

**APPLICATION CHECKLIST**

*Knox Co. SWW #10, Permit # 4502  
Harstine Trust # 2-3591*

	Date	Initials
Enter on Agenda	<i>2/27/12</i>	<i>[Signature]</i>
Completeness Review		<i>[Signature]</i>
Date - Time Stamp	<i>2/27/12</i>	<i>[Signature]</i>
Area of Review	<i>3/1/12</i>	<i>[Signature]</i>
Site Evaluation	<i>8-9-12</i>	<i>[Signature]</i>
Permitting Section	<i>2/27/12</i>	<i>[Signature]</i>
Memo to Inspector	<i>7-24-12</i>	<i>[Signature]</i>
Public Notice	<i>8-1-12</i>	<i>[Signature]</i>
Letter	<i>8-1-12</i>	<i>[Signature]</i>
Date Run		
15 Days		
Review Public Notice		<i>[Signature]</i>
Affidavit of Notification	<i>3/8/12</i>	<i>[Signature]</i>
Objections Received	Yes _____ No _____	<i>[Signature]</i>
Public Hearing Date		<i>[Signature]</i>
Chief's Order, if Required		<i>[Signature]</i>
Schematic		<i>[Signature]</i>
Plot on Map	<i>3/1/12</i>	<i>[Signature]</i>
Review by Geologist		<i>[Signature]</i>
Permit Conditions (Same date as permit)		<i>[Signature]</i>
Enter on Computer (Same or later date than Chief's Order)		<i>[Signature]</i>
Enter on Master List	<i>3/1/12</i>	<i>[Signature]</i>
EPA Form	<i>3/1/12</i>	<i>[Signature]</i>
Mail Permit		<i>[Signature]</i>
Update Agenda		<i>[Signature]</i>
File		<i>[Signature]</i>

**RECORD OF CONVERSATION**

*Needs SWW affidavit - 3/1/12 - [Signature]*

*2/28/12 - Send application to Ohio EPA and Treasurer*

*3/8/12 - Received SWW affidavit [Signature]*

*- Needs surface facility sketch 7-27-12 contacted AA*

Ohio Department of Natural Resources  
Division of Oil and Gas Resources Management  
Facility Report

API Well No.

**34083245020000**

Project:

County: KNOX                      Twp MORGAN                      Sec: 0                      Lot: 0                      WI Typ: OG

Owner                      KNOX ENERGY INC.                      Resp Co

Well Name: HARSTINE TRUST 2-3591                      No.:                      WH\_LAT                      40.269520                      WH\_LONG:                      -82.417880

Directions to site:

Inspection Type:                      Salt Water Injection Well                      Contact:                      Phone

Inspection Purpose:                      Request                      Address

Type of Notification                      Contact THOMAS BENKO

Inspection Comments:

Inspect well and location for UIC conversion. Well is located in farm field adjacent to a drainage swale which feeds an intermittent stream which feeds into Tuma Run. Only one residence and farm house are located within the 0.25 mile radius from the well, located at 2359 Morgan Center Road. Water well records well Log #202671, drilled in 1956 to a depth of 72 feet. Well was not observed during inspection as well is located in a six foot deep pit. All other residential and commercial structures including water wells are beyond the 0.25 mile radius. There are no significant defects that prevent the permitting of this well for salt water injection. Care should be exercised to prevent the release of fluids on this site as a result of the proximity of the swale.

Accompanied by

INJECTIONPRESSUR                       Vac                      ANNULUSPRESSURE:                       Vac                      FLOWMETER:                       Vac

HAULERNO:                      LISCENSE\_NUM:

LANDOWNERWAIVER:                                            P\_REST\_PASS:                                            F\_REST\_PASS:                     

Inspection Date:                      7/30/2012

Signature:                      \_\_\_\_\_  
THOMAS BENKO

Date notice of violation Issued:

Required action to be completed by:

Reviewed by:                      \_\_\_\_\_

Extended action due:

Forward to:                      \_\_\_\_\_

Required action completed:

