

Well will not be drilled or Permit Expired Date: _

Signature of Operator or Agent:

For KCC	Use:	
Effective	Date:	
District #		
SGA?	Yes No	

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1163514

Form C-1

March 2010

Form must be Typed

Form must be Signed

All blanks must be Filled

NOTICE OF INTENT TO DRILL

Expected Spud Date:	Spot Description:
month day year	Sec Twp S. R 🔲 E 🔲 V
DPERATOR: License#	(0/0/0/0) feet from N / S Line of Section
Name:	feet from E / W Line of Section
ddress 1:	Is SECTION: Regular Irregular?
ddress 2:	(Note: Locate well on the Section Plat on reverse side)
State:	County:
Contact Person:	Lease Name: Well #:
hone:	Field Name:
CONTRACTOR: License#	Is this a Prorated / Spaced Field?
lame:	Target Formation(s):
Well Drilled For: Well Class: Type Equipment:	Nearest Lease or unit boundary line (in footage):
Oil Enh Rec Infield Mud Rotary	Ground Surface Elevation:feet MS
Gas Storage Pool Ext. Air Rotary	Water well within one-quarter mile:
Disposal Wildcat Cable	Public water supply well within one mile:
Seismic ; # of Holes Other	Depth to bottom of fresh water:
Other:	Depth to bottom of usable water:
If OWWO: old well information as follows:	Surface Pipe by Alternate: I II
	Length of Surface Pipe Planned to be set: Length of Conductor Pipe (if any):
Operator:	Projected Total Depth:
Well Name: Original Total Depth:	Formation at Total Depth:
Original Completion Date Original Total Deptil	Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore?	Well Farm Pond Other:
f Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	(Note: Apply for Permit with DWR)
CC DKT #·	
NOO DINT #	Will Cores be taken? YesN
OO DINI #	Will Cores be taken?N If Yes, proposed zone:
AFF	If Yes, proposed zone:
AFF The undersigned hereby affirms that the drilling, completion and eventual plu	If Yes, proposed zone:
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For KCC Use ONLY	
API # 15	-

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

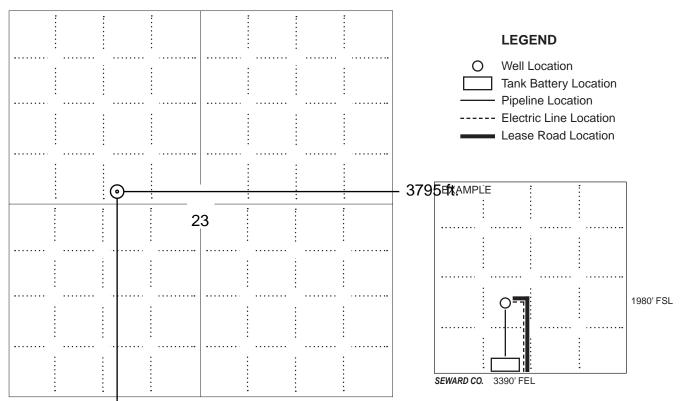
In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator:	Location of Well: County:
Lease:	feet from N / S Line of Section
Well Number:	feet from E / W Line of Section
Field:	Sec Twp S. R
Number of Acres attributable to well:	Is Section: Regular or Irregular
	If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW

PLAT

Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032).

You may attach a separate plat if desired.



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

2805 ft.

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 south / north and east / west outside section lines.
- 3. The distance to the nearest lease or unit boundary line (in footage).
- 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).
- 5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.



Kansas Corporation Commission Oil & Gas Conservation Division

1163514

Form CDP-1 May 2010 Form must be Typed

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name:		License Number:				
Operator Address:						
Contact Person:			Phone Number:			
Lease Name & Well No.:		Pit Location (QQQQ):				
Type of Pit:	Pit is:		¹			
Emergency Pit Burn Pit	Proposed	Existing	SecTwp R East West			
Settling Pit Drilling Pit	If Existing, date co	nstructed:	Feet from North / South Line of Section			
Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled)	Pit capacity:		Feet from East / West Line of Section			
		(bbls)	County			
Is the pit located in a Sensitive Ground Water A	rea? 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 N	No				
Pit dimensions (all but working pits):	Length (fe	et)	Width (feet)N/A: Steel Pits			
	om ground level to dee					
If the pit is lined give a brief description of the li material, thickness and installation procedure.	ner		dures for periodic maintenance and determining cluding any special monitoring.			
Distance to nearest water well within one-mile of	of pit:	Depth to shallowest fresh water feet. Source of information:				
feet Depth of water well	feet	measured well owner electric log KDWR				
Emergency, Settling and Burn Pits ONLY:		Drilling, Work	over and Haul-Off Pits ONLY:			
Producing Formation:		Type of material utilized in drilling/workover:				
Number of producing wells on lease:		Number of working pits to be utilized:				
Barrels of fluid produced daily:		Abandonment procedure:				
Does the slope from the tank battery allow all s flow into the pit? Yes No	pilled fluids to	Drill pits must be closed within 365 days of spud date.				
Submitted Electronically						
	ксс	OFFICE USE O	NLY Liner Steel Pit RFAC RFAS			
Date Received: Permit Num	her·	Permi	t Date: Lease Inspection: Yes No			



