

DUR14

For KCC Use: 4-28-2010
Effective Date: 4-28-2010
District # 1
SGA? Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CB-1
December 2008
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.

Expected Spud Date: MAY 17, 2010
month day year

OPERATOR: License# 4824
Name: PIONEER NATURAL RESOURCES
Address 1: BOX 1006
Address 2:
City: ULYSSES State: KS Zip: 67880
Contact Person: FRANCIS FORBES
Phone: 620-353-8549

CONTRACTOR: License# 32775
Name: MCLEAN'S CP INSTALLATION, INC
Type Drilling Equipment: Mud Rotary Cable
 Air Rotary Other

Construction Features

Length of Cathodic Surface (Non-Metallic) Casing
Planned to be set: 20 feet
Length of Conductor pipe (if any): feet
Surface casing borehole size: 17 1/2"-20" 10"-280" inches
Cathodic surface casing size: 10" inches
Cathodic surface casing centralizers set at depths of: 20';
Cathodic surface casing will terminate at:
 Above surface Surface Vault Below Surface Vault
Pitless casing adaptor will be used: Yes No Depth: feet
Anode installation depths are: 290 ; 280 ; 270 ; 260 ; 250 ;
240 ; 230 ; 220 ; 210 ; 200 ; 190 ; 180 ; 170 ;
160 , 150

Spot Description: NE NE SN
NE - NE - SE - Sec. 10 Twp. 31 S. R. 39 E W
(0000) 2,315 feet from N / S Line of Section
60 feet from E / W Line of Section

Is SECTION: Regular Irregular?
(Check directions from nearest outside corner boundaries)

County: STEVENS
Facility Name: RECTIFIER #29
Borehole Number: 1

Ground Surface Elevation: 3050? act 3200 MSL
Cathodic Borehole Total Depth: 300 feet
Depth to Bedrock: 340 feet

Water Information
Aquifer Penetration: None Single Multiple
Depth to bottom of fresh water: 340
Depth to bottom of usable water: 550
Water well within one-quarter mile: Yes No
Public water supply well within one mile: Yes No
Water Source for Drilling Operations:
 Well Farm Pond Stream Other

Water Well Location:
DWR Permit # Apply if needed.

Standard Dimension Ratio (SDR) is = 26
(Cathodic surface csg. O.D. in inches / MWT in inches = SDR)
Annular space between borehole and casing will be grouted with:
 Concrete Neat Cement Bentonite Cement Bentonite Clay
Anode vent pipe will be set at: 3 feet above surface
Anode conductor (backfill) material TYPE: CARBO 60
Depth of BASE of Backfill installation material: 300'
Depth of TOP of Backfill installation material: 120'
Borehole will be Pre-Plugged? Yes No

AFFIDAVIT

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 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 to any grouting.
- 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.
- 5. File all required forms: a. File Drill Pit Application (form CDP-1) with Intent to Drill (form CB-1). b. File Completion Form (ACO-1) within 30 days from spud date. c. Submit plugging report (CP-4) within 30 days after final plugging is completed.

I hereby certify that the statements made herein are true and to the best of my knowledge and belief.

Date: 4/16/10 Signature of Operator or Agent: [Signature] Title: OPERATIONS MANAGER

For KCC Use ONLY
API # 15: 189-22726-0000
Conductor pipe required: None feet
Minimum Cathodic Surface Casing Required: 20 feet Alt 3
Approved by: [Signature] 4-23-2010
This authorization expires: 4-23-2011
(This authorization void if drilling not started within 12 months of approval date.)
Spud date: Agent:

If this permit has expired or will not be drilled, check a box below, sign, date and return to the address below.

Permit Expired Well Not Drilled

Date Signature of Operator or Agent

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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10 31 39 E W

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

Show the relationship to the other wells or facilities proposed to be serviced by the intended cathodic borehole. Please show all wells, existing cathodic boreholes, pipelines or facilities within 1/2 mile of the proposed borehole.

