

**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: <b>Ritchie Exploration, Inc.</b>		License Number: <b>4767</b>
Operator Address: <b>P. O. Box 783188, Wichita, KS 67278-3188</b>		
Contact Person: <b>John Niernberger</b>		Phone Number: ( <b>316</b> ) <b>691 - 9500</b>
Lease Name & Well No.: <b>Bernstorf B #1</b>		Pit Location (QQQQ): <b>C - S/2 - NW - SW</b>
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input checked="" type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <small>(If WP Supply API No. or Year Drilled)</small> <b>15-159-05945</b>	Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: <b>85</b> (bbls)	Sec. <b>23</b> Twp. <b>19</b> R. <b>10</b> <input type="checkbox"/> East <input checked="" type="checkbox"/> West <b>1650</b> Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section <b>660</b> Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section <b>Rice</b> County
Is the pit located in a Sensitive Ground Water Area? <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	How is the pit lined if a plastic liner is not used? <b>Earthen Clays</b>
Pit dimensions (all but working pits): <u>10</u> Length (feet) <u>8</u> Width (feet)    _____ N/A: Steel Pits Depth from ground level to deepest point: <u>6</u> (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.  <b>Daily visual inspection.</b>
Distance to nearest water well within one-mile of pit <u>1667</u> feet    Depth of water well <u>76</u> feet		Depth to shallowest fresh water <u>16</u> feet Source of information: _____ measured    _____ well owner    _____ electric log
<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: <u>Freshwater and cement</u> Number of working pits to be utilized: <u>1</u> Abandonment procedure: <u>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.		
<u>07-06-2009</u> Date		 Signature of Applicant or Agent

**KCC OFFICE USE ONLY**

R= 4840

Date Received: 7/7/09 Permit Number: 15-159-05945-6000 Permit Date: 7/9/09 Lease Inspection:  Yes     No



Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Michael C. Moffet, Commissioner  
Joseph F. Harkins, Commissioner

July 9, 2009

Ritchie Exploration, Inc.  
PO Box 783188  
Wichita, KS 67278-3188

Re: Workover Pit Application  
Bernstorf B Lease Well No. 1  
SW/4 Sec. 23-19S-10W  
Rice County, Kansas

Dear Sir or Madam:

District staff has reviewed the above referenced location and has determined the pit must be lined and fluids removed after completion. A plastic liner with the minimum thickness of 6 mil is to be used. Integrity of the liner must be maintained at all times. The fluids must be removed from the workover pit within 48 hours after the workover operations have ceased.

The fluids should be taken to an authorized disposal well. Please call the District Office at (316) 630-4000 when the fluids have been removed. Please file form CDP-5, Exploration and Production Waste Transfer, within 30 days of fluid removal. Conservation division forms are available through our office and on the KCC web site: [www.kcc.state.ks.us/conservation/forms](http://www.kcc.state.ks.us/conservation/forms)

If you have any questions or concerns please feel free to contact the undersigned at the above address.

Sincerely,

A handwritten signature in black ink that reads "Kathy Haynes". The signature is written in a cursive style.

Kathy Haynes  
Department of Environmental Protection and Remediation

Cc: district