1163514

Form KSONA-1
July 2010
Form Must Be Typed
Form must be Signed
All blanks must be Filled

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application).

Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: C-1 (Intent) CB-1 (C	Cathodic Protection Borehole Intent)
OPERATOR: License #	Well Location:
Name:	SecTwpS. R
Address 1:	County:
Address 2:	Lease Name: Well #:
City: State: Zip:+	If filing a Form T-1 for multiple wells on a lease, enter the legal description of
Contact Person:	the lease below:
Phone: () Fax: ()	
Email Address:	
Surface Owner Information:	
Name:	When filing a Form T-1 involving multiple surface owners, attach an additional
Address 1:	sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the
Address 2:	county, and in the real estate property tax records of the county treasurer.
City: State: Zip:+	
the KCC with a plat showing the predicted locations of lease roads, tank	dic Protection Borehole Intent), you must supply the surface owners and batteries, pipelines, and electrical lines. The locations shown on the plat in the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.
I certify that, pursuant to the Kansas Surface Owner Notice Adowner(s) of the land upon which the subject well is or will be lo CP-1 that I am filing in connection with this form; 2) if the form b form; and 3) my operator name, address, phone number, fax, are	ct (House Bill 2032), I have provided the following to the surface potential: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form being filed is a Form C-1 or Form CB-1, the plat(s) required by this and email address. 1) cknowledge that, because I have not provided this information, the
KCC will be required to send this information to the surface ow	ner(s). To mitigate the additional cost of the KCC performing this fee, payable to the KCC, which is enclosed with this form.
If choosing the second option, submit payment of the \$30.00 handling form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1	fee with this form. If the fee is not received with this form, the KSONA-1 1 will be returned.
Submitted Electronically	

