

Must be approved by the K.C.C. five (5) days prior to commencing well

Expected Spud Date 8/24/89
month day year

100' E of
W/2 NE SW Sec 26 Twp 16 S, Rg 22 X West

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address: 125 N. Market, Suite 1000
City/State/Zip: Wichita, KS 67212
Contact Person:
Phone: 316/267-4375

.....1980..... feet from South line of Section
.....3530..... feet from East line of Section

(Note: Locate well on Section Plat Below)

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

County: Ness
Lease Name: F. Ummel Well #: 3
Field Name: UNKNOWN

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

Is this a Prorated Field? yes X no
Target Formation(s): Cherokee
Nearest lease or unit boundary: 660'
Ground Surface Elevation: 2413' (est.) feet MSL
Domestic well within 330 feet: yes X no
Municipal well within one mile: yes X no
Depth to bottom of fresh water: 100'
Depth to bottom of usable water: 800' 900'
Surface Pipe by Alternate: 1 X 2
Length of Surface Pipe Planned to be set: 260'
Length of Conductor pipe required:
Projected Total Depth: 4450'
Formation at Total Depth: Mississippian
Water Source for Drilling Operations:
... well ... farm pond X other
DWR Permit #:
Will Cores Be Taken?: yes X no
If yes, proposed zone:

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

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

AFFIDAVIT

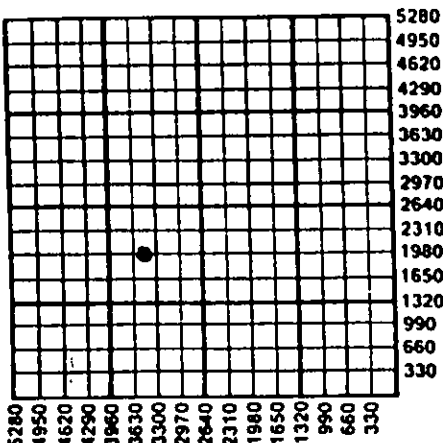
The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq.

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: 8/18/89 Signature of Operator or Agent: Leah Ann Kasten Title: Geologist



OPERATIONAL DISTRICT
 WICHITA, KANSAS
 60618 + 5111
 STATE OF KANSAS
 8-18-89
 8-23-89

FOR KCC USE:

API # 15-135-23370-00-00

Conductor pipe required NONE feet

Minimum surface pipe required 200 feet per Alt. X(2)

Approved by: DPW 8-18-89

EFFECTIVE DATE: 8-23-89

This authorization expires: 2-18-90

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

Spud date: Agent:

210
 16
 22W

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.