

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- 17
OPERATOR KINDER MORGAN, Inc.
LEASE K-1663
WELL NUMBER 21
FACILITY NAME K-1663 CATHODIC SITE

LOCATION OF WELL: COUNTY Scott
50' feet from south/north line of section
775' feet from east/west line of section
SECTION 16 TWP 16S RG 33W

SPOT: QTR/QTR/QTR/QTR OF ACREAGE
SW - SW - SW - SW

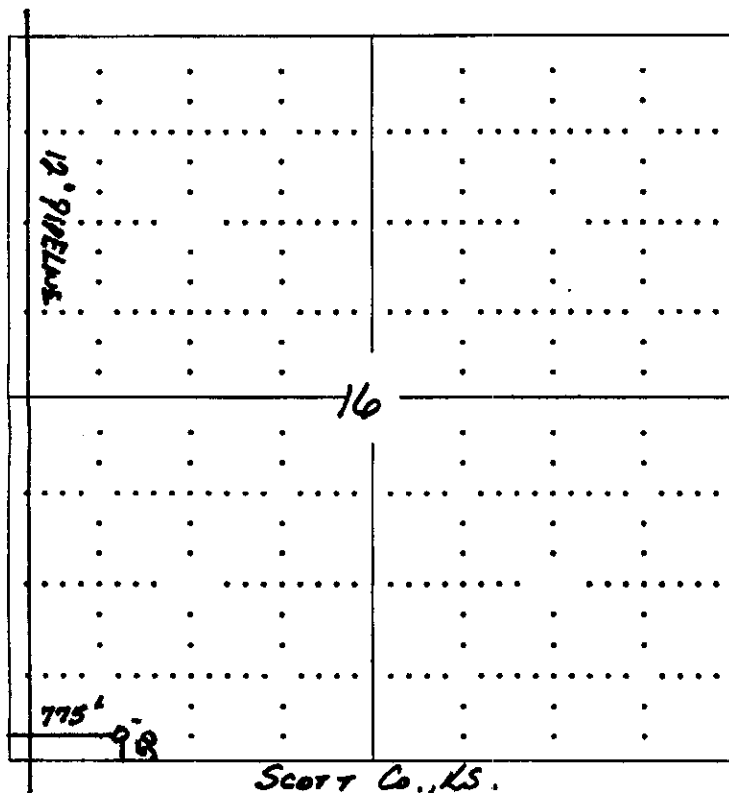
IS SECTION X REGULAR or IRREGULAR
IF SECTION IS IRREGULAR, LOCATE WELL FROM NEAREST
CORNER BOUNDARY.

Section corner used: NE NW SE X SW

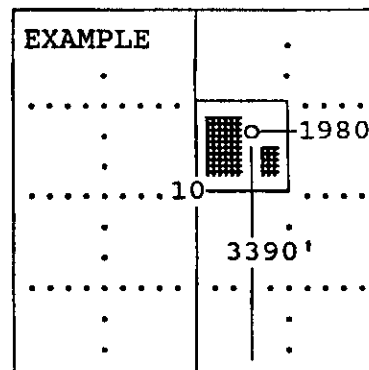
PLAT

(Show location of intended cathodic borehole.)

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



GPS OF DEEPHOLE LOCATION:
N-38° 39.380
W-100° 58.710



SEWARD CO.

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

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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: Kinder Morgan, Inc.		License Number: 32894	
Operator Address: 145 North Country Club Drive - Colby, KS. 67701			
Contact Person: Mark Bredemeier		Phone Number: 785 462-6815 CELL - 785-443-1252	
Lease Name & Well No.: K-1663 Cathodic Site - Well #1		Pit Location (QQQQ): SE SW SW Sec. 16 Twp. 16S R. 33W East <input checked="" type="checkbox"/> West 50 Feet from <input type="checkbox"/> North <input checked="" type="checkbox"/> South Line of Section 775 Feet from <input type="checkbox"/> East <input checked="" type="checkbox"/> West Line of Section SCOTT County	
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 (If WP Supply API No. or Year Drilled)	Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: Pit capacity: 142 (bbls)		
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l (For Emergency Pits and Settling Pits only)	
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Artificial Liner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	How is the pit lined if a plastic liner is not used?	
Pit dimensions (all but working pits): 10 Length (feet) 10 Width (feet) N/A: Steel Pits Depth from ground level to deepest point: 8 (feet)			
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.	
Distance to nearest water well within one-mile of pit In Sec. 21-16S-33W 500 feet Depth of water well 194 feet		Depth to shallowest fresh water 166 feet Source of information: ① _____ 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: Bentonite Mud Number of working pits to be utilized: 1 Abandonment procedure: Let Drilling Pit Dry Out And Cover 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.			
02-13-07 Date		<i>Mark Bredemeier - Conservation Technician</i> Signature of Applicant or Agent	

