

KCC District 2

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

313 Spruce Street Halstead, Kansas 67056 (316) 835-2224

Equus Beds Groundwater
Management District No. 2

APR 25 2007

RECEIVED

FORM CP-15**APPLICATION FOR PERMIT TO DRILL AND CONSTRUCT
AN UNCASSED CATHODIC PROTECTION BOREHOLE**Permit Application Number CPB- 53Equus Beds Groundwater
Management District No. 2

APR 25 2007

RECEIVED

To the Equus Beds Groundwater Management District No. 2:

Comes now the Applicant Hayse Management Services for Sim Crude

Whose Address is

PO Box 107 Mullinville Kansas 67109
(P.O. Box or Street) (City) (State) (Zip Code)Telephone No. 620 548-2369
(Area Code) (Telephone)

And makes application to the Equus Beds Groundwater Management District No. 2 for a permit to drill and construct a cathodic protection borehole in and through the Equus Beds aquifer in the county of Reno, State of Kansas, to the extent and in accordance with the following:

1. The location of the proposed cathodic protection borehole is in the NE quarter of the NE NW quarter of the NW quarter of Section 22, Township 24, south, Range 4 west and more particularly described as being near a point 5250 feet north and 2890 feet west of the apparent southeast corner of said section. (Long View Road, Reno County, Ks) 5250 FNL 2890 FEL 22-T24S-R4W
2. The proposed use of the cathodic protection borehole is to provide cathodic protection of the applicant's Transmission Pipeline facility from electrochemical corrosion.
3. The land surface elevation is 1465 feet above mean sea level and the method of measurement used was (b) topographic map.
4. The depth to surface or top of bedrock or shale is 310 +/- feet below land surface.
5. The depth to the water table of the fresh water aquifer is 11 feet below land surface.
6. Aquifer salinity as indicated by chloride concentration is 190 mg/L and was determined by: (a) published report from (b) test well data.
7. The total depth of the cathodic protection borehole will not penetrate the bedrock surface and will be completed 81 feet below land surface.
50' - per Dale Hayse 5-1-07
TDD
8. The diameter of the uncased cathodic protection borehole will be a minimum of 8 inches.

RECEIVED

KANSAS CORPORATION COMMISSION

MAY 6 2007

EBGWMD2 Form -CP-15

12-Dec-00

9. Non toxic anodes that meet or exceed the American Water Works Association standards for use in public water supply systems and adopted through K.A.R. 82-3-707 will be installed beginning at a depth of 20 feet below land surface to a total depth of 87 feet below land surface.
50' per Dale Hayse 5-1-07 TPA
10. Anode conductor grout that is certified by the National Sanitation Foundation to meet the American National Standards Institute Standard 60 for use in drinking water treatment chemicals and adopted through K.A.R. 82-3-707 will be installed beginning at a depth of 10 feet below land surface.
11. The uncased borehole from the top of the anode conductor grout will be grouted with (c) bentonite clay grout from a total depth of 10 feet below land surface to 3 feet below land surface.
12. The grouted uncased borehole will be backfilled with clean compacted topsoil from 3 feet below land surface to 0 feet above land surface.
13. Will the use of a drilling pit threaten to contaminate fresh and usable groundwater?
 _____ Yes X No. If Yes, complete sections (a) and (b). Circle one: (a) the pit will be: (i) constructed so that the bottom and side have a hydraulic conductivity no greater than 1×10^{-7} cm/sec., (ii) constructed above ground, or (iii) a portable above ground tank, and (b) the applicant has submitted a surface pond application to the Director, Conservation Division, Kansas Corporation Commission. _____ Yes
 _____ No.
14. A construction plan is submitted with the application and shows or illustrates the information contained in paragraphs #4 through #12.
15. The cathodic protection borehole will be abandoned and plugged if it: (a) is not completed due to unforeseen circumstances, (b) either contaminates or threatens to contaminate a fresh water aquifer, (c) encounters uncontrollable artesian flow, (d) has exhausted its anodes and replacement anodes are not installed within one year, or (e) has not been used for one year and the applicant does not demonstrate intentions to use it.
16. The applicant understands and is aware that the Equus Beds Groundwater Management District No. 2 has adopted a ^{resolution} ~~policy~~ that establishes minimum standards to drill, construct and ^{regulation} ~~abandon~~ cathodic protection boreholes and agrees to comply with the adopted ~~standard and policy~~. Further, the applicant may, pursuant to District policy D.S.P. 9007.1 appeal these standards and request a waiver of an adopted standard.
17. Dated at Mullinville, Kansas, this 27 day of February, 2007.

