

FOR KCC USE:

FORM C-1 7/91

FORM MUST BE TYPED

FORM MUST BE SIGNED

ALL BLANKS MUST BE FILLED

EFFECTIVE DATE: 12-6-99

State of Kansas

DISTRICT # 1

NOTICE OF INTENTION TO DRILL

SGA? Yes X No

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

Expected Spud Date DECEMBER 6, 1999
month day year

Spot NE - NE - SW Sec 34 Twp 18 S, Rg 29 East X West

OPERATOR: License # 3842
Name: LARSON OPERATING CO, A DIV OF LARSON ENG INC
Address: 562 WEST HIGHWAY 4
City/State/Zip: OLMITZ, KS 67564-8561
Contact Person: TOM LARSON
Phone: (316) 653-7368

2310 feet from SOUTH line of Section
2310 feet from WEST line of Section
IS SECTION X REGULAR IRREGULAR?
(NOTE: Locate well on the Section Plat on Reverse Side)

CONTRACTOR: License #: 5184
Name: SHIELDS OIL PRODUCERS, INC.

County: LANE
Lease Name: MCWHIRTER "A" Well #: 2
Field Name: MCWHIRTER NORTH
Is this a Prorated/Spaced Field? yes X no

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

Target Formation(s): L-KC
Nearest Lease or unit boundary: 330'
Ground Surface Elevation: 2827' feet MSL
Water well within one-quarter mile: yes no
Public water supply well within one mile: yes no

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

Depth to bottom of fresh water: 180
Depth to bottom of usable water: 1300
Surface Pipe by Alternate: 1 X 2
Length of Surface Pipe Planned to be set: 200'
Length of Conductor pipe required:

Directional, Deviated or Horizontal wellbore? yes X no
If yes, true vertical depth:
Bottom Hole Location

Projected Total Depth: 4650'
Formation at Total Depth: L-KC
Water Source for Drilling Operations: well farm pond X other

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

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. Notify the appropriate district office prior to spudding of well;
2. A copy of the approved Notice of Intent to Drill shall be posted on each drilling rig;
3. The minimum amount of surface pipe as specified below 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;
4. If the well is a dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. IF AN ALTERNATE II COMPLETION, PRODUCTION PIPE SHALL BE CEMENTED FROM BELOW ANY USABLE WATER TO SURFACE WITH 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: 11/30/99 Signature of Operator or Agent: Carol Larson Title: SECRETARY/TREASURER

FOR KCC USE:
API # 15- 101-21774 0000
Conductor pipe required NONE feet
Minimum surface pipe required 200 feet per Alt. X (2)
Approved by: JK 12-1-99
This authorization expires: 6-1-2000
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.

Mail to: Conservation Division 130 South Market, Room 2078, Wichita, Kansas 67202-3802.

34 18 2710
RECEIVED
KANSAS CORP COMM
1999 DEC -1 A 11:40
12-1-99

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

PLAT OF ACREAGE ATTRIBUTABLE TO A WELL IN A PRORATED OR SPACED FIELD

If the intended well is in a prorated or spaced field, please fully complete this side of the form. If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please show all the wells within 1 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for oil wells.

API NO. 15- _____
 OPERATOR LARSON OPERATING COMPANY
 LEASE MCWHIRTER "A"
 WELL NUMBER 2
 FIELD MCWHIRTER NORTH

LOCATION OF WELL: COUNTY _____ LANE _____
2310 feet from South line of section
2310 feet from West line of section
 SECTION 34 TWP 18 RNG 29 West

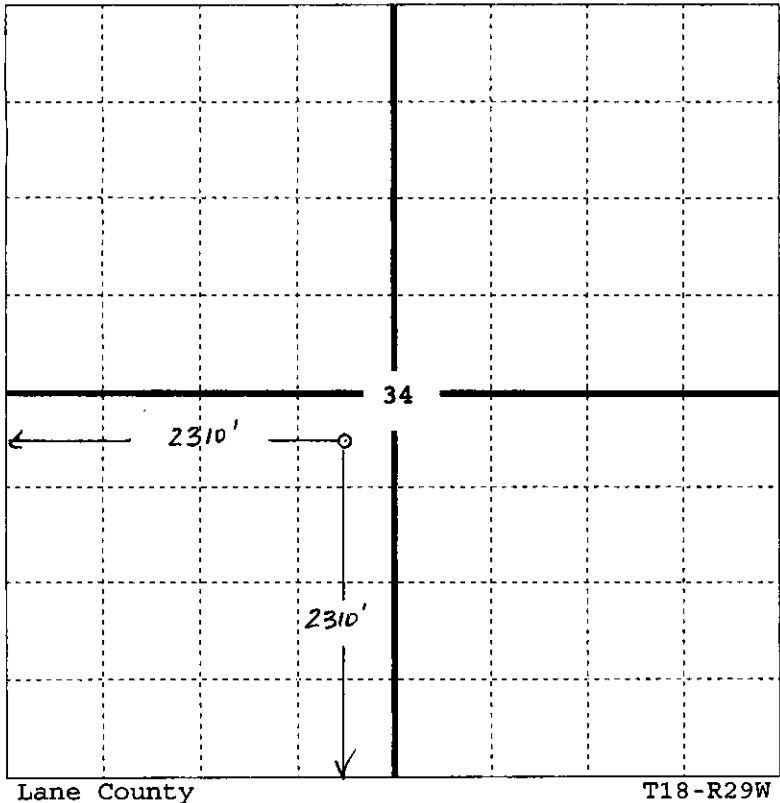
NUMBER OF ACRES ATTRIBUTABLE TO WELL _____
 QTR/QTR/QTR OF ACREAGE _____

IS SECTION X REGULAR or _____ IRREGULAR
IF SECTION IS IRREGULAR, LOCATE WELL FROM NEAREST CORNER BOUNDARY.

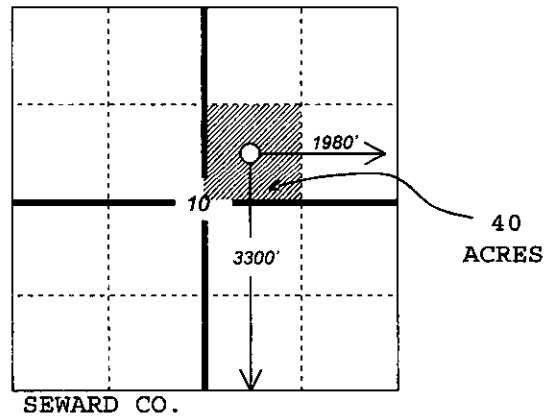
Section corner used: _____ NE _____ NW _____ SE _____ SW

PLAT

(Show location of the well and shade attributable acreage for prorated or spaced wells.)
 (Show footage to the nearest lease or unit boundary line.)



EXAMPLE



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, 1 section with 8 surrounding sections, 4 sections, etc.;
- 2) the distance of the proposed drilling location from the section's south/north and east/west lines; and
- 3) the distance to the nearest lease or unit boundary line.