

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1351990

Form CB-1 Oct 2016 Form must be Typed Form must be Signed All blanks must be Filled

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CATHODIC PROTECTION BOREHOLE INTENT

Must be approved by the KCC sixty (60) days prior to commencing well.

Expected Spud Date:	Spot Description:
month day year	
	(0/0/0/0)
OPERATOR: License#	
Name:	
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:
CONTRACTOR: License#	Ground Surface Elevation: MSI
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: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 Surface Vault Below Surface Vault	Standard Dimension Ratio (SDR) is =
Pitless casing adaptor will be used: Yes No Depthfeet	(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	Borehole will be Pre-Plugged? Yes No
of this well will comply with K.S.A. 55-101 et. seq.	· <u>L</u>
t is agreed that the following minimum requirements will be met:	
. Netificities and a minimal and the second discountry and a minimal and	An arranged between the arranged the District Office and the
 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 	
2. Notify appropriate District Office 48 hours prior to workover or re-entry.	to any groung.
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 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
	form CB-1). b. File Certification of Compliance with Kansas Surface Owner Notification
Act (form KSONA-1) with Cathodic Protection Borehole Intent (CB-1) c. File Compl	
d. Submit plugging report (CP-4) within 60 days after final plugging is completed.	
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.)	
G	Date Signature of Operator or Agent
Spud date: Agent:	Signature of Operator of Agent
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For KCC Use ONLY	
API # 15	_

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

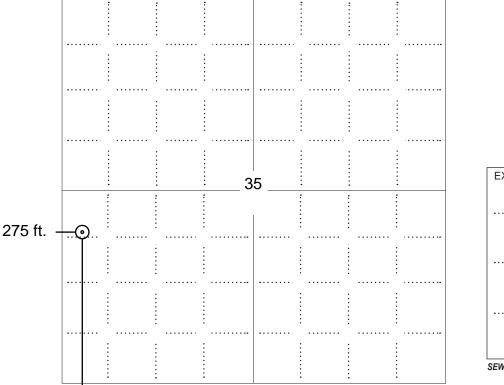
In all cases, please fully complete this side of the form. Include items 1 through 3 at the bottom of this page.

Operator:	Location of Well: County:		
Facility Name:	feet from N / S Line of Section feet from E / W Line of Section		
Borehole Number:	feet from L E / W Line of Section		
	Sec Twp S. R		
	Is Section: Regular or Irregular		
	If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW		

PLAT

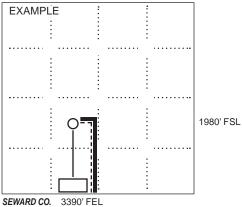
Show location of the Cathodic Borehole. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032).

You may attach a separate plat if desired.



LEGEND

O Well Location
Tank Battery Location
Pipeline Location
Electric Line Location
Lease Road Location



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

2056 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.



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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:		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 SectionCounty		
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? 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.		
			Depth to shallowest fresh water feet. Source of information:		
		measured well owner electric log KDWR			
Emergency, Settling and Burn Pits ONLY:		Drilling, Worko	illing, Workover 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 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					
Date Received: Permit Numl	ber:	Permi	it Date: Lease Inspection: Yes No		



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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: State: Zip:+	_ 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: State: Zip:+	_
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: I certify that, pursuant to the Kansas Surface Owner Notice owner(s) of the land upon which the subject well is or will be 	thodic Protection Borehole Intent), you must supply the surface owners and ank batteries, pipelines, and electrical lines. The locations shown on the plat d on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted. e 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
form; and 3) my operator name, address, phone number, fax	m being filed is a Form C-1 or Form CB-1, the plat(s) required by this c, and email address.
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 less 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 handling 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	

