

For KCC Use:
Effective Date: _____
District # _____
SGA? Yes No

KANSAS CORPORATION COMMISSION 1359704
OIL & GAS CONSERVATION DIVISION

Form CB-1
Oct 2016

Form must be Typed
Form must be Signed
All blanks must be Filled

CATHODIC PROTECTION BOREHOLE INTENT

Must be approved by the KCC sixty (60) days prior to commencing well.

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

Expected Spud Date: _____
month day year

OPERATOR: License# _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: _____

CONTRACTOR: License# _____
Name: _____
Type Drilling Equipment: Mud Rotary Cable
 Air Rotary Other

Construction Features

Length of Cathodic Surface (Non-Metallic) Casing
Planned to be set: _____ feet
Length of Conductor pipe (if any): _____ feet
Surface casing borehole size: _____ inches
Cathodic surface casing size: _____ inches
Cathodic surface casing centralizers set at depths of: _____ ; _____ ;
_____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ;
Cathodic surface casing will terminate at:
 Above surface Surface Vault Below Surface Vault
Pitless casing adaptor will be used: Yes No Depth _____ feet
Anode installation depths are: _____ ; _____ ; _____ ; _____ ; _____ ;
_____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ;

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate District office prior to spudding and again before plugging the well. An agreement between the operator and the District Office on plugs and placement is necessary prior to plugging. In all cases, notify District Office prior to any grouting.
2. Notify appropriate District Office 48 hours prior to workover or re-entry.
3. A copy of the approved notice of intent to drill shall be posted on each drilling rig.
4. The minimum amount of cathodic surface casing as specified below shall be set by grouting to the top when the cathodic surface casing is set.
5. File all required forms: a. File Drill Pit Application (form CDP-1) with Intent to Drill (form CB-1). b. File Certification of Compliance with Kansas Surface Owner Notification Act (form KSONA-1) with Cathodic Protection Borehole Intent (CB-1) c. File Completion Form (ACO-1) within 60 days from spud date. d. Submit plugging report (CP-4) within 60 days after final plugging is completed.

Submitted Electronically

For KCC Use ONLY
API # 15 - _____
Conductor pipe required _____ feet
Minimum Cathodic Surface Casing Required: _____ feet
Approved by: _____
This authorization expires: _____
(This authorization void if drilling not started within 12 months of approval date.)
Spud date: _____ Agent: _____

Spot Description: _____
_____ - _____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ E W
(a/a/a/a) _____ feet from N / S Line of Section
_____ feet from E / W Line of Section

Is SECTION: Regular Irregular?
(Check directions from nearest outside corner boundaries)

County: _____
Facility Name: _____
Borehole Number: _____
Ground Surface Elevation: _____ MSL
Cathodic Borehole Total Depth: _____ feet
Depth to Bedrock: _____ feet

Water Information

Aquifer Penetration: None Single Multiple
Depth to bottom of fresh water: _____
Depth to bottom of usable water: _____
Water well within one-quarter mile: Yes No
Public water supply well within one mile: Yes No
Water Source for Drilling Operations:
 Well Farm Pond Stream Other

Water Well Location: _____
DWR Permit # _____
Standard Dimension Ratio (SDR) is = _____
(Cathodic surface csg. O.D. in inches / MWT in inches = SDR)

Annular space between borehole and casing will be grouted with:
 Concrete Neat Cement Bentonite Cement Bentonite Clay
Anode vent pipe will be set at: _____ feet above surface
Anode conductor (backfill) material TYPE: _____
Depth of BASE of Backfill installation material: _____
Depth of TOP of Backfill installation material: _____
Borehole will be Pre-Plugged? Yes No

If this permit has expired or will not be drilled, check a box below, sign, date and return to the address below.

Permit Expired Well Not Drilled

_____ Date

_____ Signature of Operator or Agent

E
 W

For KCC Use ONLY

API # 15 - _____

IN ALL CASES, PLEASE FULLY COMPLETE THIS SIDE OF THE FORM.

In all cases, please fully complete this side of the form. Include items 1 through 3 at the bottom of this page.