KCC OFFICE USE ONLY

Date Received: **2/28/07** Permit Number: _____ Permit Date: **2/28/07** Lease Inspection: ☐ Yes ☒ No

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

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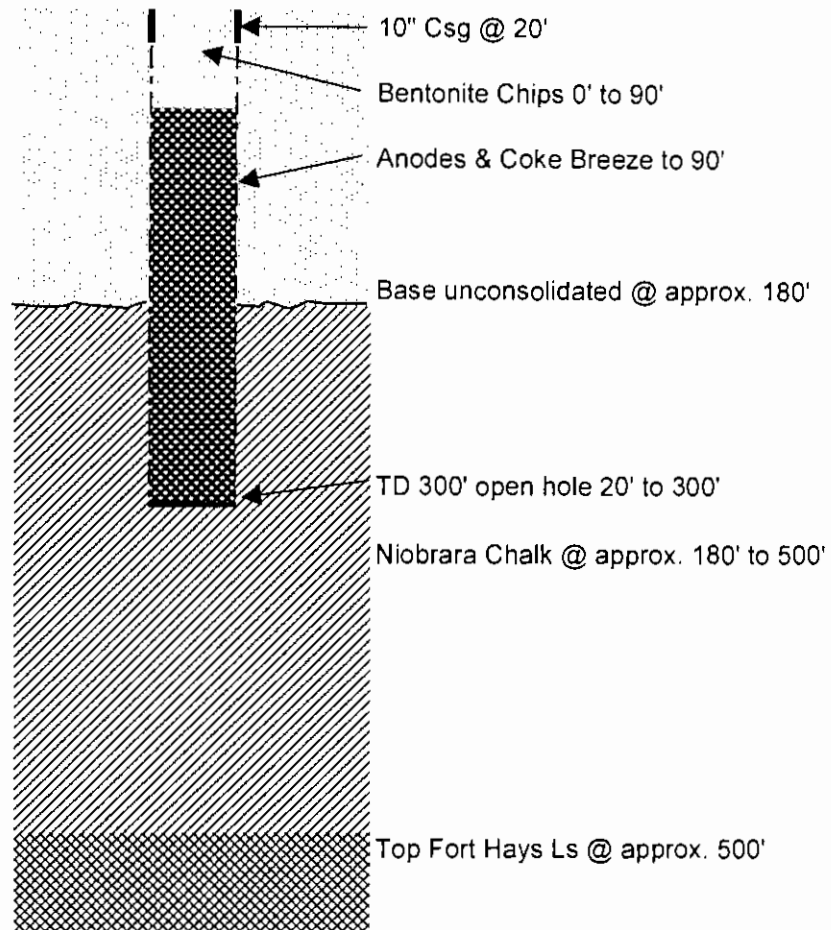
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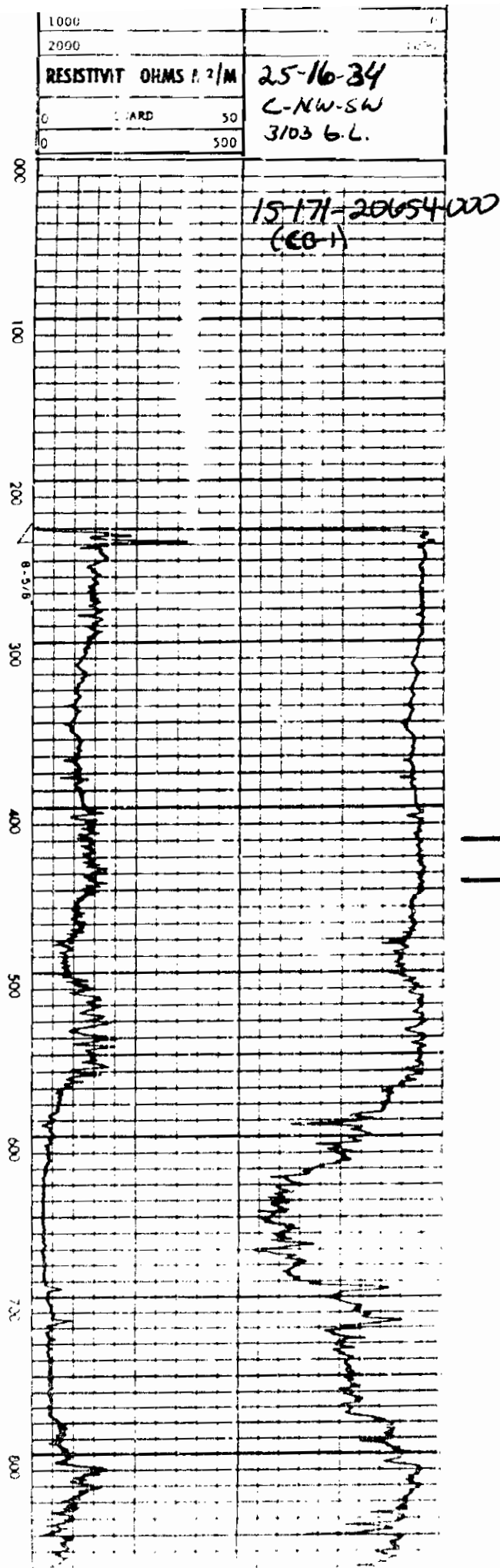
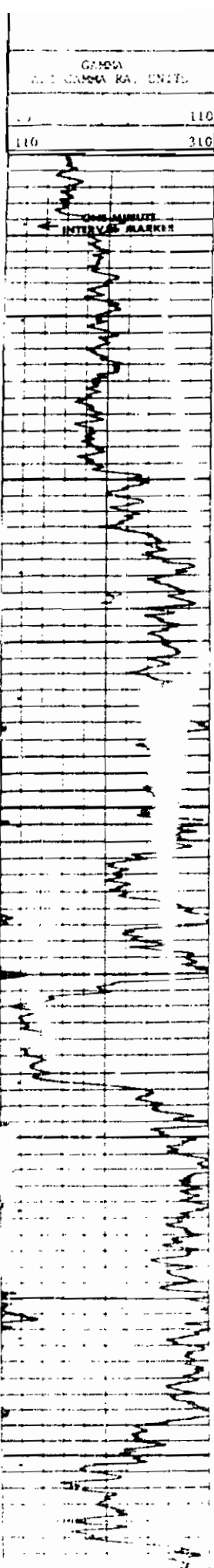
15-171-200654-0000