2	
50.4	

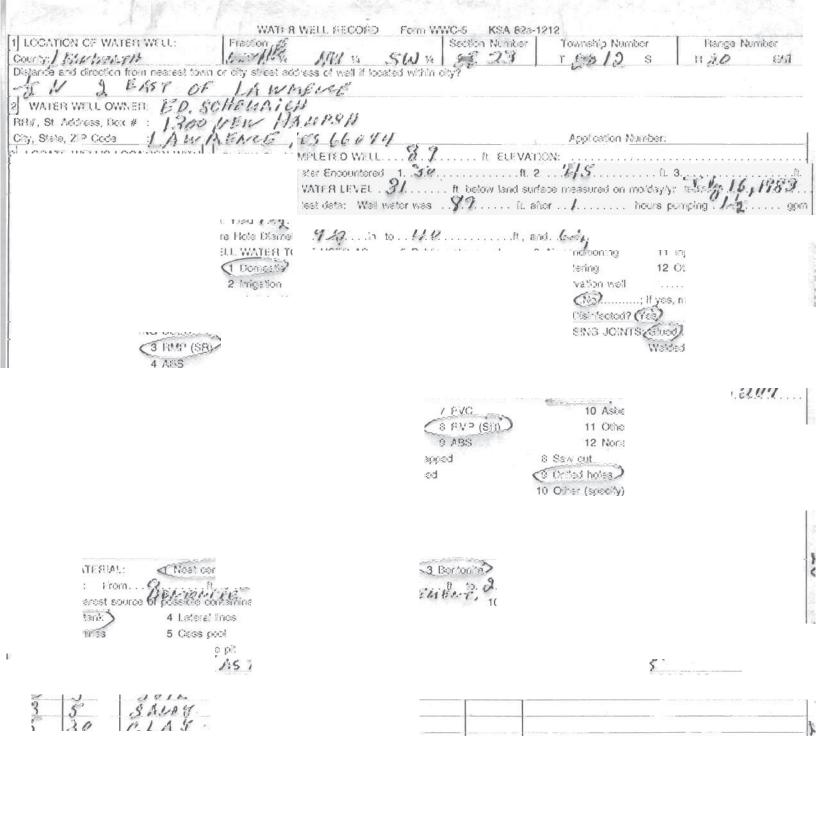
KGS Water Well Database Query

Scan of WWC5 Form

		WA	TER WELL RE	CORD	Form 1	WWC-5	KSA 82a	.1010 1	D No.			
1 LOCA	TION OF WA	TER WELL:	Fraction	00110	T Gilli	1110-5		ction Numb		rnship Number	-	Range Number
	davenwor		SE M	SW	56	NW 14		23	Т Т	12 5		R 20E E/W
Distance a	and direction	from nearest tov	wn or city street	address	of well it	located w	ithin city?					A ZUE DW
6 3/4 1	West Lir	wood										
		NER Gerald										
City, State	, ZIP Code	: Eudora,	, Ks. 6602	25					Ap	plication Numb	er:	rision of Water Resources
3 LOCATE	WELL'S LC	CATION WITH	4 DEPTH OF	COMPLE	TEO WE	LLXX	105!	ft. ELE	EVATION:			
AN "X" I	N SECTION	BOX:	Depth(s) Grou	ndwater 8	Encount	ered 1			ft. 2		ft. 3	-6-03fl.
	1 1	,	WELL'S STAT	IC WATE	RLEVE	L 20	ft. bel	ow land su	rface measure	ed on mo/day/y	r8=	-6-03 mpinggpm
	1		Est. Yield 15	mp iesi c	om: W	rell water i	vasvas		ft after	noi	irs pur	npinggpm mpinggpm
	-NW	- NE	WELLWATER	TOBEL	ISED AS	5; 5 Pt	iblic water	supply	8 Air con	ditioning	11 Inje	ction well
w	x	- E	1 Domestic			6 0	field wate	r supply	9 Dewat	ering	12 Oth	nor (Specify below)
W			z imganon	4 1	nousina	/ / /	omestic (la	wn & garoe	n) 10 Monto	ring well		
-	-sw	- SE	Was a showle	al/hantad	alaalaal	namela a		n		. v .		/day/yrs sample was sub-
	1		mitted	avuacien	ological	sample su	Omitted to	Departmer		io; ir yi isinfected? Ye		
5 TYPE	OF BLANK	CASING USED:		5 11/ros	ught iron		8 Concr	ata tila		INC. IONTO		XClamped
1 Stee	el	3 RMP (SF	3)		stos-Co			(specify be				5
2.PV0	2_	4 ABS		7 Fiber	roless						Theore	lad
Blank casi	ng diameter	5"	in. to		ft	., Dia		in. to		ft., Dia		i258t
thrasing in	ignit above to	uro suriace	4.E	in.,	weight	2	.94		lbs./ft. Wa	II thickness or	guage	No
1 Ste		R PERFORATIO 3 Stainless		5 Fibe			7 PV	rc AP (Sh)		10 Asbestos-		
2 Bra		4 Galvaniz			rgiass crete tile	,	9 AE			12 None use		hole)
SCREEN	OR PERFOR	RATION OPENIN	IGS ARE:			5 Guaras	i wrapped		_8_Saw			11 None (open hole)
	tinuous slot		ill slot			6 Wire w			9 Drille		9	i rvone (open noie)
2 Lou	vered shutte	r 4 Ki	ey punched			7 Torch c						ft.
SCREEN-	PERFORAT	ED INTERVALS:	From	65'		t. to	105'	ft., Fr	rom mor		ft. to	tı.
	GRAVEI PA	CK INTERVALS:	From25	· · · · · · · · · · · · · · · · · · ·	f	t. to	TOST	ft., Fr	om mo		t. to	1. 1.
2	OFFICEFA	OK INTERVALO.	From		1	L to		ft., Fr	om		1. 10 t to	
_	JT MATERIA	L: 1 Neat	cement	2 Ce	ment gr	rout	3.Ben	topite	4 Other			
	rvals: From	urce of possible	ft. to4	2	t., From		fl. 1	0	fl., Fre	om		fl. toft.
	e nearest so die tank	4 Later							vestock pens			andoned water well
	vor lines	5 Cess				Pit privy			iel storage			well/Gas well
324722233		r lines 6 Seep	•			ewage lag eedyard	joon		ertilizer storage secticide stora			er (specify below)
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7	9	clay oran										
9	17	yellow cl										
17	23	brown fin	e sand									
23	29	yeloow_cl										
29	35	grey clay										
35 36	36 23x43	grey shal	se sand b	rown								
						-						
48	57	brown san	ly sandst	one			-					
57	60	grey sand					_					
	67					-	40.00					
67	71	gréy sand brown gré	y sandsto	nei		-			-			
71	105	grey sand									_	
7 CONTR	ACTOR'S O	R LANDOWNER	R'S CERTIFICA	TION: Th	is water	well was	(1) constn	cted (2) s	econstructed	or (3) phonor	under	my jurisdiction and was
completed of	on (mo/day/y	ear) 8-7-0	3		water	aren mas	(3) Population	and this	s record is to us	to therbest of m	w know	my junisdiction and was yiedge and belief. Kansas
Water Well	Contractor's	Licence No	182		This	Water W	ell Record	was compl	eted on (ma/d	(yr) 1.8-7	-03/	vledge and belief. Kansas
under the b	usiness nam	e of STRADE	R DRILLIN	G CO.	INC		25 266	t	y (signature)	1000	18	slopan
and Enviro	nment, Bureau o	writer or ball point per	PLEASE PRESS F	TRMLY and A	PRINT clea	rly. Piease fil ka, Kansas 66	in blanks, und 612-1367. Ter	letine or circle lephone 785-21	the correct answer 96-5522. Send one	to WATER WELL C	Spies to I	Kansas Department of Health and retain one for your
										-		

