For KCC Use:
Effective Date: 02/10/2016
District # 4
SGA? ☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1282973

Form CB-1
March 2010
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: 03/28/2016 (month / day / year)

OPERATOR: License# 33883
Name: Magellan Pipeline Company LP
Address 1: 1 WILLIAMS CTR
Address 2: MD-27-2
City: TULSA State: OK Zip: 74172 + ____
Contact Person: TOM VANGOOR
Phone: 713.805.0279

CONTRACTOR: License#
Name: Advise on ACO-1 -- Must be licensed by KCC or KDHE

Type Drilling Equipment: ☑ Mud Rotary ☐ Cable ☐ Air Rotary ☐ Other

Construction Features

Length of Cathodic Surface *(Non-Metallic)* Casing Planned to be set: 20 feet
Length of Conductor pipe *(if any)*: 0 feet
Surface casing borehole size: 16 inches
Cathodic surface casing size: 10 inches
Cathodic surface casing centralizers set at depths of: 5 ; 15 ; ____ ; ____ ; ____ ; ____ ; ____ ; ____ ; ____ ; ____ ;
Cathodic surface casing will terminate at:
☐ Above surface ☐ Surface Vault ☑ Below Surface Vault
Pitless casing adaptor will be used: ☑ Yes ☐ No Depth 3 feet
Anode installation depths are: 395 ; 385 ; 375 ; 365 ; 355 ; 345 ; 335 ; 325 ; 315 ; 305 ; 295 ; 285 ; ____ ;

Spot Description: SADDLEHORN #8A
SE - SW - SE - SW (Q/Q/Q/Q) Sec. 12 Twp. 13 S. R. 37 ☐ E ☑ W
300 feet from ☐ N / ☑ S Line of Section
3600 feet from ☑ E / ☐ W Line of Section
Is SECTION: ☑ Regular ☐ Irregular?
(Check directions from nearest outside corner boundries)

County: Logan
Facility Name: SADDLEHORN
Borehole Number: 8A
Ground Surface Elevation: 3114 Estimated MSL
Cathodic Borehole Total Depth: 400 feet
Depth to Bedrock: 10 feet

Water Information

Aquifer Penetration: ☐ None ☑ Single ☐ Multiple
Depth to bottom of fresh water: 50
Depth to bottom of usable water: 1250
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 # Apply if needed.
Standard Dimension Ratio (SDR) is = 21
(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: 3 feet above surface
Anode conductor *(backfill)* material TYPE: LORESCO SC3
Depth of BASE of Backfill installation material: 400
Depth of TOP of Backfill installation material: 200
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 - 15-109-21457-00-00
Conductor pipe required 0 feet
Minimum Cathodic Surface Casing Required: 20 feet
Approved by: Rick Hestermann 02/05/2016
This authorization expires: 02/05/2017
(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*

12 13 37 ☐ E ☑ W

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

[redacted]

1282973

Side Two

For KCC Use ONLY

API # 15 - 15-109-21457-00-00

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: Magellan Pipeline Company LP