15-171-20654-0000

16-T16S-R33W
Scott County



Feb 3-20-07



Hydrology

State of Kansas Geographic Information Systems Policy Board, Data Access and Support Center, and the KGS
Please email questions and comments to gis@kgs.ku.edu

WWC5 Well viewer

15-171-20654-0000

Section Township Range Range Direction

Overview Map

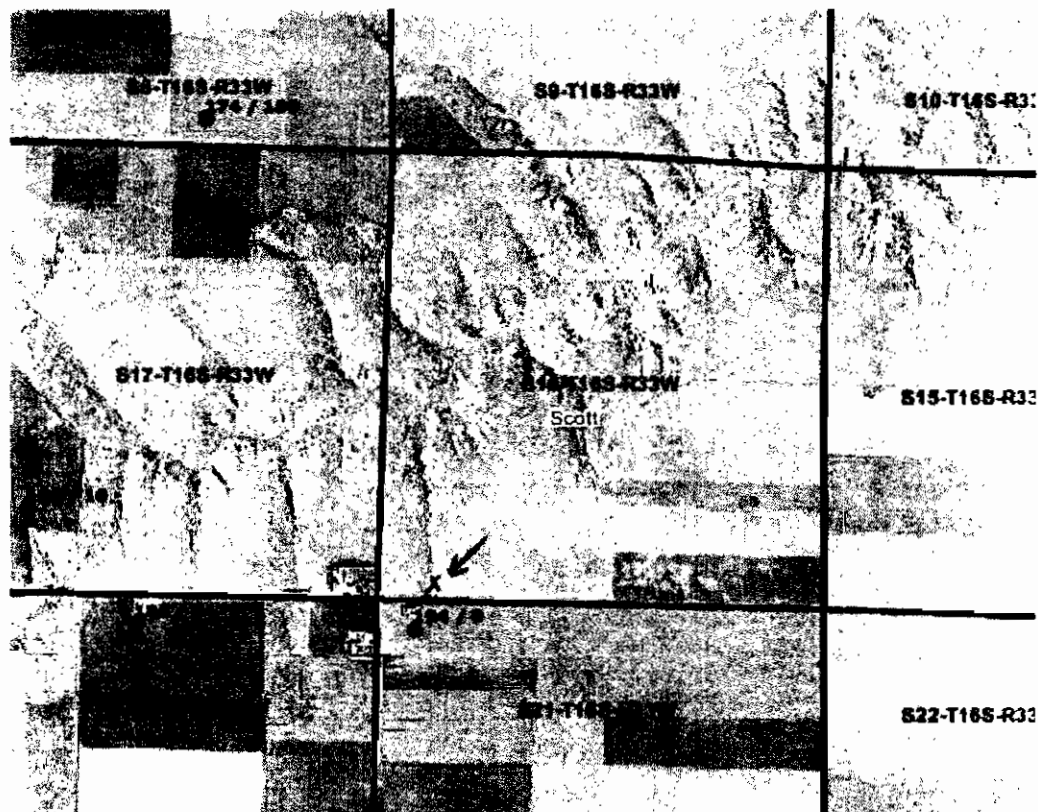
Remove monitoring/engineering wells ☐Color wells based on ☒ Estimated yield ☐ Well Depth ☐ Static water levelChoose Labelling on zoom-in ☐ Owner Name ☒ Well Depth/Estimated yield ☐ Static water levelZoom Level: ☒ Zoom In ☐ Zoom Out ☐ Pan ☐ Identify

Show Entire State



Legend

- ☐ Single well
- ☒ Multiple wells
- Yield (in gpm)
 - ☒ between 0.00 and 5.00
 - ☒ between 5.00 and 10.00
 - ☐ unknown Yield
- Township Boundary
- ☐ PLSS
- ☐ County Boundary



Well T16S, R33W, Sec. 21, NWNWNW, Action: Constructed**Location Info**

County: Scott	Location: T16S, R33W, Sec. 21, NWNWNW
Owner: UNRUH	Status: Constructed
Directions: 11 MI N 2 1/4 E OF SCOTT CITY	
Longitude: -100.97973	Latitude: 38.65522

General Info

Well Depth: 194 ft.	Elevation: ft.
Static Water Level: 166 ft.	Well Use: Domestic
Est. Yield: 0 gpm.	Other ID:

Driller Info

Driller: Everett Miller Gearhead & Pump Repair	License #: 514
Comp. Date: 25-Oct-1989	DWR Applic. #:
Chemical Sample Submitted?: N	

Casing Info

Casing Type: PVC

Diam: 5 in. to 174 ft.

Diam: 0 in. to 0 ft.

Diam: 0 in. to 0 ft.

Grout Info

Grout used: BENTONITE

From: 0 to 20 ft.

From: 0 to 0 ft.

From: 0 to 0 ft.

Contamination Info

Contamination type: OTHER	
Direction:	Distance: 0

Screen and Perforation Info

Screen Type: TORCH CUT	Screen Openings: MILL SLOT
From: 174 ft. to 194 ft.	From: 0 ft. to 0 ft.
From: 0 ft. to 0 ft.	From: 0 ft. to 0 ft.

Lithologic Log

From: 0 ft. to 3 ft.	Type: CLAY
From: 3 ft. to 30 ft.	Type: SANDY CLAY
From: 30 ft. to 48 ft.	Type: CALICHE
From: 48 ft. to 120 ft.	Type: SANDY CLAY
From: 120 ft. to 137 ft.	Type: SAND & GRAVEL
From: 137 ft. to 146 ft.	Type: CLAY
From: 146 ft. to 170 ft.	Type: SANDY CLAY
From: 170 ft. to 181 ft.	Type: SAND & GRAVEL
From: 181 ft. to 191 ft.	Type: CLAY
From: 191 ft. to 195 ft.	Type: SHALE