GSI Job No. 137393 **MW-49**

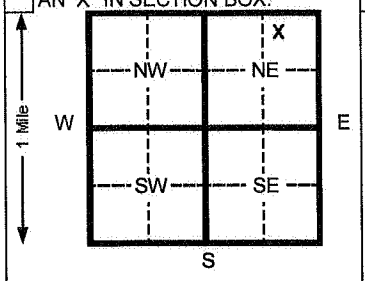
WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. _____

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: **Finney**	**NW** ¼ **NE** ¼ **NE** ¼	**3**	T **24** S	R **34** W

Distance and direction from nearest town or city street address of well if located within city?
9480 W. Highway 50 – Holcomb

2 WATER WELL OWNER: **Northern Natural Gas**
RR#, St. Address, Box # : **1111 S. 103rd St.**
City, State, ZIP Code : **Omaha, NE 68124**
Board of Agriculture, Division of Water Resources
Application Number:

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



4 DEPTH OF COMPLETED WELL **157.15** ft. ELEVATION: **2950.10 (TOC)**
Depth(s) Groundwater Encountered 1 **142** 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 _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
Bore Hole Diameter **8.25** in. to **169** ft. and _____ in. to _____ ft.
WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
2 Irrigation 4 Industrial 7 Lawn and garden (domestic) **10 Monitoring 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**

OFFICE USE ONLY

5 TYPE OF BLANK CASING USED: 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued ____ Clamped ____
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
2 PVC 4 ABS 7 Fiberglass _____ Threaded **Flush**
Blank casing diameter **2** in. to **132.15** ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
Casing height above land surface **32.4** in., weight **0.703** lbs./ft. Wall thickness or gauge No. **SCH. 80**
TYPE OF SCREEN OR PERFORATION MATERIAL: **7 PVC** 10 Asbestos-cement
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____
2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
1 Continuous slot **3 Mill slot** 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____
SCREEN-PERFORATED INTERVALS: From **132.15** ft. to **157.15** ft. From _____ ft. to _____ ft.
From _____ ft. to _____ ft. From _____ ft. to _____ ft.
GRAVEL PACK INTERVALS: From **129** ft. to **169** ft. From _____ ft. to _____ ft.
From _____ ft. to _____ ft. From _____ ft. to _____ ft.

T

R

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout **3 Bentonite** 4 Other _____
Grout Intervals From **2** ft. to **129** 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? How many feet?

FROM	TO	CODE	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	11	ML	Silt, tr to some clay & sand, brn to yllw brn	80	88	Clay (CL), some silt, tr to some sand, yllw brn
11	21	CL	Clay, some silt, tr sand, brn to lt brn	88	98	Sand (SW), tr silt, vf to coarse, yllw brn
21	25	ML	Silt, some sand & clay, yllw brn	98	111	Clay (CL), some silt, tr to some sand, yllw brn
25	30	CL	Clay, some sand & silt, lt yllw brn	111	122	Silt (ML), some sand, tr to some clay, lt yllw brn to brn
30	47	ML	Silt, some sand, tr to some clay, lt brn to brn	122	136	Clay (CL), some silt, tr sand, lt brown to brn
47	55	CL	Clay, tr to some silt & sand, lt brn to brn	136	142	Silt (ML), some sand, tr to some clay, brn
55	61	ML	Silt, some sand, tr to some clay, lt brn	142	163	Sand (SM), tr to some silt, lt brn, vf to coarse
61	65	SM	Sand, some silt, vf to medium grained, brn	163	167	Clay (CL), some silt, lt brn
65	70	SW	Sand, tr silt, vf to coarse, lt brn, tr gravel	167	169	Sand (SW), fine to coarse, brn, tr gravel
70	80	ML	Silt, tr to some sand & clay, brn	Survey date:	11/21/13	Northing: 1808829.76 Easting: 582529.80

SEC

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/yr) **11/06/13** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **531** This Water Well Record was completed on (mo/day/yr) **11/27/13**
under the business name of **GSI Engineering, LLC** by (signature)

INSTRUCTIONS: Please fill in blanks and circle the correct answers. Send three copies to Kansas Department of Health and Environment, Bureau of Water, 1000 S W Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.