Operator: _____
Facility Name: _____
Borehole Number: _____

Location of Well: County: _____
_____ feet from N / S Line of Section
_____ feet from E / W Line of Section
Sec. _____ Twp. _____ S. R. _____ E W

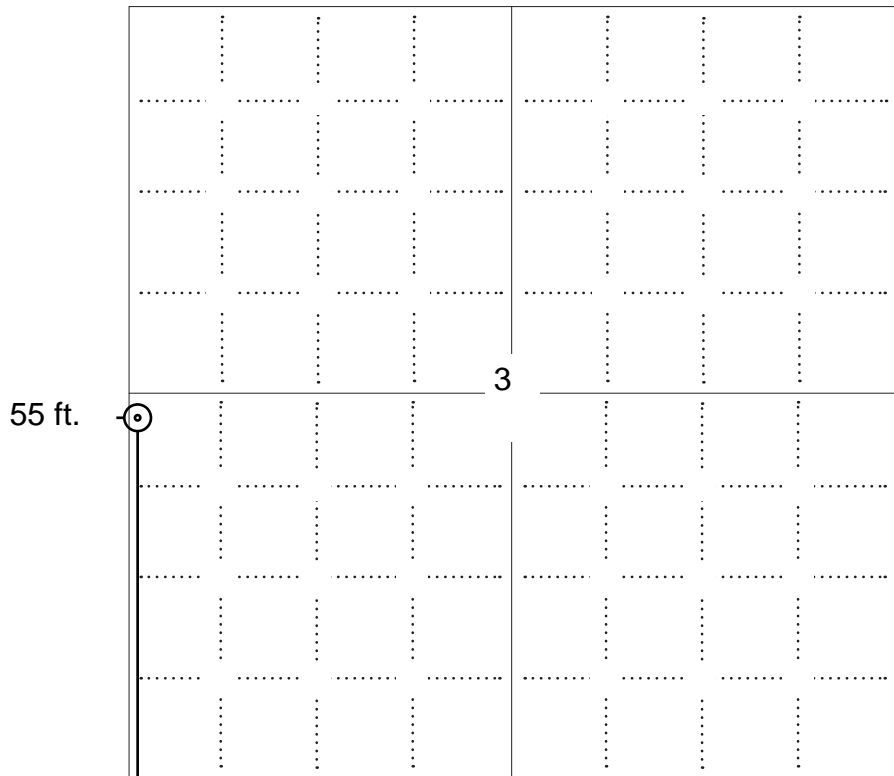
Is Section: Regular or Irregular

If Section is Irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

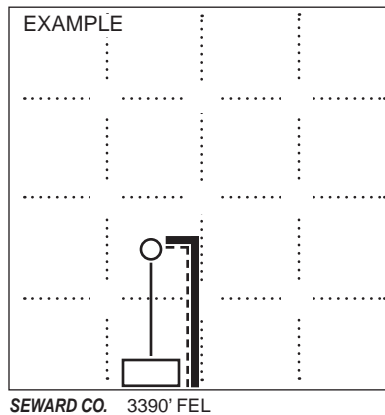
PLAT

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 locaton.

2455 ft.

In plotting the proposed location of the well, you must show:

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.

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name: _____		License Number: _____	
Operator Address: _____			
Contact Person: _____		Phone Number: _____	
Lease Name & Well No.: _____		Pit Location (QQQQ): _____ - _____ - _____ - _____	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>		Pit is: <input type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No	
How is the pit lined if a plastic liner is not used? _____			
Pit dimensions (all but working pits): _____ Length (feet) _____ Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: _____ (feet) <input type="checkbox"/> No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.	
Distance to nearest water well within one-mile of pit: _____ feet Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input type="checkbox"/> KDWR	
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: _____ Number of working pits to be utilized: _____ Abandonment procedure: _____ Drill pits must be closed within 365 days of spud date.	
Submitted Electronically			

KCC OFFICE USE ONLY			
<input type="checkbox"/> Liner <input type="checkbox"/> Steel Pit <input type="checkbox"/> RFAC <input type="checkbox"/> RFAS			
Date Received: _____ Permit Number: _____ Permit Date: _____ Lease Inspection: <input type="checkbox"/> Yes <input type="checkbox"/> No			



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 # _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____ Fax: (_____) _____
Email Address: _____

Well Location:
____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West
County: _____
Lease Name: _____ Well #: _____

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:

Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____

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 must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

