**NOTICE OF INTENT TO DRILL**

Must be approved by KCC five (5) days prior to commencing well

**For KCC Use:**

Effective Date: 8-23-04

**KANSAS CORPORATION COMMISSION**

**OIL & GAS CONSERVATION DIVISION**

**NOTICE OF INTENT TO DRILL**

**October 9, 2004**

**Expected Spud Date**

<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**OPERATOR:**

License#: KLN 4767

Ritchie Exploration, Inc.

P.O. Box 783188

Wichita, KS 67278-3188

Caulk: Craig

Phone: 316-891-9500

**CONTRACTOR:**

License#: KLN 5929

Name: Duke Drilling

---

**Well Details:**

<table>
<thead>
<tr>
<th>Well Drilled For</th>
<th>Well Class</th>
<th>Type Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil</td>
<td>Enr Rec</td>
<td>Mud Rotary</td>
</tr>
<tr>
<td>Gas</td>
<td>Storage</td>
<td>Air Rotary</td>
</tr>
<tr>
<td>Seismic</td>
<td># of Holes</td>
<td>Other</td>
</tr>
</tbody>
</table>

**Spot:**

C E/2 SE

Sec: 18

Twp: 20

S. R.: 11

East

West

---

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KCC WICHITA

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**COUNTY:**

Barton

**LEASE NAME:**

Kowalsky P

**FIELD NAME:**

Chace - Silica

**PRODUCER:**

Lansing / Arbuckle

**IS SECTION:**

Regular

Irregular

(Note: Locate well on the Section Plat on reverse side)

**GND WATER LEVEL:**

660'

**GROUND SURFACE ELEVATION:**

1778 (Estimated)

**FEET MSL:**

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**WATER WELL WITHIN ONE-QUARTER MILE:**

Public water supply well within one mile

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**DEPTH TO BOTTOM OF FRESH WATER:**

1800

**DEPTH TO BOTTOM OF Usable WATER:**

2500

**SURFACE PIPE BY ALTERNATE:**

None

**FORMATION AT TOTAL DEPTH:**

Arbuckle

**PROJECTED TOTAL DEPTH:**

3300'

**FORMATION AT TOTAL DEPTH:**

Arbuckle

**WATER SOURCE FOR DRILLING OPERATIONS:**

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**STATEMENT OF GUARDIAN:**

Yes

No

**DWR PERMIT #:**

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**WILL CORES BE TAKEN:**

Yes

No

(Note: Apply for Permit with DWR)

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**AFFIDAVIT**

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office prior to spudding of well;
2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
3. The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be set through unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within 120 days of spud date.

Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133.891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **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: August 17, 2004

Signature of Operator or Agent: [Signature]

**Title:** GIS Specialist / Geological Technician

**FOR KCC USE ONLY**

API #: 009.24802.00-00

Conductor pipe required: **NONE** feet

Minimum surface pipe required: 250 feet per Acre

Approved by: [Signature]

This authorization expires: 2-18-05

(This authorization void if drilling not started within 6 months of effective date.)

Spud date: [Date]

Agent: [Name]

---

**REMEMBER TO:**

- File Drill Pit Application (form CD-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.

- If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.

[ ] Well Drilled - Permit Expired

Signature of Operator or Agent: [Signature]

Date: [Date]

---

[Signature]

18-20-11
IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

Plat of acreage attributable to a well in a prorated or spaced field

If the intended well is in a prorated or spaced field, please fully complete this side of the form. If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please show all the wells and within 1 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for oil wells.

API No. 15 - ____________________________
Operator: Ritchie Exploration, Inc.
Lease: Kowalsky P
Well Number: 8
Field: Chase - Silica

Number of Acres attributable to well: ____________
QTR / QTR / QTR of acreage: ____________ E/2 SE

Location of Well: County: ____________ Barton
1320 feet from □ N / ☑ S Line of Section
660 feet from ☑ E / □ W Line of Section
Sec. 18 Twp. 20 S. R. 11 ☑ East ☑ West

Is Section: ☑ Regular or □ Irregular

If Section is Irregular, locate well from nearest corner boundary.
Section corner used: □ NE □ NW □ SE □ SW

(Show location of the well and shade attributable acreage for prorated or spaced wells.)
(Show footage to the nearest lease or unit boundary line.)

NOTE: In all cases locate the spot of the proposed drilling location.

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KCC WICHITA

EXAMPLE

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.
3. The distance to the nearest lease or unit boundary line.
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (CO-7 for oil wells:}
August 18, 2004

Mr. Craig Caulk
Ritchie Exploration, Inc.
PO Box 7831688
Wichita, KS 67278-3188

RE: Drilling Pit Application
Kowalsky P Lease Well No. 8
SE/4 Sec. 18-20S-11W
Barton County, Kansas

Dear Mr. Caulk:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed without slots, the bottom shall be flat and reasonably level, and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as practical after drilling operations have ceased. Please call District office if sand is encountered while making pits.

If production casing is set all completion fluids shall be removed on a daily basis.

The fluids should be taken to an authorized disposal well. Please call the District Office at (785) 625-0550 when the fluids have been removed. Also, please file the enclosed CDP-5 form, Surface Pond Waste Transfer, within 30 days of fluid removal.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill. If you have any questions or concerns please feel free to contact the undersigned at the above address.

Sincerely,

Kathy Haynes
Environmental Protection and Remediation Department