For	ксс	Use:
-----	-----	------

Effective Dat	e.

District #	ŧ	
SGA?	Yes	No

CORRECTION #1

KANSAS CORPORATION COMMISSION 1348080 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:	Spot Description:	
month day year		
	Sec TwpS. R E U W	
OPERATOR: License#	feet from N / S Line of Section	
Name:	feet from E / W Line of Section	
Address 1:	Is SECTION: Regular Irregular?	
Address 2:	(Check directions from nearest outside corner boundries)	
City: State: Zip: +	County:	
Contact Person:	Facility Name:	
Phone:	Borehole Number:	
	Ground Surface Elevation: MSL	
CONTRACTOR: License#		
Name:	Cathodic Borehole Total Depth: feet	
Type Drilling Equipment: Mud Rotary Cable	Depth to Bedrock: feet	
Air Rotary Other	Water Information	
Construction Features	Aquifer Penetration: None Single Multiple	
Length of Cathodic Surface (Non-Metallic) Casing	Depth to bottom of fresh water:	
Planned to be set: feet	Depth to bottom of usable water:	
Length of Conductor pipe (if any): feet	Water well within one-quarter mile: Yes No	
Surface casing borehole size: inches	Public water supply well within one mile: Yes No	
Cathodic surface casing size: inches	Water Source for Drilling Operations:	
Cathodic surface casing centralizers set at depths of: ; ;	Well Farm Pond Stream Other	
;;;;;;;	Water Well Location:	
Cathodic surface casing will terminate at:	DWR Permit #	
Above surface	Standard Dimension Ratio (SDR) is =	
Pitless casing adaptor will be used: Yes No Depth feet	(Cathodic surface csg. O.D. in inches / MWT in inches = SDR)	
	Annular space between borehole and casing will be grouted with:	
Anode installation depths are:;;;;;;	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:	
AFFIDAVIT	Depth of TOP of Backfill installation material:	
	Borehole will be Pre-Plugged? Yes No	
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 w	ell. An agreement between the operator and the District Office on nlugs	
and placement is necessary prior to plugging. In all cases, notify District Office prior to		
 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.		
 The minimum amount of cathodic surface casing as specified below shall be set by groups of the set by	outing to the top when the cathodic surface casing is set	
 File all required forms: a. File Drill Pit Application (form CDP-1) with Intent to Drill (for 		
 Act (form KSONA-1) with Cathodic Protection Borehole Intent (CB-1) c. File Completi d. Submit plugging report (CP-4) within 60 days after final plugging is completed. 		
	· · · · · · · ·	
Submitted Electronically		
For KCC Use ONLY		

FOR NCC USE UNLY		
API # 15	If this permit has expired or will not be drilled, check a box below, sign, date and return	
Conductor pipe required feet	to the address below.	
Minimum Cathodic Surface Casing Required: feet	Permit Expired Well Not Drilled	
Approved by:		
This authorization expires:		
	Date Signature of Operator or Agent	
Spud date: Agent:		
	\$	

1348080

API # 15 -_

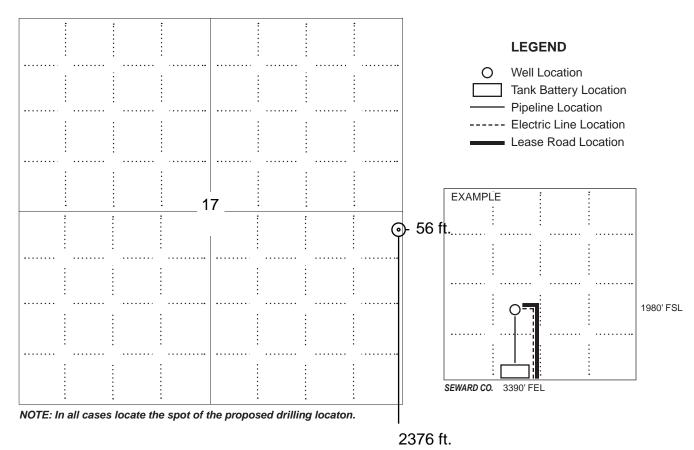
IN ALL CASES, PLEASE FULLY COMPLETE THIS SIDE OF THE FORM.

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

Operator:	Location of Well: County:
Facility Name:	feet from N / S Line of Section
Borehole Number:	feet from L E / W Line of Section
	SecTwpS. R E 🗌 W
If	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.



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.

