For KCC Use: Effective Date: _

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	12	26	07	Spot				East
:xpecied Spud Date	month	day	year	NE SW NW	Sec 16	Twp. 5	S. R. 42	✓ West
33325				1869			S Line of	
PERATOR: License# 33325				1129			✓ W Line of	
lame: Petroleum Development G ddress: 1775 Sherman St. Suite	3000		.=	Is SECTIONR	_	_		
Address: Denver CO 8020	13				_	_		
city/State/Zip: Denver, CO 8020	· <u>-</u> -			(Note: Lo County: Cheyenne	cate well on the	e Section Plat or	n reverse side)	
Contact Person: James Annable	<u></u>			Lease Name: Armkned	·ht		Well #: 12	-16
Phone: 303-905-4340				Field Name: Cherry Cr	eek Niobrara (Gas Area	weii #: <u>` -</u>	
CONTRACTOR: License#_33	532							<u> </u>
lame: Advanced Drilling Tech	nologies			Is this a Prorated / Sp				Yes 🕢 No
iamo.				Target Formation(s):		29'		
Well Drilled For:	Well Class:	Type	Equipment:	Nearest Lease or unit				4 MCI
Oil Enh Rec	✓ Infield	- √N	Mud Rotary	Ground Surface Elevat				feet MSL
√ Gas ✓ Storage	Pool Ext.	. H	ir Rotary	Water well within one-	•			Yes No
OWWO Disposal	Wildcat	Πo	able	Public water supply we				Yes 🚺 No
Seismic;# of Hot	es Other			Depth to bottom of fre				
Other	السما			Depth to bottom of us				
				Surface Pipe by Altern	ate:	2 250'	_	
f OWWO: old well information	n as follows:			Length of Surface Pip	e Planned to	be set:		
Operator: NA				Length of Conductor	Pipe required:	Norrequired		
Well Name:				Projected Total Depth				
Original Completion Date:	0	riginal Total	Depth:	Formation at Total De	DIT1			
Directional, Deviated or Horizo If Yes, true vertical depth: Bottom Hole Location:				DWR Permit #: Drilling	Pond O Contractor w	ther X	R M	
KCC DKT #:				·	ote. Apply to	Committee Deep	"Ľ/ ,_	Vae 🔽 No
				Will Cores he taken?				
CC DKT #				Will Cores be taken?			RECE	IVED "
COO DRT #.				Will Cores be taken? If Yes, proposed zone	:	KAN	RECE ISAS CORPORA	IVED TON COMMIS
(CO DAT #					-	KAN		
			AFF	If Yes, proposed zone		T/AIN		
The undersigned hereby affir	ms that the drill	ing, comple	AFF etion and eventual	If Yes, proposed zone		T/AIN	DEC 1	2007
The undersigned hereby affir t is agreed that the following 1. Notify the appropriate	ms that the drill minimum requi district office <i>pr</i>	ing, comple irements wi rior to spud	AFF etion and eventual Ill be met: Iding of well;	If Yes, proposed zone FIDAVIT blugging of this well will co		T/AIN	DEC 14	2007
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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 - 023-20856-0000	Location of Well: County: Cheyenne
Operator: Petroleum Development Corporation	1869 feet from VN/S Line of Section
Lease: Armknecht	1129 feet from E / 📝 W Line of Section
Well Number: 12-16	Sec. 16 Twp. 5 S. R. 42 East ✓ Wes
Field: Cherry Creek Niobrara Gas Area	
Number of Acres attributable to well: NA	Is Section: Regular or 🗸 Irregular
QTR / QTR / QTR of acreage: NE - SW - NW - NW	If Section is Irregular, locate well from nearest corner boundary. Section corner used: ☐ NE ✓ NW ☐ SE ☐ SW

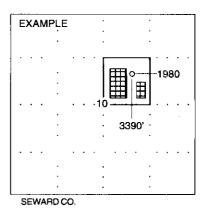
PLAT
(Show location of the well and shade attributable acreage for prorated or spaced wells.)
(Show footage to the nearest lease or unit boundary line.)

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RECEIVED KANSAS CORPORATION COMMISSION

DEC 14 2007

CONSERVATION DIVISION WICHITA, KS



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).

WELL LOCATION CERTIFIC

SECTION 16, TOWNSHIP 5 SOUTH, RANGE 42 WEST, 6TH P.M.

