

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

Expected Spud Date 2 21 91 ..SW...SW..NE Sec 15. Twp 5... S, Rg 18W X East X West ✓
month day year

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

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

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

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

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

2970 feet from South line of Section ✓
2310 feet from East line of Section ✓
(Note: Locate well on Section Plat on Reverse Side)
County: Phillips ✓
Lease Name: Shaw Well #: 1 ✓
Field Name: UNNAMED ✓
Is this a Prorated Field? yes no ✓
Target Formation(s): ARB ✓
Nearest lease or unit boundary: 330 ✓
Ground Surface Elevation: N/A feet MSL ✓
Domestic well within 330 feet: yes no ✓
Municipal well within one mile: yes no ✓
Depth to bottom of fresh water: 1450 ✓
Depth to bottom of usable water: 1450 ✓
Surface Pipe by Alternate: 1 2 ✓
Length of Surface Pipe Planned to be set: 200 ✓
Length of Conductor pipe required: N/A ✓
Projected Total Depth: 3500 ✓
Formation at Total Depth: ARB ✓
Water Source for Drilling Operations:
... well farm pond other ✓
DWR Permit #: N/A ✓
Will Cores Be Taken?: yes no ✓
If yes, proposed zone:

AFFIDAVIT * Alt 2 Completion

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: 2-12-91 Signature of Operator or Agent: Dana Brennan Rig Coordinator...

FOR KCC USE:
API # 15- 147-20,530-00-00
Conductor pipe required N/A feet
Minimum surface pipe required 200 feet per Alt. (2)
Approved by: MPD 2-12-91
EFFECTIVE DATE: 2-17-91
This authorization expires: 8-12-91
(This authorization void if drilling not started within 6 months of effective date.)
Spud date: _____ Agent: _____



CONSERVATION DIVISION
Wichita, Kansas
FEB 12 1991
15
5
18W

REMEMBER TO:

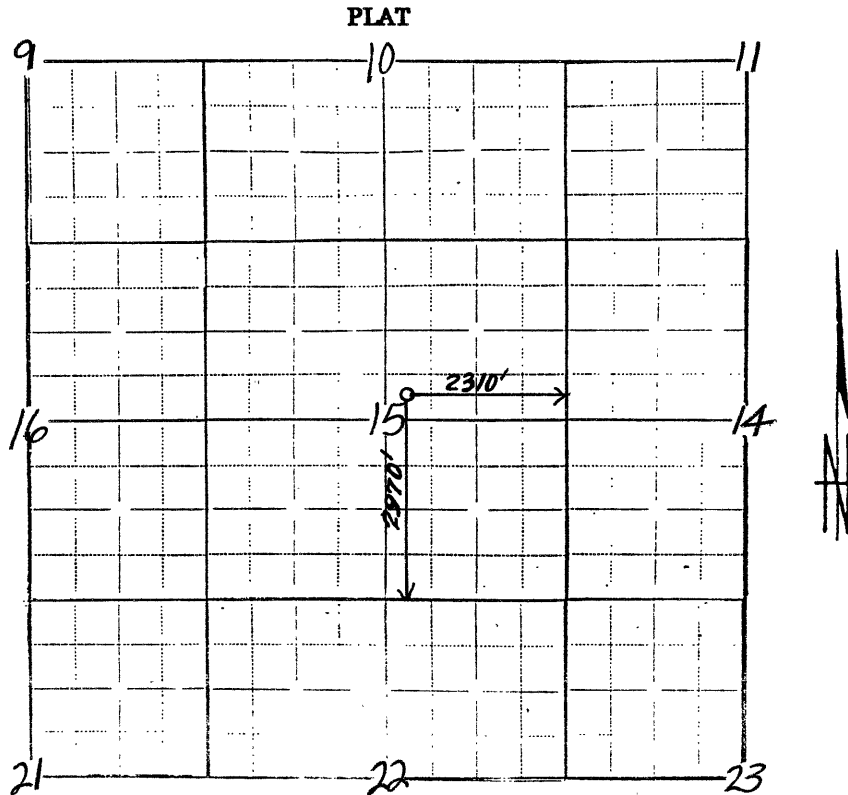
- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.

PLAT OF ACREAGE ATTRIBUTABLE TO A WELL

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

OPERATOR Frontier Oil Company LOCATION OF WELL:
 LEASE Shaw 2970 feet north of SE corner
 WELL NUMBER #1 2310 feet west of SE corner
 FIELD _____ Sec. 15 T 5S R 18W E/W
 COUNTY Phillips
 NO. OF ACRES ATTRIBUTABLE TO WELL 10 IS SECTION REGULAR IRREGULAR?
 DESCRIPTION OF ACREAGE SW SW NE 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.



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, 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

D. Anne Durman

Date 2-12-91

Title Big Coordinator