For KCC Use:

District #		
SGA?	Yes	No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1354986

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:
monun day year	Sec Twp S. R E W
OPERATOR: License#	(Q/Q/Q/Q) 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: +	
Contact Person: Contact 2.p +	County:
Phone:	Facility Name:
	Borehole Number:
CONTRACTOR: License#	Ground Surface Elevation: MSL
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)
Anode installation depths are:;;; ;; ;; ;;	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:
AFFIDAVIT	Depth of TOP of Backfill installation material:
The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101 et. seq.	Borehole will be Pre-Plugged? Yes No
It is agreed that the following minimum requirements will be met:	
 Notify the appropriate District office prior to spudding and again before plugging the v and placement is necessary prior to plugging. In all cases, notify District Office prior is Notify appropriate District Office 48 hours prior to workover or re-entry. 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 gr. 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 Complet d. Submit plugging report (CP-4) within 60 days after final plugging is completed. 	to any grouting. routing to the top when the cathodic surface casing is set. rm CB-1). b. File Certification of Compliance with Kansas Surface Owner Notification
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	Permit Expired Well Not Drilled	
Approved by:		
This authorization expires:		
(This authorization void if drilling not started within 12 months of approval date.)	· ·	٦
	Date Signature of Operator or Agent	Π
Spud date: Agent:		
	\$	2

API # 15 -_

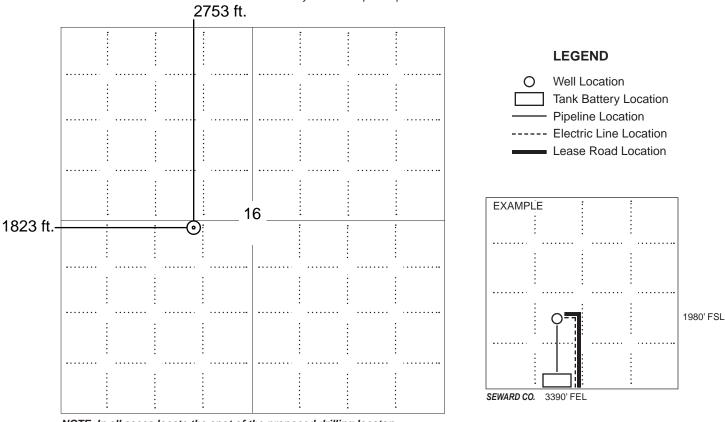
IN ALL CASES, PLEASE FULLY COMPLETE THIS SIDE OF THE FORM.

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:			
Borehole Number:	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.



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.

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1354986

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:	Pit is:		· • • •		
Emergency Pit Burn Pit	Proposed Existing		SecTwpR	East West	
Settling Pit Drilling Pit	/orkover Pit Haul-Off Pit		Feet from	North / South Line of Section	
Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled)			Feet from East / West Line of Section		
		(bbls)		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?	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 fro	m ground level to dee	epest point:	(feet)	No Pit	
If the pit is lined give a brief description of the liner material, thickness and installation procedure.			dures for periodic maintenance a cluding any special monitoring.	and determining	
		Depth to shallowest fresh water feet. Source of information:			
		measured		lectric log	
Emergency, Settling and Burn Pits ONLY:		Drilling, Worko	ver and Haul-Off Pits ONLY:		
Producing Formation:		Type of material utilized in drilling/workover:			
Number of producing wells on lease: Nu		Number of working pits to be utilized:			
Barrels of fluid produced daily: Abandor		Abandonment p	Abandonment procedure:		
Does the slope from the tank battery allow all spilled fluids to flow into the pit?		Drill pits must be closed within 365 days of spud date.			
Submitted Electronically	-				

KCC OFFICE USE ONLY Liner Steel Pit RFAC RFAS Permit Number: Permit Date: Date Received: _ Lease Inspection: Yes No

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

KANSAS CORPORA Oil & Gas Conse CERTIFICATION OF CO KANSAS SURFACE OWN	BULY 2014 RVATION DIVISION 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 T-1 (Request for Change of Operator Transfer of Injection of Any such form submitted without an accomendation of Select the corresponding form being filed:	r Surface Pit Permit); and CP-1 (Well Plugging Application). npanying Form KSONA-1 will be returned.
OPERATOR: License #	Well Location: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:	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

I

Cathodic Protection Installation Request



Region:	Western	Area:	El Dorado		Pipeline:	EDK 10" -
Alignment Sheet:	EKA-027-17	Tract:	7793	Mile Post:	88+04	Survey Station:
State :	KS	County:	Osage	Longitude:	38.74641	Latitude:
Section:	16	1/4 Sec.of 1/4:	NE of SW	Township:	155	Range:
Location: Property Owner Contact & Information: Power Company Contact and Information:						
Groundbed Type:	Deep		Current Required:	25A	Soil Resistance:	
Anode Type:	Lida MMO 2.5/50		Number of Anodes:	10	Type of Backfill:	oresco SC-3
Amount of Backfill:	4572		Type of Cable:	HMWPE		Amount of Cable:
New Rectifier Required: (yes/no):	Yes		Rectifier Type:	Universal 230VAC 50V Course and 6 Fine Taps	,	Anode Depth:
Anode Spacing:	10'	Anode Hole Specs:	2 - 10" X 200'	Design Life:	20 Years	
Re	quired Installation Date:	05/31/17		•	Construction Company:	Mesa
Driving Directions Details:	will be on south side of Installation consists of coke breeze. A new an negative cables will be	f Rd. drilling 2 - 10" X 200' dia node junction box will be i installed to the EDK and I	ameter holes, setting 2 nstalled and a RED #2 EDW pipelines and tern	O' of casing and installin HMWPE cable will tie the ninate in a 2 circuit junc	el 1/2 Mile and turn right ng 5 - 2.5/50 MMO anode e new system into the pos tion box, a #2 Black HMW	s on 10' centers and b itive side of the new re PE header cable will ter
	U U	ctifier. A new rectifier an nv. plug with choke install			ctifier shall be a single ph	ase 230V 50V50A witl
Requested By:	Travis Holliday	-	Date	01/11/17	_	
Company No.	280	-	Operating Unit	135	-	Cost Center

EDW 16" 4650+40 -95.8656

14E

150' Blk - 20' Red

195'

tely 0.6 Mile, location

ackfilling with Loresco ectifier. Two (2) rminate on the h 6 course and 6 fine

5001

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/

Jay Scott Emler, Chairman Shari Feist Albrecht, 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.