CORRECTION #1

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1348080

Form CDP-1 July 2014 Form must be Typed

APPLICATION FOR SURFACE PIT

Operator Name: License Number: Operator Address: Phone Number: Control Person: Phone Number: Lasse Name & Well No: Phone Number: Type of Pit: Pit Location (QOQQ): Type of Pit: Pit Location (QOQQ): Statting Pit Doint Pit Statting Pit Doint Pit Pit demagency Pit Hauk-Off Pit Pit demagency Pit and Setting Pits only Pit demagency Pit and Setting Pits only Pit demagency Pit and Setting Pits only Articial Liner? Its the botton below ground level? Articial Liner? Pits No Pit demagency Pits and Setting Pits only Pit demagency Attriate Verson Weis Status Distance to nearest water well within one-mile of pit: Depth from ground level to depets point: Column of produing wells on lease: Depth from and and the liner Number of produing and Burn Pits ONLY: Type of material utilized in drilling/vorkovers: Number of produing vells on lease: Number of eo	Submit in Duplicate				
Contract Person: Phone Number: Lease Name & Well No:: Pit Location (QQQQ): Type of Pit: Pit Location (QQQQ): Emergency Pit Burn Pit Berngrency Pit Burn Pit (If WP Supply AFI No.or Near Diffee) Pit cloated in a Sonative Ground Water Area? (If WP Supply AFI No.or Near Diffee) Pit cloated in a Sonative Ground Water Area? (If WP Supply AFI No.or Near Diffee) Pit cloated in a Sonative Ground Water Area? (If WP Supply AFI No.or Near Diffee) Pit cloated in a Sonative Ground Water Area? (If WP Supply AFI No.or Near Diffee) (bble) (If WP Supply AFI No.or Near Diffee) County (If WP Supply AFI No.or Near Diffee) (bble) (If the pit is Indedity a Diffee) (bble) (If the pit is Inded gin a Diffee) (bble) <td>Operator Name:</td> <td></td> <td></td> <td>License Number:</td>	Operator Name:			License Number:	
Lease Name & Well No: Pet Location (QQQQ): Type of Pit: Pit is: Company Burn Pit Image Secting Pit Diffing Pit Image Section Company Pit Existing, date constructed: Image Section Company Pit Capacity: Image Section Company Pit Section Company Proposed Image Section Company Pit Section Company Image Section Company Pit Section Company <td>Operator Address:</td> <td></td> <td></td> <td></td>	Operator Address:				
Type of Pit: Pit is: Proposed Existing Setting Pit Drilling Pit H Existing, date constructed: Feet from North / South Line of Section Workower Pit Head-Off Pit Pit capacity: Feet from East / West Line of Section If Workower Pit Head-Off Pit Pit capacity: Feet from East / West Line of Section If workower Pit Head-Off Pit Pit capacity: Feet from East / West Line of Section Is the pit located in a Sensitive Ground Water Area? Yes No Chloride concentration: Is the bitom below ground level? Artificial Liner? How is the pit line if a plastic liner is not used? Pit dimensions (all but working pits): Langth (feet) Width (feet) No Pit Pit dimensions (all but working pits): Langth (feet) Width (feet) No Pit If the pit is lined give a brief description of the liner Describe procedures for periodic maintenance and determining Iner integrity, including any special monitoring. If the pit is lined give a brief description of the liner Describe procedures for periodic maintenance and determining Iner integrity, including any special monitoring. If the pit is lined give a brief description of the liner Describe procedures for periodic maintenance and determin	Contact Person:		Phone Number:		
emergency Pit Burn Pit Pit Proposed Existing Set:	Lease Name & Well No.:			Pit Location (QQQQ):	
Setting Pit Onling Pit If Existing, date constructed:	Type of Pit:	Pit is:		· • • •	
Workover Pit Haul-Off Pit (If WP Suppy API No. or Veer Dnilled) Pit capacity:	Emergency Pit Burn Pit	Proposed	Existing	SecTwpR East West	
(I'WP Sigply API No. or Veer Onlined) Pit capacity:		If Existing, date co	nstructed:	Feet from North / South Line of Section	
Is the pit located in a Sensitive Ground Water Area? Yes No Chloride concentration: mg/l Is the pot torm below ground level? Artificial Liner? 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:		Pit capacity:		Feet from East / West Line of Section	
Image: control level is the bottom below ground level? Artificial Liner? How is the pit lined if a plastic liner is not used? Image: control level is line is not used? Image: control level is lined if a plastic liner is not used? NA: Steel Pits Pit dimensions (all but working pits): Length (feet) Width (feet) NA: Steel Pits Depth from ground level to deepest point: (refer) NO Pit NO If the pit is lined give a brief description of the liner material, thickness and installation procedure. Describe procedures for periodic mattemance and determining liner integrity, including any special monitoring. Distance to nearest water well within one-mile of pit: Depth to shallowest fresh water feet. Source of information:			(bbls)	County	
Yes No Pit dimensions (all but working pits): Length (feet) Depth from ground level to deepest point: (feet) If the pit is lined give a brief description of the liner material, thickness and installation procedure. Distance to nearest water well within one-mile of pit: Gepth of water well Teducing Formation: Troducing Formation: Troducing of fluid produced daily: Abandonment procedure: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAC RFAC	Is the pit located in a Sensitive Ground Water A	rea? Yes	No	0	
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. Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. Distance to nearest water well within one-mile of pit: Depth to shallowest fresh water feet. Source of information: feet. Source of information: feet			10	How is the pit lined if a plastic liner is not used?	
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: Depth to shallowest fresh water feet. Source of information: feet Depth of water wellfeet Depth to shallowest fresh water feet. Source of information: feet Depth of water wellfeet Dilling, Workover and Haul-Off Pits ONLY: Producing Formation: Type of material utilized in drilling/workover:	Pit dimensions (all but working pits):	Length (fee	et)	Width (feet)N/A: Steel Pits	
material, thickness and installation procedure. liner integrity, including any special monitoring. Distance to nearest water well within one-mile of pit: Depth to shallowest fresh water feet. Source of information: measured well owner electric log KDWR Emergency, Setting and Burn Pits ONLY: Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: Abandonment procedure: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Orill pits must be closed within 365 days of spud date.	Depth fro	m ground level to dee	epest point:	(feet) No Pit	
Source of information: feet Depth of water well feet emergency, Settling and Burn Pits ONLY: Producing Formation: Number of producing wells on lease: Number of produced daily: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No Drillipts must be closed within 365 days of spud date. KCC OFFICE USE ONLY Liner Steel Pit					
Producing Formation: Type of material utilized in drilling/workover: Number of producing wells on lease: Number of working pits to be utilized: Barrels of fluid produced daily: Abandonment procedure: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No Drill pits must be closed within 365 days of spud date. Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit	feet Depth of water well	feet			
Number of producing wells on lease:			ver and Haul-Off Pits ONLY:		
Barrels of fluid produced daily: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No Drill pits must be closed within 365 days of spud date. Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAS	Producing Formation:		Type of materia	erial utilized in drilling/workover:	
Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes Drill pits must be closed within 365 days of spud date. Drill pits must be closed within 365 days of spud date. Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAS	Number of producing wells on lease: Number		Number of worl	Number of working pits to be utilized:	
flow into the pit? Yes Drill pits must be closed within 365 days of spud date. Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAC	Barrels of fluid produced daily: Abandon		Abandonment p	Abandonment procedure:	
Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAC RFAS			Drill pits must b	its must be closed within 365 days of spud date.	
Liner Steel Pit RFAC RFAS					
Date Received: Permit Number: Permit Date: Lease Inspection: Yes No					
	Date Received: Permit Num	oer:	Permi	t Date: Lease Inspection: Yes No	

