EFFECTIVE DATE: 3/21/90

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

CONTRACTOR: License #: 6033
Name: Murfin Drilling Co.

Well Drilled For: X Oil ... Inj ... Infield X Mud Rotary
Gas ... Storage ... Pool Ext ... Air Rotary
OWAO ... Disposal ... Wildcat ... Cable
Seismic; # of Holes

Well Class: Type Equipment:

Directional, Deviated or Horizontal wellbore? ... yes X no
If yes, total depth location:

* Notice sent to Landowner

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: March 15, 90
Signature of Operator or Agent: Jeff Christian
Title: Geologist

FOR KCC USE:

API # 15 - 065 - 22,560.00 00.09
Conductor pipe required 2800
Minimum surface pipe required 200 feet per Alt.
Approved by: 7/11/90
EFFECTIVE DATE: 3/21/90
This authorization expires: 9/16/90
6 months of effective date.
Spud date: 2/6/90
Agent:

REMEMBER TO:
- File Drill Pit Application (form CDP-1) with intent to Drill;
- File Completion Form ACQ-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.