Facility Name: SADDLEHORN

Borehole Number: 8A

Location of Well: County: Logan

300 feet from ☐ N / ☑ S Line of Section

3600 feet from ☑ E / ☐ W Line of Section

Sec. 12 Twp. 13 S. R. 37 ☐ E ☑ W

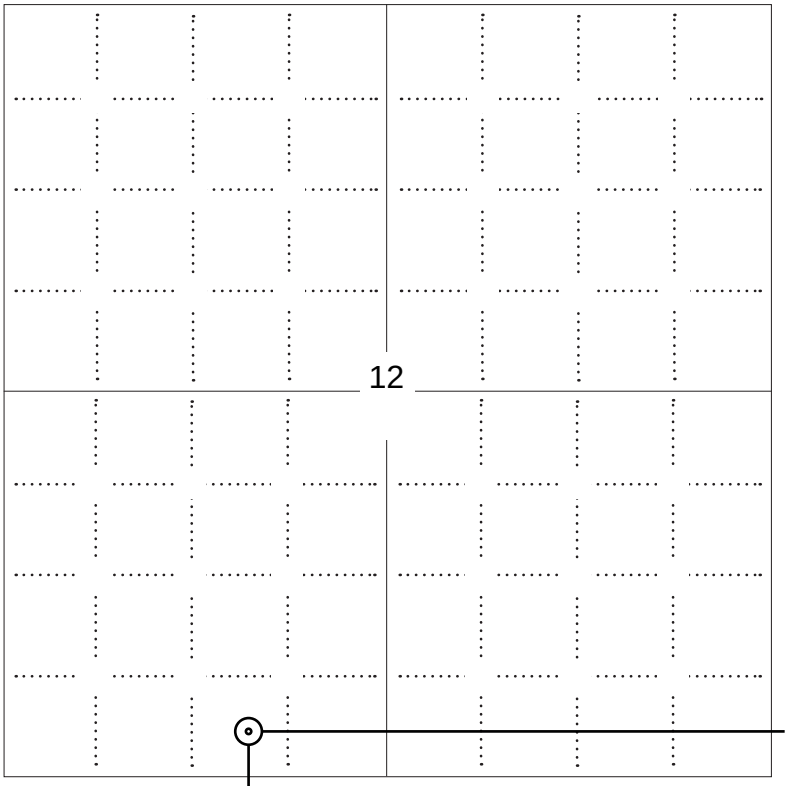
Is Section: ☑ Regular or ☐ Irregular

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

Section corner used: ☐ NE ☐ NW ☐ SE ☐ SW

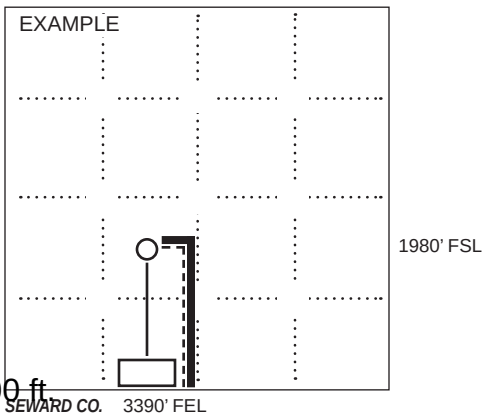
PLAT

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.

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.

[redacted] 1282973

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CDP-1
May 2010
Form must be Typed

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name: Magellan Pipeline Company LP | License Number: 33883

Operator Address: 1 WILLIAMS CTR MD-27-2 TULSA OK 74172

Contact Person: TOM VANGOOR | Phone Number: 713.805.0279

Lease Name & Well No.:

Type of Pit:
☐ Emergency Pit ☐ Burn Pit
☐ Settling Pit ☐ Drilling Pit
☐ Workover Pit ☐ Haul-Off Pit
(If WP Supply API No. or Year Drilled)

Pit is:
☐ Proposed ☐ Existing
If Existing, date constructed:
Pit capacity: (bbls)

Pit Location (QQQQ): SE - SW - SE - SW
Sec. 12 Twp. 13 R. 37 ☐ East ☐ West
300 Feet from ☐ North / ☒ South Line of Section
3600 Feet from ☒ East / ☐ West Line of Section
Logan County

Is the pit located in a Sensitive Ground Water Area? ☐ Yes ☒ No

Chloride concentration: mg/l
(For Emergency Pits and Settling Pits only)

Is the bottom below ground level? ☐ Yes ☐ No

Artificial Liner? ☐ Yes ☐ No

How is the pit lined if a plastic liner is not used?
STEEL PIT ABOVE GRADE

Pit dimensions (all but working pits): Length (feet) Width (feet) ☒ N/A: Steel Pits

Depth from ground level to deepest point: (feet) ☐ No Pit

If the pit is lined give a brief description of the liner material, thickness and installation procedure.
STEEL PIT

Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.
WATER TEST.

