

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

1113227

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
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: Zip: +	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:
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SEWARD CO. 3390' FEL

1980' FSL

For KCC Use ONLY	
API # 15	-

Operator: _

2290 ft.

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.

Location of Well: County: __

Lease:		feet from N / S Line of Section
Well Number:		feet from E / W Line of Section
Field:		SecTwpS. R 🗌 E 🔲 W
Number of Acres attributable to well:		s Section: Regular or Irregular
		f Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW
	•	or unit boundary line. Show the predicted locations of If by the Kansas Surface Owner Notice Act (House Bill 2032). The plat if desired.
		LEGEND
		Electric Line Location Lease Road Location
		EXAMPLE

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

1100 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

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:	of Pit: Pit is:		
Emergency Pit Burn Pit	Proposed Existing		SecTwpR
Settling Pit Drilling Pit	Drilling Pit If Existing, date construct		Feet from North / South Line of Section
Workover Pit Haul-Off Pit	Pit capacity:		Feet from East / West Line of Section
(If WP Supply API No. or Year Drilled)		(bbls)	County
Is the pit located in a Sensitive Ground Water A	rea? Yes	No	Chloride concentration: mg/l
To the processing in a content of country training			(For Emergency Pits and Settling Pits only)
Is the bottom below ground level? Yes No	Artificial Liner? Yes N	No	How is the pit lined if a plastic liner is not used?
			NAC data (for a)
Pit dimensions (all but working pits):	Length (feet)	,	Width (feet) N/A: Steel Pits No Pit
If the pit is lined give a brief description of the li			dures for periodic maintenance and determining
material, thickness and installation procedure.			cluding any special monitoring.
Distance to nearest water well within one-mile	of pit:	Depth to shallo Source of inforr	west fresh water feet. nation:
feet Depth of water wellfeet		measured	well owner electric log KDWR
Emergency, Settling and Burn Pits ONLY:		Drilling, Work	ver and Haul-Off Pits ONLY:
Producing Formation:		Type of materia	l utilized in drilling/workover:
Number of producing wells on lease:		Number of worl	king pits to be utilized:
Barrels of fluid produced daily:		Abandonment p	procedure:
Does the slope from the tank battery allow all s flow into the pit? Yes No	pilled fluids to	Drill nite must h	e closed within 365 days of spud date.
illow into the pit? Yes I No			
Submitted Electronically			
	KCC	OFFICE USE O	NLY
	11.00	513 2 332 0 1	Liner Steel Pit RFAC RFAS
Date Received: Permit Num	ber:	Permi	t Date: Lease Inspection: Yes No



1113227

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.

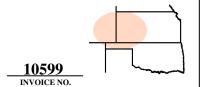
Select the corresponding form being filed: C-1 (Intent) CB-1 (C	Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)
OPERATOR: License #	Well Location:
Name:	SecTwpS. R 🔲 East 🗌 West
Address 1:	County:
Address 2:	Lease Name: Well #:
City:	If filing a Form T-1 for multiple wells 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:	
the KCC with a plat showing the predicted locations of lease roads, tank	dic Protection Borehole Intent), you must supply the surface owners and a 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.
Select one of the following:	
owner(s) of the land upon which the subject well is or will be loce CP-1 that I am filing in connection with this form; 2) if the form the form; and 3) my operator name, address, phone number, fax, and I have not provided this information to the surface owner(s). I an KCC will be required to send this information to the surface owner(s).	cknowledge that, because I have not provided this information, the ner(s). To mitigate the additional cost of the KCC performing this
task, I acknowledge that I am being charged a \$30.00 handling 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-	fee with this form. If the fee is not received with this form, the KSONA-1
Submitted Electronically	



Pro-Stake LLC

Oil Field & Construction Site Staking

P.O. Box 2324 Garden City, Kansas 67846 Office/Fax: (620) 276-6159 Cell: (620) 272-1499



