For KCC Use:	1-19-08
Effective Date:	11100
District #	4
CC42	[Z] N.

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

SGA? Yes Mo				e (5) days prior to commencing well
			-	A Cop days prior to commencing well
Expected Spud Date	1	23	08	Spot
	month	day	year	S2 - SW - NE Sec. 19 Twp. 5 S. R. 41 West
OPERATOR: License# 3332	25			2310feet from V N / S Line of Section
Name. Petroleum Developmer	nt Corporation			1980 feet from V E / W Line of Section
Address: 1775 Sherman St. St.	uite 3000			Is SECTIONRegular Irregular?
City/State/Zip: Denver, CO 80)203			(Note: Locate well on the Section Plat on reverse side)
Contact Person, James Annal	ble	• • • •		County: Cheyenne
Phone: 303-905-4340				Lease Name: Bandel Well #: 32-19
CONTRACTOR: License#_3	33532			Field Name: Cherry Creek Niobrara Gas Area
Name: Advanced Drilling Tec	chnologies			Is this a Prorated / Spaced Field?
Name.			-	Target Formation(s): Niobrara
Well Drilled For:	Well Class:	Type	Equipment:	Nearest Lease or unit boundary: 1980'
Oil Enh Red	c 📝 Infield	~	lud Rotary	Ground Surface Elevation: 3687' feet MSL
✓ Gas ✓ ☐ Storage	Pool Ex	1. 🔲 A	ir Rotary	Water well within one-quarter mile:
OWWO Disposa	il Wildcat	c	able	Public water supply well within one mile: Depth to bottom of fresh water: Yes V No
Seismic;# of H	foles Other			Depth to bottom of usable water:
Other				Surface Pipe by Alternate:
If OWWO: old well information	ian ao fallawa.			Length of Surface Pipe Planned to be set: 350'
N/A	on as follows.			Length of Conductor Pipe required: Not Required
				Projected Total Depth: 1600'
Original Completion Date				Formation at Total Depth: Niobrara
		ongman rotal	· /	Water Source for Drilling Operations:
Directional, Deviated or Hori:	izontal wellbore?		Yes ✓ No	Well Farm Pond Other X
If Yes, true vertical depth:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DWR Permit #: Drilling Contractor will apply.
Bottom Hole Location:		·		(Note: Apply for Permit with DWR
KCC DKT #:		·		Will Cores be taken? Yes ✓ No
				If Yes, proposed zone: RECEIVED
			ΔFF	KANSAS CORPORATION COM
The undersigned hereby aff	firms that the dri	ling, comple		
It is agreed that the followin				olugging of this well will comply with K.S.A. 55 et. seq. JAN 1 1 2008
Notify the appropriate	e district office a	<i>rior</i> to spud	ding of well:	CONSERVATION DIVISE
2. A copy of the approve	ed notice of inter	nt to drill <i>sh</i>	all be posted on ea	ich drilling rig; WICHITA, KS
3. The minimum amount	t of surface pipe	as specifie	d below <i>shall be s</i>	et by circulating cement to the top; in all cases surface pipe shall be set
through all unconsolic	dated materials i	olus a minim	num of 20 feet into	the underlying formation.
5. The appropriate distri	i, an agreement ict office will be i	notified befo	e operator and the re well is either plu	district office on plug length and placement is necessary <i>prior to plugging;</i> gged or production casing is cemented in;
				ted from below any usable water to surface within 120 days of spud date.
Or pursuant to Apper	ndix "B" - Easter	n Kansas s	urface casing orde	#133,891-C, which applies to the KCC District 3 area, alternate II cementing
			/ 1	be plugged. In all cases, NOTIFY district office prior to any cementing.
I hereby certify that the stat	tements made h	erein are tru	e and to the best	r-my knowledge and belief.
Date: 1/9/08	0:	.	(/(Title: Sr. Regulatory Consultant
Date: 110700	_ Signature of C	perator or i	Agent:	Title: Sr. Regulatory Consultant
				Remember to:
For KCC Use ONLY	109112 -	77	•	- File Drill Pit Application (form CDP-1) with Intent to Drill;
API # 15 - 023 - 0	209420			- File Completion Form ACO-1 within 120 days of spud date;
Conductor pipe required	More		et _	 File acreage attribution plat according to field proration orders; Notify appropriate district office 48 hours prior to workover or re-entry;
Minimum surface pipe requ	uired 28	7 0	et per Alt.	Submit plugging report (CP-4) after plugging is completed;
Approved by:				Obtain written approval before disposing or injecting salt water.
This authorization expires:	1-14-09			- If this permit has expired (See: authorized expiration date) please
(This authorization expires:		thin d months	of approval date)	check the box below and return to the address below.
, ===============================	go. stantod Wi	12	o. apploral duto./	Well Not Drilled - Permit Expired
Spud date:	Agent:			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 - 023-20942-0000	Location of Well: County: Cheyenne	
Operator: Petroleum Development Corporation		
Lease Bandel	2310 feet from ✓ N / ☐ S Line of Section 1980 feet from ✓ E / ☐ W Line of Section	
Well Number: 32-19	Sec. 19 Twp. 5 S. R. 41 East Wes	
Field: Cherry Creek Niobrara Gas Area	East V Wes	
Number of Acres attributable to well: NA	Is Section: Regular or 📝 Irregular	
QTR / QTR / QTR of acreage: S2 - SW - NE	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.)

