For KCC Use:	1-12-08
Effective Date:	1 1008
District #	1 _,
SGA? Yes	▼ No

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

Expected Spud Date			Must be ap	proved by KCC five	(5) days prior to	commencir	ng well	An oluling lifes	it be i liled
DEFRATOR: Licenses 33325 Name. Petrolisen Development Corpuration Address: 1773 Sherman st. Sate 3000 Contact Person, James Annalise Pronog. 393-365-430 Contact Person, James Annalise Contract	Expected Spud Date	1	12	08	Snot				<u> </u>
Section Name	Expedied Opud Date	month	day	year		\$2	. 5 -	5 - 40	-
Section Sect	333	125							
Address: 1775 Shemma 81. Suite 3000 Gry/State 1776. Shemma 81. Suite 3000 Gry/State 1776. Devence: CO 80003	OPERATOR: License#	nt Compretion			∠ 2600				
Cluystan/Dip Derver. CO 20030 Contact Person, Amera Annaba Contact Person, Amera Annaba Contact Person, Amera Annaba Country Cheyenne Cheyenne Country Cheyenne Chey Cheyenne Che	Name: Fetroleum Developme	uite 3000			Is SECTION	Beau			section
Contry_Cheyene Contry	Address: Denver, CO 80	0203				-	=		
ContractOrs: Licenses 33552	City/State/Zip:	thie					e well on the Section	n Plat on reverse side)	
Field Name Advanced Drilling Technologies Same Advanced Drilling Technologies Same Advanced Drilling Technologies Same Storage Pool Ext. Aff Rotary Muld Rotary	Contact Person: 303-905-4340	1516						23-	
Is this a Provised / Spaced Field? Ves \[No Name Advanced Drilling Technologies Ves \] No Name Advanced Drilling Technologies Target Formation(s): \] Nobrara Name Advanced Drilling Technologies Target Formation(s): \] Nobrara Name Advanced Drilling Technologies Target Formation(s): \] Nobrara Name Advanced Drilling Technologies Target Formation(s): \] No No Enh Re					Lease Name:	Cherry Creek	Niobrara Gas Area	Well #: <u>20</u>	
Name Advanced Drilling I echnologies Well Drillid For: Well Drillid For: Well Drillid For: Well Class: Jype Equipment: Seismic For All Protections of Surface (Provided), 3512 Seismic For Holling One) Own Obisposal Other Own Obisposal Other Ohiter Seismic For Holling Other Ohiter Ohiter Original Completion as follows: Operator: MA Well Name: Operator: MA Well Name: Original Completion Date: Original Total Depth: Wolf Source For Drilling Operations Original Completion Date: Original Total Depth: Well Vas. Well Source For Drilling Operations Well Sear Proper Search Well Fear Pond Other X Well Cores be taken? Well Fear Pond Other X Well Search For Drilling Operations Well Fear Pond Other X Well Fear Pond Other X Well Fear Pond Other X Well Search For Drilling Operations Well Search For Drilling Operations Well Search For Drilling Operations Well Fear Pond Other X	CONTRACTOR: License#	33532							
Nearest Lease or unit boundary, 542 Second Surface Elevation; 3637 Second Surface Elevation;	Name: Advanced Drilling Te	chnologies		.		,		Y	es 🜠 No
Ground Surface Elevation								-	
Water well within one-quarter mile: Gas Storage Pool Ext. Air Rotary Air Rotary Air Rotary Pool Ext. Cable Selamic: # of Holes Other Cable Depth to bottom of usable water # 320 De	Well Drilled For:			• •					foot MCI
Date Disposal Pour Ext. Wildcatz Cable Depth to bottom of fresh water: 32D Depth to bottom of tresh water: 32D Depth to bottom of tresh water: 32D Depth to bottom of tresh water: 32D Depth to bottom of usable water: 32D Depth to bottom of tesh usable to be set 37D Depth to bottom of tesh usable to be set 37D Depth to bottom of tesh usable to be set 37D Depth to bottom of tesh usable to be set 37D Depth to bottom of tesh usable to be set 37D Depth to bottom of tesh usable to be set 37D Depth to bottom of tesh usable to be set 37D Depth to bottom	Oil Finh Re	c 🛂 Infield	- <u>√</u> м	flud Rotary					
Deph to bottom of fresh water. 330 Deph to bottom of washe water. 340 Deph to bottom of usable water. 340 Deph to bottom of the usable water. 340 Deph to bottom of usable water. 340 De		—	=	•		-		=	=
Despit to bottom of usable water. 320		<u> </u>	c	able				_	es V 140
If OWWO: old well information as follows: Operator: NA		foles Other			•		-		
If OWWC. old well information as follows: Operator: NA Well Name: Original Completion Date: Orig	Other								
Operator: MA Well Name: Original Completion Date: Original Completion	If OWWO: old well informat	ion as follows:			Length of Sur	face Pipe P	lanned to be set:	3× 370 -	
Well Name: Original Completion Date: Original Total Depth: Formation at Total Depth: Niobrara Projected Total Depth: Niobrara					Length of Cor	ductor Pipe	e required: Not Red	quired	
Original Completion Date:Original Total Depth:					Projected Total	al Depth: 16	350'		
Water Source for Drilling Operations: Wate				_	Formation at	Total Depth:	Niobrara -		
Yes No Well Farm Pond Other X	,		- · · .						
Will Cores be taken? Yes No No No No No No No N	Directional, Deviated or Hor	izontal wellbore?		Yes ✓ No	Well	Farm Po	ond Other X		
Will Coras be taken? If Yes, proposed zone: RECEIVED AFFIDAVIT + See Pat for lease bondary. Kansas CORPORATION COMMIS The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq. Is sagreed that the following minimum requirements will be met: JAN 0 4 2008 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 shall be provided and belief. Date: 12/28/07 Signature of Operator or Agent: For KCC Use ONLY API #15 - D33 - 20909-0000 This authorization expires: In the suppropriate 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 axpiration date) please check the box below and return to the address below. Well Not Drilled - Permit Expired Signature of Operator or Agent: Signature of Operator or Agent: Signature of Operator or Agent:	If Yes, true vertical depth:				DWR Permit #	Drilling Co	intractor will apply		
