For KCC Use:	6-14-08
District #4	
SGA? Yes	No

# Kansas Corporation Commission Oil & Gas Conservation Division

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

## NOTICE OF INTENT TO DRILL

Sput Date			must be ap	proved by KCC live (	5) days prior to commencing well		
PERATOR: Licentaes 3335  OPERATOR: Licentaes 3335  OPERATOR: Licentaes 3335  OPERATOR: Secretary 175 Sheman St. Sale 3000  Operators: Petroleum Development Corporation  Name: Petroleum Development Corporation  Address: 1775 Sheman St. Sale 3000  Operators: Operators: Marker Co. 08203  Contact Person: James Annable  CONTRACTOR: Licentaes 33552  Name: Advanced Defiling Technologies  Well Drilled For: Well Class: Type Equipment:  Oil Enh Rec   Infelied   Much Rolary  Gas   Storage   Pool Est.   Air Rolary  GAW   Disposal   Wildcat   Cable    Salismic:   If of Holes   Other    Other   Other   Other   Other    Other   Other   Other   Other    Other   Other   Other   Other   Other    Other   Other   Other   Other   Other    Other   Other   Other   Other   Other    Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other   Other    Other   Other   Other   Other   Other   Other   Other   Other    If OWNO: old well information as follows: Original Total Depth:   Other   Other   Other   Other   Other   Other   Other    If was, rus vertical depth:   Other   Ot	Expected Spurid Date	7	1	08	Spot	□ E <i>a</i>	ıst
OPERATOR. Licenses 33302  Name: Pertokum Development Coporation  Alaries. 2775 Sharmen St. 3040 3000  City/State/Cip. Devent. Co Box30  Contract Person. 3360 3000  Contra	Expected Optid Duto	month	day	year			
Address: 1779 Sheman St. 20th 2000  Address: 1779 Sheman St. 20th 2000  Contact Person. Shems Anable  Portion Share Co 20203  Contact Person. Shems Anable  Tager Formatonis): Nictoria  Nearest Lease or unit boundary. 399  Ground Surface Shewsion. 3992  Tager Formatonis Shems Anable  Nearest Lease or unit boundary. 399  Ground Surface Shewsion. 3992  Tager Formatonis Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Shems Anable  Nearest Lease or unit boundary. 399  Market Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399  Market Doctor Shems Anable  Nearest Lease or unit boundary. 399	3332	5 /					
Address: 777 Sheman St. Size 3000  Gity/State/Dp. Emer. CO 50203  Gity/State/Dp. Emer. CO 50203  Gity/State/Dp. Emer. CO 50203  Gity/State/Dp. Emer. CO 50203  Gotter Parton. James Annable  Contract Parton. James Annable  C	OPERATOR: License#	t Corporation		<del></del>	330 feet from E /		
Melair Locate well on the Section Plat on reverse side)	Name: Fetioledin Development	ite 3000			Is SECTIONRegular Irregular?		
County: Sergential Sergential County: Sergential Sergential County: Sergential Sergential County: Sergential Sergential Sergential Sergential Serg	Address: Denver CO 802	203					
Lease Name. Knort — Well #:12-10  CONTRACTOR. Licenses 33532  Name. Advanced Dilling Technologies  Well Diffied For: Voil Class: Type Equipment: Out — Enh Rec	City/State/Zip:					erse side)	
CONTRACTOR: Licenses 33532   Site   Association   Control   Cont	Contact Person: James Allias 303,905,4340	<u></u>			County: Knorr	14/-II II. 12-10	
CONTRACTOR: Locenses* 3-35-35 Name Advanced Drilling Technologies    Summe Advanced Drilling Technologies   Type Equipment:	Phone:				Cherry Creek Niobrara Gas Area	_vveii #:	_
Name	CONTRACTOR: License# 30	3532					
Well Drilled For:  Well Class.  Type Equipment:  Oil Fin Rec Fin Rec Fin Rec Fin Rec For State Storage Fin Rec	Name. Advanced Drilling Tec	hnologies				Yes 🗸	NO
Ground Surface Elevation: 38%	Tiging.				larget Formation(s): 1400444		_
Coli	Well Drilled For:	Well Class:	Туре	Equipment:		foot N	
Gas   Storage   Pool Ext.   Air Rotary   Willoam   Cable   C	Oil _ Enh Rec	: 🗸 Infield	<b>✓</b> ∧	Aud Rotary	·		
Cable   Cabl		<u> </u>		<del>-</del>	·	= =	-
Seismic;		=		-		⊥ Yes 🗸	INO
Depth to bottom of usages water	<u> </u>	=					
Strates Pipe by Attentions:  Operator: NA  Well Name:  Original Completion Date:  Original Total Depth:  Directional, Deviated or Horizontal wellbore?  If Yes, true vertical depth:  Bottom Hole Location:  KCC DKT #:  Well Cores be taken?  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 approved notice of intent to drill shall be posted on each drilling rig:  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 specifiled before well is either plugged or production casing is cemented in;  If Yes proposed zone:  CONSERVATION DIVISK  AFFIDAVIT  The authorization drilling an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;  If yes proposed zone:  CONSERVATION DIVISK  AFFIDAVIT  The authorization drilling an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;  If yes proposed zone:  AFFIDAVIT  KANSAS CORPORATION DIVISK  CONSERVATION DIVISK  CONSERVATION DIVISK  CONSERVATION DIVISK  AFFI at 15 - CASH AND	F-1						
Operator: NA Well Name: Original Completion Date: Original Total Depth: Directional. Deviated or Horizontal wellbore? Yes Yes No If Yes, true vertical depth: Source for Drilling Operations: Water Source for Drilling Operations: Water Source for Drilling Contractor will apply. Will Cores be taken? Will Cores be taken? If Yes, proposed zone: RECEIVED KANSAS CORPORATION COM 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.  If the undersigned demonstration of the surface pipe as specified below shall be set by circulating ormation.  It is agreed that the following minimum requirements will be met:  1. Notify the appropriate district office or surface with the surface pipe shall be set by circulating ormation to the top; in all cases surface pipe shall be set.  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 ormation.  4. If the well is dry hole, an agreement between the operator and the district office on pipe 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, or production ripe shall be cemented form below any usable water to surface within 120 days of spud date.  Or pursuant to Appendix "B" - Eastern Kansas surface casing order 4133.891-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 shell plugged or production ripes in the plugging					Surface Pipe by Alternate:  1  2 370'		