Duration:                      \_\_\_\_\_ hrs                      Section/Name



# Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

Richard J. Simmers, Chief  
**Division of Oil and Gas Resources Management**  
2045 Morse Road, Bldg. F-2  
Columbus, OH 43229-6693  
Phone (614) 265-6922 Fax (614) 265-6910

August 1, 2012

Mr. Mark Neese  
Knox Energy, Inc.  
11872 Worthington Rd.  
Pataskala, Ohio 43062

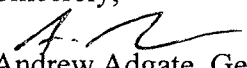
**RE: Public Notification for SWIW application for Knox County, Morgan Twp., new well, Knox Energy, Inc., Harstine Trust SWD #2-3591, injection well**

Dear Mr. Neese:

As outlined in Rule 1501: 9-3-06 (H) (1) of the Ohio Administrative Code, please consider this letter as notification from the Division for you to proceed with the public notice. Enclosed, please find a copy of the notice you will need to have run in the newspaper of general circulation in the area of the proposed injection well. **The public notice must be run for no less than five consecutive days. After running this notice in the newspaper, please send me the original proof-of-publication from the newspaper as soon as possible.**

If you have any questions regarding this matter, please feel free to contact me at (614) 265-6673.

Sincerely,

  
Andrew Adgate, Geologist  
UIC Section  
Division of Oil and Gas Resources Management  
2045 Morse Road, F-2  
Columbus, Ohio 43229-6693

Cc: File

## PUBLIC NOTICE

**Knox Energy, Inc., 11872 Worthington Rd., Pataskala, Ohio 43062, (740) 972-6731 is applying to permit a well for the injection of brine water produced in association with oil and natural gas. The location of the proposed injection well is the Harstine Trust SWD #2-3591 well, New well, Lot 6, Morgan Township, Knox County, Ohio. The proposed well will inject into the Trempealeau dolomite at a depth of 4668 to 4750 feet. The average injection is estimated to be 1000 barrels per day. The maximum injection pressure is estimated to be 1075 psi. Further information can be obtained by contacting Knox Energy Inc., or the Division of Oil and Gas Resources Management. The address of the Division is: Ohio Department of Natural Resources, Division of Oil and Gas Resources Management, 2045 Morse Road, Building F-2, Columbus, Ohio 43229-6693, (614) 265-6633. For full consideration, all comments and objections must be received by the Division, in writing, within fifteen calendar days of the last date of this published legal notice.**

SALTWATER INJECTION WELL – AFFIDAVIT

Ohio Department of Natural Resources  
Division of Mineral Resources Management  
2045 Morse Road, Columbus, Ohio 43229-6693

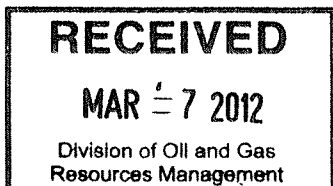
State of OHIO, KNOX County, ss  
MARK A. NEESE being first duly  
sworn says that as principal, or authorized agent, for KNOX ENERGY, INC., he or she has  
made application for a saltwater injection well in the State of Ohio KNOX, County, MORGAN  
Township, section/lot number L6, 4<sup>th</sup> QTR; and further certifies that notice of application has been  
delivered to each individual entitled to personal notification in accordance with paragraph (E) of Rule  
1501:9-3-.06 of the Ohio Administrative Code. And further affiant saith not.

Mark A Neese  
Affiant Signature

Sworn to before me and subscribed in my presence this 5<sup>th</sup> day of March,  
2012.

