

KCC Dist 2

Operator: Southern Star Central Gas Pipeline
KCC Lic # 33097

CB-1 6M05

Contractor Lic # 32775

SST29A

Well Nam: C59701A # 01
NE SE SW SE 536' E 36', 1428' E 36' 35-T195-R8W

BIG BEND GROUNDWATER MANAGEMENT DISTRICT NO. 5

RECEIVED

125 S. Main

Stafford, Kansas 67578

(620) 234-5352 Fax (620) 234-5718

KCC AP# 15-159-22847-0000

Oct 20 2017

FORM CP-10

**Big Bend GMD #5 APPLICATION FOR PERMIT TO DRILL AND CONSTRUCT
A CASED CATHODIC PROTECTION BOREHOLE
Referencing Kansas Corporation Commission Regulations
K.A.R. 82-3-700 through K.A.R. 82-3-710**

Permit Application Number CPB- 17-04

To the Big Bend Groundwater Management District No. 5:

Applicant: MCLEAN'S CP INSTALLATION, INC

Address: 4520 STATE HWY 136, AMARILLO, TX 79108

(P.O. Box or Street)

(City)

(State)

(Zip Code)

Telephone: 806-383-5047

(Area Code) (Telephone)

Application to the Big Bend Groundwater Management District No. 5 for a permit to drill and construct a cathodic protection borehole in and through the Big Bend aquifer in the county of RICE, state of Kansas, to the extent and in accordance with the following:

1. The location of the proposed cathodic protection borehole is in the SE quarter of the SW quarter of the SE quarter of Section 35, Township 19 south, Range 8 west east and more particularly described as being near a point 536 feet north and 1428 feet west of the apparent southeast corner of said section.
2. The proposed use of the cathodic protection borehole is to provide cathodic protection of the applicant's C59701 A facility from electrochemical corrosion.
3. The land surface elevation is 1641 feet above mean sea level and the method of measurement used was (a) ☐ surveyed, (b) ☐ topographic map or (c) ☒ other _____.
4. The depth to surface or top of bedrock or shale is 71 feet below land surface (bls).
5. The depth to the water table of the fresh water aquifer is 29 feet bls.
6. Aquifer salinity as indicated by chloride concentration is 60 mg/L and was determined by: (a) ☐ published report, (b) ☐ test well data, or (c) ☒ other KGS Dakota Aquifer chloride concentrations
7. The total depth of the cathodic protection borehole is 330 feet bls.
8. A non metallic surface casing equipped with centralizers will be installed in the surface casing borehole when drilling has penetrated 105 feet bls, which is a minimum of 20 feet below bedrock or shale surface as listed in paragraph #4.

9. Casing centralizers will be installed on the surface casing beginning at the surface casing's total depth and at 40 foot intervals along the complete length of the surface casing at depths of 105, 65, 25, _____, _____, _____, _____, _____ 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 17.5 inches and the outside diameter of the surface casing will be 10.75 inches.
11. The standard dimension ratio (SDR) of the surface casing calculated by dividing the surface casing's outside diameter (OD) of 10.75 inches by its minimum wall thickness (MWT) of .511 inches equals 21.
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 105 feet bls.
14. The top of the surface casing will be fitted with a watertight cap and will: (a) ☒ terminate 2 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 130 feet bls to a total depth of 325 feet bls.
16. Anode conductor (backfill) material will be installed beginning at a depth of 115 feet bls to a total depth of 330 feet bls.
17. An anode vent pipe will be installed and completed 3 feet above land surface.
18. A concrete base or pad will 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 AMARILLO, Kansas, this 20th day of October, 2017

Tina M. Granger
(Applicant)

By [Signature]
(Signature)

Office Manager
(Title)

Received
KANSAS CORPORATION COMMISSION
NOV 06 2017
CONSERVATION DIVISION
WICHITA, KS

APPLICANT DO NOT CONTINUE BELOW DOUBLE LINE
For Big Bend Groundwater Management District #5 Use

1) Application received on 10 / 20 / 2017.

2) Application review by John Hildebrand

Conservation Specialist

(Title)

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

Recommend approval based on my review of the application documents.

