For KCC Use: Effective Date: District # 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

	3	23	08		$\overline{}$
Expected Spud Date	month	day	year	Spot 15	East
		uay	year	2010	Twp. 5 S. R. 39 West
OPERATOR: License# 33325				2310 feet from 2260	N / S Line of Section
Name. Petroleum Development (Corporation			reet from	
Address: 1775 Sherman St. Suite	e 3000			ls SECTIONRegular _✓_Irre	gular?
City/State/Zip: Denver, CO 8020				(Note: Locate well on the Sec	tion Plat on reverse side)
Contact Person: James Annable	•			County: Cheyenne	·
Phone: 303-905-4340				Lease Name: Schield	Well #: 22-15
	=22			Field Name: Cherry Creek Niobrara Gas A	Area
CONTRACTOR: License# 335				Is this a Prorated / Spaced Field?	✓ Yes ✓ No
Name: Advanced Drilling Tech	nologies			Target Formation(s): Niobrara	
Well Drilled For:	Well Class:	Timo F	-automosati	Nearest Lease or unit boundary: 330'	
			Equipment:	Ground Surface Elevation: 3550'	feet MSL
Oil Enh Rec	✓ Infield ✓	=	ud Rotary 🗸	Water well within one-quarter mile:	∏Yes ✓ No ✓
✓ Gas Storage	Pool Ext.		r Rotary	Public water supply well within one mile:	Yes ✓ No
OWWO Disposal	Wildcat	C	able	Depth to bottom of fresh water: 320'	
Seismic;# of Hole	es Other			Depth to bottom of usable water: 320'	
Other				Surface Pipe by Alternate: 🗸 1	2
If OWWO: old well information	a a fallows:			Length of Surface Pipe Planned to be s	et: 370'
Operator: NA	i as ionows:			Length of Conductor Pipe required: Not	Required
				Projected Total Depth: 1600'	
Well Name:		-:	D46:	Formation at Total Depth: Niobrara	
Original Completion Date:_	0	riginai totat	Depth:	Water Source for Drilling Operations:	
Directional, Deviated or Horizo	ntal wellbore?		Yes ✓ No	Well Farm Pond Other	x /
If Yes, true vertical depth:				DWR Permit #: Drilling Contractor will ap	ply
Bottom Hole Location:					
KCC DKT #:				(Note : Apply for Perm	it with DWR (1)
				1450 0	
RCC DR1 #				Will Cores be taken?	Yes ✓ No
				Will Cores be taken? If Yes, proposed zone:	Yes ∠ No
NOC DK1 #				If Yes, proposed zone:	RECEIVED
			AFF	If Yes, proposed zone:	RECEIVED KANSAS CORPORATION COMMISSES
The undersigned hereby affirm	ms that the drilli	ng, comple	AFF tion and eventual p	If Yes, proposed zone:	RECEIVED KANSAS CORPORATION COMMISSION SERVICES (COMMISSION COMMISSION COMMI
The undersigned hereby affire It is agreed that the following	ms that the drilli minimum requir	ng, comple rements will	AFF tion and eventual p I be met:	If Yes, proposed zone:	RECEIVED KANSAS CORPORATION COMMISSES
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The undersigned hereby affirm It is agreed that the following 1. Notify the appropriate of 2. A copy of the approved 3. The minimum amount of through all unconsolida 4. If the well is dry hole, a 5. The appropriate district 6. If an ALTERNATE II CO Or pursuant to Append must be completed with I hereby certify that the states Date: 3/18/08 For KCC Use ONLY API # 15 - 223 - 2 and Conductor pipe required Minimum surface pipe required Minimum surface pipe required Approved by: Yunt 3-20 This authorization expires: (This authorization void if drilling)	ms that the drilli minimum required strict office pride in notice of intent of surface pipe atted materials plan agreement be office will be not office with the notice of office of the notice of the notic	ng, complete rements will for to spudde to drill sha as specified us a minimulative the obtified befor roduction pit Kansas suche spud data rein are true perator or A	AFF tion and eventual p I be met: ding of well; all be posted on ear d below shall be se um of 20 feet into to operator and the of the well is either plug inface casing order tie or the well shall the and to the best of digent:	If Yes, proposed zone: DAVIT ugging of this well will comply with K.S.A. 5 ch drilling rig; If by circulating cement to the top; in all cane underlying formation. istrict office on plug length and placement ged or production casing is cemented in; ed from below any usable water to surface #133,891-C, which applies to the KCC Dispe plugged. In all cases, NOTIFY distriction with the case of the completion form ACO-1 within 120. File Drill Pit Application (form CDP-1) which according in Notify appropriate district office 48 hours. Submit plugging report (CP-4) after plughous with the provided disposing the completion of the completi	RECEIVED KANSAS CORPORATION COMMISSION MAR 2 0 2008 Sees surface pipe "Marging DIVISION WICHITA, KS" is necessary prior to plugging; within 120 days of spud date. strict 3 area, alternate II cementing to office prior to any cementing. Sr. Regulatory Consultant Sr. Regulatory Consultant th Intent to Drill; of days of spud date; of field proration orders; sprior to workover or re-entry; gging is completed; g or injecting salt water. red expiration date) please address below.