Jennifer R. Barnett  
Notary Public

Jennifer R. Barnett  
Notary Public, State of Ohio  
My Commission Expires 04-08-2014



# Proof Sheet

APPL NUMBER	aPATT020442	URBANIZED AREA ?	<input type="checkbox"/>
OWNER NUMBER	6295	NAME	
OWNER NAME	KNOX ENERGY INC.		
EXISTING WELL	-1		
API PERMIT NO	34083245020000	DISPOSAL PLAN 1	ND
APPL TYPE	CO	DISPOSAL PLAN 2	
TYPE OF WELL	SWD	DISPOSAL PLAN 3	
VARIANCE REQUEST		DISPOSAL PLAN 4	
WELL NAME	HARSTINE TRUST <i>(Sw 1/4 10)</i>	DISPOSAL PLAN 5	
WELL NUMBER	2-3591	MP Check #	0
PREV/PROPOSED TD	4750		
DRILL UNIT ACRES	40		
TYPE OF TOOL	RTAF	<b>PROPOSED FORMATIONS</b>	
WELL CLASS	<i>SW 1/4</i>	B ZONE	
FIRE PHONE	( ) - 911		
MEDICAL PHONE	( ) - 911		
COUNTY CODE	83		
COUNTY NAME	KNOX		
COAL (Y=-1/N=0)	0		
CIVIL TOWNSHIP	MORGAN	TARG CIVIL TWP	
SURF QUAD	HUNT	TARG QUAD	
Nad 27 SURF ORIG X	2,022,887	Nad 27 TARG ORIG X	
Nad 27 SURF ORIG Y	219,609	Nad 27 TARG ORIG Y	
GROUND ELEVATION	1050	TARG ELEV	0
SURF SEC		TARG SECTION	
SURF LOT	6	TARG LOT	
SURF QTR TWP	4	TARG QTR TWP	
SURF ALLOT		TARG ALLOT	
SURF TRACT		TARG TRACT	
SURF FRACTION		TARG FRACTION	

# DAILY ROUTE SLIP *Morgan*

APPLICATION NO. aPATT020442

TYPE: Convert

CONAME **KNOX ENERGY INC.**

API **34083245020000**

WELL NAME /NO. **HARSTINE TRUST**

**2-3591**

COUNTY **83 KNOX**

INITIALS

DATE

DATE APPLICATION REC'D

*PN*

2/27/2012

PERMIT FEE AND CHECK NO.

\$1,000.00

91262

RUSH AMOUNT RUSH CHECK NO.

\$0.00

0

APPLICATION ENTERED

*PN*

2/27/12

APPLICATIONS AND PLATS SENT FOR MINE APPROVAL

*PN*

NA

COAL APPROVAL RECEIVED

*PN*

NA

OIL/GAS AFFIDAVIT REC'D

*PN*

NA

*NOV* URBANIZED AREA NOTIFICATION SENT

*PN*

2/27/12

URBANIZED AREA NOTIFICATION SENT TO INSPECTOR/REC'D BACK

*PN*

NA

URBAN MAP REVIEW

*PN*

NA

SAMPLES: YES \_\_\_ /SPECIAL AREAS

*PN*

NA

GEOLOGIST APPROVAL

*PN*

\_\_\_\_\_

DATA ENTRY /ISSUED

*PN*

\_\_\_\_\_

PERMIT: TAKEN \_\_\_\_\_ MAILED \_\_\_\_\_

*PN*

\_\_\_\_\_

FAX TO: \_\_\_\_\_

FINAL MAP CHECK

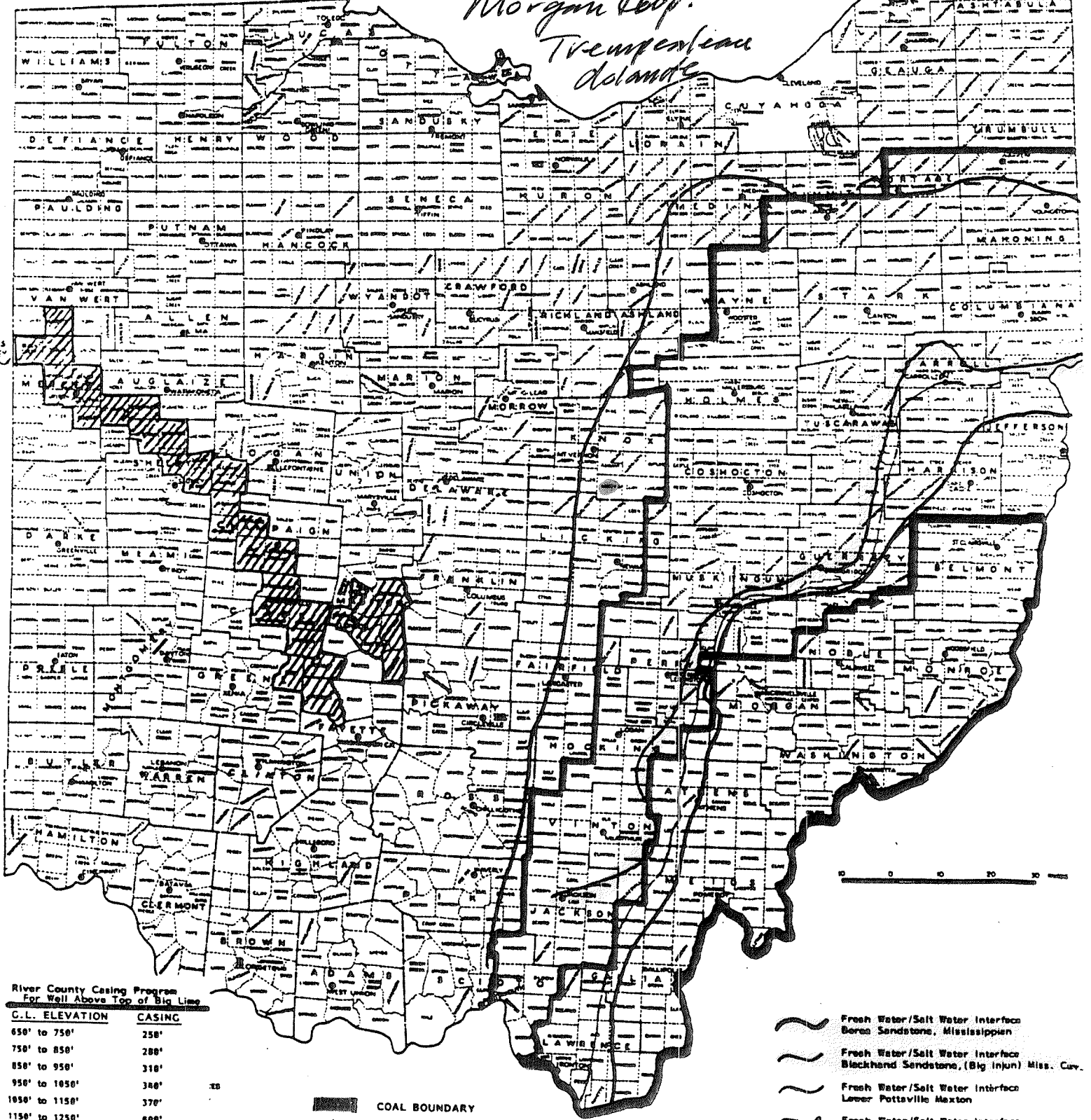
\_\_\_\_\_

\_\_\_\_\_

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Knop Co. SW1W #10, Permit # 4502  
 Harstine Trust # 2-3591  
 Morgan Dep.  
 Trempealeau  
 Islands



River County Casing Program  
 For Well Above Top of Big Lime

C.L. ELEVATION	CASING
650' to 750'	250'
750' to 850'	280'
850' to 950'	310'
950' to 1050'	340'
1050' to 1150'	370'
1150' to 1250'	400'
1250' to 1350'	430'
OVER 1350'	500'