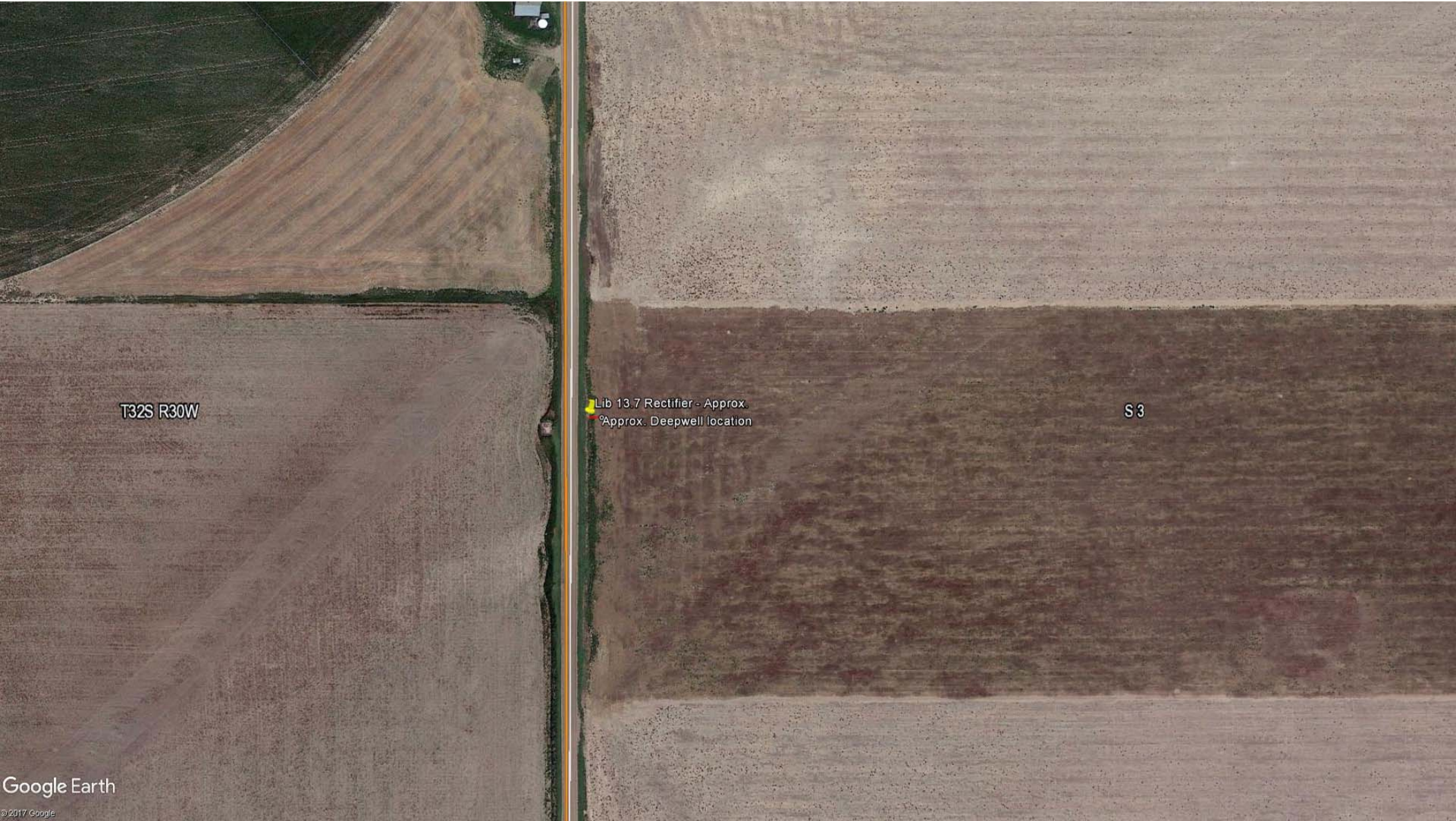
If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

I Submitted Electronically

Form	CB1CDP1 - Cathodic Protection Borehole Intent
Operator	La Grange Acquisition, LP dba Energy Transfer Company
Well Name	Liberal 13.7 1
Doc ID	1359704

Anode Installation Depths

Depth
372
358
344
330
316
302
288
274
260
246
232
218
204
190
176
162
148
134
120
106



T32S R30W

Lib 13.7 Rectifier - Approx.
Approx. Deepwell location

S3



Client: Energy Transfer
Location: Plains ***** Note: MMS
Date: March 7, 2017
N° of Quote: 161665

