



For KCC Use:

KANSAS CORPORATION COMMISSION 1283063
OIL & GAS CONSERVATION DIVISION

Form CB-1

March 2010

Form must be Typed

Form must be Signed

All blanks must be Filled

Effective Date: _____

District # _____

SGA? [] Yes [] No

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: _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

_____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

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

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 30 days from spud date. d. Submit plugging report (CP-4) within 30 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: _____

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

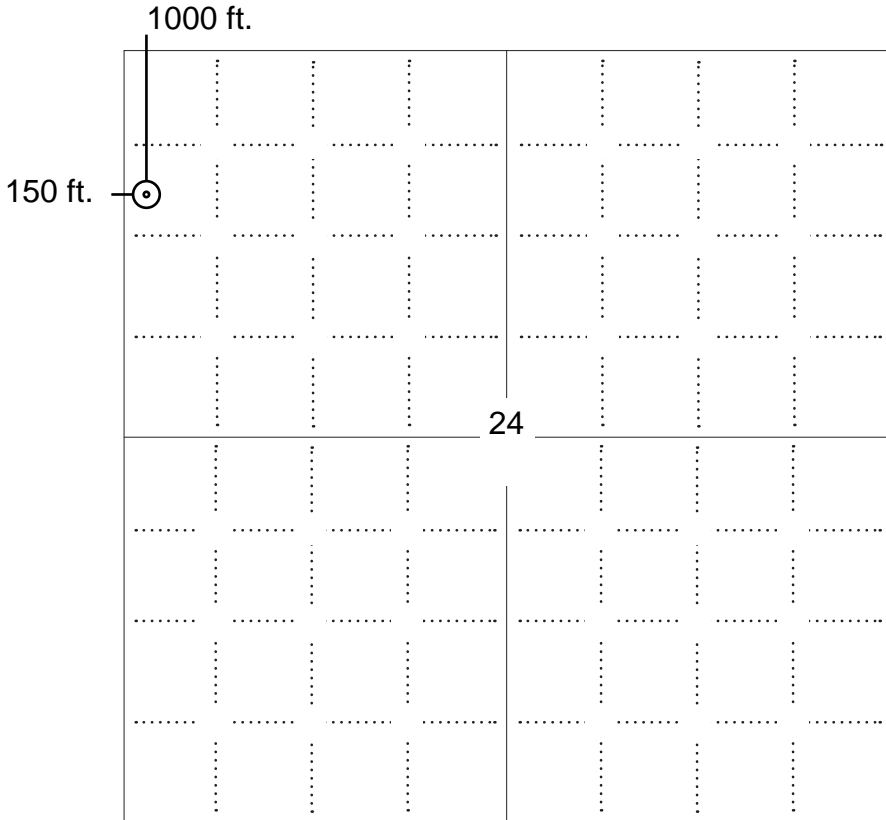
Is Section: Regular or Irregular

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

Section corner used: NE NW SE SW

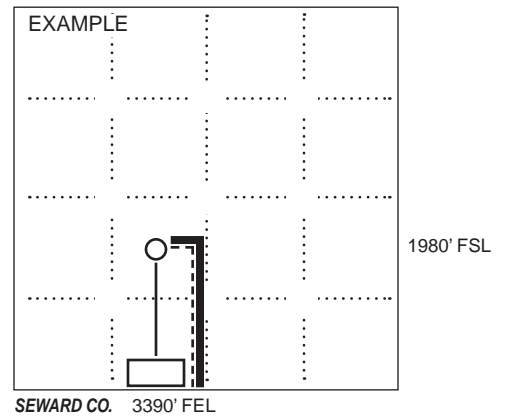
PLAT

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 location.

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

Liner Steel Pit RFAC RFAS

Date Received: _____ Permit Number: _____ Permit Date: _____ Lease Inspection: Yes No



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.