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:
☐ measured ☐ well owner ☐ electric log ☐ 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? ☐ Yes ☐ 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: 02/04/2016 Permit Number: 15-109-21457-00-00 Permit Date: 02/04/2016 Lease Inspection: ☐ Yes ☒ No

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

[redacted] 1282973

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form KSONA-1
January 2014
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 # 33883
Name: Magellan Pipeline Company LP
Address 1: 1 WILLIAMS CTR
Address 2: MD-27-2
City: TULSA State: OK Zip: 74172+ _ _ _ _
Contact Person: TOM VANGOOR
Phone: (713) 805-0279 Fax: ( ) _____
Email Address: TVANGOOR@PIPECS.COM

Well Location:
SE - SW - SE - SW Sec. 12 Twp. 13 S. R. 37 ☐ East ☒ West
County: Logan
Lease Name: SADDLEHORN Well #: 8A

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

Surface Owner Information:
Name: DIANA F. JENKINS/BRYAN LATHAM
Address 1: C/0 CHESTER L. COLLINS TRUST
Address 2: 4520 EMIINDA ROAD
City: WICHITA State: KANSAS Zip: 66226+ _ _ _ _

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.

Submitted Electronically

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

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

Cathodic Protection Installation Request

Region:		**Area:**		**Pipeline:**	SADDLEHORN 20" CRUDE		
Alignment Sheet:		**Tract:**	6918-8-LO-11	**Mile Post:**	195.475	**Survey Station:**	10321+09
State :	KANSAS	**County:**	LOGAN	**Longitude:**	101.3794715	**Latitude:**	38.9328326
Section:	12	**1/4 Sec.of 1/4:**	SE SW SE SW	**Township:**	13S	**Range:**	37W

Location:

Property Owner Contact & Information: CHESTER L. COLLINS TRUST, 4520 EMINDA, WICHITA KS 6626

Power Company Contact and Information: LANE-SCOTT ELECTRIC - 620.397.5327

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 HWY 160 AND QUAIL ROAD, DRIVE WEST FOR .58 MILES TO MAGELLAN ROW. PROCEED NORTH ON MAGELLAN ROW FOR 300' TO MAINLINE BLOCK VALVE NUMBER 9. GROUNDBED WILL BE INSTALLED IN FRONT OF MLBV.
Details:	GROUNDBED TO BE INSTALLED IN FRONT OF MLBV ON NW SIDE OF FENCE. GB TO BE LOCATED ON SOUTH SIDE OF PIPELINE 20' FROM FENCE AND WILL BE TERMINATED BELOW GRADE. RECTIFIER TO BE INSTALLED INSIDE OF FENCE. POWER COMPANY - LANE SCOTT ELECTRIC 620.397.5327

Requested By:	TVANGOOR	**Date**	08/06/15		
Company No.		**Operating Unit**		**Cost Center**	

(original copy to livelink file)

Loresco EnviroCoke IV™ and PermaPlug™

Specialty Backfills

Protection For Environmentally Sensitive Areas

Contamination of underground aquifers is a major concern in today's environmentally conscious society. To prevent deep groundbed cathodic protection systems from polluting ground water in environmentally sensitive zones, PC&S supplies Loresco's EnviroCoke IV and PermaPlug specialty backfills.

EnviroCoke IV is a conductive carbon-based cementitious backfill with an extremely low permeability. It is designed to surround the casing at the discharge zones of a cathodic protection system and prevent the intermixing of waters held in separate aquifers. The material mixes with water, and can be easily pumped for placement around the well casing. After settling for 24 hours, the protective backfill becomes structurally stable.

PermaPlug is a non-conductive backfill designed to seal the entrance of a deep-anode-bed cathodic protection system. The backfill is made from naturally occurring bentonite rock, which swells when saturated with water to provide a leak-tight seal. This seal stops surface fluids from flowing into the well and contaminating potable water aquifers. The material does not require mixing, and can be poured directly into the hole at the surface of the deep anode bed. Because the material completely seals the entrance of the cathodic protection system, it is strongly advised that a vent pipe be utilized to release gases and to provide access to the system so that water can be added if necessary.

Typical Applications

EnviroCoke IV and PermaPlug specialty backfills are designed for use in deep groundbed cathodic protection systems located in environmentally sensitive zones. Used in conjunction, the two backfills effectively protect underground aquifers from contamination. Both products have been tested according to EPA leacherate standards, and have been found to meet all quality requirements for materials utilized in underground burial. The backfills should be stored in a dry area prior to use.

