

FOR KCC USE:

FORM C-1 7/91

FORM MUST BE TYPED

FORM MUST BE SIGNED

ALL BLANKS MUST BE FILLED

EFFECTIVE DATE: 11-22-97

State of Kansas

DISTRICT # 1

NOTICE OF INTENTION TO DRILL

SGA7... Yes, X No

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

Expected Spud Date Dec. 15, 1997
month day year

Spot NW NW SE Sec 16 Twp 35 S, Rg 15 East
West

OPERATOR: License # 32210
Name: Harry S. Spring
Address: P.O. Box 1788
City/State/Zip: Ardmore, OK 73402
Contact Person: Harry A. Spring
Phone: 405/226-3800

1320 feet from South / North line of Section
2390 feet from East / West line of Section
IS SECTION REGULAR XXX IRREGULAR?

(NOTE: Locate well on the Section Plat on Reverse Side)
County: Barber
Lease Name: Z-Bar Ranch Well #: 1-16
Field Name: SW Aetna Gas Area
Is this a Prorated/Spaced Field? yes no
Target Formation(s): Mississippi Oswego
Nearest lease or unit boundary: 1010' South
Ground Surface Elevation: 1650 feet MSL
Water well within one-quarter mile: XX yes no
Public water supply well within one mile: XX yes no
Depth to bottom of fresh water: 150'
Depth to bottom of usable water: 150' 180'
Surface Pipe by Alternate: X 1 2
Length of Surface Pipe Planned to be set: 1100'
Length of Conductor pipe required: None
Projected Total Depth: 5250'
Formation at Total Depth: Mississippi
Water Source for Drilling Operations:
... well XX farm pond no other

CONTRACTOR: License # 5148 5418
Name: Allen Drilling Corporation

Well Drilled For: Well Class: Type Equipment:
... Oil ... Enh Rec ... Infield X Mud Rotary
... X Gas ... Storage X Pool Ext. ... Air Rotary
... OWWO ... Disposal ... Wildcat ... Cable
... Seismic; ... # of Holes ... Other
... Other
If OWWO: old well information as follows:
Operator:
Well Name:
Comp. Date: Old Total Depth

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

Will Cores Be Taken? yes XX no
If yes, proposed zone:

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 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 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: 10-29-97 Signature of Operator or Agent: Harry A. Spring Title: Owner/Operator

FOR KCC USE:
API # 15- 007-225540000
Conductor pipe required NONE feet
Minimum surface pipe required 200 feet per Alt. (1) X
Approved by: JK 11-17-97
This authorization expires: 5-17-98
(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 prororation 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: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202.

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 _____
 LEASE _____
 WELL NUMBER _____
 FIELD _____

LOCATION OF WELL: COUNTY _____
 _____ feet from south/north line of section
 _____ feet from east/west line of section
 SECTION _____ TWP _____ RG _____

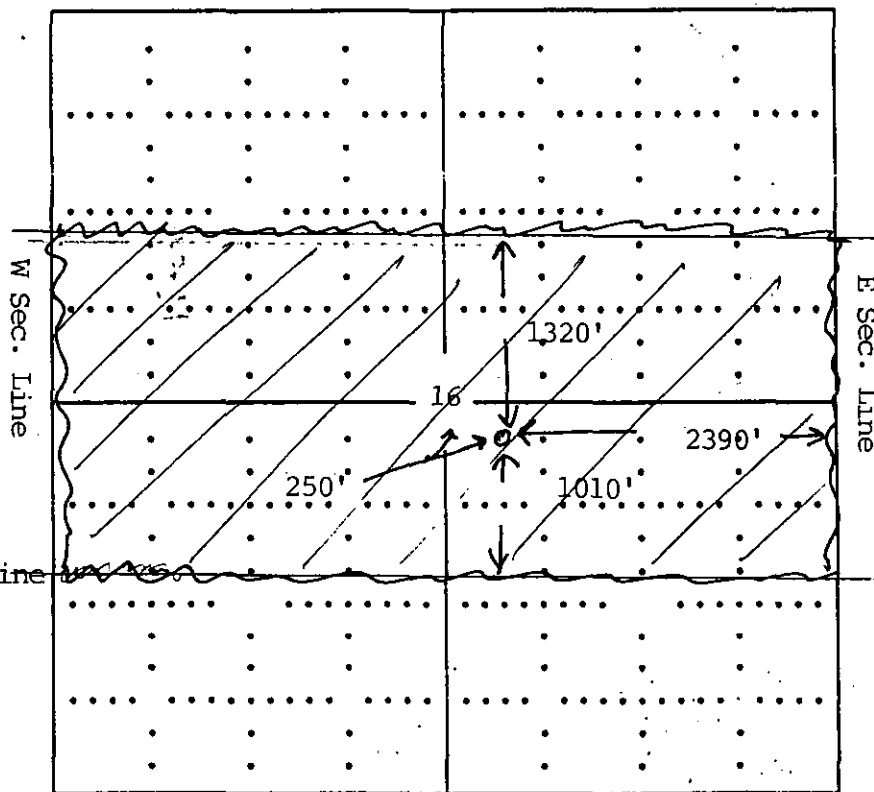
NUMBER OF ACRES ATTRIBUTABLE TO WELL _____
 QTR/QTR/QTR OF ACREAGE _____

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

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

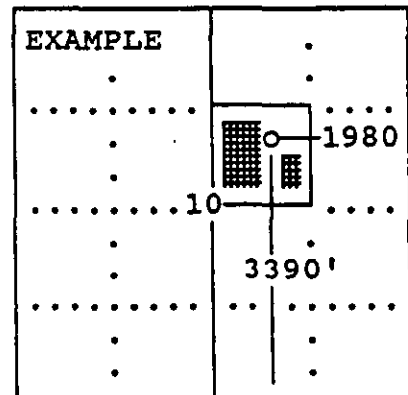
PLAT

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



Section 16 has 278.53 Ac.

