CORRECTION #1

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

Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

1348074

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	
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:	County:
Contact Person:	Facility Name:
Phone:	Borehole Number:
CONTRACTOR: License#	Ground Surface Elevation: MSL
Name:	Cathodic Borehole Total Depth: feet
Type Drilling Equipment:	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:	Depth to bottom of usable water: Water well within one-quarter mile: Yes No
Length of Conductor pipe (if any):	Public water supply well within one mile: Yes No
Surface casing borehole size: inches	Water Source for Drilling Operations:
Cathodic surface casing size: inches 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 Surface Vault Below Surface Vault	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:
The undersigned hereby affirms that the drilling, completion and eventual plugging	Borehole will be Pre-Plugged? Yes No
of this well will comply with K.S.A. 55-101 et. seq.	'
t is agreed that the following minimum requirements will be met:	
 Notify the appropriate District office prior to spudding and again before plugging the and placement is necessary prior to plugging. In all cases, notify District Office prior 	1
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.
 File all required forms: a. File Drill Pit Application (form CDP-1) with Intent to Drill (Act (form KSONA-1) with Cathodic Protection Borehole Intent (CB-1) c. File Completed. Submit plugging report (CP-4) within 60 days after final plugging is completed. 	form CB-1). b. File Certification of Compliance with Kansas Surface Owner Notification etion Form (ACO-1) within 60 days from spud date.
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Submitted Electronically	
For KCC Use ONLY	
API # 15	If this permit has expired or will not be drilled, check a box below, sign, date and return
Conductor pipe requiredfeet	to the address below.
Minimum Cathodic Surface Casing Required:feet	Parmit Evnirad Wall Not Prilled
Approved by:	Permit Expired Well Not Drilled
This authorization expires:(This authorization void if drilling not started within 12 months of approval date.)	
additionadation void in driming flot didition within 12 months of approval date.)	Data Simplify of Operators Asset
Spud date: Agent:	Date Signature of Operator or Agent
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CORRECTION #1	
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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.

perator:					_ Loc	Location of Well: County:							
cility Name:							feet	t from	_ N / _	S Line			
orehole Number:				feet from									
						Se	C	Twp	S	. R. —		_ E	W
						ls S	Section:	Regular o	or _	Irregulai	r		
				If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW									
						PLAT							
					-	e nearest		it boundary lir					
lease re	oads, tank b	atteries, pi	pelines an					as Surface O	wner N	otice Act	(House B	Bill 2032).	
				YOU M	ау атасп а	a separate	plat if des	irea.					
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2191 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.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1348074

Form CDP-1 July 2014 Form must be Typed

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: 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)		SecTwpR East West SectionFeet from East / West Line of SectionFeet from East / West Line of Section County		
Is the pit located in a Sensitive Ground Water A	Area? Yes	No	Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)		
Is the bottom below ground level? Yes No	Artificial Liner?	No	How is the pit lined if a plastic liner is not used?		
Pit dimensions (all but working pits):	Length (fee	et)	Width (feet)N/A: Steel Pits		
Depth fro	om ground level to dee	epest point:	(feet) No Pit		
If the pit is lined give a brief description of the li material, thickness and installation procedure.			edures for periodic maintenance and determining ncluding any special monitoring.		
Distance to nearest water well within one-mile	of pit:	Depth to shallo Source of infor	west fresh water feet. mation:		
feet Depth of water well	feet	measured	well owner electric log KDWR		
Emergency, Settling and Burn Pits ONLY:		Drilling, Work	over and Haul-Off Pits ONLY:		
Producing Formation:		Type of materia	al 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 s flow into the pit? Yes No	pilled fluids to	Drill pits must b	pe closed within 365 days of spud date.		
Submitted Electronically					
	KCC	OFFICE USE O			
Date Received: Permit Num	ber:	Perm	Liner Steel Pit RFAC RFAS it Date: Lease Inspection: Yes No		

CORRECTION #1

Kansas Corporation Commission Oil & Gas Conservation Division 1348074

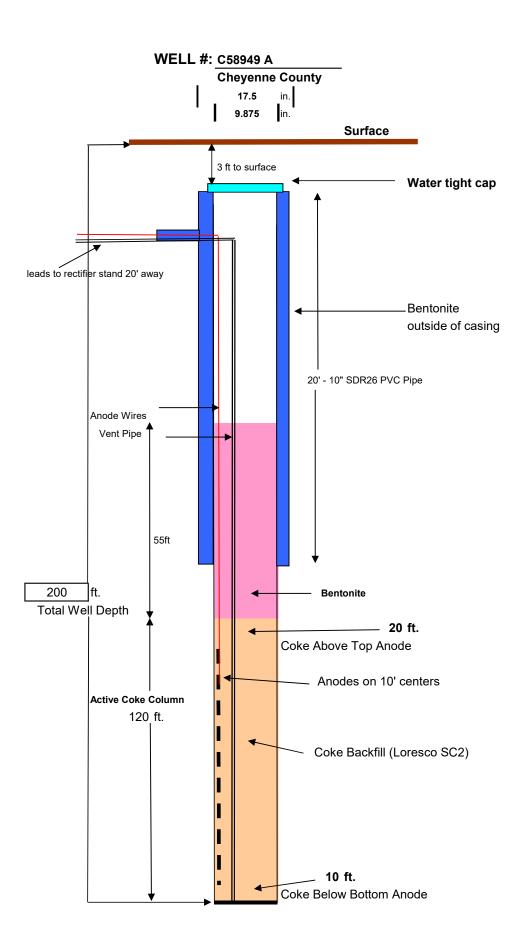
Form KSONA-1
July 2014
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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.

	Well Location:				
Name:	SecTwpS. R 🔲 East 🗌 West				
Address 1:	_ County:				
Address 2:	Lease Name: Well #:				
City:	If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:				
Contact Person:					
Phone: () Fax: ()					
Email Address:					
Surface Owner Information:					
Name:	When filing a Form T-1 involving multiple surface owners, attach an additional				
Address 1:	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				
Address 2:	county, and in the real estate property tax records of the county treasurer.				
City:					
are preliminary non-binding estimates. The locations may be entered or	s batteries, pipelines, and electrical lines. The locations shown on the plat In the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.				
Select one of the following:					
owner(s) of the land upon which the subject well is or will be lo	ct (House Bill 2032), I have provided the following to the surface ocated: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form being filed is a Form C-1 or Form CB-1, the plat(s) required by this and email address.				
KCC will be required to send this information to the surface ow	cknowledge that, because I have not provided this information, the vner(s). To mitigate the additional cost of the KCC performing this of the surface owner by filling out the top section of this form and KCC, which is enclosed with this form.				
	fee with this form. If the fee is not received with this form, the KSONA-1				
If choosing the second option, submit payment of the \$30.00 handling form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-					



Summary of Changes

API/Permit #: 15-193-20984-00-00

Doc ID: 1348074

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 25484	//kcc/detail/operatorE ditDetail.cfm?docID=13 48074

Summary of Attachments

Doc ID: 1348074

Correction Number: 1
Attachment Name

WELL DESIGN