

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

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1088829

Form C-1

March 2010

Form must be Typed

Form must be Signed

All blanks must be Filled

# **NOTICE OF INTENT TO DRILL**

	e (5) days prior to commencing well Surface Owner Notification Act, MUST be submitted with this form.
Expected Spud Date:	Spot Description:
month day year	
	(Q/Q/Q/Q) Section N / S Line of Section
OPERATOR: License#	feet from E / W Line of Section
Name:	Is SECTION: Regular Irregular?
Address 1:	
Address 2: State: Zip: +	(Note: Locate well on the Section Plat on reverse side)
Contact Person:	County:
Phone:	Lease Name: Well #:
CONTRACTOR: Lineary	Field Name:
CONTRACTOR: License#	Is this a Prorated / Spaced Field?
Name:	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 MSL
Gas Storage Pool Ext. Air Rotary	Water well within one-quarter mile:
Disposal Wildcat Cable	Public water supply well within one mile: Yes No
Seismic ;# of Holes Other	Depth to bottom of fresh water:
Other:	Depth to bottom of usable water:
	Surface Pipe by Alternate: II II
If OWWO: old well information as follows:	Length of Surface Pipe Planned to be set:
Operator:	Length of Conductor Pipe (if any):
Well Name:	Projected Total Depth:
Original Completion Date: Original Total Depth:	Formation at Total Depth:
	Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore?  Yes No	Well Farm Pond Other:
If Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	( <b>Note:</b> Apply for Permit with DWR )
KCC DKT #:	Will Cores be taken?
	If Yes, proposed zone:
AE	EIDAVIT
The undersigned hereby affirms that the drilling, completion and eventual pl	FIDAVIT
	ugging of this well will comply with K.S.A. 55 et. seq.
It is agreed that the following minimum requirements will be met:	
<ol> <li>Notify the appropriate district office <i>prior</i> to spudding of well;</li> </ol>	
2. A copy of the approved notice of intent to drill <b>shall be</b> posted on each	5 5,
<ol><li>The minimum amount of surface pipe as specified below shall be set through all unconsolidated materials plus a minimum of 20 feet into the</li></ol>	
	strict office on plug length and placement is necessary <b>prior to plugging</b> ;
5. The appropriate district office will be notified before well is either plug	, , , , , , , , , , , , , , , , , , , ,
11 1	ed from below any usable water to surface within 120 DAYS of spud date.
	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 b	e plugged. In all cases, NOTIFY district office prior to any cementing.
Submitted Electronically	
	Remember to:
For KCC Use ONLY	- File Certification of Compliance with the Kansas Surface Owner Notification
API # 15	Act (KSONA-1) with Intent to Drill;
Conductor pipe requiredfeet	- File Drill Pit Application (form CDP-1) with Intent to Drill;
	- File Completion Form ACO-1 within 120 days of spud date;
Minimum surface pipe requiredfeet per ALTIII	- File acreage attribution plat according to field proration orders;
Approved by:	Notify appropriate district office 48 hours prior to workover or re-entry;
This authorization expires:	<ul> <li>Submit plugging report (CP-4) after plugging is completed (within 60 days);</li> </ul>
(This authorization void if drilling not started within 12 months of approval date.)	- Obtain written approval before disposing or injecting salt water.

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Spud date: \_

 If well will not be drilled or permit has expired (See: authorized expiration date) please check the box below and return to the address below.

Well will not be drilled or Permit Expired	Date:	
Signature of Operator or Agent:		

m

Side Two



For KCC Use ONLY
API # 15

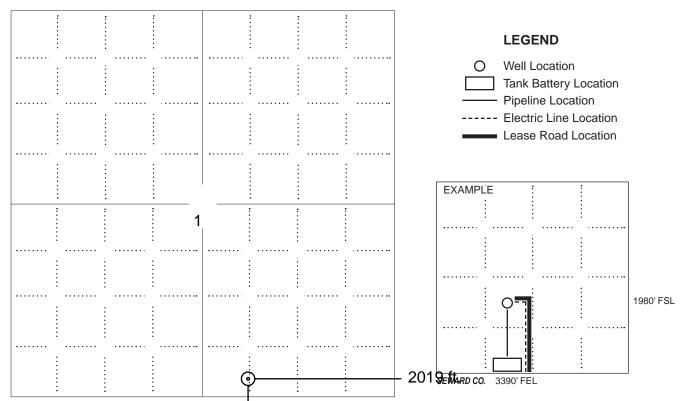
#### IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

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:	SecTwpS. R 🗌 E 🔲 W
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
_	N AT
۲	PLAT
Show location of the well. Show footage to the nearest	lease or unit boundary line. Show the predicted locations of
lease roads tank hatteries ninelines and electrical lines as re	quired by the Kansas Surface Owner Notice Act (House Bill 2032)

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.

