

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

1151335

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
OPERATOR: License#	(Q/Q/Q/Q) feet from N / S Line of Section
Name:	feet from E / W Line of Section
Address 1:	Is SECTION: Regular Irregular?
Address 2:	(Note: Locate well on the Section Plat on reverse side)
City: State: Zip: +	County:
Contact Person:	Lease Name: Well #:
Phone:	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 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
LITE CANANCE. OID WEIL ITHOTTHATION AS TOHOWS.	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:
Directional, Deviated or Horizontal wellbore?	Water Source for Drilling Operations:
f Yes, true vertical depth:	Well Farm Pond Other:
Bottom Hole Location:	DWR Permit #:(Note: Apply for Permit with DWR)
	Will Cores be taken?
CCC DKT #:	Will Cores be taken? If Yes, proposed zone:
CCC DKT #:AFI	Will Cores be taken? Yes Yes Yes If Yes, proposed zone:
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SEWARD CO. 3390' FEL

For KCC Use ONLY	
API # 15	

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

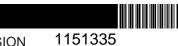
In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator:							ication of vv	reii. Courity			
Lease:									feet from	N/ S	S Line of Section
									_	E/ W	V Line of Section
										_ =	
Field:						50	€C	Twp	5. K	[_] [W
Number of	f Acres attrib	utable to w	ell:			lc	Section:	Regular or	Irregula	r	
QTR/QTR	/QTR/QTR o	f acreage:		_			Section.	Regular of	iii egulai	1	
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						PLAT					
	Sho	w location	of the well.	Show foot	age to the near	rest lease c	r unit bound	dary line. Show t	the predicted i	locations of	
	lease road	s, tank batt	eries, pipelir	nes and ele	ectrical lines, a	s required i	by the Kans	as Surface Own	er Notice Act	(House Bill 20	32).
	•	(You may attach	h a separate	e plat if desi	ired.			
	2	575 ft.									
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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 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: Emergency Pit Burn Pit	Pit is:	Existing	SecTwp R	
Settling Pit Drilling Pit	If Existing, date con		Feet from North / South Line of Section	
Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled)	Pit capacity:	(bbls)	Feet from East / West Line of Section County	
Is the pit located in a Sensitive Ground Water A	rea? Yes N	No	Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)	
Is the bottom below ground level? Yes No	Artificial Liner?	0	How is the pit lined if a plastic liner is not used?	
Pit dimensions (all but working pits):	Length (fee	t)	Width (feet) N/A: Steel Pits	
Depth fro	om ground level to deep	pest point:	(feet) No Pit	
If the pit is lined give a brief description of the line material, thickness and installation procedure.	itei		dures for periodic maintenance and determining ncluding any special monitoring.	
Distance to nearest water well within one-mile of	of pit:	Depth to shallo	west fresh water feet. mation:	
feet Depth of water well	feet	measured	well owner electric log KDWR	
Emergency, Settling and Burn Pits ONLY:		Drilling, Worko	over and Haul-Off Pits ONLY:	
Producing Formation:		Type of materia	al utilized in drilling/workover:	
Number of producing wells on lease:		Number of working pits to be utilized:		
Barrels of fluid produced daily:		Abandonment p	procedure:	
Does the slope from the tank battery allow all splow into the pit? Yes No	pilled fluids to	Drill pits must b	pe closed within 365 days of spud date.	
Submitted Electronically				
	ксс	OFFICE USE OI	NLY Liner Steel Pit RFAC RFAS	
Date Received: Permit Numb	ber:	Permi	t Date: Lease Inspection: Yes No	



1151335

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			
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 k 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 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				

WELL LOCATION EXHIBIT

-FOR-



598 FEET FROM THE WEST LINE & 2575 FEET FROM THE NORTH LINE OF THE NW1/4 SECTION 11, TOWNSHIP 20 S, RANGE 8 W, RICE COUNTY, KANSAS



Topography and Vegetation: Located in Agricultural Land.

Best Access Location: 17th Road. Level Drill Site: Yes

Reference Stake or Alternative Location Stake Set: None

Location from nearest Highway or Town: 1 mile east of Lyons on Avenue N to 17th Road then south 0.5 miles to site access.