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 Big Bend Groundwater Management District No. 5 this 26th day of October, 2017



Orrin Feril, Manager
Big Bend Groundwater Management District No. 5

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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

Form KSONA-1
July 2010
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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 # 33097
Name: SOUTHERN STAR CENTRAL GAS PIPELINE, INC.
Address 1: 4700 HWY 56
Address 2: _____
City: OWENSBORO State: KY Zip: 42301 + 9303
Contact Person: SETH TURNER
Phone: (316) 220-8654 Fax: (_____) _____
Email Address: Seth.R.Turner@sscgp.com

Well Location:
SE SW SE Sec. 35 Twp. 19 S. R. 8 ☐ East ☒ West
County: RICE
Lease Name: C59701A Well #: 01

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

Surface Owner Information:

Name: SOUTHERN STAR CENTRAL GAS PIPELINE INC.
Address 1: PO BOX 20010
Address 2: _____
City: OWENSBORO State: KY Zip: 42304 + _____

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: 9/8/2017

Signature of Operator or Agent: _____

Title: Office Manager

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

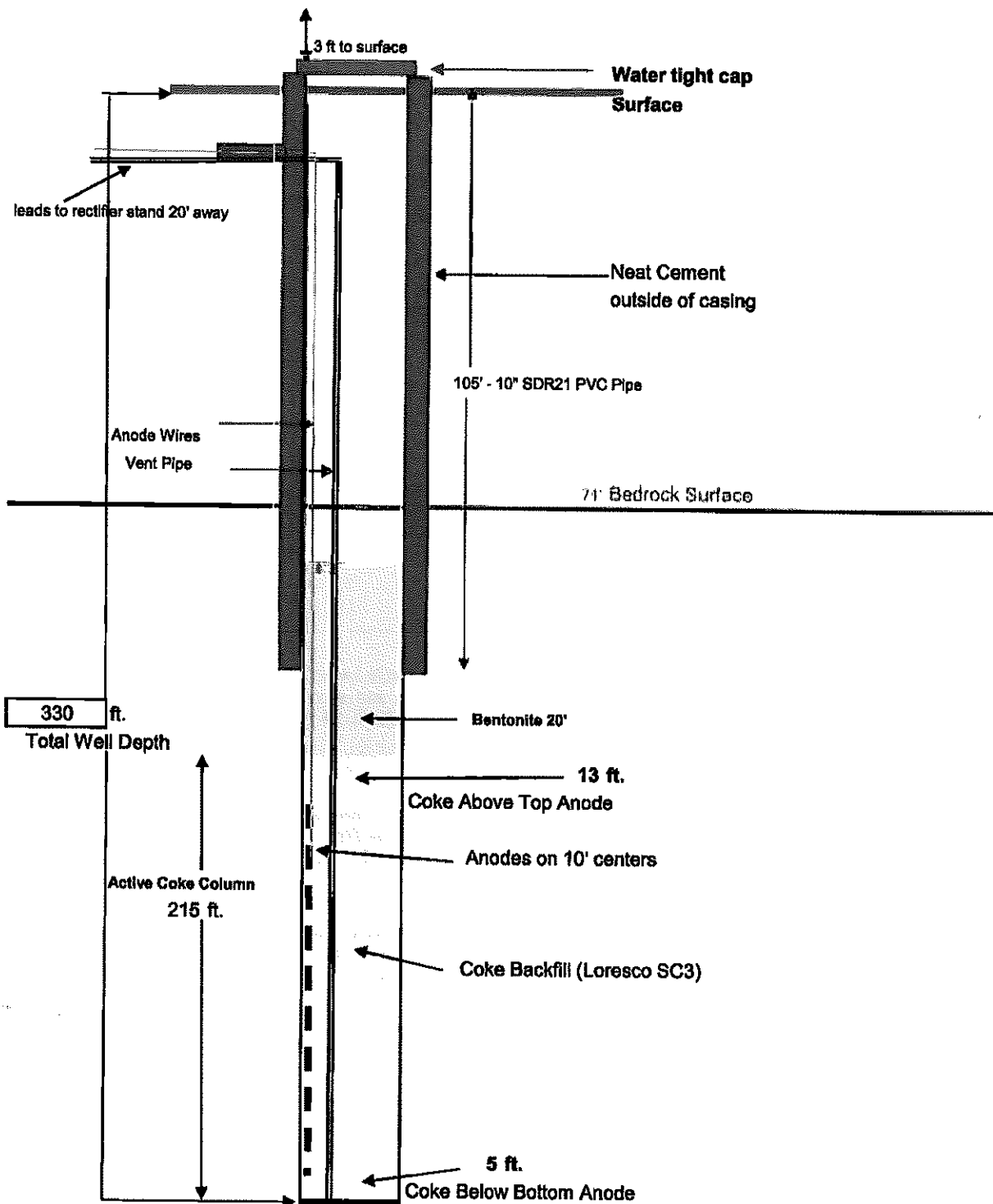
Received
KANSAS CORPORATION COMMISSION
NOV 06 2017
CONSERVATION DIVISION
WICHITA, KS

WELL #: C59701A

Rice Count, KS

17.5 in.

10.750 in.