Kansas Geological Survey Comments to webadmin@kgs.ku.edu URL=http://www.kgs.ku.edu/Magellan/WaterWell/index.html Display Programs Updated July 29, 2004 Data added continuously.

				WELL RECORD	Form WWC-5	KSA 82a-			
	ON OF WAT		Fraction	NE CT-7		ion Number	Township		Range Number
	LEAVENWO		NW 1/4	NE 1/4 SW	74	23	T 12	S	R ²⁰ E/W
Distance a	na airection	from nearest town o							
				west of Fal	T rear				
_	R WELL OW		E. Davis						
	Address, Box		Box 242				Board of	Agriculture, D	ivision of Water Resources
	, ZIP Code		e, KS 660					on Number:	
3 LOCATE	E WELL'S LO IN SECTION	DCATION WITH 4 BOX:	DEPTH OF COM	APLETED WELL	12 92-112	ft. ELEVA	TION:		
- L	1								7–24–90
1	- i								nping gpm
-	- NW	NE							
!	!								nping gpm to ft.
* w -	1 1			BE USED AS:					
-	X	i I I WE	1 Domestic				8 Air conditionir	0	•
-	- SW	SE					_		Other (Specify below)
	1 1	1 1	2 Irrigation		-	-			
<u>t</u>				teriological sample s	ubmitted to De	-			mo/day/yr sample was sub-
E TYPE O)E DI ANIK C	ASING USED:		Méranaha Inga			ter Well Disinfed		
				-					XClamped
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		4 ABS		Fiberglass					ded
		-							n. to ft.
			-	., weight 28					0 . 2 5.8
		R PERFORATION M			7 PV			sbestos-cemer	
1 Ste		3 Stainless ste		Fiberglass		P (SR)			
2 Bra		4 Galvanized	_	Concrete tile	9 ABS			one used (ope	,
		ATION OPENINGS			ed wrapped				11 None (open hole)
	ntinuous slot				wrapped		9 Drilled holes		
	uvered shutte		ounched 69	7 Torch			10 Other (spec	ify)	
SCHEEN-F	PERFORATE								o
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G	SHAVEL PAG	OK INTERVALS:		γπ. το	+ + +	π., Fror	m	π. το	
			Erom	4 40		4		£4 4.0	
6 CROUT	MATERIAL		From	ft. to	2 Panta	ft., Fron		nlua ft. to	
		: 1 Neat ceme	ent 2	Cement grout	3 Bento	nite 4	Other Hole	plug	
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anso No. 11.9. 118. 2.8.3.

anso No. 11.9.

IN 14 N. B. B. A. M. B. M. oriter of ball point pen, FLLASE PRES

artment of Health and Environment. Dir

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

October 17, 2013

JIM MIETCHEN Heavy Oil Treatment Solutions, LLC 1513 MUSTANG DR BALDWIN CITY, KS 66006

Re: Notice of Intent to Drill
MINI-FARM 15
NW/4 Sec.23-12S-20E
Leavenworth County, Kansas

Dear Mr. Mietchen:

Records indicate that three domestic water wells are located less than 660 feet from this proposed location. Eastern Kansas Surface Casing Order #133,891-C for Area 3, paragraph 2 states, "No well shall be drilled closer than 660 feet of an existing domestic or municipal water well without written owner notification, a copy of which must be attached to the drilling intent form during filing. Special casing and cementing requirements may be imposed in those areas producing fresh and usable water."