Mail to: KCC - Conservation Division, 266 N Main St, Ste 220, Wichita, KS 67202-1513

Kansas Corpo Oil & Gas Con CERTIFICATION OF		Form KSONA-1 July 2014 Must Be Typed nust be Signed a must be Filled
T-1 (Request for Change of Operator Transfer of Injection	of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent n or Surface Pit Permit); and CP-1 (Well Plugging Application companying Form KSONA-1 will be returned.	n).
OPERATOR: License #	Well Location:] East 🗌 West
Surface Owner Information: Name: Address 1: Address 2: City:	sheet listing all of the information to the left for each surface of owner information can be found in the records of the register county, and in the real estate property tax records of the count	owner. Surface of deeds for the

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.

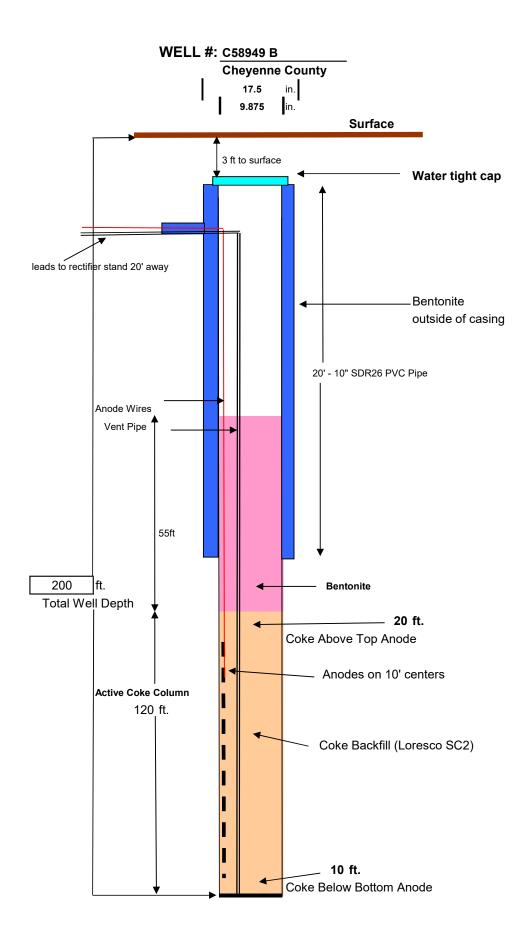
Select one of the following:

- □ 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

I



Summary of Changes

API/Permit #: 15-023-21460-00-00

Doc ID: 1348080

Correction Number: 1

Approved By: Rick Hestermann 03/16/2017

Field Name	Previous Value	New Value
Cathodic Surface Casing will Terminate At	AboveSurface	BelowSurfaceVault
KCC Only - Approved By	Rick Hestermann 12/29/2016	Rick Hestermann 03/16/2017
KCC Only - Permit Date	12/29/2016	03/16/2017
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=13 25489	//kcc/detail/operatorE ditDetail.cfm?docID=13 48080

Summary of Attachments

Doc ID: 1348080 Correction Number: 1 Attachment Name

WELL DESIGN