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.

Location of Well: County: Cheyenne

Lassa:	Schield		2310	feet from 🗸 N / S	Line of Section
Lease: Schie d Well Number: 22-15			2260		Line of Section
Field: Cherry Creek Niobrara Gas Area			Sec. 15 T		East West
	es attributable to well: NA		ls Section:	Regular or 🚺 Irregular	
QTR/QTR/Q	TR of acreage: SE	SE NW			
			Section as irre	gular, locate well from nearest corn	er boundary.
			Coulon comer us	ed: _NE ☑NW □SE □SW	
		,	PLAT		
	(Show location of	of the well and shade attr	ibutable acreage for pro	rated or spaced wells)	
lease	<u></u>	Show footage to the near	est lease or unit bou nd a	ary line.)	
Line					
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				SEWARD 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.

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

3. The distance to the nearest lease or unit boundary line.

API No. 15 - 023-21013-0000

Operator Petroleum Development Corporation

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).

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 Develor	oment Corporat	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.: Schield 22-	15	Pit Location (QQQQ):		
Type of Pit:	Pit is:		SE SE NW	<u></u>
Emergency Pit Burn Pit	✓ Proposed	Existing	Sec. 15 Twp. 5S R. 39	East ✓ West
Settling Pit	If Existing, date constructed:		2310 Feet from V North	South Line of Section
Workover Pit Haul-Off Pit	Pit capacity:		2260	/ ✓ West Line of Section
(If WP Supply API No. or Year Drilled)	1200	(bbls)	Cheyenne	County
Is the pit located in a Sensitive Ground Water	r Area? Yes 🗸		Chloride concentration:	
	, , , , , , , , , , , , , , , , , , , ,		(For Emergency Pits and	Settling Pits only)
Is the bottom below ground level?	Artificial Liner?	N.	How is the pit lined if a plastic liner	
Yes No	Yes ✓	No	Natural Clay/bentonite)
Pit dimensions (all but working pits):	50 Length (fe	eet)30	Width (feet)	N/A: Steel Pits
Depth f	from ground level to de	eepest point: 6	(feet)	
If the pit is lined give a brief description of the			edures for periodic maintenance and	determining
material, thickness and installation procedur		ncluding any special monitoring.		
NA	NA			
Distance to nearest water well within one-mil	Depth to shallowest fresh water 180 feet. Source of information:			
4500 feet Depth of water well	measured well owner electric log KDWR			
Emergency, Settling and Burn Pits ONLY	Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: Bentonite mud Number of working pits to be utilized: 1			
Producing Formation:				
Number of producing wells on lease:				
Barrels of fluid produced daily:	Abandonment procedure: Evaporation/backfill			
Does the slope from the tank battery allow al flow into the pit? Yes No	Drill pits must be closed within 365 days of spud date.			
I hereby certify that the above state	ements are true and r	correct to the bes	t of my knowledge and belief.	RECEIVED
·				KANSAS CORPORATION COMM
3/18/08		~ (/ (Sh	MAR 2 0 2008
Date		(> s	ignature of Applicant or Agent	CONSERVATION DIVISIO
	KCC (OFFICE USE O	NI Y	WICHITA, KS
l r	NOO (J. 1 IJE JJE U	,	
Date Received: 3/20 68 Permit Nun	nber:	Permi	it Date: 3/20/08 Lease Insp	ection: Yes No
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