_____ Hayse Management Services _____

(Applicant)

By _____

(Signature)

RECEIVED

APR 13 2007

Equus Beds Groundwater
Management District No. 2

Supervisor

(Title)

MAY 02 2007

CONSERVATION DIVISION
WICHITA, KS

EBGWMD2 Form -CP-15

APPLICANT - DO NOT CONTINUE BELOW DOUBLE LINE

For Equus Beds Groundwater Management District Use

1) Application received on 4/13/07 *modified 4-25-07 + 5-1-07*

2) Application review by Tim Boese

Hydrologist, GMP2
(Title)

3) The application is hereby denied. The denial was based on the following findings:

4) The application meets or exceeds the Cathodic Protection Borehole K.A.R. 82-3-700 and K.A.R. 82-3-705 through K.A.R. 82-3-710 and is hereby approved by Board of Directors, Equus Beds Groundwater Management District No. 2 this 1st day of May, 20 07.

Tim Boese

Equus Beds Groundwater Management District No. 2

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 02 2007

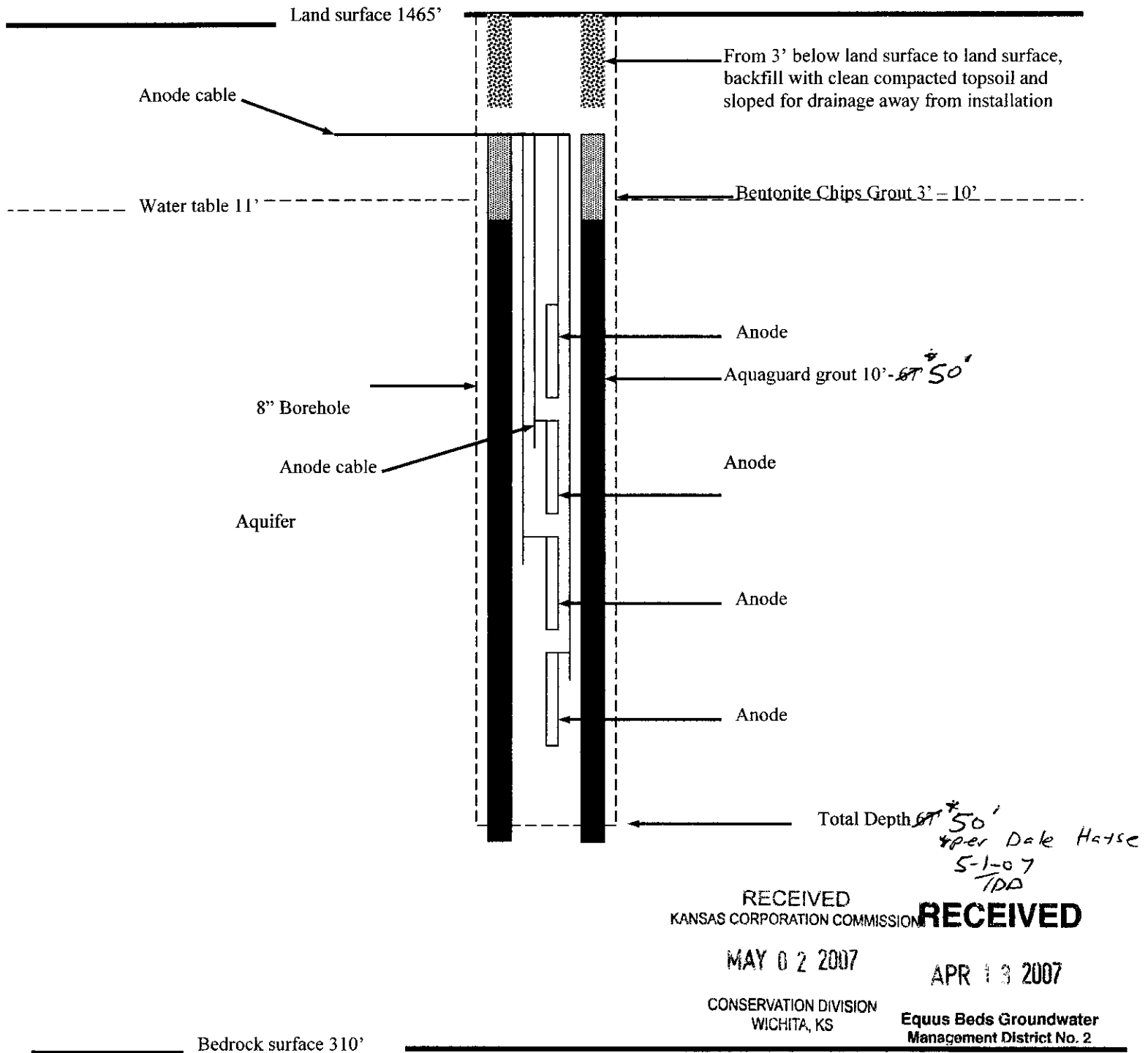
CONSERVATION DIVISION
WICHITA, KS
EBGMD2 Form - CP-15
Rev: 23 Aug 06