The location of the well site referenced to the section lines as shown on this exhibit is based on field locations and information provided by Reno County.

Aerial photography as shown on this survey is approximate.

was prepared and the related surveying documen was prepared and the related survey work was performed by me or under my direct personal supervision and that I am a duly licensed Land Surveyor under the laws of the State of Kansas. I hereby certify that this land surveying document

Deterof survey: July 9th, 2012 Date of signature: July 5th, 2012

D. Thompson

1508

Kansas Linenses No. 01508 My Weense renewal data is March 31, 2015 Pages Anna reets wered by this seal: 4 of 4

Elevation At Well Stake = 1660.7 Feet (NAVD 88)

UTM 14 Coordinates GRID N: 13918325.869 GRID E: 1875207.468

NAD-8.3

LATITUDE: 38°19'33.9474" LONGITUDE: -98°10'52.5319"

Egan, Field & Nowak, Inc. land surveyors since 1872

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WELL LOCATION EXHIBIT 598 FEET FROM THE WEST LINE & 2575 FEET FROM THE NORTH LINE OF THE NW1/4 SECTION 11, TOWNSHIP 20 S, RANGE 8 W, RICE COUNTY, KANSAS



1000

FEET

SCALE

IN

Bearings based on NAD 83, UTM 14, Central Meridian,

99d W grid system

FILE NO. 01087432

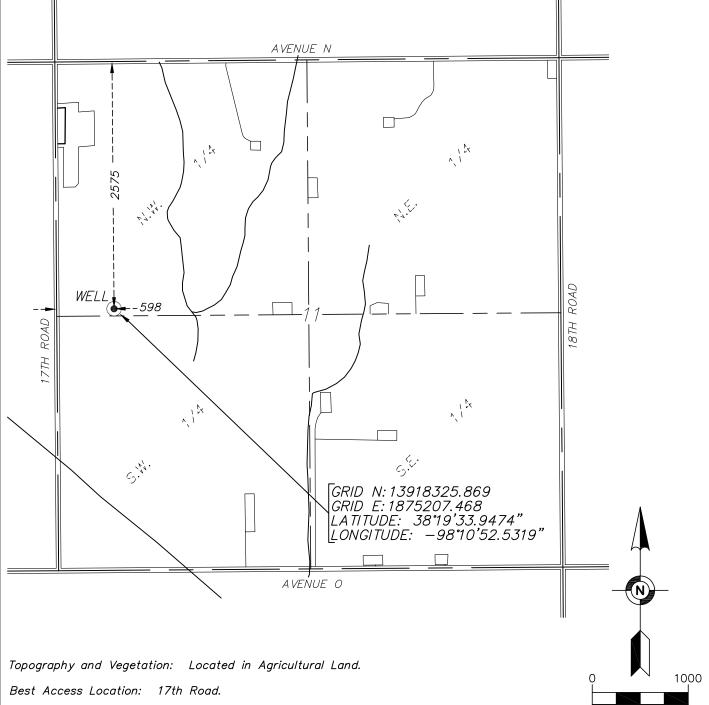
SHEET 1 OF 4

WELL LOCATION EXHIBIT

-FOR-



598 FEET FROM THE WEST LINE & 2575 FEET FROM THE NORTH LINE OF THE NW1/4 SECTION 11, TOWNSHIP 20 S, RANGE 8 W, RICE COUNTY, KANSAS



Level Drill Site: Yes

Reference Stake or Alternative Location Stake Set: None

Location from nearest Highway or Town: 1 mile east of Lyons on Avenue N to 17th Road then south 0.5 miles to site access.

The location of the well site referenced to the section lines as shown on this exhibit is based on field locations and information provided by Reno County.

Feature lines have been traced from an aerial photography as shown on this survey and is approximate.

Aerial photography as shown on this survey is approximate.