**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
APPLICATION FOR SURFACE PIT**

Form CDP-1
May 2010
Form must be Typed

Submit in Duplicate

Operator Name: SOUTHERN STAR CENTRAL GAS PIPELINE		License Number: 33097
Operator Address: 4700 HWY 56 OWENSBORO KY 42301		
Contact Person: SETH TURNER		Phone Number: 316-220-8654
Lease Name & Well No.: C59701A 01		Pit Location (QQQQ): SE SW NE Sec. 35 Twp. 19 R. 8 ☐ East ☒ West 536 Feet from ☐ North / ☒ South Line of Section 1,448 Feet from ☒ East / ☐ West Line of Section RICE County
Type of Pit: ☐ Emergency Pit ☐ Burn Pit ☐ Settling Pit ☐ Drilling Pit ☐ Workover Pit ☒ Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>	Pit is: ☒ Proposed ☐ Existing If Existing, date constructed: Pit capacity: (bbls)	
Is the pit located in a Sensitive Ground Water Area? ☒ Yes ☐ No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>
Is the bottom below ground level? ☐ Yes ☐ No	Artificial Liner? ☐ Yes ☐ No	How is the pit lined if a plastic liner is not used?
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. NO LINER WILL BE USED. WE ARE USING PORTABLE PITS		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. NO LINER WILL BE USED. WE ARE USING PORTABLE PITS
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: WATER Number of working pits to be utilized: 2 Abandonment procedure: _____ Drill pits must be closed within 365 days of spud date.
I hereby certify that the above statements are true and correct to the best of my knowledge and belief. 9/6/17 Date Signature of Applicant or Agent Received KANSAS CORPORATION COMMISSION NOV 06 2017 CONSERVATION DIVISION WICHITA, KS		
KCC OFFICE USE ONLY ☐ Liner ☐ Steel Pit ☐ RFAC ☐ RFAS Date Received: _____ Permit Number: _____ Permit Date: _____ Lease Inspection: ☐ Yes ☐ No		

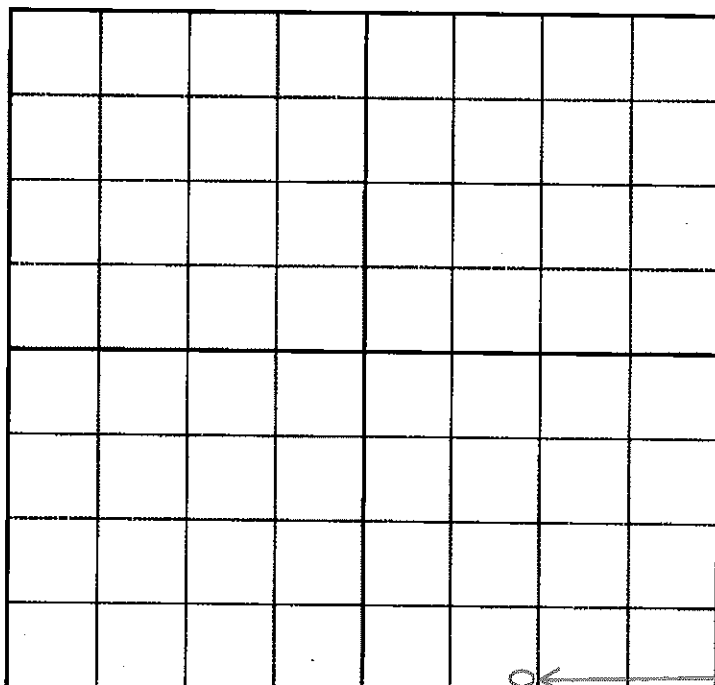
Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

IN ALL CASES, PLEASE FULLY COMPLETE THIS FORM.

SOUTHERN STAR CENTRAL GAS PIPELINE, INC
 Operator: _____ Location of Well: _____ County: RICE
 Facility Name: C59701A _____ 536 feet from ☐ N / ☒ S Line of Section
 Borehole Number: 01 _____ 1448 feet from ☒ E / ☐ W Line of Section
 Sec. 35 Twp. 19 S Rng. 8 ☐ 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.

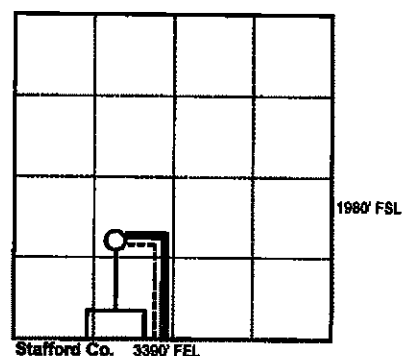


NOTE: In all cases, locate the spot of the proposed drilling location.

536'

LEGEND

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



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.