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

Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

1354987

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.

	Surface Owner Notification Act, MUST be submitted with this form.				
Expected Spud Date:	Spot Description:				
	Sec Twp S. R E 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:	Country				
Contact Person:	County:				
Phone:	Facility Name: Borehole Number:				
	Ground Surface Elevation: MSI				
CONTRACTOR: License#	Cathodic Borehole Total Depth:				
Name:	Depth to Bedrock:				
Type Drilling Equipment: Mud Rotary Cable	Water Information				
Air Rotary Other	Aguifer Penetration: None Single Multiple				
Construction Features					
Length of Cathodic Surface (Non-Metallic) Casing	Depth to bottom of fresh water: Depth to bottom of usable water:				
Planned to be set:feet	Water well within one-quarter mile: Yes No				
Length of Conductor pipe (if any): feet	Public water supply well within one mile: Yes No				
Surface casing borehole size: inches					
Cathodic surface casing size: inches	Water Source for Drilling Operations: Well Farm Pond Stream Other				
Cathodic surface casing centralizers set at depths of:;;	Water Well Location:				
;;;;;;;	DWR Permit #				
Cathodic surface casing will terminate at:	Standard Dimension Ratio (SDR) is =				
☐ Above surface ☐ Surface Vault ☐ Below Surface Vault	(Cathodic surface csg. O.D. in inches / MWT in inches = SDR)				
Pitless casing adaptor will be used: Yes No Depth feet	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:				
	Anode conductor (backfill) material TYPE:				
	Depth of BASE of Backfill installation material:				
	Depth of TOP of Backfill installation material:				
AFFIDAVIT 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.	Doronole will be the thagged tee tee				
t is agreed that the following minimum requirements will be met:					
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					
2. Notify appropriate District Office 48 hours prior to workover or re-entry.					
B. 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 	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.				
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				
	to the address below.				
Conductor pipe requiredfeet					
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.)					
	Date Signature of Operator or Agent				
	j Jan				
Spud date: Agent:					

1354987

SEWARD CO. 3390' FEL

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.

Operator: _							_ Loc	ation of We	ell: County: _					
Facility Na	me:									feet	t from	N /	S Line	of Section
Borehole N	Number:						_			feet	t from	_ E / [W Line	of Section
							Sed	D	_ Twp	S	. R		_ E	W
							ls S	Section:	Regular o	or	Irregular			
							If Section is Irregular, locate well from nearest corner bounds				dary.			
							Sec	ction corner	used:	NE	NVV	SE S	SW	
			atteries, p		d electrica	otage to the al lines, as	required b		t boundary li as Surface O red.					
				:		:	:	:						
				:		:					LEGI	END		
										0	Tank Pipeli Electr	Location Battery L ne Locati ic Line Le Road Le	ion ocation	
		•••••		:	•••••	:		:						
1823 ft					6	:	:	:	EX	KAMPLE :			: : :	
1020 11.			C	'. : :	I	•			•••		:		:	
		:		:	•••••	:	:							
				:			:			•••••			•	
				·			-			:			:	1980' FSI

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

1354987

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	Pit is:	Existing	SecTwp R			
Settling Pit Drilling Pit	If Existing, date con	structed:	Feet from North / South Line of Section			
Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled)	Pit capacity:	(bbls)	Feet from East / West Line of Section County			
Is the pit located in a Sensitive Ground Water A	rea? Yes N	No	Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)			
Is the bottom below ground level? Yes No	Artificial Liner?	0	How is the pit lined if a plastic liner is not used?			
Pit dimensions (all but working pits):	Length (fee	t)	Width (feet) N/A: Steel Pits			
Depth fro	om ground level to dee	pest point:	(feet) No Pit			
If the pit is lined give a brief description of the line material, thickness and installation procedure.	ilei		dures for periodic maintenance and determining ncluding any special monitoring.			
Distance to nearest water well within one-mile of	of pit:	Depth to shallo	west fresh water feet. mation:			
feet Depth of water well	feet	measured	well owner electric log KDWR			
Emergency, Settling and Burn Pits ONLY:		Drilling, Worko	over and Haul-Off Pits ONLY:			
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 splow into the pit? Yes No	pilled fluids to	Drill pits must be closed within 365 days of spud date.				
Submitted Electronically						
	ксс с	OFFICE USE O	NLY Liner Steel Pit RFAC RFAS			
Date Received: Permit Numl	ber:	Permi	it Date: Lease Inspection: Yes No			

Kansas Corporation Commission Oil & Gas Conservation Division

1354987

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.

Select the corresponding form being filed: C-1 (Intent) CB-	-1 (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)
OPERATOR: License #	_ Well Location:
Name:	
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 or
Contact Person:	the lease below:
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:	accepts, and in the real estate property toy records of the accept, traceurer
City:	_
the KCC with a plat showing the predicted locations of lease roads, to are preliminary non-binding estimates. The locations may be entered Select one of the following:	thodic Protection Borehole Intent), you must supply the surface owners and ank batteries, pipelines, and electrical lines. The locations shown on the plat of on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted. Be Act (House Bill 2032), I have provided the following to the surface e located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form
	m being filed is a Form C-1 or Form CB-1, the plat(s) required by this
KCC will be required to send this information to the surface	I acknowledge that, because I have not provided this information, the owner(s). To mitigate the additional cost of the KCC performing this ess of the surface owner by filling out the top section of this form and the KCC, which is enclosed with this form.
If choosing the second option, submit payment of the \$30.00 handli form and the associated Form C-1, Form CB-1, Form T-1, or Form C	ing fee with this form. If the fee is not received with this form, the KSONA-1 CP-1 will be returned.
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:	15S	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:	Loresco SC-3
Amount of Backfill:	4572		Type of Cable:	HMWPE		Amount of Cable:
New Rectifier Required: (yes/no):			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:	From Hwy 56 and Hwy will be on south side of Installation consists of	31 in Burlingame, Ks. go Rd. drilling 2 - 10" X 200' dia	meter holes, setting 2	O' of casing and installir	ng 5 - 2.5/50 MMO anod	des on 10' centers and b
Paguestad By	negative side of the red	installed to the EDK and E ctifier. A new rectifier and nv. plug with choke install	d rectifier pole will be	installed and the new re also be installed.	,	
					_	0
Company No.	280		Operating Unit	135	_	Cost Center



EDW 16"

4	650+40)
-9	95.8656	6
	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 Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



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

Sam Brownback, Governor

Jay Scott Emler, Chairman Shari Feist Albrecht, Commissioner Pat Apple, Commissioner

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.