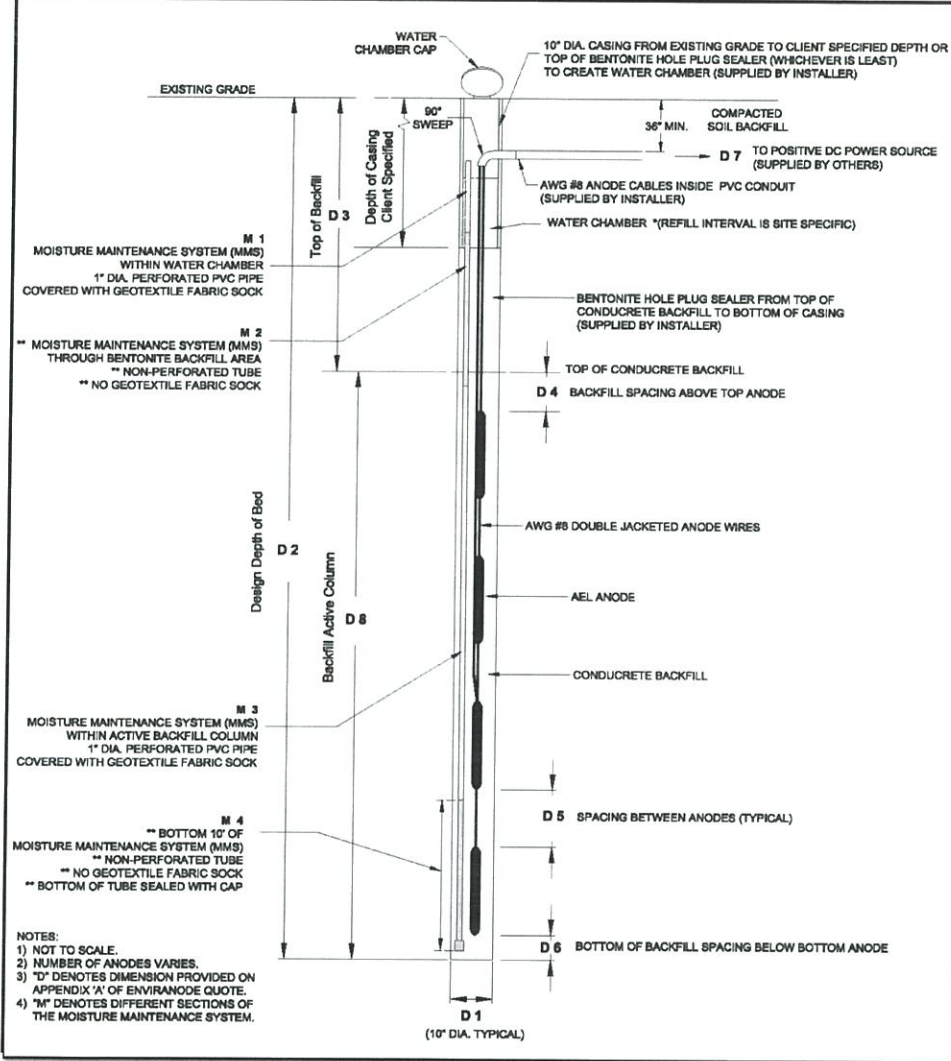
Weight of System: 11,770 lbs

Per System Parameters:					
Units for length/distance:		Feet			
No. of AEL	20	AEL Rating (amps)	4	Length of AEL	6.00

*Ground bed must be allowed to cure for 30 days prior to energizing with rectifier to avoid damage to bed performance.
**AEL Anodes have a 5 amp maximum rating.

*SAE Conducrete backfill for active column,
quantity of 55 pound bags = 167

Plus a Contingency of 10% allowing for imperfections in
the well for a total bag quantity = 183



AEL Depths, Cable Lengths and Cut from Lengths				
AEL No.	Depth of Anode (ft)	Cable Length (ft)	Cable Provided (ft)	Length to Cut (ft)
20	106	131	150	19
19	120	145	150	5
18	134	159	200	41
17	148	173	200	27
16	162	187	200	13
15	176	201	250	49
14	190	215	250	35
13	204	229	250	21
12	218	243	250	7
11	232	257	300	43
10	246	271	300	29
9	260	285	300	15
8	274	299	300	1
7	288	313	350	37
6	302	327	350	23
5	316	341	350	9
4	330	355	400	45
3	344	369	400	31
2	358	383	400	17
1	372	397	400	3

Bill of Materials		
Item	Description	Quantity
1	AEL	20
2	Cable	5,280
3	Backfill	144
4	MMS	384
5	Centralers	0

Dimensions			
D 1	Diameter of Bed	10	in
D 2	Depth of Bed	384	ft
D 3	Top of Backfill Elevation	100	ft
D 4	Spacing of Backfill Above Top Anode	6	ft
D 5	Spacing Between Anodes	8.00	ft
D 6	Spacing of Backfill Below Bottom Anode	6	ft
D 7	Horizontal Distance to Rectifier	25	ft
D 8	Backfill Active Column	284.00	ft

Moisture Maintenance System (MMS) Dimensions			
	Depth of Casing (supplied by installer)	100	ft
M 1	Top Sections perforated	100	ft
M 2	Bentonite Backfill Sections non-perforated	0	ft
M 3	Active Column sections perforated	274	ft
M 4	Bottom Section non-perforated	10	ft
	Total Length of MMS system	384	ft

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Pat Apple, Chairman
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

According to the drilling pit application, no earthen pits will be used at this location. Steel pits will be used. Please inform the Commission in writing as to which disposal well you utilized to dispose of the contents in the steel pits and the amount of fluid that was disposed. Please file form CDP-5, Exploration and Production Waste Transfer, within 30 days of fluid removal.

Should a haul-off pit be necessary please file form CDP-1, Application for Surface Pit, This location will have to be inspected prior to approval of the haul-off pit application.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill.