

EFFECTIVE DATE: 12-18-90

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

Expected Spud Date ... 1 / 21 / 91 ...  
month day year

SE NE SW Sec 33 Twp 9 S, Rg 25 East  
West

OPERATOR: License # 5184  
Name: Shields Oil Producers, Inc.  
Address: Shields Bldg.  
City/State/Zip: Russell, KS 67665  
Contact Person: M. L. Ratts  
Phone: 913-483-3141

1650 feet from South line of Section  
2970 feet from East line of Section  
(Note: Locate well on Section Plat on Reverse Side)

CONTRACTOR: License #: 5655  
Name: Shields Drilling Co., Inc.

County: Graham  
Lease Name: Pfeifer Well #: 1  
Field Name: Bollig

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

Is this a Prorated Field? ... yes  no  
Target formation(s): Kansas City  
Nearest lease or unit boundary: 330  
Ground Surface Elevation: 2552 feet MSL  
Domestic well within 330 feet: ... yes  no  
Municipal 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: 75  
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: None  
Projected Total Depth: 4050  
Formation at Total Depth: Kansas City

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

Water Source for Drilling Operations:  
... well  farm pond ... other  
DWR Permit #: \_\_\_\_\_  
Will Cores Be Taken? ... yes  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. 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: 12-12-90 Signature of Operator or Agent: M.L. Ratts Title: Prod. Mgr.

FOR KCC USE:  
API # 15- 065-22,614-00-00  
Conductor pipe required None feet  
Minimum surface pipe required 200 feet per Alt. 02  
Approved by: MRLW 12-13-90  
EFFECTIVE DATE: 12-18-90  
This authorization expires: 6-13-91  
(This authorization void if drilling not started within 6 months of effective date.)  
Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

RECEIVED  
STATE CORPORATION COMMISSION  
DEC 13 1990  
12-13-1990  
CONSERVATION DIVISION  
Wichita, Kansas  
33  
9  
25 W

- 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.

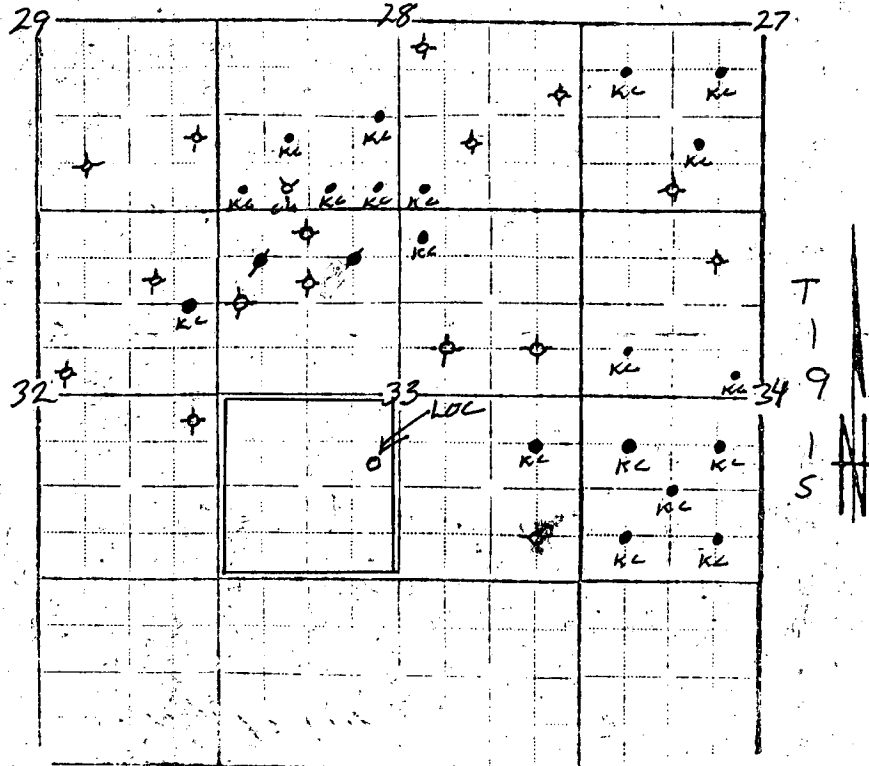
PLAT OF ACREAGE ATTRIBUTABLE TO A WELL

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

OPERATOR Shields Oil Producers, Inc. LOCATION OF WELL:  
LEASE Pfeifer - 1650 feet north of SE corner  
WELL NUMBER 1 2970 feet west of SE corner  
FIELD Bollog SW/4 Sec. 33 T 9 R 25 E/W  
COUNTY Graham  
NO. OF ACRES ATTRIBUTABLE TO WELL 10 IS SECTION X REGULAR IRREGULAR?  
IF IRREGULAR, LOCATE WELL FROM NEAREST CORNER BOUNDARY.  
DESCRIPTION OF ACREAGE SW/4

NOTE: If plat depicted is insufficient for your circumstances, you may attach your own scaled or surveyed plat.

R-25-W  
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, 10 sections, 16 sections, etc.;
- 2) the well's location relative to the location of other wells producing from the same common source or supply in adjoining drilling units pursuant to C.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 land boundary line.

I hereby certify that the statements made hereon are true and to the best of my knowledge and belief.

Signature of Operator or Agent M. Ratto  
Date 12-12-90 Title Production Mgr