

KCC Dist 2

KCC Oper Lic 33659

CBI - 0102

Yaggy East #1

15-155-21697-00-00

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

NW-SW-SE

770' FSL, 2303 FEL

30-T225-R6W

Well Name: Yaggy #1 East #1

313 Spruce Street
Halstead, Kansas 67056
Phone: (316) 835-2224 Fax: (316) 835-2225

FORM CP-10

**APPLICATION FOR PERMIT TO DRILL AND CONSTRUCT
AN UNCASSED CATHODIC PROTECTION BOREOLE
Referencing Kansas Corporation Commission Regulations
K.A.R. 82-3-700 through K.A.R. 82-3-710**

Permit Application Number CPB - 71

To the Equus Beds Groundwater Management District No. 2:

Applicant: ONEOK NGL Pipeline, L.L.C. KCC Lic 33659

Address: P.O. BOX 29 MEDFORD OK 73759-0029
(P.O. Box or Street) (City) (State) (Zip Code)

Telephone: 580-395-6294
(Area Code) (Telephone)

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 the accordance with the following:

- The location of the proposed cathodic protection borehole is in the NW quarter of the SW quarter of the SE quarter of Section 30, Township 22 south, Range 6 west east, and more particularly described as being near a point 770 feet north and 2303 feet west of the apparent southeast corner of said section.
- The proposed use of the cathodic protection borehole is to provide cathodic protection of the applicant's Storage facility from electrochemical corrosion.
- The land surface elevation is 1569 feet above mean sea level and the method of measurement used was (a) surveyed, (b) topographic map, or (c) other Google Earth.
- The depth to surface or top of bedrock or shale is 60 feet below land surface (bls).
- The depth to the water table of the fresh water aquifer is 10 feet bls.
- Aquifer salinity as indicated by chloride concentration is 215 mg/L and was determined by: (a) published report, (b) test well data, or (c) other _____.
- The total depth of the cathodic protection is 300 feet bls.
- A non metallic surface casing equipped with centralizers will be installed in the surface casing borehole when drilling has penetrated 80 feet bls, which is a minimum of 20 feet below bedrock or shale surface as listed in paragraph #4.

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9. Casing centralizers will be installed on the surface casing beginning at the surface casing's total depth and at 40 feet intervals along the complete length of the surface casing at depths of 3, 40, 80, _____, _____, _____, _____, _____ feet bls.
10. The diameter of the surface casing borehole will be a minimum of six inches larger than the outside diameter of the surface casing. The diameter of the borehole containing the surface casing will be 14 inches and the outside diameter of the surface casing will be 8 inches.
11. The standard dimension ration (SDR) of the surface casing calculated by dividing the surface casing's outside diameter (OD) of 8 inches by its minimum wall thickness (MWT) of 0.5 inches equals 17.25.
12. A pitless surface casing adapter will be installed in the surface casing 3 feet bls.
13. The annular space between the surface casing and the borehole will be grouted using: (a) cement, (b) neat cement, (c) bentonite clay grout, (d) bentonite cement, or (e) other _____ from a total surface casing depth of 0 feet bls to 80 feet bls.
14. The top of the surface casing will be fitted with a watertight cap and will: (a) terminate 3 feet above land surface, (b) terminate in a water resistant and structurally sound vault _____ feet bls, or (c) be buried _____ feet bls.
15. The anodes will be installed beginning at a depth of 150 feet bls to a total depth of 290 feet bls.
16. Anode conductor (backfill) material will be installed beginning at a depth of ~~80~~ 85 ^{TDB} feet bls to a total depth of 300 feet bls.
 GM 02
5-28-14
17. An anode vent pipe will be installed and completed 3 feet above land surface.
18. A concrete base or pad will / will not be constructed around the above ground surface casing or vault.
19. Will the use of a drilling pit threaten to contaminate fresh and usable groundwater?
 Yes No. If Yes, complete sections (a) and (b).
 - a. The pit will be: (i) constructed so that the bottom and sides 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.
20. Has the applicant filed a completed Form KSONA-1 and plat map with this application? Yes No
21. Does the Form KSONA-1 indicate that the applicant has provided the surface owner with a copy of this application, including the Form KSONA-1 and plat map? Yes No.
22. A construction plan is submitted with the application and shows or illustrates the information contained in paragraphs #4 through #18.