If Yes, proposed zone: AFFIDAVIT * See Pat for lesse bondary: KANSAS CORPORATION COMMIS 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 ball 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. 6. 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. 8. Title: Sr. Regulatory Consultant 8. Femember to: 9. File Drill Pit Application (form CDP-1) with Intent to Drill; 9. File acreage attribution plat according to field proration orders; 9. Notify appropriate district office 48 hours prior to workover or re-entry; 9. Submit plugging report (CP-4) after plugging is completed; 9. Obtain written approval before disposing or injecting sall water. 1. If this permit has expired (See: authorized expiration date) please check the box below and return to the address below. 1. Well Not Drilled - Permit Expired 1. Signature of Operator or Agent: 1. Well Not Drilled - Permit Expired 1. Signature of Operator or						(Note	: Apply for Permit w	rith DWR 🔲)	
AFFIDAVIT + See Pather lease bondary. RECEIVED AFFIDAVIT + See bondary. KANSAS CORPORATION COMMIS 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 appropriate district office prior to spudding of well; 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 by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface pipe shall be set by circulating cement to the top; in all cases surface acciding to production pipe shall be set by circulating cement to the top; in all cases surface acciding to the 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. Pate 1228/07 Signature of Operator or Agent: File Completion Form ACO-1 within 120 days of spud date; File completion form CDP-1) with Intent to Drill: File Completion Form ACO-1 within 120 days of spud date; File completion Form ACO-	KCC DKT #:				Will Cores be	taken?		Y	es 🗹 No
AFFIDAVIT + See Pot for lease 100 cm. 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 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. Pate: 12/28/07 Signature of Operator or Agent: 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 as 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 authorized expiration date) please check the box below and return to the address below. Well Not Drilled - Permit Expired Signature of Operator or Agent:					If Yes, propos	ed zone:			
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 of my knowledge and belief. Date: 12/28/07 Signature of Operator or Agent: For KCC Use ONLY API # 15 - Q33 - 20909-0000 Approved by: 1-7-08 feet per Alt 1 Approved by: 1-7-08 feet per Alt 1 Approved by: 1-7-08 feet per Alt 1 Approved by: 1-7-09 feet per Alt 1 This authorization expires: 1-7-09 feet per Alt 1 This authorization expires: 1-7-09 feet per Alt 1 Well Not Drilled - Permit Expired Signature of Operator or Agent: 5 Well Not Drilled - Permit Expired Signature of Operator or Agent: 5 Well Not Drilled - Permit Expired	It is agreed that the following 1. Notify the appropriate	ng minimum requ e district office <i>pi</i>	iirements wil <i>rior</i> to spude	etion and eventual pl Il be met: ding of well;	ugging of this we			et. seq. JAN 0	4 2008
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: 12/28/07 Signature of Operator or Agent: For KCC Use ONLY API # 15 - 023 - 20909-0000 Conductor pipe required feet Minimum surface pipe required 370 feet per Alt 1 Approved by: 1-7-08 This authorization expires: 1-7-09 (This authorization void if drilling not started within months of approval date.) Spud date: Agent: Signature of Operator or the well shall be plugged. In all cases, NOTIFY district office prior to any cementing. In all cases, NOTIFY district office prior to any cementing. In all cases, NOTIFY district office prior to any cementing. Title: Sr. Regulatory Consultant 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:	3. The minimum amoun through all unconsoli 4. If the well is dry hole 5. The appropriate distr 6. If an ALTERNATE II	nt of surface pipe dated materials p , an agreement lict office will be r COMPLETION, p	as specified plus a minim between the notified befor production pi	d below shall be se num of 20 feet into the operator and the d re well is either plug ipe shall be cemente	t by circulating on the underlying form istrict office on pland ged or production and from below an	nation. ug length a n casing is o ny usable w	and placement is a cemented in; ater to surface wi	s surface pipe shaft be necessary prior to plethin 120 days of spuc	ugging;
For KCC Use ONLY API # 15 - 023 - 20909-0000 Conductor pipe required	must be completed w	vithin 30 days of	the spud da	te or the well shall-	oe plugged. <i>In a</i>	ii cases, N	OTIFY district of	ffice prior to any ceme	enting.
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API # 15 - 023 - 20909-0000 Conductor pipe required	<u></u>				Remember to):			
Conductor pipe required	For KCC Use ONLY API # 15 - 023-6		00		 File Complet 	ion Form A	CO-1 within 120 da	ays of spud date;	! !
This authorization expires:	Minimum surface pipe requ	uired 370)	~1/	- Notify approp	oriate distric	t office 48 hours p CP-4) after pluggi	orior to workover or re-e	entry;
Spud date: Agent: Signature of Operator or Agent: Signature or Signature	This authorization expires:	1-7-09	while Lawrence		- If this permit	has expired	d (See: authorized	expiration date) please	Ч
Spud date: Agent: Signature of Operator or Agent:	(i riis aumonzation void if dr.	ming not started Wil	<i>I</i> .	or approval date.)					ı
	Spud date:	Agent:_					•		N
	•				4 4		_		