Elevation At Well Stake =1660.7 Feet (NAVD 88)

UTM 14 Coordinates GRID N:13918325.869 GRID E:1875207.468

NAD-83

LATITUDE: 3819'33.9474" LONGITUDE: -9810'52.5319" Date of survey: July 9th, 2012 Date of exhibit: July 15th, 2012

SCALE

IN

Bearings based on NAD 83, UTM 14, Central Meridian,

99d W grid system

FEET

WELL LOCATION EXHIBIT
598 FEET FROM THE WEST LINE &
2575 FEET FROM THE NORTH LINE OF
THE NW1/4 SECTION 11, TOWNSHIP 20
S, RANGE 8 W, RICE COUNTY, KANSAS



FILE NO. 01087432

SHEET 2 OF 4

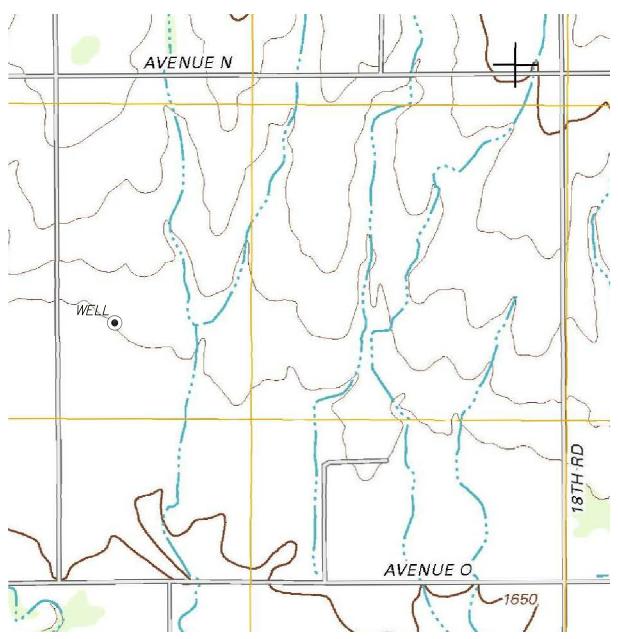


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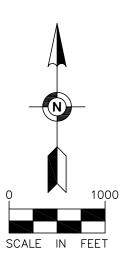
WELL LOCATION EXHIBIT **USGS LYONS**



598 FEET FROM THE WEST LINE & 2575 FEET FROM THE NORTH LINE OF THE NW1/4 SECTION 11, TOWNSHIP 20 S, RANGE 8 W, RICE COUNTY, KANSAS



USGS 7.5 Minute Series Lyons Quadrangle Kansas date 2012



Date of survey: July 9th, 2012 Date of exhibit: July 15th, 2012

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FILE NO. 01087432

SHEET 3 OF 4

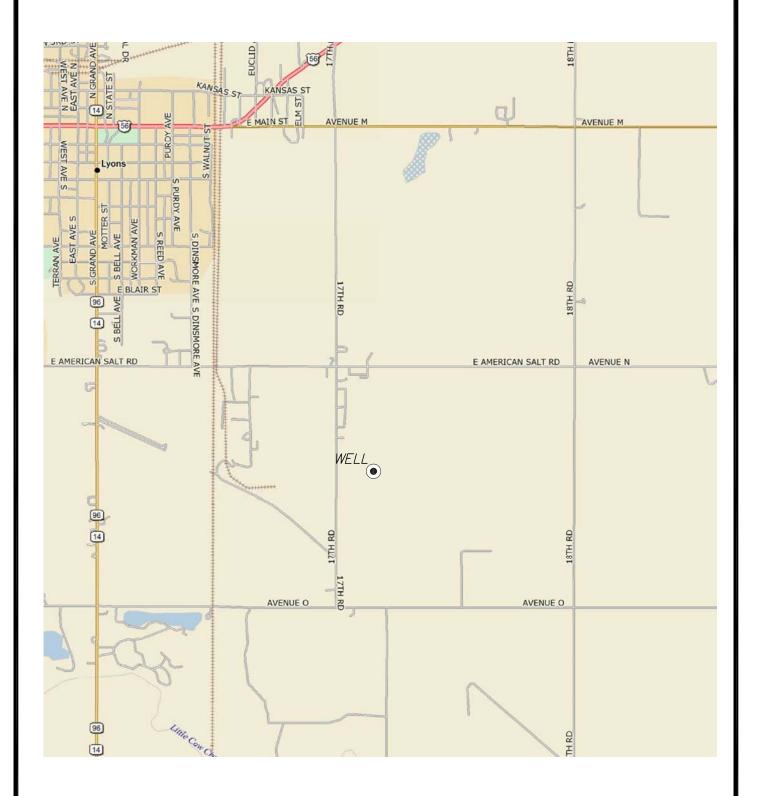
WELL LOCATION EXHIBIT
598 FEET FROM THE WEST LINE &
2575 FEET FROM THE NORTH LINE OF THE NW1/4 SECTION 11, TOWNSHIP 20 S, RANGE 8 W, RICE COUNTY, KANSAS