Lease Line		1980,	RECEIVED KANSAS CORPORATION COMMISSION JAN 1 1 2008 CONSERVATION DIVISION WICHITA, KS
Ciric		19	EXAMPLE
			1980
			3390
	· · · · · · · · · ·		SEWARD CO.

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

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).

-023-20942-0000 ION CERTIFI SECTION 19, TOWNSHIP 5 SOUTH, RANGE 41 WEST, 6TH P.M. NA 5EC 19 87128158 5308 98 CRD FX NE SEC 19 INTERSECTION CR D 16 INTERSECTION SURFACE LOCATION GROUND ELEVATION = 3627 LATILONG = 39 50540 101 96366 NOTES THIS IS A VERTICAL WELL **BANDEL 32-19** LAND SURFACE USE-PASTURE FIELD APPARENT PROPERTY LINE IS 1980' 5.755. **≸** 1980 < 02.48.20 RECEIVED KANSAS CORPORTION COM JAN 11 2008 CONSERVATION DIVISION WICHITAL KS SW SEC 19 **FX CORNER** SEISEC 19 INTERSECTION OF 87'23'01" 5234 99 THEREBY STATE TO PETROLEUM DEVELOPMENT CORPORATION THAT THIS WELL LOCATION CERTIFICATE INDICATES THE WELL BANDEL 32-19 TO BE LOCATED 2310' FNL AND 1980' FEL, SEC 19 T5S, R41W 6th P M LEGEND TIAMUNOM CHUOT = 🕀 = PROPOSED WELL ◆ = EXISTING WELL SCALE: 1"=1000" BASIS OF BEARINGS AS SHOWN ABOVE GROUND ELEVATION SHOWN IS APPROXIMATE AND IS BASED ON AN OBSERVED GPS ELEVATION (NAVD 1988 DATUM) PETROLEUM FIELD SERVICES, LLC LAT. & LONG. SHOWN ARE BASED ON AN OBSERVED GPS OBSERVATION THIS IS NOT A MONUMENTED BOUNDARY SURVEY. IT IS ONLY A (NAD 1983/92) WITH A PDOP VALUE OF LESS THAN SIX (6) DRAWING INTENDED TO DEPICT THE WELL LOCATION TO SECTION LINES ALL DISTANCES ARE FIELD MEASURED UNLESS OTHERWISE NOTED. ONS DISTANCES TO WELL ARE SHOWN PERPENDICULAR TO SECTION LINES. DATE IN A. AELL NAME

12-19-07

12-20-07

LB

Petroleum Field Services LLC

1801 W. 13th Ave

Denver, CO 80204

RAWING 3418

BANDEL 32-19

CHEYENNE COUNTY, KANSAS

SW 1/4 NE 1/4, SEC. 19, T5S, R41W

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.: Bandel 32-1	9		Pit Location (QQQQ):	
Type of Pit:	Pit is:		<u>S2SWNE</u>	
Emergency Pit Burn Pit	✓ Proposed Existing		Sec. 19 Twp. 5S R. 41 ☐ East ✔ West	
Settling Pit	If Existing, date constructed:		2310 Feet from 🗸 North / 🗀 South Line of Section	
Workover Pit Haul-Off Pit	Pit capacity:		1980 Feet from ✓ East / West Line of Section	
(If WP Supply API No. or Year Drilled)	1200	(bbls)	Cheyenne	
Is the pit located in a Sensitive Ground Water Is the bottom below ground level?	Artificial Liner?] No	Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)	
Yes No	Yes 🗸	No	How is the pit lined if a plastic liner is not used? Natural Clay/bentonite	
Pit dimensions (all but working pits): 5	0 Length (fe	set) 30	Width (feet) N/A: Steel Pits	
]	om ground level to de		(feet)	
If the pit is lined give a brief description of the liner Descr		Describe proce	dures for periodic maintenance and determining ncluding any special monitoring.	
NA	:	NA	JAN 1 1 2008	
Distance to nearest water well within one-mile of pit		Depth to shallo Source of infor	CONSERVATION DIVISION west fresh water 116 feet. WICHITA, KS mation:	
3200 feet Depth of water well 192 feet		measu	redwell owner electric log KDWR	
Emergency, Settling and Burn Pits ONLY:			over and Haul-Off Pits ONLY:	
Producing Formation:			ul utilized in drilling/workover: Bentonite mud	
Number of producing wells on lease:		Number of working pits to be utilized: 1		
Barrels of fluid produced daily:		Abandonment	procedure: Evaporation/backfill	
Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No		Drill pits must be closed within 365 days of spud date.		
I hereby certify that the above state	ments are true and c	correct to the best	of my knowledge and belief.	
1/9/08			- 18 B	
		s	gnature of Applicant or Agent	
	KCC (OFFICE USE OF	NLY	
Date Received: \\ \(\lambda \tau \) OS Permit Numl	ber:	Permi	t Date: 1/11 O & Lease Inspection: Yes No	