Well Name:  Original Completion Date:  Original Completion Date:  Original Total Depth:  Original Completion Date:  Original Total Depth:  Original Completion Date:  Original Total Depth:  Original Total Peth Depth Original Total Depth:  Original Total Peth Depth Original Total Depth:  Original Total Peth Original Tot		on as follows:			Length of Surface Pipe Planned to be set:		_
Original Completion Date: Original Total Depth: Water Source for Drilling Operations:  Water Source for Premit ### Drilling Operation Operation Operat	Operator: NA				Length of Conductor Pipe required:		_
Original Completion Date:Original Total Depth:							
Water Source for 5 prilling Operations:  Will Cores be taken?  If Yes, proposed zone:  Will Cores be taken?  If Yes, proposed zone:  Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Apply for Permit with DWR   Water Source for 5 prilling Operation With DWR   Water Source for 5 prilling Operation With DWR   Will Cores be taken?  If Yes, proposed zone:  Water Apply for Permit with DWR   Will Cores be taken?  If Yes, proposed zone:  Water Apply for Permit with DWR   Will Cores be taken?  If Yes, proposed zone:  Water Apply for Permit with DWR   Water Apply for Permit with DWR   Will Cores be taken?  If Yes, proposed zone:  Water Apply for Permit with DWR   Will Cores be taken?  If Yes, proposed zone:  Water Apply for Permit with DWR   Will Cores be taken?  If Yes ac your dealers and the will comply with K.S.A. 55 et. seq.  UND 6 2008  AFFIDAVIT  KAPSAS CORPORATION DOUGH, Set Publication Comply with K.S.A. 55 et. seq.  UND 6 2008  AFFIDAVIT  Water Apply for Permit with DWR   Water Ap	Original Completion Date	;:	_Original Tota	l Depth:	Formation at total Depth.		
If Yes, true vertical depth:    DWR Permit #: Drilling Contractor will apply.	er a ke erasi a diada		^				
Bottom Hole Location:					Well Farm Pond Other ^	· · · · · ·	—
Will Cores be taken?  If Yes, proposed zone:  AFFIDAVIT  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 will be notified before well is either plugged or production expires within 120 days of spud date.  5. The appropriate district office will be notified before well is either plugged or production expires 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 skall 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 the kind of t							—
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The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 56 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 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 drivy knowledge and belief.  Pate: 6/4/08  Signature of Operator or Agent:  For KCC Use ONLY  Approved by: 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10				ΔEFI	DAVIT	ANSAS CORPORATION	ON COM
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5. The appropriate district office will be notified before well is either plugged or production gasing 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: 6/4/08  Signature of Operator or Agent:  For KCC Use ONLY  API # 15 - 023 - 2/038 - 0000  Conductor pipe required	through all unconsolic	gated materials	s pius a minir	num of 20 leet into it	ie underlying formation.		
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 cest of my knowledge and belief.  Date: 6/4/08 Signature of Operator or Agent:  For KCC Use ONLY  API # 15 . 023 - 2/038 - 0000  Approved by: 10	4. If the well is dry hole.	, an agreemen	it between th	e operator and the d	listrict office on plug length and placement is necessary	prior to plugging	<b>]</b> ;
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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: 6/4/08  Signature of Operator or Agent:  For KCC Use ONLY  API # 15 - 023 - 2/038 - 0000  Conductor pipe required	Or nursuant to Apper	JUNIFLE HUN, adix "B" - Fast	, production ( ern Kansas s	ире snan be сеттепт surface casino order	#133.891-C. which applies to the KCC District 3 area.	alternate II cement	ting
For KCC Use ONLY API # 15 - 023 - 21038 - 0000 Conductor pipe required None feet per Alt. 1 Approved by: Limit 12-9-09 This authorization void if drilling not started within months of approval date.)  Signature of Operator or Agent:  File Completion (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:	must be completed w	ithin 30 days (	of the spud d	ate or the well shall	pe plugged. In all pases, NOTIFY district office prior	to any cementing.	
For KCC Use ONLY API # 15 · 023 - 2/038 - 0000 Conductor pipe required	•	-	•	/ /		. •	
For KCC Use ONLY  API # 15 - 023 - 2/038 - 0000  Conductor pipe required	THOROUGH CORRESPONDED THE STATE	Siliente maue	norom die li	at and to the pest of			
For KCC Use ONLY  API # 15 - 023 - 2/038 - 0000  Conductor pipe required	Date: 6/4/08	Signature of	Operator or	Agent:	Title: Sr. Regulato	ry Consultant	
For KCC Use ONLY  API # 15 - 023 - 21038 - 0000  Conductor pipe required None feet  Minimum surface pipe required 370 feet per Alt. 1)  Approved by: Lunt 1 - 9 - 09  This authorization void if drilling not started within months of approval date.)  Spud date: Agent:		_ 5.9	SP4.410. 01				_
API # 15 - 023 - 27038 - 0000  Conductor pipe required		<del></del>					
Conductor pipe required	For KCC Use ONLY	1028-		$\sim$	**		
Conductor pipe required	API # 15 - 023 - 2	1030-0	<u>~~~</u>		•	•	>
Minimum surface pipe required 370 feet per Alt. 1   Submit plugging report (CP-4) after plugging is completed;  Approved by:		Nor	4.0	eet ,			7
Approved by:	· ·	7.	7()	$\sim \sim 10^{\circ}$	• • • •	-	ı
This authorization expires:  (This authorization void if drilling not started within months of approval date.)  Spud date:  Agent:  Spud date:  Agent:  Signature of Operator or Agent:  Signature of Operator or Agent:	ساست surface pipe requ		, <u>, , , , , , , , , , , , , , , , , , </u>	ser her vir O 🎉			
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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.