#### 249 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

088829

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:  Emergency Pit Burn Pit  Settling Pit Drilling Pit  Workover Pit Haul-Off Pit  (If WP Supply API No. or Year Drilled)  Is the pit located in a Sensitive Ground Water A		Existing  nstructed:  (bbls)	SecTwpRBastWest West Bast West West Line of Section Feet from East / West Line of Section County County mg/l mg/l (For Emergency Pits and Settling Pits only)
Is the bottom below ground level?	Artificial Liner?  Yes  N	10	How is the pit lined if a plastic liner is not used?
Pit dimensions (all but working pits):Length (fee			Width (feet)
If the pit is lined give a brief description of the li material, thickness and installation procedure.	ilei		dures for periodic maintenance and determining scluding any special monitoring.
		Depth to shallo Source of inforr	west fresh water feet. nation:
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 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 spilled fluids to flow into the pit? Yes No		·	e closed within 365 days of spud date.
Submitted Electronically			
	KCC	OFFICE USE O	NLY Liner Steel Pit RFAC RFAS
Date Received: Permit Num	ber:	Permi	t Date: Lease Inspection: Yes No



## Kansas Corporation Commission Oil & Gas Conservation Division

1088829

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).

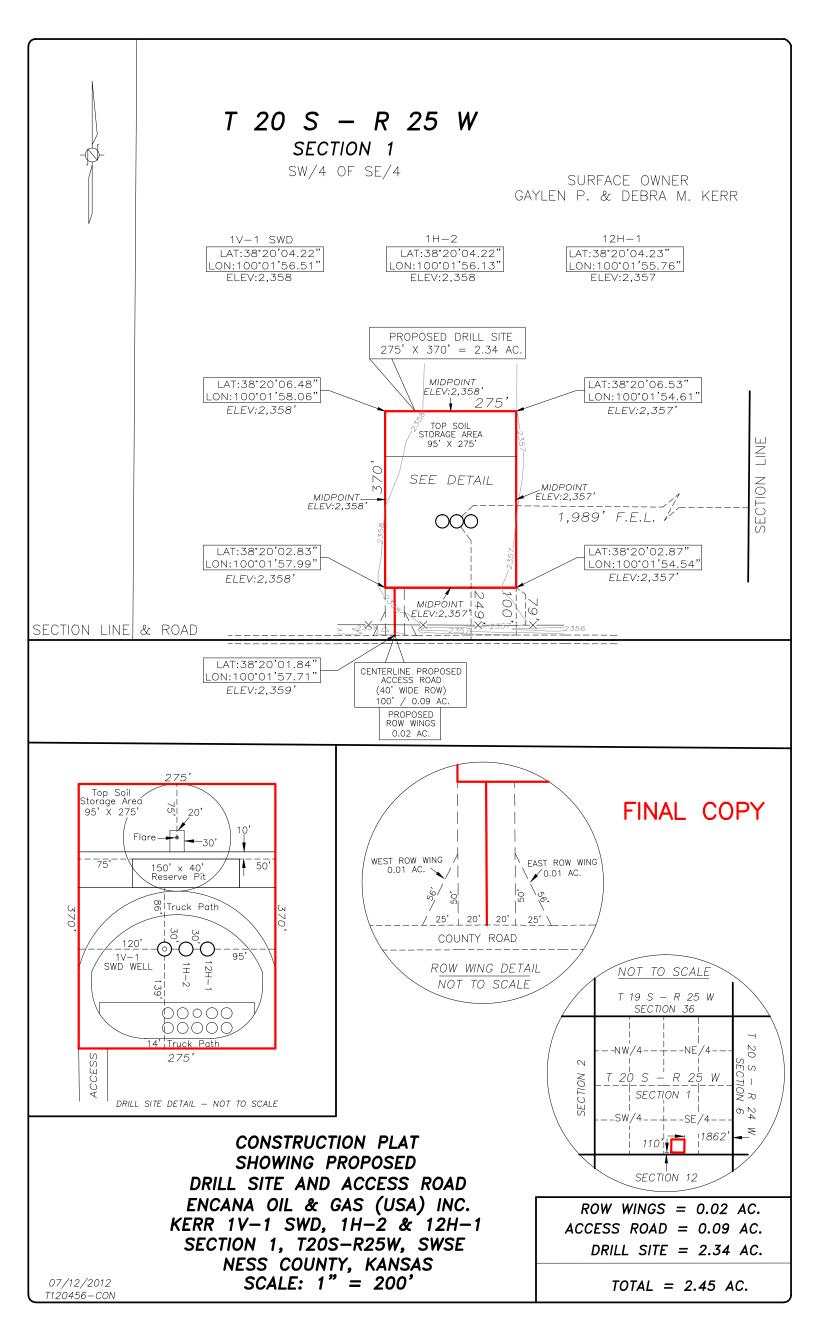
Any such form submitted without an accompanying Form KSONA-1 will be returned.

