WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Washington	Fraction: SW ¼ SW ¼ NE ¼	Section Number: 2	Township Number: T 3 S	Range Number: R 3 (E)/W

Distance and direction from nearest town or city street address of well if located within city?
313 W. College Str., Washington, Kansas

2 WATER WELL OWNER: Twin State Energy LLC
RR#, St. Address, Box # : P.O. Box 626
City, State, ZIP Code : Beatrice, Nebraska 68310

Board of Agriculture, Division of Water Resources
Application Number:

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

N
NW | NE
X
W | E
SW | SE
S
1 Mile

4 DEPTH OF COMPLETED WELL ..... 28 ..... ft. ELEVATION: ..... 1335.71 .....
Depth(s) Groundwater Encountered 1. ..... ft. 2. ..... ft. 3. ..... ft.
WELL'S STATIC WATER LEVEL ... 21.46 ... ft. below land surface measured on mo/day/yr ..... 2/5/98 .....
Pump test data: Well water was .... NA .... ft. after ..... hours pumping ..... gpm
Est. Yield .. NA ... gpm: Well water was ..... ft. after ..... hours pumping ..... gpm
Bore Hole Diameter .... 8 .... in. to ..... 28 ..... ft., and ..... in. to ..... ft.
WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
2 Irrigation 4 Industrial 7 Lawn and garden only (10) Monitoring well .....
Was a chemical/bacteriological sample submitted to Department? Yes..... No ✓ .....; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes No ✓

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 ✓ .....
Blank casing diameter ..... 2 ..... in. to ..... 18 ..... ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.
Casing height above land surface ..... -6.12 ..... in., weight ..... Sch 40 ..... lbs./ft. Wall thickness or gauge No. .....
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 ..... 18 ..... ft. to ..... 28 ..... ft., From ..... ft. to ..... ft
From ..... ft. to ..... ft., From ..... ft. to ..... ft
GRAVEL PACK INTERVALS: From ..... 16 ..... ft. to ..... 28 ..... ft., From ..... ft. to ..... ft
From ..... ft. to ..... ft., From ..... ft. to ..... ft

6 GROUT MATERIAL: 1 Neat cement (2) Cement grout (3) Bentonite 4 Other .....
Grout Intervals: From ..... 0 ..... ft. to ..... 14 ..... ft., From ..... 14 ..... ft. to ..... 16 ..... ft., From ..... ft. to ..... ft
What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well
1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well
2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage (16) Other (specify below)
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage ... AST Tanks .....
Direction from well? South How many feet? 5

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1	Gravel, fill,			
1	3	Clay, Dark Brown			
3	6	Clay, Grey/Green			
6	13	Clay, Red Brown			
13	28	Clay, Orange-Brown			
					MW11 , Tag # 00264552 , Flushmount
					Project Name: Farmers Oil Company
					GeoCore # 556 , KDHE # A5 101 40126

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/year) ..... 1/21/98 ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. ..... 527 ..... This Water Well Record was completed on (mo/day/yr) ..... 2/10/98 ..... under the business name of GeoCore Services, Inc. by (signature) [signature]

INSTRUCTIONS: Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