Location of Well: County: Cheyenne

feet from VN/S Line of Section

Lease: Knorr				330	feet from E	✓ W Line of Section
Well Number: 12-	10	****		Sec. 10	Twp. 5 S. R. 39	East ✓ West
Field: Cherry Cree	k Niobrara Gas Area				·	
	attributable to well:			Is Section:	Regular or 🗸 Irregular	
QTR / QTR / QTR	of acreage: SW	<u>SW</u>	NW	If Section is in	regular, locate well from neare	st corner boundary.
					used: NE NW SE	
			PL	<b>AT</b>		
1 -	(Show Id	ocation of the well and			prorated or spaced wells.)	
Lease \				lease or unit boun		
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#### 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 - 023-21038-0000

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 Development Corporation			License Number: 33325		
Operator Address: 1775 Sherman St, Suite 3000 Denver, CO 80203					
Contact Person: James Annable			Phone Number: ( 303 ) 905 -4340		
Lease Name & Well No.: Knorr 12-10			Pit Location (QQQQ):		
Type of Pit:	Pit is:		<u>SWSWNW</u>		
Emergency Pit Burn Pit	✓ Proposed	Existing	Sec. 10 Twp. 5S R. 39 ☐ East ✓ West		
Settling Pit	If Existing, date co	onstructed:	Feet from ✓ North / ☐ South Line of Section		
Workover Pit Haul-Off Pit	Pit capacity:	<u>-</u>	330 Feet from East / 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	Area? ☐ Yes ✓	] No	Chloride concentration: mg/l  (For Emergency Pits and Settling Pits only)		
Is the bottom below ground level?	Artificial Liner?		How is the pit lined if a plastic liner is not used?		
✓ Yes  No	Yes ✓	No 	Natural Clay/bentonite		
Pit dimensions (all but working pits):5	Length (fe	eet)30	Width (feet) N/A: Steel Pits		
Depth fr	om ground level to de	epest point: 6	(feet)		
If the pit is lined give a brief description of the material, thickness and installation procedure			edures for periodic maintenance and determining ncluding any special monitoring.		
NA		NA			
Distance to nearest water well within one-mile	e of pit		owest fresh water 141feet.		
3300feet Depth of water well220feet		Source of infor	rmation:  ured well owner electric log KDWR		
feet			over and Haul-Off Pits ONLY:		
Producing Formation:		Depth to shallowest fresh water 141 feet.  Source of information: electric log KDWR  Drilling, Workover and Haul-Off Pits ONLY:  Type of material utilized in drilling/workover: Bentonite mud  Number of working pits to be utilized: 1			
			rking pits to be utilized: 1		
1 · · · · · ·		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 statements are true and correct to the best of my knowledge and belief.  KANSAS CORPORATION COMMISSION					
JUN 0 6 2008					
6/4/08					
Date			ignature of Applicant or Agent CONSERVATION DIVISION WICHITA, KS		
	KCC	OFFICE USE O	NLY		
Date Received: 4 ( c& Permit Num	ber:	Perm	it Date: 6/6/08 Lease Inspection: Yes 🗷 No		