

15-051-24631-00-00

FORM MUST BE EFFECTIVE DATE: 12-09-89

State of Kansas

FORM MUST BE SIGNED ALL BLANKS MUST BE FILLED

NOTICE OF INTENTION TO DRILL

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

Expected Spud Date ... 12-9-89 ... month day year

SW NE SW Sec 11 Twp 13 S, Rg 17W East West

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

1650 feet from South line of Section 3630 feet from East line of Section (Note: Locate well on Section Plat Below)

CONTRACTOR: License #: 5302 Name: Red Tiger Drilling Company

County: Ellis Lease Name: Drilling Well #: 1 Field Name: NW-Cross CATHARINE

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

Is this a Prorated Field? yes X no Target Formation(s): ARBUCKLE Nearest lease or unit boundary: 330 Ground Surface Elevation: 2025 GR feet MSL 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: 750 Surface Pipe by Alternate: 1 X 2 Length of Surface Pipe Planned to be set: 200 Length of Conductor pipe required: N/A Projected Total Depth: 3600 Formation at Total Depth: ARB 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:

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

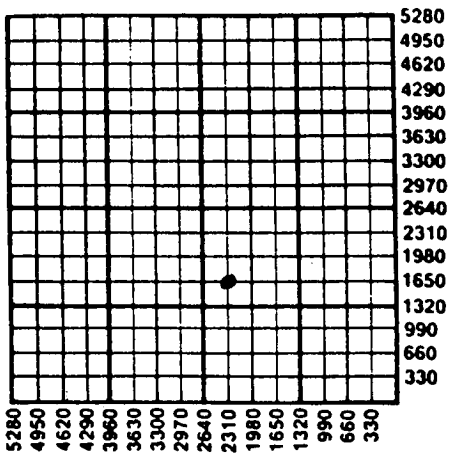
Directional, Deviated or Horizontal wellbore? yes X no If yes, total depth location:

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: 12-1-89 Signature of Operator or Agent: George A. Angle Title: Owner



RECEIVED FOR TRANSMISSION STATE COMMISSION KANSAS DEC 1 - 1989

FOR KCC USE: API # 15-051-24631-00-00 Conductor pipe required NONE feet Minimum surface pipe required 200 feet per Alt. X2 Approved by: DPW 12-04-89 EFFECTIVE DATE: 12-09-89 This authorization expires: 6-04-90 (This authorization void if drilling not started within 6 months of effective date.) Spud date: Agent:

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.