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

Plat of acreage attributable to a well in a prorated or spaced field

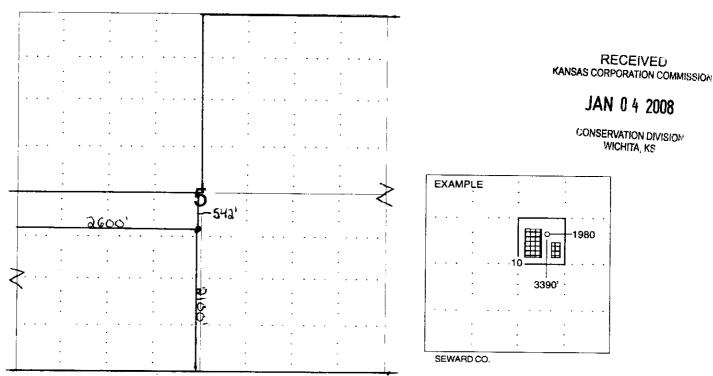
If the intended well is in a prorated or spaced field, please fully complete this side of the form. If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please 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 - 023-20909-0000	Location of Well: County: Cheyenne
Operator: Petroleum Development Corporation	2400
Lease: McCall	feet from N / V S Line of Section 2600 feet from E / V W Line of Section
Well Number: 23-5 Field: Cherry Creek Niobrara Gas Area	Sec. 5 Twp. 5 S. R. 40 East ✓ Wes
Number of Acres attributable to well: NA	ls Section: ☐ Regular or ✓ Irregular
QTR / QTR / QTR of acreage: N2 _ S2	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.)

