

FOR KCC USE:

FORM CB-1 12/93

FORM MUST BE TYPED

FORM MUST BE SIGNED

ALL BLANKS MUST BE FILLED IN

EFFECTIVE DATE: 2-28-2009

State of Kansas

DISTRICT # 1

CATHODIC PROTECTION BOREHOLE INTENT

SGA?....Yes-☒ No

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

Expected Spud (Starting) Date 5-1-09

OPERATOR: License # 4824 month day year

Name: PIONEER NATURAL RESOURCES

Address: 5205 N O'CONNOR BLVD

City/State/Zip: IRVING, TX 75039

Contact Person: STEVE JOHNSON

Phone: 806-934-5251

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 20 ft.

Planned to be set: ☐ ft.

Length of Conductor pipe (if any?): 17 1/2" - 20' 10" - 180' ft.

Size of the borehole (I.D.): 17 1/2" - 20' 10" - 180' 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 at Depth 290 ft.

Anode installation depths are: 290, 280, 270, 260,  
250, 240, 230, 220, 210, 200, 190, 180, 170,  
160, 150

Spot (Location) 0/0/0  
SE SE SE Sec 27 Twp 30S S, Rg 38 X East

87 feet from South/North line of Section  
30 feet from East/West line of Section

(Circle directions from nearest outside corner boundary)

IS SECTION ☒ REGULAR ☐ IRREGULAR?

(Spot well on the Section Plat on Reverse Side)

County: GRANT

Lease Name: Rectifier #22 Well #: 1

Facility Name: Replacement Rectifier

Ground Surface Elevation: 3171 MSL

Cathodic Borehole Total Depth 480 ft.

Depth to Bedrock 480 ft.

WATER INFORMATION

Aquifer Penetration: ☐ None ☒ Single ☐ Multiple

Depth to bottom of fresh water: 480

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 OD csg. in inches / MWT in inches = SDR)

Annular space between borehole and casing will be grouted

with: ☒ Concrete ☐ Bentonite Cement

☐ Neat Cement ☐ Bentonite clay

Anode vent pipe will be set at: 3 ft. above surface

Anode conductor (backfill) material TYPE: Carbo 60

Depth to BASE of Backfill installation material: 300'

Depth to TOP of Backfill installation material: 140'

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 of and again before plugging well;
2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
3. The minimum amount of cathodic surface casing as specified below shall be set by grouting to the top.
4. An agreement between the operator and the district office on plugs and placement is necessary prior to plugging;
5. The appropriate district office will be notified before well is either plugged or casing is grouted in;
6. IN ALL CASES, NOTIFY DISTRICT OFFICE PRIOR TO ANY CEMENTING.

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

Date: 2-16-09 Signature of Operator or Agent: Scott A. Yrge Operations Manager

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API # 15-

Conductor pipe required None feet

Minimum cathodic surface casing required 20 feet A143

Approved by: 2-23-2009

This authorization expires: 2-23-2010

(This authorization void if drilling not started within 12 months of effective date.)

Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

REMEMBER TO:

- File Drill Pit Application (form CDP-1) with Intent to Install;
- File Completion Form CB-2 within 30 days of spud date;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CB-4) within 30 days after plugging is completed.

Mail to: KCC - Conservation Division, 130 S. Market - Room 207B, Wichita, Kansas 67202-1286.

**IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW**

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

API NO. 15- \_\_\_\_\_  
 OPERATOR Pioneer Natural Resources LOCATION OF WELL: COUNTY Grant  
 LEASE Rectifier #22 \_\_\_\_\_ 87 feet from South north line of section  
 WELL NUMBER 1 \_\_\_\_\_ 30 feet from East west line of section  
 FACILITY NAME Replacement Rectifier SECTION 27 TWP 50S RG 38W

