

For KCC Use:
 Effective Date: 12-18-05
 District #: 4
 SGA? Yes No

**KANSAS CORPORATION COMMISSION
 OIL & GAS CONSERVATION DIVISION
 NOTICE OF INTENT TO DRILL**

Form C-1
 December 2002
 Form must be Typed
 Form must be Signed
 All blanks must be Filled

Must be approved by KCC five (5) days prior to commencing well

Expected Spud Date 1 11 06
 month day year

Spot Ap 146'N 316'W of
 NE - NW Sec. 5 Twp. 5 S. R. 40 East West
514 feet from N / S Line of Section
1964 feet from E / W Line of Section
 Is SECTION Regular Irregular?

OPERATOR: License# 33325
 Name: Petroleum Development Corporation
 Address: 103 East Main Street
Bridgeport, WV 26330
 City/State/Zip:
 Contact Person: Gary W. Fridley
 Phone: (304) 842-6256
 CONTRACTOR: License# 33532
 Name: Advanced Drilling Technologies LLC

(Note: Locate well on the Section Plat on reverse side)
 County: Cheyenne
 Lease Name: Mayfield Well #: 21-5
 Field Name: Cherry Creek
 Is this a Prorated / Spaced Field? Yes No
 Target Formation(s): Niobrara
 Nearest Lease or unit boundary: 514'
 Ground Surface Elevation: 3568 feet MSL
 Water well within one-quarter mile: Yes No
 Public water supply well within one mile: Yes No
 Depth to bottom of fresh water: 250' 275'
 Depth to bottom of usable water: 250' 275'
 Surface Pipe by Alternate: 1 2
 Length of Surface Pipe Planned to be set: 350'
 Length of Conductor Pipe required: not required
 Projected Total Depth: 2000'
 Formation at Total Depth: Niobrara
 Water Source for Drilling Operations:
 Well Farm Pond Other X
 DWR Permit #: _____

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

If OWWO: old well information as follows:
 Operator: _____
 Well Name: _____
 Original Completion Date: _____ Original Total Depth: _____

Directional, Deviated or Horizontal wellbore? Yes No
 If Yes, true vertical depth: _____
 Bottom Hole Location: _____
 KCC DKT #: _____

(Note: Apply for Permit with DWR)
 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 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.
 Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **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: December 12, 2005 Signature of Operator or Agent: Gary W. Fridley Title: Landman

For KCC Use ONLY
 API # 15 - 023-20645-00-00
 Conductor pipe required NONE feet
 Minimum surface pipe required 325 feet per Alt. 1 &
 Approved by: RJP 12.13.05
 This authorization expires: 6.13.06
 (This authorization void if drilling not started within 6 months of approval 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.
 - If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.
 Well Not Drilled - Permit Expired
 Signature of Operator or Agent: _____
 Date: _____

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 and 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: Petroleum Development Corporation
 Lease: Mayfield
 Well Number: 21-5
 Field: Cherry Creek

Number of Acres attributable to well: 10
 QTR / QTR / QTR of acreage: NW - NE - NW

Location of Well: County: Cheyenne
 _____ 514 feet from N / S Line of Section
 _____ 1964 feet from E / W Line of Section
 Sec. 5 Twp. 5 S. R. 40 East West

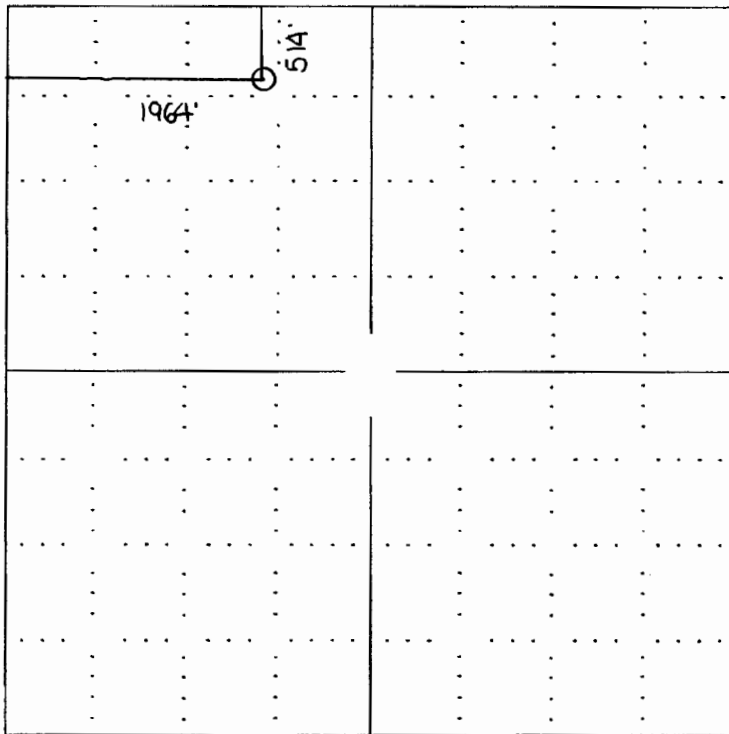
Is Section: Regular or Irregular

If Section is Irregular, locate well from nearest corner boundary.

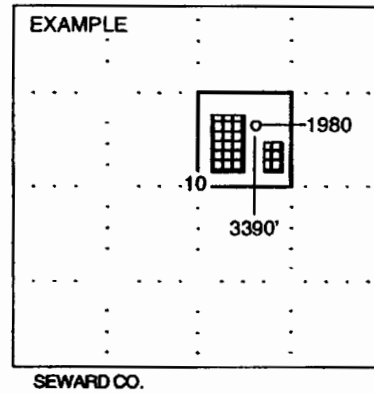
Section corner used: NE NW SE SW

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.)*



KANSAS OIL & GAS COMMISSION
 DEC 13 2015
 CONSTRUCTION DIVISION
 W-11-11-10



NOTE: In all cases locate the spot of the proposed drilling location.

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.
3. The distance to the nearest lease or unit boundary line.
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (CO-7 for oil wells; CG-8 for gas wells).