EQUUS GROUNDWATER MANAGEMENT DISTRICT NO. 2

CATHODIC PROTECTION BOREHOLE ILLUSTRATION

Uncased Borehole Construction Features

Long View Road
Reno County, Kansas



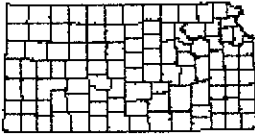


State of Kansas Geographic Information Systems Policy Board. Data Access and Support Center.
Please email qu

WWC5 Well viewer

Section Any Township 1 Range 1 Range Direction E

Overview Map



© 2007 Kansas Geographic Information Systems Policy Board. All rights reserved. WWC5 Well Viewer



Legend

- ☐ Single well
- ☒ Multiple wells
- Yield (in gpm)
 - between 400.00 and 644.95
 - between 644.95 and 900.00
 - unknown Yield
- Township Boundary
- PLSS
- Roads
- County Boundary

Remove monitoring/engineering wells ☐

Color wells based on Estimated yield Well Depth Static water l

Choose Labelling on zoom-in Owner Name Well Depth/Estimated yield St

Zoom Level: 5

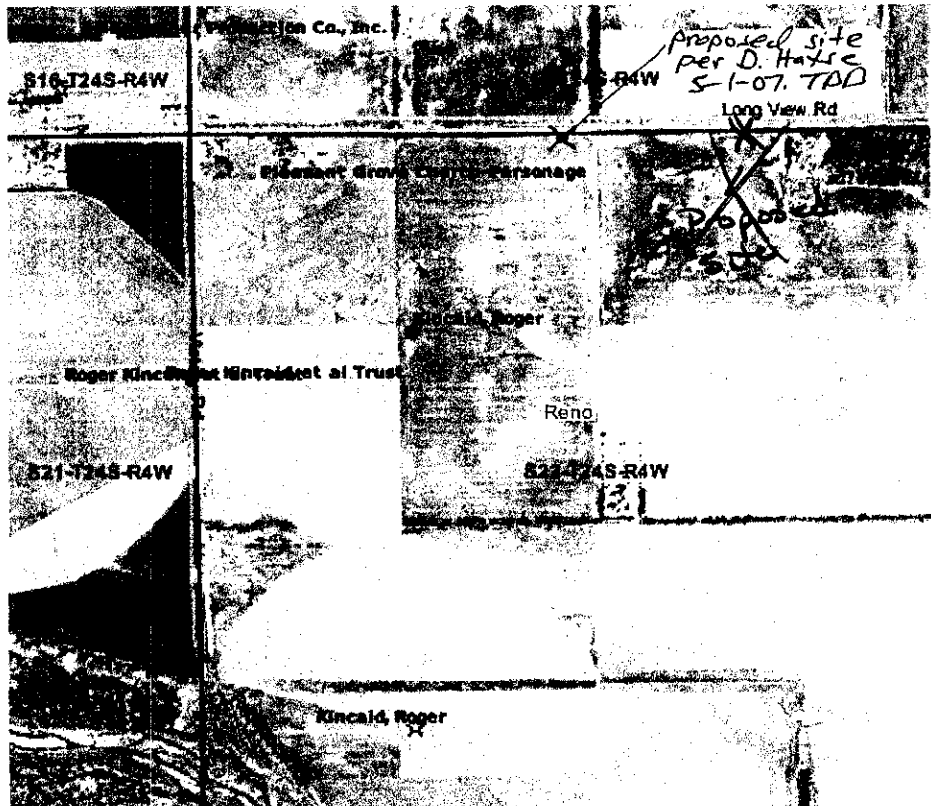
Zoom In

Zoom Out

Pan

Identify

Show Entire State



RECEIVED

RECEIVED
KANSAS CORPORATION COMMISSION

APR 13 2007

MAY 02 2007

Equus Beds Groundwater
Management District No. 2

CONSERVATION DIVISION
WICHITA, KS

4/12/2007