SPOT: QTR/QTR/QTR/QTR OF ACREAGE  
SE - SE - SE - \_\_\_\_\_

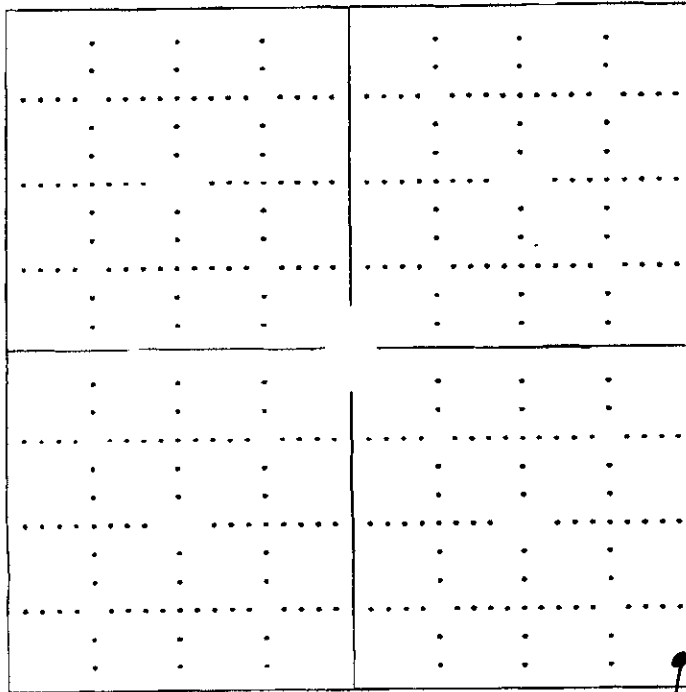
IS SECTION X REGULAR or \_\_\_\_\_ IRREGULAR  
IF SECTION IS IRREGULAR, LOCATE WELL FROM NEAREST CORNER BOUNDARY.

Section corner used: \_\_\_\_\_ NE \_\_\_\_\_ NW \_\_\_\_\_ SE \_\_\_\_\_ SW

**PLAT**

(Show location of intended cathodic borehole.)

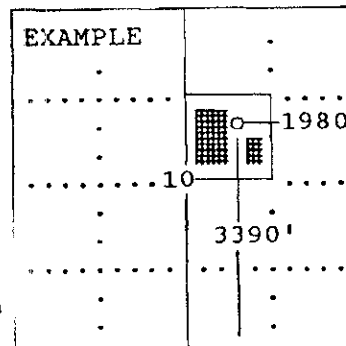
(Show footage from nearest lease, unit or outside section boundary line.)



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SEWARD CO.

**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; and
- 3) the distance to the nearest lease, unit or outside section boundary line.

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**APPLICATION FOR SURFACE PIT**

Form CDP-1  
April 2004  
Form must be Typed

Submit in Duplicate

Operator Name: PIONEER NATURAL RESOURCES		License Number: 4824
Operator Address: 5205 N O'CONNOR BLVD IRVING, TX 75039		
Contact Person: STEVE JOHNSON		Phone Number: (806) 934-5251
Lease Name & Well No.: Rectifier # 22 Well # 1		Pit Location (QQQQ):
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)	SE . SE . SE . Sec. 27 Twp. 30S R. 38 East <input type="checkbox"/> West <input checked="" type="checkbox"/> 87 Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section 30 Feet from <input checked="" type="checkbox"/> East / <input type="checkbox"/> West Line of Section GRANT County
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? 6M BLACK PLASTIC LINER
Pit dimensions (all but working pits): 15' Length (feet) 6' Width (feet) N/A: Steel Pits Depth from ground level to deepest point: 6' (feet)		
If the pit is lined give a brief description of the liner material, thickness and installation procedure.  6M BLACK PLASTIC 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 2-3 DAY PERIOD THEN PIT WILL BE BACKFILLED.
Distance to nearest water well within one-mile of pit NONE 1358 feet    Depth of water well 400 feet		Depth to shallowest fresh water 237 feet. Source of information: _____ measured _____ well owner _____ electric log <input checked="" type="checkbox"/> KDWR
<b>Emergency, Settling and Burn Pits ONLY:</b>  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		<b>Drilling, Workover and Haul-Off Pits ONLY:</b>  Type of material utilized in drilling/workover: drilling mud Number of working pits to be utilized: 1 Abandonment procedure: BACKFILL  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.  <div style="display: flex; justify-content: space-between;"> <div>2-16-09 Date</div> <div> Signature of Applicant or Agent</div> </div>		
<b>KCC OFFICE USE ONLY</b>		
Date Received: 2/20/09 Permit Number: _____ Permit Date: 2/20/09 Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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

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