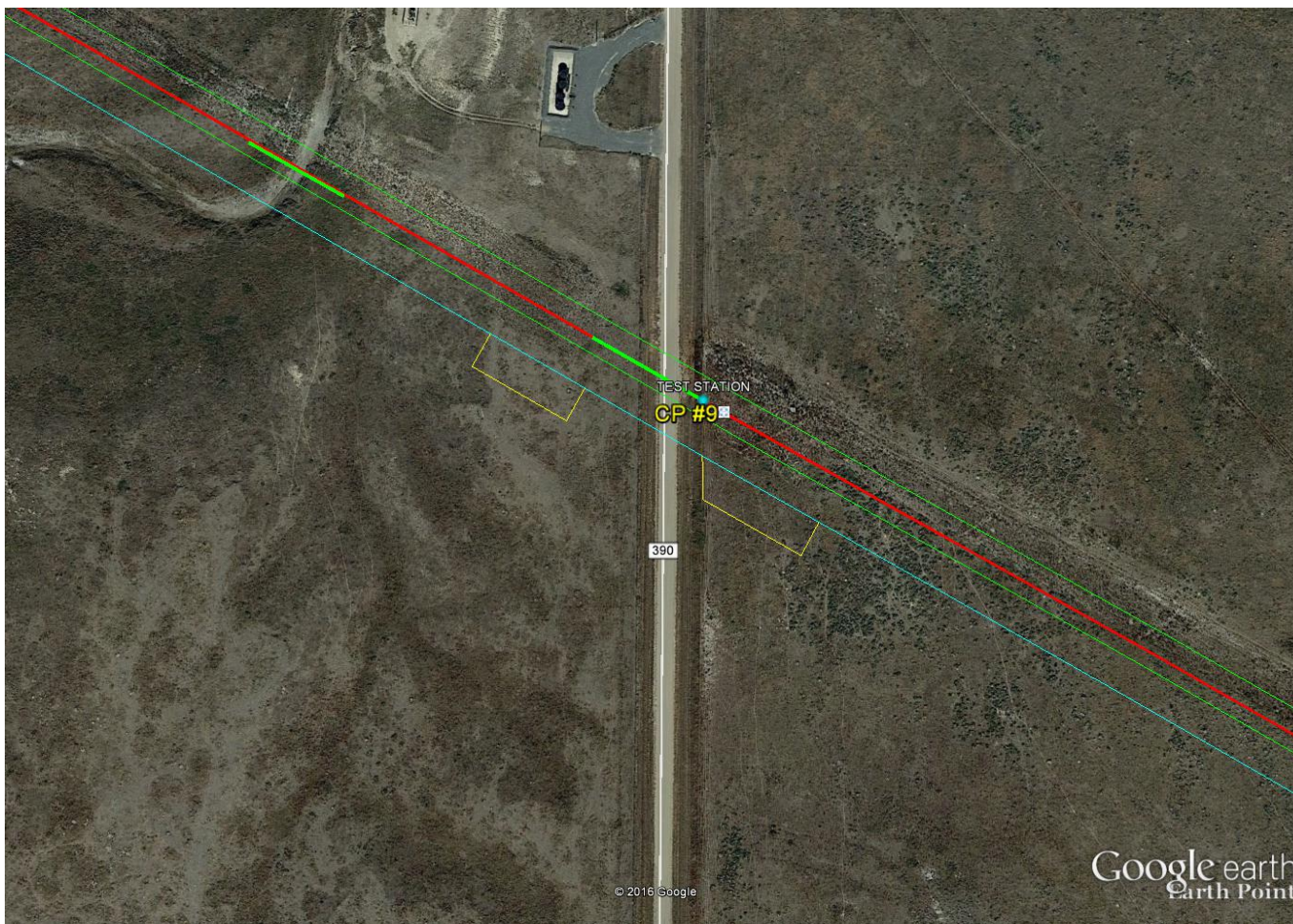
Select one of the following:

- 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

Cathodic Protection Installation Request



Region: _____	Area: _____	Pipeline: SADDLEHORN 20" CRUDE
Alignment Sheet: _____	Tract: 6918-8-LO-61	Mile Post: 221.450
State: KANSAS	County: LOGAN	Longitude: -100.9471488
Section: 23	1/4 Sec.of 1/4: NE/14	Township: 15S
Survey Station: 11692+60	Latitude: 38.7398349	Range: 33W
Location: _____		
Property Owner Contact & Information: FARLEIGH RANCH CORPORATION, 516 S. MAIN, SCOTT CITY, KS 67871 620.214.2905		
Power Company Contact and Information: LANE-SCOTT ELECTRIC 620.397.5237		
Groundbed Type: DEEP	Current Required: 50A	Soil Resistance: 10000
Anode Type: LIDA - MIXED METAL OXIDE	Number of Anodes: 12	Type of Backfill: LORESCO ENVIROCOKE
Amount of Backfill: 240'	Type of Cable: #6 KYNAR DUAL EXTRUDED HMWPE	Amount of Cable: 450'
New Rectifier Required: (yes/no): YES	Rectifier Type: UNIVERSAL 40V/60A	Anode Depth: 395
Anode Spacing: 15'	Anode Hole Specs: 400' X 10"	Design Life: 20 YEARS
Required Installation Date: _____	Construction Company: _____	
Driving Directions	FROM INTERSECTION OF SR 380 AND SR 390 PROCEED SOUTH FOR 1.17 MILES TO MAGELLAN ROW ON EAST SIDE OF ROAD. BORE HOLE WILL BE DRILLED 50' FROM ROAD ON EAST SIDE ROAD AND 10' FROM PIPELINE ON SOUTH SIDE OF PIPELINE.	
Details:	GROUNDBED WILL BE 50' FROM ROAD AND ON SOUTH SIDE OF PIPELINE. GROUNDBED COMPLETION BELOW GRADE AND TERMINATED AT RECTIFIER POLE ON WEST SIDE OF THE ROAD	
Requested By: TVANGOOR	Date: 08/06/15	
Company No. _____	Operating Unit _____	Cost Center _____

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



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

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, 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.



