

EFFECTIVE DATE: 12-25-90

\*CORRECTION

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

Expected Spud Date December 26, 1990  
 month day year

\* 110' N of East  
 C N1/2 NE Sec 6 Twp 30 S Rg 12 X West

OPERATOR: License # 5056  
 Name: F. G. HOLL COMPANY  
 Address: P.O. Box 780167  
 City/State/Zip: Wichita, KS 67278-0167  
 Contact Person: Elwyn H. Nagel  
 Phone: (316) 684-8481

\* 4730 feet from South line of Section  
 1320 feet from East line of Section  
 (Note: Locate well on Section Plat on Reverse Side)

CONTRACTOR: License #: 5142  
 Name: Sterling Drilling Company

County: Barber  
 Lease Name: THORNE Well #: 1-6  
 Field Name: Hirt South  
 Is this a Prorated Field? yes X no  
 Target Formation(s): Indian Cave, Cong. Miss. Viol

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

\* Nearest lease or unit boundary: 660'  
 \* Ground Surface Elevation: 1876' feet MSL  
 Domestic well within 330 feet: yes X no  
 Municipal well within one mile: yes X no  
 Depth to bottom of fresh water: 200'  
 Depth to bottom of usable water: 240'  
 Surface Pipe by Alternate: X 1 ... 2  
 \* Length of Surface Pipe Planned to be set: 270'  
 Length of Conductor pipe required: N/A  
 Projected Total Depth: 4750'  
 Formation at Total Depth: Arbuckle  
 Water Source for Drilling Operations:  
X well ... farm pond ... other

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

DWR Permit #: (Applied for by Sterling Drilling)  
 Will Cores Be Taken?: yes X no  
 If yes, proposed zone: \_\_\_\_\_

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

WAS: C N1/2 NE 4620 FSL; Elev = 1869; surface pipe = 300'

15: 110' N of C N1/2 NE; 4730 FSL; Elev = 1876; surface pipe = 270'

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: 5/17/91 Signature of Operator or Agent: Brent B. Reinhardt Title: Geologist  
 Brent B. Reinhardt

FOR KCC USE:

API # 15-007-22,351-00-00  
 Conductor pipe required None feet  
 Minimum surface pipe required 260 feet per Alt. (1)  
 Approved by: MWS-21-91, sig 12-20-90  
 EFFECTIVE DATE: 12-25-90  
 This authorization expires: 6-20-91  
 (This authorization void if drilling not started within 6 months of effective date.)  
 Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

RECEIVED  
 STATE REGISTRATION COMMISSION  
 MAY 9 0 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas

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.

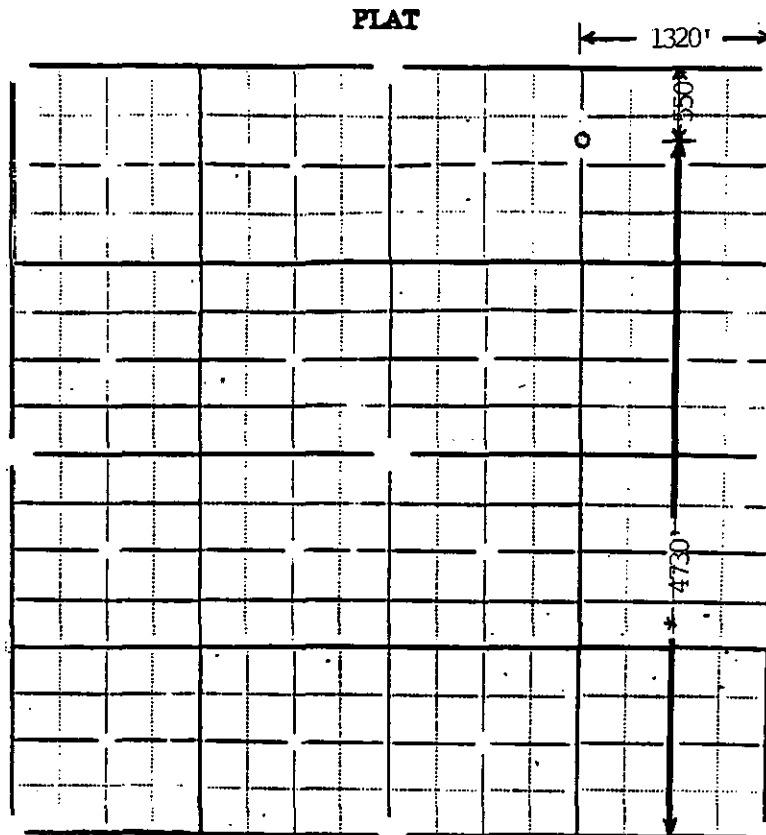
6  
 30  
 12M

**PLAT OF ACREAGE ATTRIBUTABLE TO A WELL**

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

|                                   |                           |   |
|-----------------------------------|---------------------------|---|
| OPERATOR                          | <u>F. G. HOLL COMPANY</u> | LOCATION OF WELL:                                       |
| LEASE                             | <u>THORNE</u>             | * <u>4730'</u> feet north of SE corner                  |
| WELL NUMBER                       | <u>#1-6</u>               | <u>1320</u> feet west of SE corner                      |
| FIELD                             | <u>Hirt South</u>         | Sec. <u>6</u> T <u>30s</u> R <u>12w</u> <del>X</del> W  |
|                                   |                           | COUNTY <u>Barber</u>                                    |
| NO. OF ACRES ATTRIBUTABLE TO WELL | <u>N/A</u>                | IS SECTION <u>X</u> REGULAR <u>IRREGULAR?</u>           |
| DESCRIPTION OF ACREAGE            | <u>N/A</u>                | 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, 1 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 Brent B. Reinhardt  
Brent B. Reinhardt  
\* Date 5/17/91 Title Geologist