Please provide us with a copy of the owner notification to further the processing of your notice of intent to drill. Copies of the water well records are attached.

I may be contacted at 316-337-6200 if you need additional information.

Rick Hestermann Production Department

Heavy Oil Treatment Solutions, LLC 1513 Mustang Drive Baldwin City, Kansas 66006 785-594-7100

e-mail: heavyoilsolutions@yahoo.com

October 17, 2013

Gerald & Judy Hundley 25314 Mackey Road Lawrence, Kansas 66044

Dear Gerald & Judy:

In Making application for drilling intents for the Mini-Farm wells # 15 and # 16, the Kansas Corporation Commission has determined that these wells are within 660' of a residential water well on your property in Section 23, Township 12 S., Range 20 E., Leavenworth County.

State regulations require me to provide you notice of my intent to drill these wells, since they fall within the 660 foot requirement. The proposed location of these wells are 2805' North from the southeast corner of Section 23 and 3795' west from the southeast corner of section 23 for well # 15, and 3135' north from the southeast corner and 3795' west from the southeast corner of section 23, for well # 16.

We adhere strictly to both State and Federal guidelines and regulations regarding the protection of all fresh water supplies in the drilling of all of our wells.

If you have any concerns or issues with the drilling of these wells, or find that either location is beyond the 660' requirement, please contact me at the address above or call my office number at 785-594-7100 or my cell phone at 913-850-4100.

Thank you.

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Jim Mietchen

Heavy Oil Treatment Solutions, LLC 1513 Mustang Drive Baldwin City, Kansas 66006 785-594-7100

e-mail: heavyoilsolutions@yahoo.com

October 17, 2013

Ed Scheurich 18641 Stairstep Road Lawrence, Kansas 66044

Dear Mr. Scheurich:

In Making application for drilling intents for the Mini-Farm wells # 15 and # 16, the Kansas Corporation Commission has determined that these wells are within 660' of a residential water well on your property in Section 23, Township 12 S., Range 20 E., Leavenworth County.

State regulations require me to provide you notice of my intent to drill these wells, since they fall within the 660 foot requirement. The proposed location of these wells are 2805' North from the southeast corner of Section 23 and 3795' west from the southeast corner of section 23 for well # 15, and 3135' north from the southeast corner and 3795' west from the southeast corner of section 23, for well # 16.

We adhere strictly to both State and Federal guidelines and regulations regarding the protection of all fresh water supplies in the drilling of all of our wells.

If you have any concerns or issues with the drilling of these wells, or find that either location is beyond the 660' requirement, please contact me at the address above or call my office number at 785-594-7100 or my cell phone at 913-850-4100.

Thank you.

Coldially,

Jim Mietchen

Heavy Oil Treatment Solutions, LLC 1513 Mustang Drive Baldwin City, Kansas 66006 785-594-7100

e-mail: heavyoilsolutions@yahoo.com

October 17, 2013

Jacinta Davis Rt. 4 Box 242 Lawrence, Kansas 66044

Dear Mrs. Davis:

In Making application for drilling intents for the Mini-Farm wells # 15 and # 16, the Kansas Corporation Commission has determined that these wells are within 660' of a residential water well on your property in Section 23, Township 12 S., Range 20 E., Leavenworth County.

State regulations require me to provide you notice of my intent to drill these wells, since they fall within the 660 foot requirement. The proposed location of these wells are 2805' North from the southeast corner of Section 23 and 3795' west from the southeast corner of section 23 for well # 15, and 3135' north from the southeast corner and 3795' west from the southeast corner of section 23, for well # 16.

We adhere strictly to both State and Federal guidelines and regulations regarding the protection of all fresh water supplies in the drilling of all of our wells.

If you have any concerns or issues with the drilling of these wells, or find that either location is beyond the 660' requirement, please contact me at the address above or call my office number at 785-594-7100 or my cell phone at 913-850-4100.

Thank you.

(MA.

Jim Mietchen

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

November 01, 2013

JIM MIETCHEN Heavy Oil Treatment Solutions, LLC 1513 MUSTANG DR BALDWIN CITY, KS 66006

Re: Drilling Pit Application
MINI-FARM 15
NW/4 Sec.23-12S-20E
Leavenworth County, Kansas

Dear JIM MIETCHEN:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed **without slots**, the bottom shall be flat and reasonably level, and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as practical after drilling operations have ceased.

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (620) 432-2300 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, through KOLAR within 30 days of fluid removal.

A copy of this letter should be posted in the doghouse along with the approved Intent to **Drill**. If you have any questions or concerns please feel free to contact the District Office at (620) 432-2300.