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Tuesday, August 11, 2015** at 12:15 a.m. Eastern Time. Please [contact NSF International](#) to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?Company=76110&Standard=060&>

NSF/ANSI 60 Drinking Water Treatment Chemicals - Health Effects

Loresco International

421 J. M. Tatum Industrial Park Drive

Hattiesburg, MS 39401

United States

601-544-7490

Visit this company's website (<http://www.loresco.com>)

Facility : Hattiesburg, MS

Miscellaneous Water Supply Products

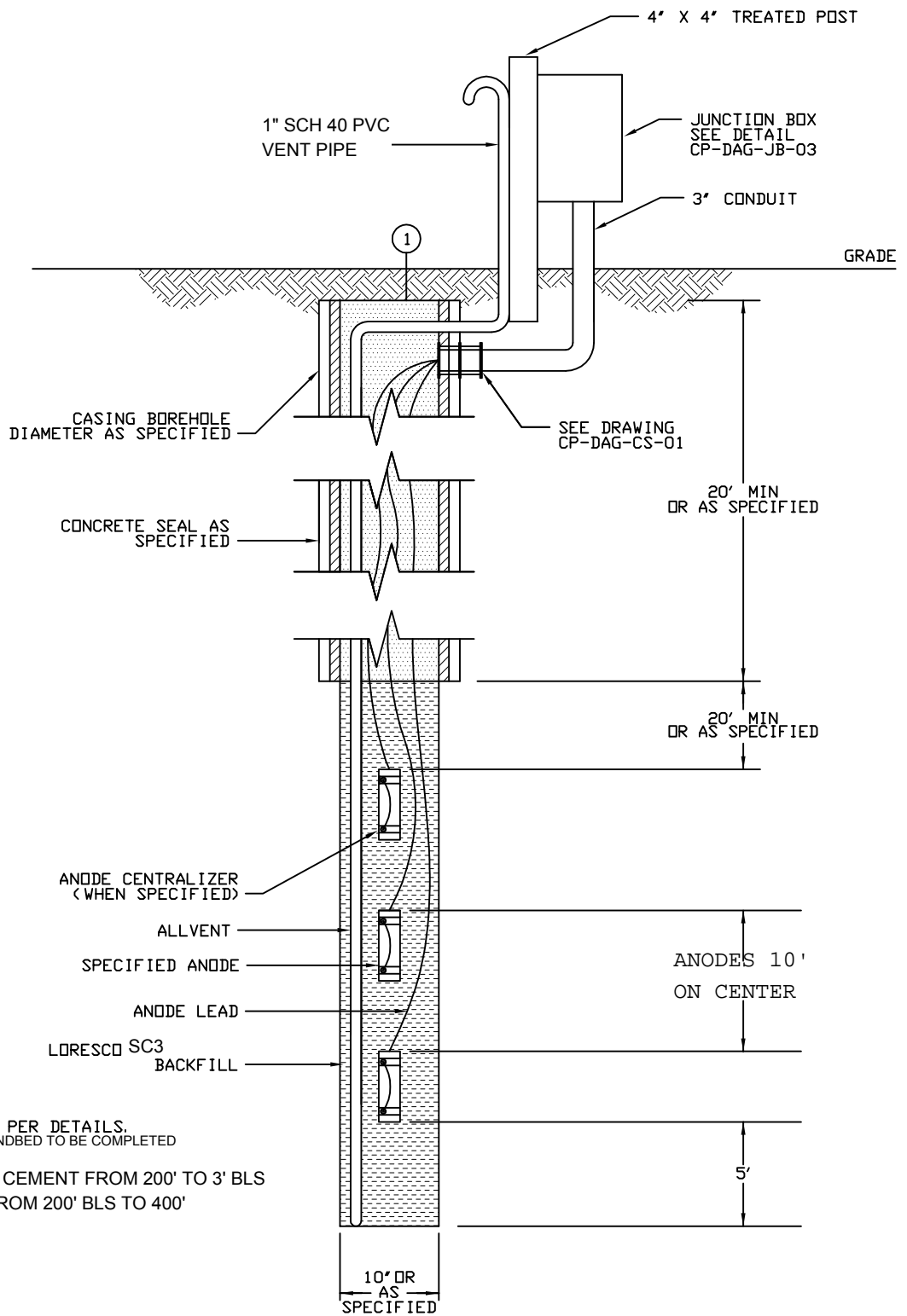
<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
LORESCO® PowerFill™	Other	[1]
LORESCO® Type RS.3®	Other	[1]
LORESCO® Type SC.3®	Other	[1]

[1] These products were evaluated to NSF/ANSI Standard 60, Section 8 for backfill applications with a maximum diameter of 15 inches and a maximum aquifer contact depth of 20 ft with an assumption of a minimum 1/2 acre aquifer of not less than 25% porosity (293,760 gallons).

Number of matching Manufacturers is 1


Number of matching Products is 3

Processing time was 0 seconds



NOTES:

1. CASING TOP AS PER DETAILS.
DEEP ANODE GROUND BED TO BE COMPLETED
BELOW GRADE
2. NEAT PORTLAND CEMENT FROM 200' TO 3' BLS
3. LORESCO SC3 FROM 200' BLS TO 400'
BLS

REVISIONS		NOTES:	 Pipeline Controls & Services	
NO.	DATE			
			LORESCO SC3 GROUND BED DEEP ANODE BED	
			DRAWING NO. PCS-CP-DAG-04	DATE: 07/31/2015