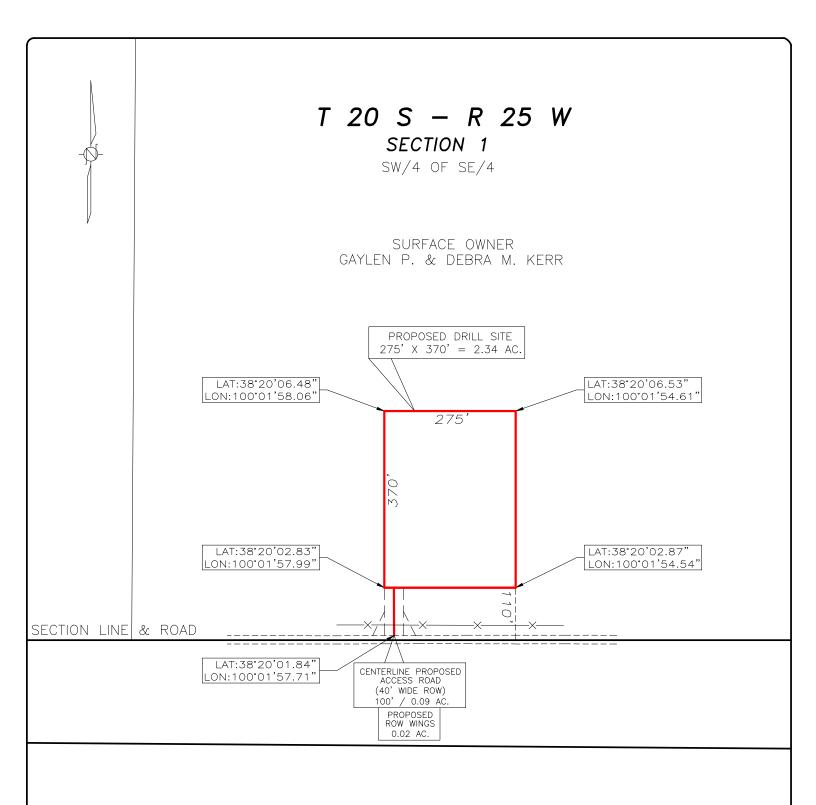
Select the corresponding form being filed: C-1 (Intent) CB-1 (CB-1)	Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)		
OPERATOR: License #	Well Location:		
Name:	SecTwpS. R East		
Address 1:	County:		
Address 2:	Lease Name: Well #:		
City: State: Zip:+	If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:		
Contact Person:			
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 k batteries, pipelines, and electrical lines. The locations shown on the plat n 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 A owner(s) of the land upon which the subject well is or will be to CP-1 that I am filing in connection with this form; 2) if the form to form; and 3) my operator name, address, phone number, fax, at ☐ I have not provided this information to the surface owner(s). I at KCC will be required to send this information to the surface owner(s).	cknowledge that, because I have not provided this information, the vner(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			

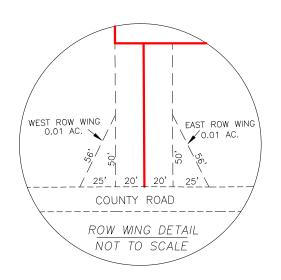
THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY, DISTANCES, COORDINATES AND BEARINGS SHOWN ARE NOT INTENDED TO BE DEFINITIVE IN ESTABLISHING ACTUAL TITLE BOUNDARY. THIS DRAWING IS FOR CONSTRUCTION PURPOSES ONLY. All Bearings, Distances, and Coordinates shown hereon are based on the Kansas State Plane Coordinate System, N.A.D. 27 Datum, South Zone. **PROPOSED** SURFACE LOCATION 2,019' FEL & 249' FSL OF SECTION 1 C.L./INT. LAT:38.348354 LAT: 38.334505 LON: -100.032364 X: 1,560,467 SPIKE NL.F. LAT:38.348403 LON:-100.025462 X:1,562,529 LON:-100.043891 X:1,557,244 Y:616,004 Y: 610,907 ELEV: 2,358 Y:615,935 35 36 36 31 6 NW/4 NE/4 T 20 S-R 25 W Grid North SECTION 1 480 ACRE UNIT SW/4 SE/4 C.L./INT. LAT:38.333673 LON:-100.043788 -X:1,557,185 Y:610,658 C.L./INT. LAT:38.333913 LON:-100.025321 X:1,562,484 Y:610,658 PROPOSED SURFACE LOCATION 2,019 2 12 249 11 12 = UNIT LINE FINAL COPY PROPOSED WELL LOCATION ENCANA OIL & GAS (USA) INC. KERR 1V-1 SWD