282718L

Unruh "D" #1-21 **Strata Exploration** LEASE NAME OPERATOR 1100' FSL - 2290' FWL Kiowa Co, KS 21 27s 18w LOCATION SPOT COUNTY Sec. Twp. GR. ELEVATION: 1" = 1000' SCALE: Jan. 11th, 2013 **Directions**: From approx. 1 ½ miles West of Greensburg Ks. at the DATE STAKED: intersection of Hwy 183 and Hwy 54 - Now go 2.8 miles North on Ben R. MEASURED BY: Hwy 183 – Now go 1.5 mile East on G St – Now go 2 miles North DRAWN BY: Drew H. which is 0.5 mile East of the of SW corner section of 21-27s-18w -AUTHORIZED BY: Bobby K. Now go 0.2 mile North on 30th Ave to ingress stake West into - Now go approx. 350' West though crp into staked location. This drawing does not constitute a monumented survey or a Final ingress must be verified with land owner or Operator.

land survey plat This drawing is for construction purposes only 17 16 15 16 20 21 21 22 Landowner contact info: Don Unruh 620-546-4891 -----Unruh "D" #1-21 1100' FSL - 2290' FWL 30th Ave 2190.7' = gr. elev. at staked loc. (sand) Lat. = N37° 40' 40.896" Long. = W99° 17' 48.024" I staked location with 7' wood (painted orange and blue) and t-post nat gas pipeline 800-324-9696 Location falls in crp While standing at staked location looking 150' in all directions has 1' to 3' bumps crp ingress stake 0 West into crp 31st Ave (trail) 20 21 22 ESt (sand) 29 28 28 27

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: HERMAN L. LOEB, LLC Lease: Unruh 10" Well Number: 1-21 1100		
Well Number: 1-21 Sec 21	Operator: HERMAN L. LOEB, LLC	Location of Well: County: Kiowa
Number of Acres attributable to well: OTR/QTR/QTR of acreage: NW - NF - SE - SW. Is Section: Regular or Irregular If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW RLAT 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. LEGEND O Well Location Tank Battery Location Pipeline Location Electric Line Location Lease Road Location	Lease: Unruh 'D'	isst itsiii
Number of Acres attributable to well: OTRICATR/QTR of acreage: NW - NF - SE - JSW	Well Number: 1-21	lost from to Y w Eine of occiton
Show location of the well. Show footage to the newest testes 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. LEGEND Well Location — Pipeline Location — Pipeline Location — Electric Line Location — Lease Road Location EXAMPLE 1980'FSL	Field: unnamed	Sec 21 Twp. 27 S. R. 18 E W
If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW Show location of the well. Show footage to the nearest tests 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 mily attach a separate plat if desired. LEGEND Owell Location	Number of Agree attributable to well	<u>_</u> _
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O Well Location Tank Battery Location — Pipeline Location — Electric Line Location — Lease Road Location EXAMPLE 7 21	You may attach a sepa	arate plat if desired.
O Well Location Tank Battery Location — Pipeline Location — Electric Line Location — Lease Road Location EXAMPLE 7 21		
O Well Location Tank Battery Location — Pipeline Location — Electric Line Location — Lease Road Location EXAMPLE 7 21		
Tank Battery Location — Pipeline Location — Electric Line Location — Lease Road Location EXAMPLE 1980' FSL	\ \\\	LEGEND
Tank Battery Location — Pipeline Location — Electric Line Location — Lease Road Location EXAMPLE 1980' FSL		Wall Location
Pipeline Location ——Electric Line Location ——Lease Road Location EXAMPLE 1980' FSL		•
EXAMPLE Example 1980' FSL		: 1
EXAMPLE 1980' FSL		
EXAMPLE 1980' FSL		
21 1980'FSL		Eease Noad Location
21 1980' FSL		:
21 1980' FSL		EVAMBI'E : :
1980' FSL		EXAMPLE :
1980' FSL	21	
	/ (
2290 ft.		. 0-1 1980' FSL
	2290 ft.	
SEWARD CO 3300' FEI		SEMADO CO COORSES

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

1100 ft.

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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

February 01, 2013

Jesse Middagh HERMAN L. LOEB, LLC PO BOX 838 LAWRENCEVILLE, IL 62439

Re: Drilling Pit Application Unruh 'D' 1-21 SW/4 Sec.21-27S-18W Kiowa County, Kansas

Dear Jesse Middagh:

District staff has inspected the above referenced location and has determined that an unsealed condition will present a pollution threat to water resources.

District staff has recommended that the reserve pit be lined with bentonite or native clay, constructed <u>without slots</u>, 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 the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again 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) 225-8888 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) 225-8888.