API No. 15 - 189-22726-00-00
Operator: PIONEER NATURAL RESOURCES
Facility Name: RECTIFIER #29
Borehole Number: 1

Location of Well: County: STEVENS
2,315 feet from N / S Line of Section
60 feet from E / W Line of Section
Sec. 10 Twp. 31 S. R. 39 E W

Is Section: Regular or Irregular

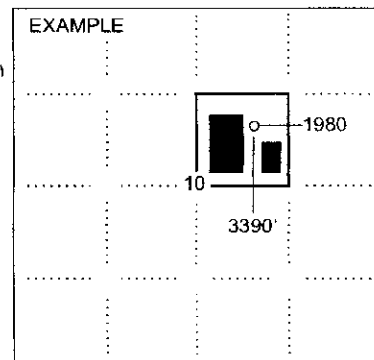
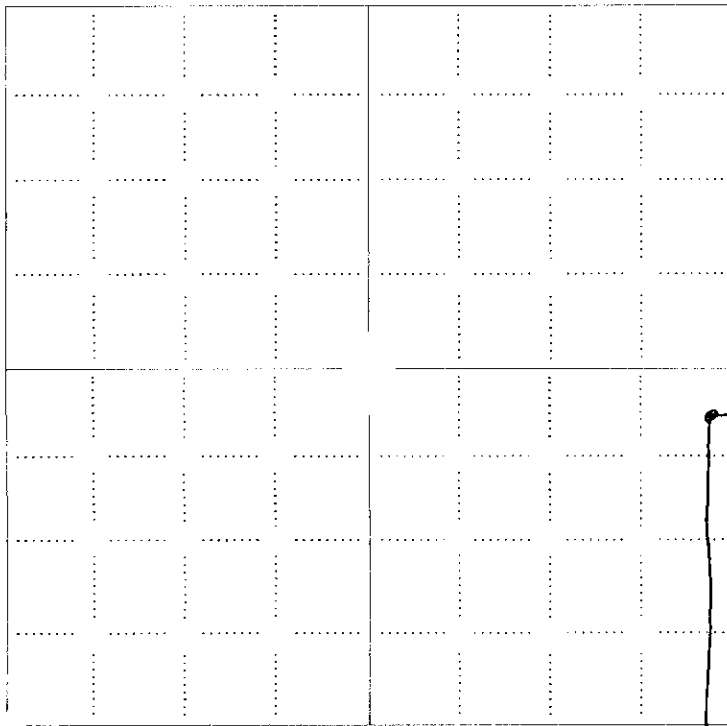
If Section is Irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

PLAT

(Show location of intended cathodic borehole)

(Show footage to the nearest lease, unit or outside section boundary line.)



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.

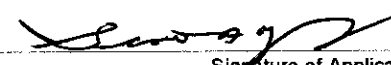
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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CDP-1
April 2004
Form must be Typed

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name: PIONEER NATURAL RESOURCES		License Number: 4824	
Operator Address: BOX 1006		ULYSSES KS 67880	
Contact Person: FRANCIS FORBES		Phone Number: 620-353-8549	
Lease Name & Well No.: RECTIFIER #29 1		Pit Location (QQQQ): NE NE NS	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input checked="" type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <small>(If WP Supply API No. or Year Drilled)</small>		Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chloride concentration: _____ mg/l <small>(For Emergency Pits and Settling Pits only)</small>	
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
How is the pit lined if a plastic liner is not used?		Sec. 10 Twp. 31 R. 39 <input type="checkbox"/> East <input checked="" type="checkbox"/> West 2,315 Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section 60 Feet from <input checked="" type="checkbox"/> East / <input type="checkbox"/> West Line of Section STEVENS County	
Pit dimensions (all but working pits): Length (feet) 15 Width (feet) _____ N/A: Steel Pits Depth from ground level to deepest point: 6 (feet) _____ No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure. 6M BLACK PIT LINER LAYED IN PIT AND EDGES SECURED TO PIT.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. PIT WILL ONLY BE USED FOR A 2-3 DAY PERIOD THEN PIT WILL BE BACKFILLED.	
Distance to nearest water well within one-mile of pit 2547 feet Depth of water well 340 feet		Depth to shallowest fresh water 150 feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input checked="" type="checkbox"/> KDWR	
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: <u>Drilg mud</u> Number of working pits to be utilized: <u>1</u> Abandonment procedure: <u>Remove Pits + backfill</u> Drill pits must be closed within 365 days of spud date.	
I hereby certify that the above statements are true and correct to the best of my knowledge and belief.			
4/16/10 Date		 Signature of Applicant or Agent	

15-189-22726-0000

KCC OFFICE USE ONLY		Steel Pit <input type="checkbox"/>	RFAC <input type="checkbox"/>	RFAS <input type="checkbox"/>
Date Received: 4-19-10	Permit Number: _____	Permit Date: 4-19-10	Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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