

Use: 11-29-2009
Active Date: 2
District # 2
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: 12 month 10 day 09 year

OPERATOR: License# 34062
Name: NuStar Pipeline Operating Partnership LP
Address 1: 7340 West 21st North
Address 2:
City: Wichita State: Ks Zip: 66205 +
Contact Person: Gary Hollis
Phone: 316-721-7018

CONTRACTOR: License# 6427
Name: Rosencrantz-Bemis Enterprises, Inc.
Type Drilling Equipment: ☒ Mud Rotary ☐ Cable
☐ Air Rotary ☐ Other

Construction Features

Length of Cathodic Surface (Non-Metallic) Casing
Planned to be set: 100 120 feet
Length of Conductor pipe (if any): n/a feet
Surface casing borehole size: 17 and 10 inches
Cathodic surface casing size: 10 inches
Cathodic surface casing centralizers set at depths of: 100 ; 60 ;
20 ;
Cathodic surface casing will terminate at:
☐ Above surface ☐ Surface Vault ☒ Below Surface Vault
Pitless casing adaptor will be used: ☒ Yes ☐ No Depth 3 feet
Anode installation depths are: 295 ; 285 ; 275 ; 265 ; 255 ;
245 ; 235 ; 225 ; 215 ; 205 ; 195 ; 185 ; 175 ; 165, 155

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: 11-18-09 Signature of Operator or Agent: [Signature] Title: Secretary

Spot Description:
NW - NW - SW - SW Sec. 1 Twp. 27 S. R. 2 ☒ E ☐ W
(or a/a/a) 1,057 feet from ☒ S Line of Section
5,223 feet from ☒ E / ☒ Line of Section

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

County: Sedgwick
Facility Name: NuStar Cathodic Protection
Borehole Number: 3
Ground Surface Elevation: 1373 MSL
Cathodic Borehole Total Depth: 300 feet
Depth to Bedrock: 25 25 feet

Water Information

Aquifer Penetration: ☐ None ☒ Single ☐ Multiple
Depth to bottom of fresh water: 25
Depth to bottom of usable water: 100 (water well)
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 or less
(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: Loresco SW5-pea gravel
Depth of BASE of Backfill installation material: 300
Depth of TOP of Backfill installation material: 5
Borehole will be Pre-Plugged? ☐ Yes ☒ No

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For KCC Use ONLY

API # 15 - 173-21002-0000
Conductor pipe required None feet
Minimum Cathodic Surface Casing Required: 120 feet A1+3
Approved by: [Signature] 11-24-2009
This authorization expires: 11-24-2010
(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

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 - 173-21002-00-00
 Operator: NuStar, Kaneb Pipeline
 Facility Name: NuStar Cathodic Protection
 Borehole Number: 3

Location of Well: County: Sedgwick
1,057 feet from RT ☒ S Line of Section
5,223 feet from ☐ E / ☒ W Line of Section
 Sec. 1 Twp. 27 S. R. 2 ☒ E ☐ W

Is Section: ☒ Regular or ☐ Irregular

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

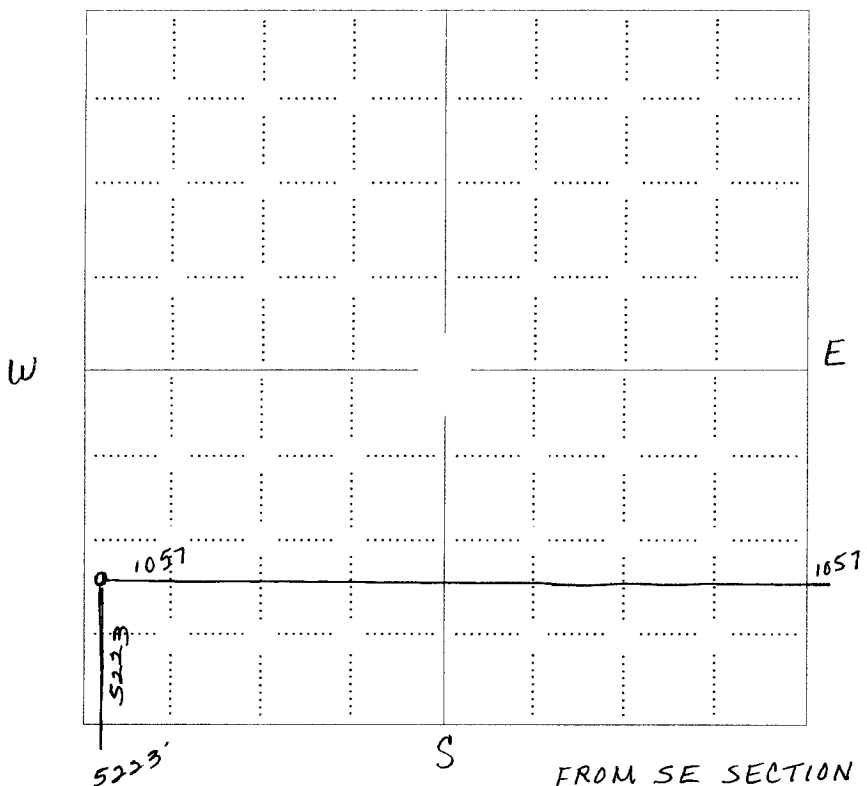
Section corner used: ☐ NE ☐ NW ☐ SE ☐ SW