S_88729 347 E 5309 60 NW % SEC 16 NE % SEC 16 CALCULATED OFF CALCULATED OFF OF ROW FENCES OF ROW FENCES ARMKNECHT 12-16 SURFACE LOCATION GROUND ELEVATION= 3647" 1129 LAT/LONG = 39 62052°N 517803 102,04627°W 02.10,51" 01.58 NOTES VERTICAL DRILL WELL LAND SURFACE USE IS AGRICULTURAL **PASTURE** NO VISIBLE IMPROVEMENTS WITHIN 2001 SW % SEC 16 CALCULATED OFF SE 1/2 SEC. 16 OF ROW FENCES (BASIS OF BEARINGS) FOUND NAIL AT CENTER ROAD N 87'49'11" W 5291 74' I HEREBY STATE TO PETROLEUM DEVELOPMENT CORPORATION THAT THIS WELL LOCATION CERTIFICATE

INDICATES THE WELL ARMKNECHT 12-16 TO BE LOCATED 1869' FNL AND 1129' FWL, SEC 16, T5S, R42W 6th PM

LEGEND

📤 = FOUND MONUMENT

= PROPOSED WELL = EXISTING WELL

— = EXISTING FENCE

BASIS OF BEARINGS AS SHOWN ABOVE

SCALE: 1"=1000"

GROUND ELEVATION SHOWN IS APPROXIMATE AND IS BASED ON AN OBSERVED GPS ELEVATION (NAVD 1988 DATUM)

LAT. & LONG. SHOWN ARE BASED ON AN OBSERVED GPS OBSERVATION (NAD 1983'92) WITH A PDOP VALUE OF LESS THAN SIX (6)

ALL DISTANCES ARE FIELD MEASURED UNLESS OTHERWISE NOTED

DRAWING INTENDED TO DEPICT THE WELL LOCATION TO SECTION LINES REVISIONS DISTANCES TO WELL ARE SHOWN PERPENDICULAR TO SECTION LINES DATE INSTIALL WELL NAME ELD CATE 12-07-2007 ARMKNECHT 12-16 29-2007 HE SA WAR SL- FASS LL AS GN 12-03-2007 Petroleum Field Services LLC CHEYENNE COUNTY, KANSAS SW 1/4 NW 1/4, SEC. 16, T5S, R42W 1801 W. 13th, Street Denver, CO 80204 RDR

THIS IS NOT A MONUMENTED BOUNDARY SURVEY. IT IS ONLY A

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: Petroleum Development Corporation			License Number: 33325			
Operator Address: 1775 Sherman	St, Suite 300	0 Denver,	CO 80203			
Contact Person: James Annable		Phone Number: (303) 905 -4340				
Lease Name & Well No.: Armknecht	12-16	Pit Location (QQQQ):				
Type of Pit:	Pit is:		<u>_ NE SW NW_</u>			
Emergency Pit Burn Pit	✓ Proposed	Existing	Sec. 16 Twp. 5S R. 42 ☐ East 🗸 West			
Settling Pit	If Existing, date of	onstructed:	1869 Feet from ✔ North / South Line of Secti	on		
Workover Pit Haul-Off Pit	Pit capacity:		1129 Feet from East / 🗸 West Line of Secti			
(If WP Supply API No. or Year Drilled)	1000	(bbls)	Cheyenne			
Is the pit located in a Sensitive Ground Water	Area? Yes	No	Chloride concentration: mg/	Ť		
Is the bottom below ground level? Yes No	Artificial Liner?	No	How is the pit lined if a plastic liner is not used? Natural Clay/bentonite			
Pit dimensions (all but working pits):	50 Length (fe	eet) 30	Width (feet) N/A: Steel Pits			
Depth fr	om ground level to de	eepest point: 6	(feet)			
If the pit is lined give a brief description of the material, thickness and installation procedure NA			dures for periodic maintenance and determining ncluding any special monitoring.			
Distance to nearest water well within one-mile	e of pit		west fresh water 120feet.	72,5		
feet Depth of water well	170 feet	Source of infor	mation: redwell owner electric log KDWR	702320856		
Emergency, Settling and Burn Pits ONLY:			over and Haul-Off Pits ONLY:			
Producing Formation:		Type of materia	Il utilized in drilling/workover: Bentonite mud	56		
Number of producing wells on lease:		Number of working pits to be utilized: 1				
Barrels of fluid produced daily:		Abandonment	procedure: Evaporation/backfill	- 18		
Does the slope from the tank battery allow all flow into the pit? Yes No	spilled fluids to	Drill pits must t	pe closed within 365 days of spud date.	-		
I hereby certify that the above state	ements are true and o	correct to the best	of my knowledge and belief. DEC 1 4 200			
12/12/07 Date			gnature of Applicant or Agent CONSERVATION DIVIS WICHITA, KS	SION		
Jaco			gradule of Applicant of Agent			
	KCC (OFFICE USE OF	NLY -> 157			
Date Received: 12/14/07 Permit Num	ber:	Permi	t Date: 12/14/07 Lease Inspection: FYes No			