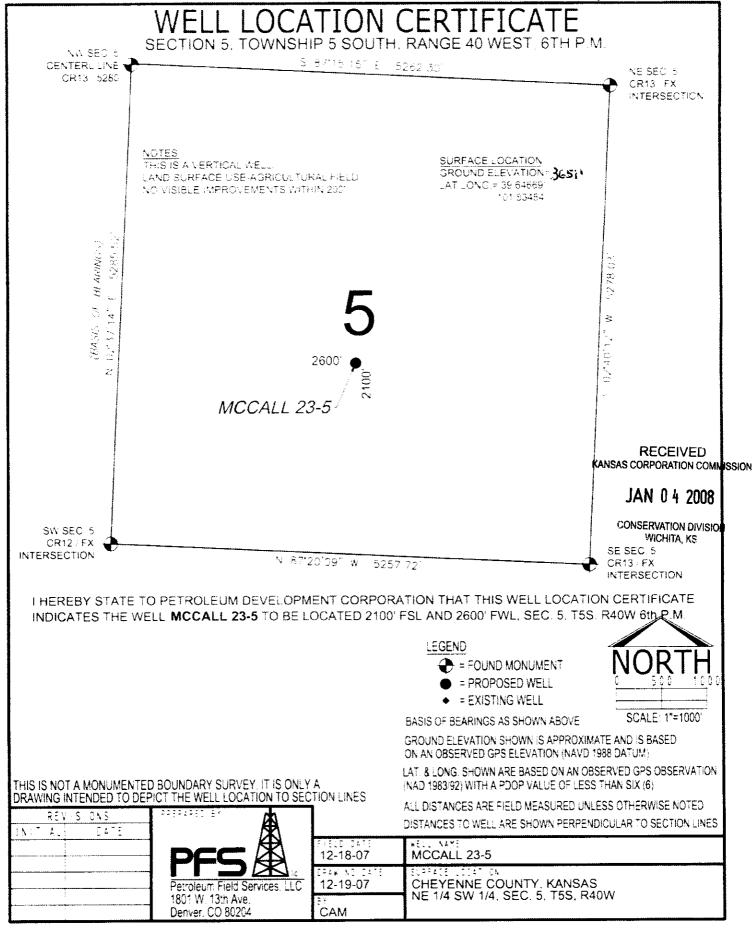


NOTE: In all cases locate the spot of the proposed drilling locaton.

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.
- 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).

15-023-20909-0000



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.: McCall 23-5			Pit Location (QQQQ):
Type of Pit:	Pit is:		<u>N2</u> <u>S2</u>
Emergency Pit Burn Pit	✓ Proposed	Existing	Sec. 5 Twp. 5S R. 40 ☐ East ✓ West
Settling Pit	If Existing, date o	onstructed:	2100 Feet from North / ✓ South Line of Section
Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled)	Pit capacity:		2600 Feet from East / 🗸 West Line of Section
(ii viii Gappiy Ai TNO. Gi Teal Dillied)	1200	(bbls)	<u>Cheyenne</u> 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? ✓ Yes No	Artificial Liner? ✓ Yes	No	How is the pit lined if a plastic liner is not used?
			Natural Clay/bentonite
Pit dimensions (all but working pits): 5			Width (feet) N/A: Steel Pits
	om ground level to de		(feet)
If the pit is lined give a brief description of the material, thickness and installation procedure		liner integrity, in	edures for periodic maintenance and determining notice and several monitoring.
NA		NA	RECEIVED
		' - '	KANSAS CORPORATION COMMI
			JAN 0 4 2008
Distance to nearest water well within one-mile	·		JAN 0 4 2008 west fresh water 218 feet. CONSERVATION DIVISION
3400feet		Depth to shallo Source of infor	JAN 0 4 2008 west fresh water 218 feet. CONSERVATION DIVISION
	270 feet	Depth to shallo Source of infor measu Drilling, Work	West fresh water 218 feet. WICHITA, KS with the well owner electric log ✓ KDWR over and Haul-Off Pits ONLY:
	270 feet	Depth to shallo Source of infor measu Drilling, Work	West fresh water 218 feet. WICHITA, KS WICHITA, KS well owner electric log ✓ KDWR Over and Haul-Off Pits ONLY:
3400 feet Depth of water well	270 feet	Depth to shallo Source of infor measu Drilling, Worke Type of material Number of wor	West fresh water 218 feet. WICHITA, KS WI
	270 feet	Depth to shallo Source of infor measu Drilling, Work Type of materia Number of work Abandonment	West fresh water 218 feet. WICHITA, KS WI
	270 feet	Depth to shallo Source of informeasu Drilling, Worke Type of materia Number of work Abandonment Drill pits must to	West fresh water 218 feet. WICHITA, KS WI
	270 feet	Depth to shallo Source of informeasu Drilling, Worke Type of materia Number of work Abandonment Drill pits must to	West fresh water 218 feet. CONSERVATION DIVISION WICHITA, KS WICHI
Emergency, Settling and Burn Pits ONLY: Producing Formation: Number of producing wells on lease: Barrels of fluid produced daily: Does the slope from the tank battery allow all flow into the pit? Yes No I hereby certify that the above state	270 feet	Depth to shallo Source of informeasu Drilling, Worke Type of material Number of work Abandonment Drill pits must be correct to the best	JAN 0 4 2008 west fresh water 218 feet. WICHITA, KS
Emergency, Settling and Burn Pits ONLY: Producing Formation: Number of producing wells on lease: Barrels of fluid produced daily: Does the slope from the tank battery allow all flow into the pit? I hereby certify that the above state	270 feet	Depth to shallo Source of informeasu Drilling, Worke Type of material Number of work Abandonment Drill pits must be correct to the best	West fresh water 218 feet. WICHITA, KS WI
Emergency, Settling and Burn Pits ONLY: Producing Formation: Number of producing wells on lease: Barrels of fluid produced daily: Does the slope from the tank battery allow all flow into the pit? Yes No I hereby certify that the above state	270 feet spilled fluids to	Depth to shallo Source of informeasu Drilling, Worke Type of material Number of work Abandonment Drill pits must be correct to the best	west fresh water 218 feet. WICHITA, KS WIC