owner 1		7/31/2015		Lower Big Blue Natural Resources District,

Contractor:

Certificate ID	FirstName	LastName
39261	Joseph V	Holly

Drilling Firm:

EmployerID	Employer
159179	Holly Well Drilling Co.

A. Well Location: NW1/4SW1/4 of Section 27

Township 8 North, Range 4 (East E/W), Saline County

B. Natural Resource District: Lower Big Blue

	Latitude	Longitude	
Well GPS Coordinates:	40° 37' 53.46''	-096° 58' 10.14''	GPS Required
Lat/Long DD	40.63152	-96.96948	

C. The well is: 2300 feet from the S Section line and 407 feet from the W section line.

D. Street address or block, lot and subdivision: Addr/Sub Div __ Block No __ Lot __

E. Location of water use, if applicable (give legal description): NWSW S27 T8 R4E

G. Well reference letter(s) if applicable: __

Well In A Series

Well Part of a Series with Site Plan: No

Series	# of Wells Reg	Total # Wells	Acres	Acres Cert	NRD Appr	StartDate	EndDate	Comment	Series Reg Num (External Source)	Code	Description	Wells in the Series
241034			No	No		5/27/2015				PRO	Single Project	WellID RegCD StartDate EndDate
												238992 G-176883 5/27/2015

Permits

	Aprvd Date(s)			Aprvd Date(s)	
Area Permit	__ __ __	SWater App Code	__ __ __
GeoPermit	__ __ __	Industrial	__ __ __
MWF	__ __ __	Transfer	__ __ __
WSP	__ __ __	Swater Conduct Code	__ __ __
HHSS	__	Other	__ __
HHSS PWS ID	__	ITN	__ __
NDEQ	__		

5. Purpose of Well Monitoring (Ground Water Quality)

Other Use __

Notes __

7. Replacement well information.

Well Considered a replacement by NRD(WellID, RegCD)

A. Is this well a Replacement well? No Repl No __ NRD Approval Date __ Well Replacement Reg CD

B. Registration number of abandoned well: __   If not registered, date abandoned well was constructed __

C. Abandoned well last operated __   D. Replacement well is __ feet from abandoned well.

E. Original well pump column size: __ inches.

F. [ ] Original water well decommissioned __
[ ] I hereby certify that the original water well will be decommissioned within 180 days after such construction of the replacement water well.
[ ] I hereby certify that the original water well will be modified and equipped to pump 50 gallons per minute or less within 180 days after such construction of the replacement water well.
  [ ] Livestock
  [ ] Monitoring
  [ ] Observation
  [ ] Nonconsumptive or de minimus use approved by the applicable natural resources district. __
[ ] Decommission/Modification certification form is submitted by landowner (Must be submitted before registering

well)

G. Location of water use of original well: __

Decommission Information

Decommission Date: __ By

8. Pump Information.

A. Is Pump installed at this time? <u>No</u>   Pump present but Well Inactive: <u>No</u>

Free Flowing Well: <u>No</u>   Well active, no pump installed: <u>Yes</u>

B. License No.

C. Pumping Rate __ gallons per minute.   D. Pumping water level __ feet.

E. Drop pipe diameter __ inches.   F. Length of pipe __ in feet.

G. Pump equipment installed: __   H. Pump Brand/Type __

I. Will this well be used to pump 50 gpm or less? <u>Yes</u>

9. Well Construction Information

A. Total well depth: <u>178</u> feet.   B. Static water level <u>16</u> feet.

C. Well Construction began: <u>5/26/2015</u>   D. Well Construction Completed: <u>5/27/2015</u>

E. Bore hole diameter in inches. Top <u>8.5</u>   Bottom <u>8.5</u>

F. Casing and Screen Joints are: <u>Threaded</u>   Other Joints description: __

H. Total Estimate Capacity of Well <u>75</u> gallons per minute.   I. Pumping water level at capacity: <u>178</u> feet.

10. Well Construction (Casing & Screen) - c, d, e & f measurements should be in inches to three decimal places
Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
238992	0	168	casing	4.026	4.5	0.237		pvc	env
238992	168	178	screen	4.026	4.5	0.237	0.02	pvc	env

* are in Feet, all else is in inches

11. Grout and Gravel Pack
Record Count = 4

WellID	FromDepth	ToDepth	Grout/Gravel	Material Description[1]	Quantity Gravel[2]	Volume &Type Grout[3]
238992	0	22	grout	bentonite		10 50 lb bags bent chips
238992	22	157	grout	bentonite & fine sand		40 cu ft high solids bent grout slurry
238992	157	164	grout	bentonite		3 50 lb bags bent chips
238992	164	178	gravel	12/20 sand	11 50 lb bags	

* are in Feet, all else is in inches

[1]Description of gravel pack, i.e. engineered gravel pack, or gravel pit description (1/4 down) or brand name (best sand) natural formation, drilling cuttings, soil backfill

[2]Quantity #cubic yards, #Tons, #Sacks - (for drilling cuttings and soil backfill estimate quantity) Calculation assistance available on web

[3]Volume & Type: #gallons of a slurry, #Barrels of a slurry, #sacks used in the slurry, #Bags of non-slurry bentonite (chip-pellet-granular)

12. Well Geologic Materials Logged

WellID	FromDepth*	ToDepth*	Type	Hardness	Color	Other/Drilling Action
238992	0	3	Top Soil	Soft	Black	
238992	3	18	Clay	Soft	Brown	
238992	18	30	Sand with gravel	Loose	Brown	
238992	30	45	Sand med-coarse	Loose	Brown w/clay layers	
238992	45	68	Clay	Soft	Blue	
238992	68	147	Sand with Clay/Silt	Loose	Blue	
238992	147	180	Sand fine-med	Loose	Brown	

* are in Feet.