N Sec. Line



SEWARD CO.

Barnes Co.

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; and
- 3) the distance to the nearest lease or unit boundary line.

TOPOGRAPHIC LAND SURVEYORS OF OKLA. CO.

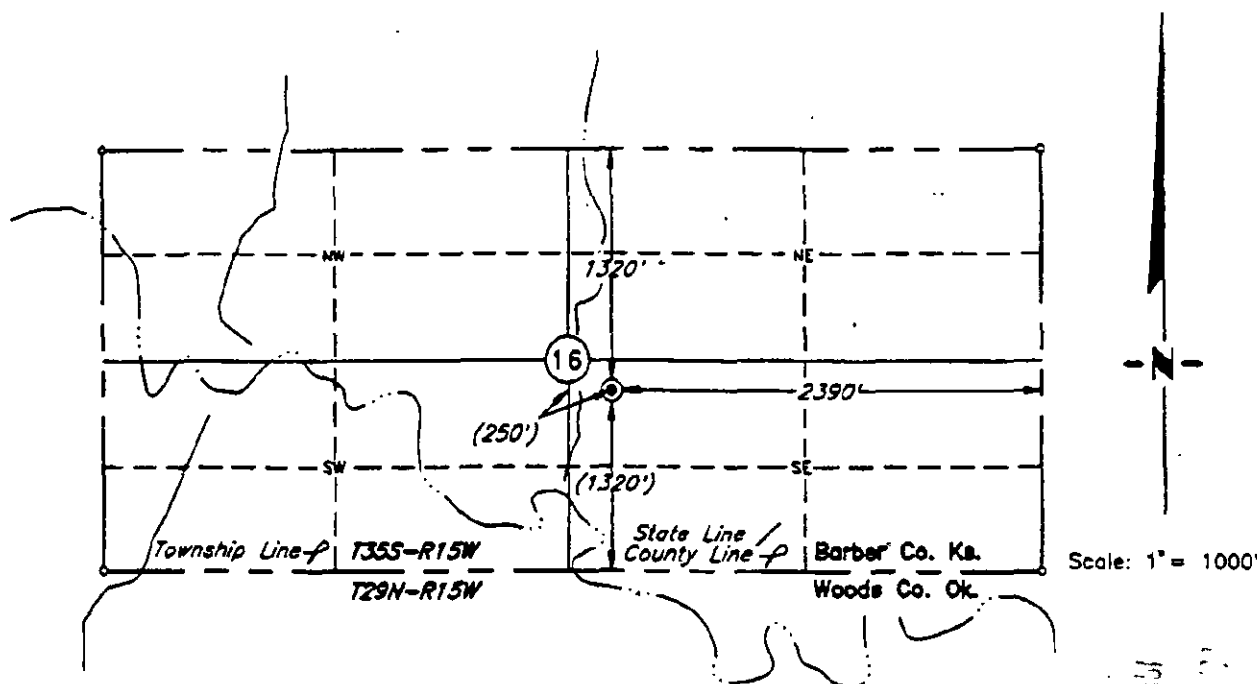
Surveying and Mapping for the Energy Industry

6709 NORTH CLASSEN BLVD. • OKLAHOMA CITY, OKLA. 73118
TELEPHONES: LOCAL (405) 843-4847 • OUT OF STATE (800) 854-3219

BARBER

County, Kansas

2390' FEL - 1320' FNL Section 16 Township 35S Range 15W I.M.



This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed.
Review this plot and notify us immediately of any possible discrepancy.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have not been measured.

Operator: Harry A. SpringLease Name: Z-BarWell No.: 1-16

ELEVATION:

1650' Gr. at stakeTopography & Vegetation Loc. fell in level pasture.Good Drill Site? YesReference Stakes or Alternate Location
Stakes Set NoneBest Accessibility to Location From East

Distance & Direction

from Hwy Jct or Town From Jct. of U.S. Hwy. 64 E-W & Ok. St. Hwy 50 S, go East on U.S.Hwy. 64 ± 4.0 mi., then go North ± 7.5 mi., then go East 1.0 mi., then go North 6.5 mi., then goN-NE ± 3.0 mi. to the NW cor. of Sec. 9; 1.0 mi. North of NW cor. of Sec. 16-T35S-R15W

The following information was gathered using a GPS receiver
Accuracy ± 2-3 Meters.

GPS

DATUM: NAD-27LAT: 37°00'06.8" NLONG: 98°57'15.7" WSTATE PLANE
COORDINATES:

ZONE: _____

X: _____

Invoice # 54816 Date Staked: October 23, 1997

RAH

CERTIFICATE:

I, T. Wayne Fisch a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Kansas Reg. No. 1213