

FORM MUST BE TYPED

State of Kansas

15-109-20485-0000

FORM MUST BE SIGNED

EFFECTIVE DATE: 3/24/90

NOTICE OF INTENTION TO DRILL

ALL BLANKS MUST BE FILLED

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

Expected Spud Date 3 month 30 day 90 year

NW NE SE Sec 29 Twp 15 S, Rg 35 East West

OPERATOR: License # 5140 Name: Frontier Oil Company Address: 125 N. Market Ste. 1720 City/State/Zip: Wichita, Kansas 67202 Contact Person: George A. Angle Phone: 316-263-1201

2310 feet from South line of Section 990 feet from East line of Section (Note: Locate well on Section Plat Below)

CONTRACTOR: License #: 5302 Name: Red Tiger Drilling Co.

County: Logan Lease Name: Dirks Well #: 4 Field Name: Dirks - LKC

Well Drilled For: Well Class: Type Equipment:

X Oil Inj X Infield X Mud Rotary Gas Storage Pool Ext Air Rotary OWMO Disposal Wildcat Cable Seismic # of Holes

Is this a Prorated Field? X yes no Target Formation(s): Lansing

If OWMO: old well information as follows:

Operator: Well Name: Comp. Date: Old Total Depth

Nearest lease or unit boundary: 990 Ground Surface Elevation: N/A feet MSL

Directional, Deviated or Horizontal wellbore? yes X no

If yes, total depth location:

Domestic well within 330 feet: yes X no Municipal well within one mile: yes X no

Depth to bottom of fresh water: 180 Depth to bottom of usable water: 1850

Surface Pipe by Alternate: 1 X 2 Length of Surface Pipe Planned to be set: 365

Length of Conductor pipe required: N/A Projected Total Depth: 4700

Formation at Total Depth: Marmaton Water Source for Drilling Operations:

... well X farm pond other DWR Permit #: N/A

Will Cores Be Taken?: yes X no If yes, proposed zone:

* DIRKS - LKC; 40 AC UNIT, 10 A SQ LOC.; SEC 29

AFFIDAVIT

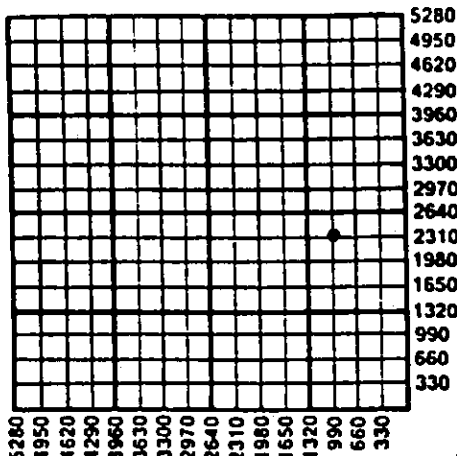
The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq.

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: 3-13-90 Signature of Operator or Agent: [Signature] Title: Rig. Coordinator



03 MAR 14 1990

CONSERVATION DIVISION Wichita, Kansas

FOR KCC USE: API # 15- 109-20,485 Conductor pipe required NONE feet Minimum surface pipe required 200 feet per Alt. X (2) Approved by: [Signature] 3/19/90-0000 EFFECTIVE DATE: 3/24/90 This authorization expires: 9/19/90 (This authorization void if drilling not started within 6 months of effective date.) Spud date: Agent:

29 15 35

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.