23. 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.

24. The applicant understands and agrees to comply with K.A.R. 82-3-700 through 82-3-710. Further, the applicant may request an exception to these regulations pursuant to K.A.R. 82-3-100(b).

25. Dated at _____, Kansas, this 12th day of May, 2014.

ONEOK NGL Pipelines, L.L.C.
(Applicant)
By [Signature]
(Signature)
Env. Engineer, Pipelines
(Title)

APPLICANT DO NOT CONTINUE BELOW DOUBLE LINE
For Equus Beds Groundwater Management District #2 Use

- 1) Application received on 5, 16, 14
2) Application reviewed by Tim Boese
Manager (Title)

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

- 4) The application meets or exceeds Cathodic Regulations K.A.R. 82-3-700 through K.A.R. 82-3-710 and is hereby approved by the Equus Beds Groundwater Management District No. 2 this 28 day of May, 2014.

Tim Boese
Tim Boese, Manager
Equus Beds Groundwater Management District No. 2

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form KSONA-1

July 2010

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**CERTIFICATION OF COMPLIANCE WITH THE
KANSAS SURFACE OWNER NOTIFICATION ACT**

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: C-1 (Intent) CB-1 (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)

OPERATOR: License # 33659
Name: ONEOK NGL PIPELINE, L.L.C.
Address 1: P.O. BOX 29
Address 2: _____
City: MEDFORD State: OK Zip: 73759 + 0029
Contact Person: Troy Prose
Phone: (620) 834-2211 Fax: (_____)
Email Address: _____

Well Location:
SW NW SW SE Sec. 30 Twp. 22 S. R. 6 East West
County: RENO
Lease Name: YAGGY #1 EAST Well #: 1
If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:

Name: ONEOK Hydrocarbon, L.P.
Address 1: 4817 N. Dean Road
Address 2: _____
City: Hutchinson State: KS Zip: 67502 + _____

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Date: 5-12-14 Signature of Operator or Agent: [Signature] Title: Environmental Engineer, Pipelines

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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

**Equus Beds Groundwater
Management District No. 2**

IN ALL CASES, PLEASE FULLY COMPLETE THIS FORM.

Operator: ONEOK HYDROCARBON, L.P.
 Facility Name: YAGGY STORAGE
 Borehole Number: TO-82

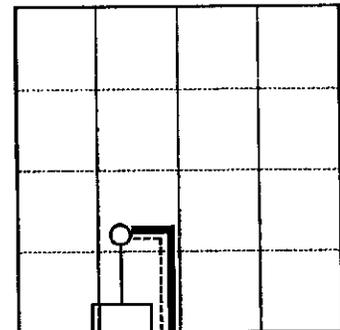
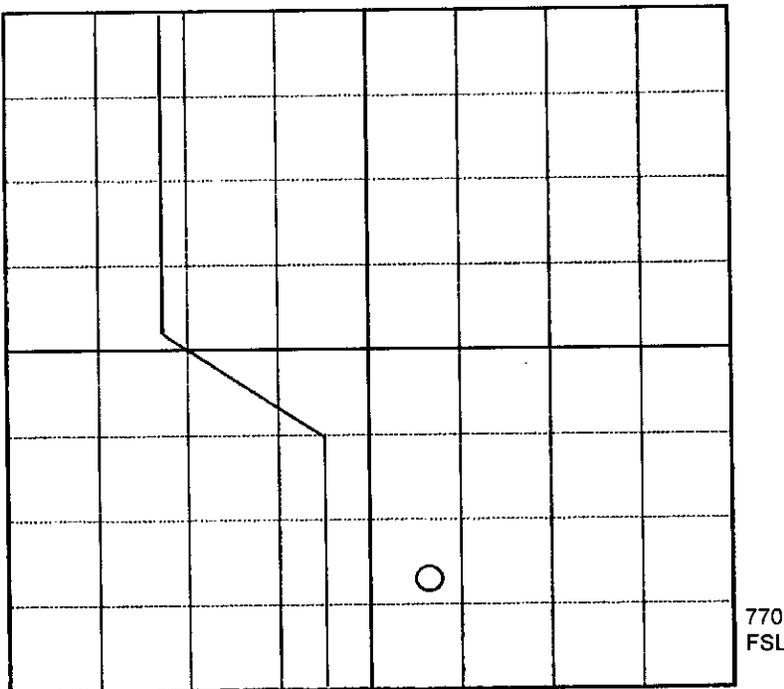
Location of Well: 770 feet from N / S Line of Section
2,303 feet from E / W Line of Section
 Sec. 30 Twp. 22 S Rng. 6 E W
 Is Section: Regular or Irregular
 If Section is Irregular, locate well from nearest corner boundary.
 Section corner used: NE NW SE SW