CHEMICAL COMPOSITION

EnviroCoke IV	PermaPlug
49% Portland Cement	98% Bentonite
48.9% Fixed Carbon	2% Wetting Agents
0.1% Ash	—
0.0% Moisture	—
0.0% Volatile Matter	—

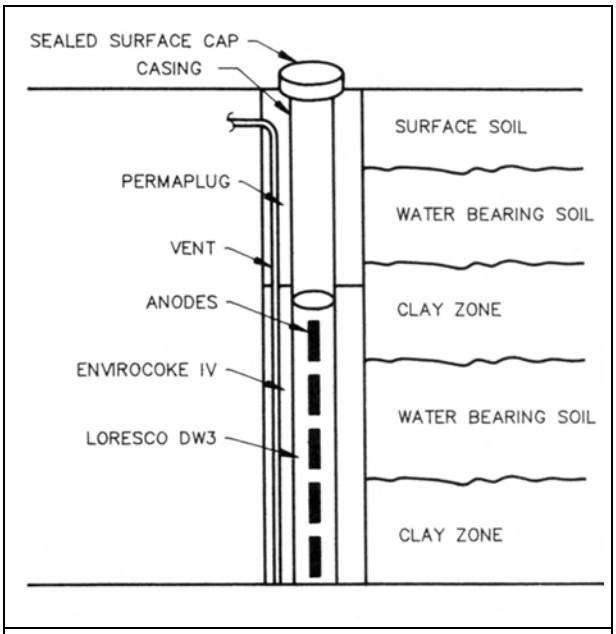
Pipeline Controls & Services
235 Hembree Park Drive, Suite #100 Roswell, GA 30076
Telephone: 770.619.5666 www.pipecs.com

Loresco EnviroCoke IV™ and PermaPlug™

Specialty Backfills

Ordering Procedure

EnviroCoke IV and PermaPlug are supplied in 100 lb. and 50 lb. bags respectively. To order the required material for your installation project, indicate that you need EnviroCoke IV and/or the PermaPlug backfill, and specify the total pounds required. A chart has been provided to assist in calculating the total pounds necessary for various types of installations. An example is also included to help illustrate the ordering process.



Calculation Example

ITEM	EXAMPLE
Backfill Material	*EnviroCoke*
Hole Diameter	*6 in.*
Hole Depth	*10 ft.*
Number of Holes	*10*
Total Backfill Wt.	*1,430 lbs.*
Total Bags Req'd	*15*

Standard Dimensions and Shipping Weights

BACKFILL	BULK DENSITY		SHIPPING WT. PER BAG	
	lbs./ft.^{3}	(kg/m^3)	lbs.	(kg)
EnviroCoke	75	(1204)	75	(34)
PermaPlug	70	(1124)	50	(22.7)

Calculation Chart

HOLE DIAMETER		BACKFILL REQUIRED			
		ENVIROCOKE IV		PERMAPLUG	
in.	(mm)	lbs./ft.	(kg/M)	lbs./ft.	(kg/M)
4	(102)	6.4	(9.5)	6.1	(9.1)
6	(152)	14.3	(21.3)	13.7	(20.4)
8	(203)	25.5	(38.0)	24.4	(36.4)
10	(254)	39.8	(59.4)	38.2	(57.0)
12	(305)	57.2	(85.3)	54.9	(81.9)

Pipeline Controls & Services
235 Hembree Park Drive, Suite #100 Roswell, GA 30076
Telephone: 770.619.5666
www.pipecs.com