PLAT

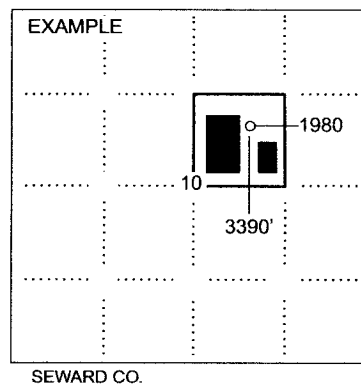
(Show location of intended cathodic borehole)

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

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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.

15173-21002-0000

KGS: Legal to Geographic Conversion Program -- Beta Test 11/17/2008

File Conversion Utilities Help

IO Settings

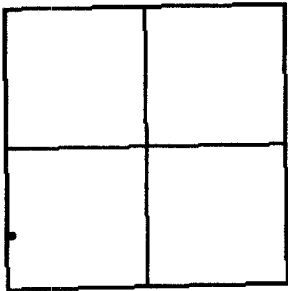
Datum ☐ NAD27 ☒ NAD83

Footage Corner ☒ SE ☐ SW ☐ NE ☐ NW

Latitude DD.ddddddd 37.72611

Longitude DDD.ddddddd 097.17111

01 T27S R02E



Kansas TRS = 27S02E01
Kansas STR = 01 T27S R02E
Township 27 Range 2E Section 1
Approximately 649 acres
length of north line = 5290 Ft
length of south line = 5292 Ft
length of east line = 5339 Ft
length of west line = 5334 Ft
Spot Footage 1057' N of South line & 5223' W of East line

Spot Southwest corner of NW NW SW SW subdivision of Section
NAD83 Datum
Latitude = 37.7261100 Longitude = -97.1711100
DMS Lat 37° 43' 33.99" Lon -97° 10' 15.99"

Controls

Process Reset

start Shortcut to runLE007 KGS: Legal to Geogra 3:53 PM

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**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: NuStar, Kaneb Pipeline		License Number: 34062
Operator Address: 7340 West 21st North Wichita, Kansas 66205		
Contact Person: Gary Hollis		Phone Number: 316-721-7018
Lease Name & Well No.: NuStar Cathodic Protection #3		Pit Location (QQQQ): NW - NW - SW - SW Sec. <u>1</u> Twp. <u>27</u> R. <u>2</u> ☒ East ☐ West <u>1,057</u> Feet from ☒ ~~South~~ ☒ South Line of Section <u>5,223</u> Feet from ☒ East / ☒ ~~West~~ Line of Section Sedgwick County
Type of Pit: ☐ Emergency Pit ☐ Burn Pit ☐ Settling Pit ☒ Drilling Pit ☐ Workover Pit ☐ Haul-Off Pit (If WP Supply API No. or Year Drilled)	Pit is: ☒ Proposed ☐ Existing If Existing, date constructed: _____ Pit capacity: 60 (bbls)	
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? ☒ Yes ☐ No	How is the pit lined if a plastic liner is not used?
Pit dimensions (all but working pits): <u>10</u> Length (feet) <u>5</u> Width (feet) ☐ N/A: Steel Pits Depth from ground level to deepest point: <u>4</u> (feet) ☐ No Pit		
If the pit is lined give a brief description of the liner material, thickness and installation procedure. Poly liner. After hole is dug liner is laid in and secured.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. Observation RECEIVED NOV 20 2009 KCC WICHITA
Distance to nearest water well within one-mile of pit <u>200</u> feet Depth of water well <u>119</u> feet		Depth to shallowest fresh water <u>25</u> feet. Source of information: ☐ measured ☒ well owner ☐ electric log ☐ 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? ☐ Yes ☐ No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: <u>drilling mud</u> Number of working pits to be utilized: <u>1</u> Abandonment procedure: <u>pump pit clean, backfill hole, and level.</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. <u>11-18-09</u> Date <u>Rosecrantz-Bernie Ent. d/b/a Jensen Dodson - Darling Drilling Co.</u> Signature of Applicant or Agent		

KCC OFFICE USE ONLY		Steel Pit ☐ RFAC ☐ RFAS ☐
Date Received: <u>11/20/09</u> Permit Number: _____	Permit Date: <u>11/20/09</u> Lease Inspection: ☐ Yes ☒ No	

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

15-173-21002-0000