PLAT

Show location of the Cathodic Borehole. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines, and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.

LEGEND

- Well Location
- Tank Battery Location
- Pipeline Location
- Electric Line Location
- Lease Road Location



NOTE: In all cases, locate the spot of the proposed drilling location.

Reno Co 2303 FEL

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.;
2. The distance of the proposed drilling location from the section's south / north and east / west line;
3. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

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Equus Beds Groundwater

DAVID STROBERG, PRESIDENT
FRED SEILER, VICE PRESIDENT
VIN KISSICK, SECRETARY
MIKE MCGINN, TREASURER
TIM BOESE, MANAGER
THOMAS A. ADRIAN, ATTORNEY



DIRECTORS:
ALAN BURGHART
RAY FLICKNER
JOE PAJOR
BOB SEILER
JEFF WINTER

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

313 SPRUCE STREET • HALSTEAD, KANSAS 67056-1925 • PHONE (316) 835-2224 • FAX (316) 835-2225 • equusbeds@gmd2.org • www.gmd2.org
May 28, 2014

Wendy Berndt
ONEOK NGL Pipeline, L.L.C
PO Box 29
Medford, OK 73759-0029

Re: Application No. CPB-71 – ONEOK NGL Pipeline, L.L.C / ONEOK Hydrocarbon, L.P.

Dear Ms. Berndt:

The Equus Beds Groundwater Management District No. 2 reviewed the referenced modified application, May 28, 2014, using the District's Revised Management Program (effective May 1, 1995) and Rules and Regulations K.A.R. 82-3-700, K.A.R. 82-3-705 through K.A.R. 82-3-710.

During the review, the following modification was made to the application: Paragraph #16 was changed to anode conductor material installed beginning at a depth of **85** feet bls to a total depth of 300 feet bls to comply with K.A.R. 82-3-707(a), which requires the anode conductor material to be installed starting a minimum of 5 feet below the bottom of the cathodic surface casing.

Based on the review, the application, as modified, complied with the Cathodic Protection regulations and the Revised Management Program and is hereby **approved** by the Equus Beds Groundwater Management District No. 2.

Please notify the District 72 hours before drilling and constructing the cathodic protection borehole.

Thank you for your cooperation and assistance in protecting our groundwater resources from contamination.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/db
Enclosures

pc: Ryan Hoffman, Kansas Corporation Commission



ONEOK NGL PIPELINE, L.L.C.

A SUBSIDIARY OF ONEOK PARTNERS, L.P.

May 12, 2014

Equus Beds Groundwater Management District No. 2
Attn: Tim Boese
313 Spruce Street
Halstead, Kansas 67056-1925

RE: Cathodic Protection Applications (CPB-71/CPB-72/CPB-73)
ONEOK Hydrocarbon, L.P.

Dear Mr. Boese,

Per a letter dated April 21, 2014 from your office, ONEOK NGL Pipeline, L.L.C. has reviewed and updated the cathodic borehole application forms for the above referenced boreholes. All stated deficiencies have been corrected on the attached forms. Please note that the operator has changed from ONEOK NGL Pipeline, L.L.C. to ONEOK Hydrocarbon, L.P. ONEOK Hydrocarbon, L.P. is the owner/operator of the location in which the boreholes are to be installed.

If you have any questions or require additional information, please contact me at (580) 395-6294.

Sincerely,

Wendy Bernitt
Environmental Engineer, Pipelines

Attachments

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**Equus Beds Groundwater
Management District No. 2**