WELL LOCATION EXHIBIT VICINITY MAP

-FOR-



598 FEET FROM THE WEST LINE & 2575 FEET FROM THE NORTH LINE OF THE NW1/4 SECTION 11, TOWNSHIP 20 S, RANGE 8 W, RICE COUNTY, KANSAS





NO SCALE

Egan, Field & Nowak, Inc.

land surveyors since 1872

Date of survey: July 9th, 2012 Date of exhibit: July 15th, 2012

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WELL LOCATION EXHIBIT 598 FEET FROM THE WEST LINE & 2575 FEET FROM THE NORTH LINE OF THE NW1/4 SECTION 11, TOWNSHIP 20 S, RANGE 8 W, RICE COUNTY, KANSAS



FILE NO. 01087432

SHEET 4 OF 4

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

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.

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

July 17, 2013

Kevin McDonald Northern Natural Gas Co. 1111 S 103RD ST P O BOX 3330 OMAHA, NE 68124-1072

Re: Drilling Pit Application Welte 11-15 NW/4 Sec.11-20S-08W Rice County, Kansas

Dear Kevin McDonald:

According to the drilling pit application referenced above, no earthen pits will be used at this location. Steel pits will be used. Please inform the Commission in writing as to which disposal well you utilized to dispose of the contents in the steel pits and the amount of fluid that was disposed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, within 30 days of fluid removal.

Should a haul-off pit be necessary please file form CDP-1 (April 2004), Application for Surface Pit, through KOLAR. This location will have to be inspected prior to approval of the haul-off pit application.

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 (316) 630-4000.

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

HAUL-OFF PIT APPLICATION FILING REQUIREMENTS

82-3-607. (a)	DISPOSAL OF DIKE AND PIT CONTENTS. Each operator shall perform one of the following when disposing of dike or					
pit	contental					
(1)	contents: Remove the liquid contents to a disposal well or other oil and gas operation approved by the commission or to road maintenance or construction locations approved by the department;					
(2)	dispose of reserve pit waste down the annular space of a well completed according to the alternate I requirements of K.A.R. 82-3-106, if the waste to be disposed of was generated during the drilling and completion of the well;					
or						
(3)	dispose of the remaining solid contents in any manner required by the commission. The requirements may include any of the following: (A) Burial in place, in accordance with the grading and restoration requirements in K.A.R. 82-3-602 (f);					
	 (B) removal and placement of the contents in an on-site disposal area approved by the commission; 					
	(C) removal and placement of the contents in an off-site disposal area					
on						
lease	acreage owned by the same landowner or to another producing					
from	or unit operated by the same operator, if prior written permission					
	the landowner has been obtained; or					

	(D)	removal of the contents to a permitted off-site disposal area
approved		
		by the department.
(b)	Each	violation of this regulation shall be punishable by the following:
(1) A \$1,0	000 penalty for the first violation;
(2	a \$2,5	00 penalty for the second violation; and
(3	a \$5,0	000 penalty and an operator license review for the third violation.

<u>File Haul-Off Pit Application in KOLAR. Review the information below and attach all required documents to the pit application when submitting through KOLAR. This form will automatically generate and fill in from questions asked in KOLAR.</u>

Haul-off pit will be located in an on-site disposal area:YesNo	
Haul-off pit is located in an off-site disposal area on acreage owned by the same landowner:YesNo If yes, written permission from the land owner must be obtained. Attach written permission to haul-off pit application.	:
Haul-off pit is located in an off-site disposal area on another producing lease or unit operate by the same operator:YesNo If yes, written permission from the land owner must be obtained. Attach permission and a copy of the lease assignment that covers the acreage where the haul-off pit is to be located, to the haul-off pit application.	be