NESS COUNTY, KANSAS SCALE: 1" = 1000"

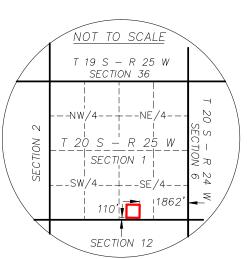
T120456-1H-1-SWD







FINAL COPY



LAND USE PLAT
SHOWING PROPOSED

DRILL SITE AND ACCESS ROAD
ENCANA OIL & GAS (USA) INC.
KERR 1V-1 SWD, 1H-2 & 12H-1
SECTION 1, T2OS-R25W, SWSE
NESS COUNTY, KANSAS
SCALE: 1" = 200'

ROW WINGS = 0.02 AC. ACCESS ROAD = 0.09 AC. DRILL SITE = 2.34 AC.

TOTAL = 2.45 AC.

07/12/2012 T120456-LU

# memo



To: Sharon Cook

cc:

From: Aaron Tenenholz

Subject: Kerr 1H-2 Lease Acreage Summary, 20S-25W, Ness County, KS

Sharon,

There is one (1) lease in which Encana Oil & Gas (USA) Inc. is the current lessee that covers 480 acres within the planned unit boundary of the above referenced well.

The proposed unit will be the North Half and Southeast Quarter of Section 1, T20S-R25W in Ness County, Kansas and will be a total of 480 acres, more or less.

The lease is within its primary term and the lessors are Gaylen and Debra Kerr, Husband and Wife.

Due to the fact that one (1) lease covers the proposed unit there will be no need to pool any acreage.

If you need any further info just let me know.

Thanks,

Aaron Tenenholz Land Negotiator

Encana Oil & Gas (USA) Inc.



# **Kerr 1V-01**

**60' of 14" conductor @ 60'** 67 sks 6 type grout

9.625" 36# J-55 BTC @ 1400' 12.25 hole

### Cement:

358 sks 12.4 ppg Extendacem, 2% CaCl2, 0.25 lb/sk Poly-E-Flake 119 sks 15.6 ppg Halcem, 2% CaCl2, 0.125 lb/sk Poly-E-Flake

100% excess **TOC:** Surface

**Determination:** returns to pits

Packer Type: Baker Hornet Tubing Size: 4.5" 11.6# IPC

**Length:** 4822'

Annular Fluid: 5 gal/ 100 gal Baker C335P

w/ Oxy Scav

**Arbuckle: @ 4847'** 

7" 26# N-80 LTC @ 4897'

8.75" hole

Cement:

199 sks 15.6 ppg Standard Cement

0.25 lb/sk Poly-E-Flake

50% excess **TOC: 3897'** 

**Determination:** volumetric

Reagan @ 5347' Granite: @ 5397'

6.125" open hole to 5427'

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/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Sam Brownback, Governor

## NOTICE TO OPERATORS FILING INTENT TO DRILL FOR DISPOSAL OR ENHANCED RECOVERY INJECTION WELLS, (CLASS II INJECTION WELL)

The attached approved Notice of Intent to Drill indicates the proposed well is to be used for injection. An approved "Intent to Drill" does not approve injection authority as a Class II Injection Well in Kansas.

Before any well is used for injection purposes, the operator must file an application for injection authority in accordance with K.A.R. 82-3-401 and provide notice in accordance with K.A.R. 82-3-402. The Conservation Division must issue a written permit granting the application before commencement of injection.

The Conservation Division requirements and restrictions associated with Class II Injection are identified in K.A.R. 82-3-400 et seq of our regulations. Associated regulations governing drilling, completion and injection applications may be found in K.A.R. 82-3-135, Table I, Table II, in the Cedar Hills Sandstone Moratorium, (Docket #156,397-C), and the Eastern Kansas Surface Casing Order, (Docket #133,891-C).

If you have questions regarding the approval of injection authority, an injection application may be filed as a "Design Approval" before actual drilling and completion of the well occurs. If you have any questions or concerns regarding Class II injection wells or regulations, call the Underground Injection Control Department at 316-337-6200.

Failure to obtain commission approval before beginning injection is punishable by a penalty, shut-in of the well or both.