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

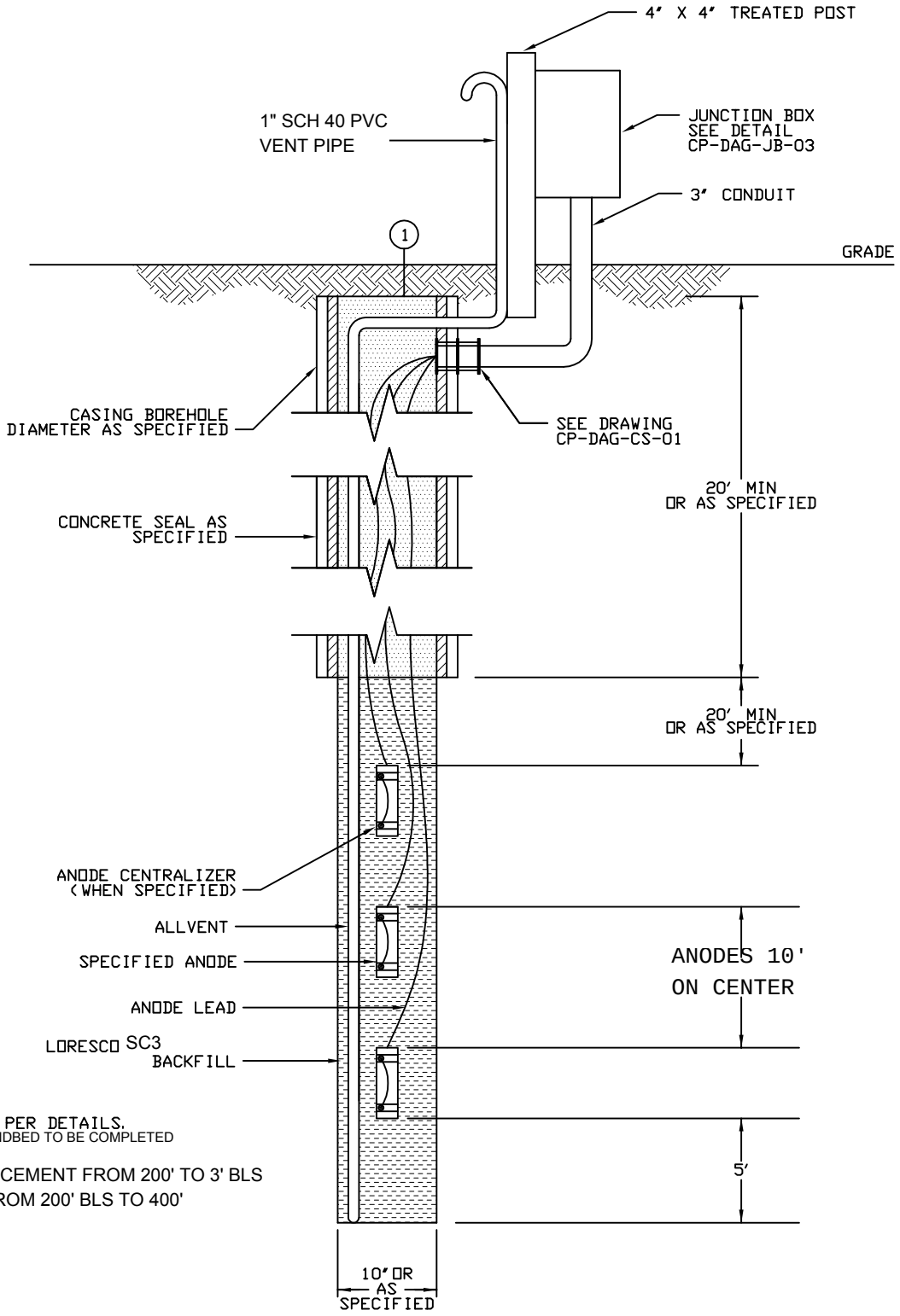
Trade Designation	*Product Function*	*Max Use*
LORESCO® PowerFill™	Other	[1]
LORESCO® Type RS.3®	Other	[1]
LORESCO® Type SC.3®	Other	[1]

[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 GROUNDBED TO BE COMPLETED BELOW GRADE
2. NEAT PORTLAND CEMENT FROM 200' TO 3' BLS
3. LORESCO SC3 FROM 200' BLS TO 400' BLS

REVISIONS		
NO.	DATE	

NOTES:

Pipeline Controls & Services

LORESCO SC3 GROUNDBED DEEP ANODE BED

DRAWING NO. PCS-CP-DAG-04

DATE: 07/31/2015

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

Kansas
Corporation Commission

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

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.