

For KCC Use: 9-17-06  
Effective Date: 9-17-06  
District # 4  
SGA?  Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

NOTICE OF INTENT TO DRILL

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

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

Expected Spud Date 12/22/06  
month day year

OPERATOR: License# 33325  
Name: Petroleum Development Corporation  
Address: 103 E. Main Street, PO Box 26  
City/State/Zip: Bridgeport, WV 26330  
Contact Person: James Annable  
Phone: 303-905-4340

CONTRACTOR: License# 8273 or 33532  
Name: Excell Services, Inc. or Advanced Drilling Technologies

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

If OWWO: old well information as follows:  
Operator: NA  
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 #: \_\_\_\_\_

Spot NE SE NE Sec. 18 Twp. 2 S. R. 41  East  West  
1920 feet from  N /  S Line of Section  
650 feet from  E /  W Line of Section  
Is SECTION  Regular  Irregular?

(Note: Locate well on the Section Plat on reverse side)

County: Cheyenne  
Lease Name: Gemaehlich Well #: 42-18  
Field Name: Cherry Creek Niobrara Gas Area

Is this a Prorated / Spaced Field?  Yes  No  
Target Formation(s): Niobrara  
Nearest Lease or unit boundary: 650'  
Ground Surface Elevation: 3601' 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: 225'  
Depth to bottom of usable water: 225'  
Surface Pipe by Alternate:  1  2  
Length of Surface Pipe Planned to be set: 275'  
Length of Conductor Pipe required: N/A  
Projected Total Depth: 1660'  
Formation at Total Depth: Niobrara  
Water Source for Drilling Operations:  Well  Farm Pond  Other  
DWR Permit #: Drilling Contractor will apply.  
(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:

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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: 9/18/06 Signature of Operator or Agent: [Signature] Title: Sr. Regulatory Consultant

For KCC Use ONLY  
API # 15 - 023-20716-0000  
Conductor pipe required None feet  
Minimum surface pipe required 275 feet per Alt. 1  
Approved by: RH 9-12-06  
This authorization expires: 3-12-07  
(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: \_\_\_\_\_

18  
2  
4/11

**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: Gemaehlich  
 Well Number: 42-18  
 Field: Cherry Creek Niobrara Gas Area

Location of Well: County: Cheyenne  
 \_\_\_\_\_  
 1920 \_\_\_\_\_ feet from  N /  S Line of Section  
 650 \_\_\_\_\_ feet from  E /  W Line of Section  
 Sec. 18 Twp. 2 S. R. 41  East  West

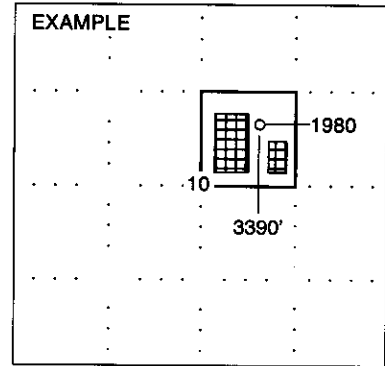
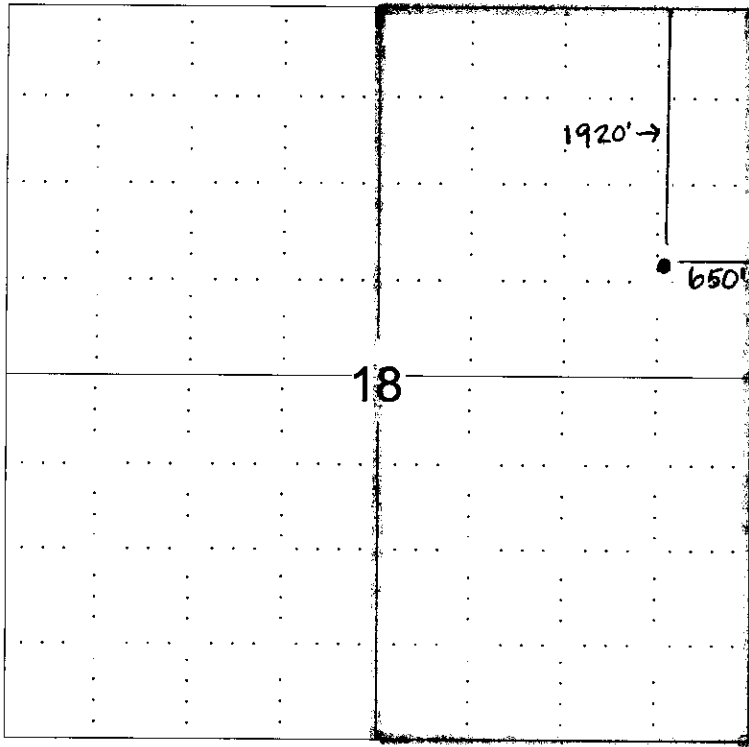
Number of Acres attributable to well: NA  
 QTR / QTR / QTR of acreage: NE - SE - NE

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.)*



SEWARD CO.