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CLIENT: ONEOK		PROJECT NAME:	Groundbed Installa	tion DATE DRILL	ED: TBD
SITE: Multple		LOCATION:	Kansas		
OTHER ID# DRILLING	F	ACILITY:	GI	PS	
COMPANY: Woofter Pun	np and Well	RIG:		BOREHOLE: 10 inch	
LOGGED BY:		DRILLING METHOD:	Wet Rotary or Dry	FLUID Water if w	et rotary
	TYPE	INTERVAL	MATERIAL	JOINT LENGTH	DIAME
CASING:	SDR 21	if required	PVC		10
SCREEN:					
GROUT:					
SEAL:					
FILTER PACK:					
CONSTRUCTION	VELL 3		DESCRIPTION/CO O I L E M E N T	MMENTS	
		s	AEENV ANO SYS	I R O D E T E M	
Initial Depth to Water:					
Static Depth to Water					
Comments	Not to sca	le			

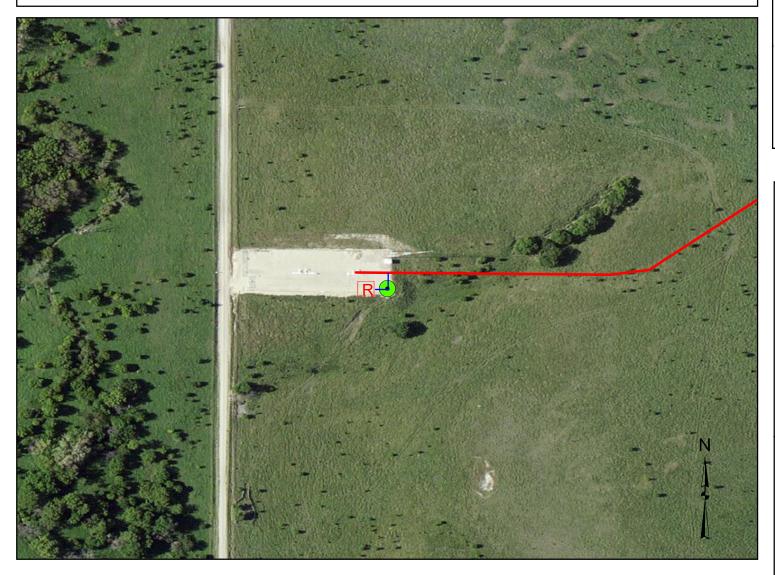
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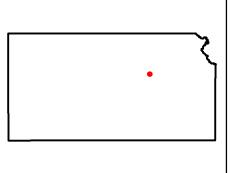
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ETER)"



KS-KC-02 Replacement Hall





Legend

Pipeline

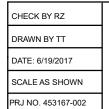
Rectifier

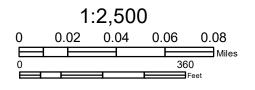
Deep Well Groundbed

Groundbed Location : 2056' from S section line 257' from W section line

The locations shown on the plat are preliminary non-binding estimates.

Pipeline and Groundbed are below ground features. Rectifier is an above ground feature.







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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

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

July 12, 2017

ONEOK NGL Pipeline, LLC PO Box 29 Medford, OK 73759

RE: Request for Cathodic Wellbore Variance K. A. R. 82-3-702 (b) (4) KS-KC-02 1 Section 35-T13S-R4E, Dickinson County

Dear Sirs:

The Kansas Corporation Commission has received your request for an exception to the minimum surface pipe requirement for a multiple aquifer cathodic well bore completion as set out in K.A.R. 82-3-702(b)(4). From your request, the KCC understands that you are requesting to set 20 feet of 10" PVC casing and utilize Conducrete backfill in the borehole from 300 feet total depth to 125 feet and cement from a depth of 125 feet back to surface.

After review of this matter by technical staff it was determined that the proposed construction method will adequately protect fresh and usable water in this area.

Notify the KCC District #2 office prior to spudding the well so they may have the opportunity to witness the well construction procedure.

Sincerely,

Ryan A. Hoffman

Director

cc: Rene Stucky, Production Supervisor Ry 7/6/17

Jeff Klock - District #2 Supervisor VVIA Production Supervisor Supe