Expected Spud Date: 2/26/91

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address: 125 N. Market, Suite 1000
City/State/Zip: Wichita, KS 67202
Contact Person: Jeff Christian
Phone: 316/267-4375

CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.

Well Drilled For: Oil
Well Class: Infield
Type Equipment: Mud Rotary
Gas Storage Pool Ext. Air Rotary
CWS Disposal Wildcat Cable
Seismic # of Holes

If CWS: old well information as follows:
Operator: 
Well Name: 
Comp. Date: 
Old Total Depth

Directional, Deviated or Horizontal wellbore? yes
If yes, total depth location:

WAS: 1650 FSL; 2310 FEL

AFFIDAVIT: IS: 1600 FSL; 2260 FEL

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. The appropriate district office shall be notified before setting surface pipe;
2. The minimum amount of surface pipe as specified above shall be set by circulating cement to the top; in all cases surface pipe shall be set through all unconsolidated materials plus a minimum of 20 feet into the underlying formation;
3. If the well is dry, a plugging proposal shall be submitted to the district office. An agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
4. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
5. If an Alternate II completion, production pipe shall be cemented from below any usable water to surface within 120 days of spud date. 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: 7/22/91
Signature of Operator or Agent: Jeff Christian
Title: Geologist

FOR KCC USE:
API # 15-160-23, JS - 00' 00"
Conductor pipe required
Minimum surface pipe required 200 feet per Alt. #2
Approved by: 
Effective Date: 3-3-91
This authorization expires: 8-26-91
Spud date: 

REMEMBER TO:
- File Drill Pit Application (Form CDP-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.

Mail to: Conservation Division, 200 Colorado Derby Building, 202 W. First St., Wichita, Kansas 67202-1286.
PLAT OF ACREAGE ATTRIBUTABLE TO A WELL

State Corporation Commission, Conservation Division
200 Colorado Derby Bldg. Wichita, Kansas 67202

OPERATOR  Ritchie Exploration, Inc.
LEASE     Chapman
WELL NUMBER 5-X
FIELD  Loclela N

LOCATION OF WELL:
1600 feet north of SE corner
2260 feet west of SE corner
Sec. 22 T 6S R 20 W

COUNTY  Rooks
IS SECTION REGULAR IRREGULAR?
IF IRREGULAR, LOCATE WELL FROM NEAREST CORNER BOUNDARY.

NOTE: If plat depicted is insufficient for your circumstances, you may attach your own scaled or surveyed plat.

PLAT

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 partial sections, 4 sections, 16 sections, etc.;

2) the well's location relative to the location of other wells producing from the same common source of supply in adjoining drilling units, pursuant to K.A.R. 82-3-108, 82-3-207, 82-3-312, or special orders of the Commission;

3) the distance of the proposed drilling location from the section's east and south lines; and

4) the distance to the nearest lease or unit boundary line.

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

Signature of Operator or Agent  Jeff Christian
Date  7/22/91  Title  Geologist