**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: (C0-7 for oil wells; CG-8 for gas wells).

BASIS OF BEARINGS: THE EAST LINE OF SECTION 18, AS SHOWN HEREON.

FND YPC RLS # 1001 R 41 W S 89°47'22" E 5244.80' FND 60D NAIL

N 00°23'38" E 5295.03'

18

N.A.D. 83  
LAT=39.88173°N  
LON=101.95717°W  
G.P.S. OPERATOR = S. DEMANCHE

1920'

650'

N 00°05'34" E 5288.38'

T  
2  
S



FND YPC RLS # 1001

S 89°51'41" E 5272.61'

FND #5 REPAIR RECEIVED

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SCALE 1"=1000'

Power Surveying Co., Inc. of Frederick, Colorado has in accordance with a request from TYSON JOHNSTON for PETROLEUM DEVELOPMENT CORPORATION determined the location of GEMAEHLICH 42-18 to be 1920' FNL & 650' FEL Section 18, Township 2 SOUTH Range 41 WEST of the Sixth Principal Meridian, CHEYENNE County, KANSAS

LOCATION NOTES

LOCATION FALLS IN: WHEAT FIELD  
IMPROVEMENTS: NONE WITHIN 200' OF LOCATION.

ELEVATION DETERMINED FROM NAVD 1988 DATUM.  
GROUND ELEVATION = 3601'

DISTANCES AND BEARINGS ARE FIELD MEASURED UNLESS OTHERWISE NOTED.

LEGEND

- SECTION CORNER (AS NOTED)
- ▽ PROPOSED WELL LOCATION



7800 MILLER DRIVE UNIT C  
FREDERICK, COLORADO 80504  
303-702-1617

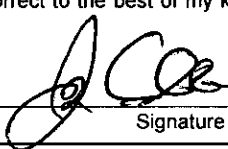
FIELD DATE: 7-28-06 WO# 501-06-561  
DATE OF COMPLETION: 8-1-06

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form CDP-1  
April 2004  
Form must be Typed

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name: <b>Petroleum Development Corporation</b>		License Number: <b>33325</b>
Operator Address: <b>103 E. Main Street, PO Box 26 Bridgeport, WV 26330</b>		
Contact Person: <b>James Annable</b>		Phone Number: ( <b>303</b> ) <b>905 - 4340</b>
Lease Name & Well No.: <b>Gemaehlich 42-18</b>		Pit Location (QQQQ): _____ <b>NE</b> _____ <b>SE</b> _____ <b>NE</b>
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input checked="" type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <small>(If WP Supply API No. or Year Drilled)</small>	Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: <b>1200</b> (bbls)	Sec. <b>18</b> Twp. <b>2S</b> R. <b>41</b> <input type="checkbox"/> East <input checked="" type="checkbox"/> West <b>1920</b> Feet from <input checked="" type="checkbox"/> North / <input type="checkbox"/> South Line of Section <b>650</b> Feet from <input checked="" type="checkbox"/> East / <input type="checkbox"/> West Line of Section <b>Cheyenne</b> County
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chloride concentration: _____ mg/l <small>(For Emergency Pits and Settling Pits only)</small>
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Artificial Liner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	How is the pit lined if a plastic liner is not used? <b>Natural Clay/bentonite</b>
Pit dimensions (all but working pits): _____ <b>50</b> _____ Length (feet) _____ <b>30</b> _____ Width (feet)      _____ <b>N/A: Steel Pits</b> Depth from ground level to deepest point: <b>6</b> _____ (feet)		
If the pit is lined give a brief description of the liner material, thickness and installation procedure. <b>NA</b>	Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. <b>NA</b>	
Distance to nearest water well within one-mile of pit _____ <b>2950</b> _____ feet    Depth of water well _____ <b>217</b> _____ feet	Depth to shallowest fresh water <b>119</b> _____ feet. Source of information: _____ measured    _____ well owner    _____ electric log <input checked="" type="checkbox"/> KDWR	
<b>Emergency, Settling and Burn Pits ONLY:</b> Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Drilling, Workover and Haul-Off Pits ONLY:</b> Type of material utilized in drilling/workover: <b>Bentonite mud</b> Number of working pits to be utilized: <b>1</b> Abandonment procedure: <b>Evaporation/backfill</b> _____ Drill pits must be closed within 365 days of spud date.	
I hereby certify that the above statements are true and correct to the best of my knowledge and belief.		
<u>9/8/06</u> Date		 Signature of Applicant or Agent
<b>KCC OFFICE USE ONLY</b>		
Date Received: <u>9/11/06</u> Permit Number: _____ Permit Date: <u>9/11/06</u> Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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