COAL BOUNDARY

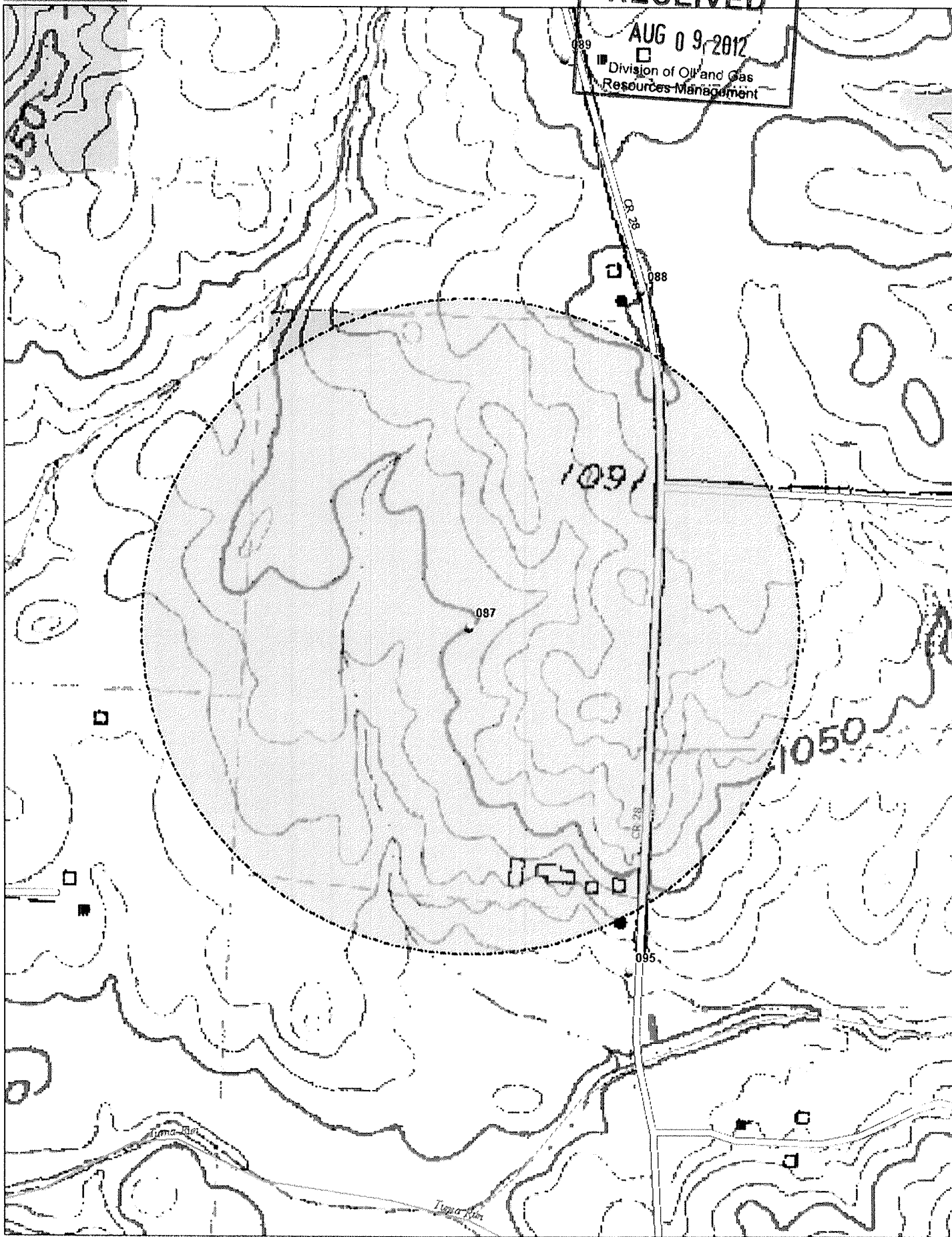
- ~~~~~ Fresh Water/Salt Water Interface  
Berea Sandstone, Mississippian
- ~~~~~ Fresh Water/Salt Water Interface  
Blackhand Sandstone, (Big Injun) Miss. Cuv.
- ~~~~~ Fresh Water/Salt Water Interface  
Lower Pottsville Maxton
- ~~~~~ Fresh Water/Salt Water Interface  
Upper Allegheny 2nd Coe Run







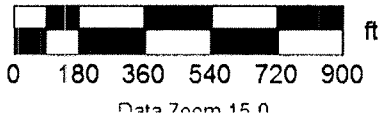
RECEIVED  
AUG 09 2012  
Division of Oil and Gas  
Resources Management



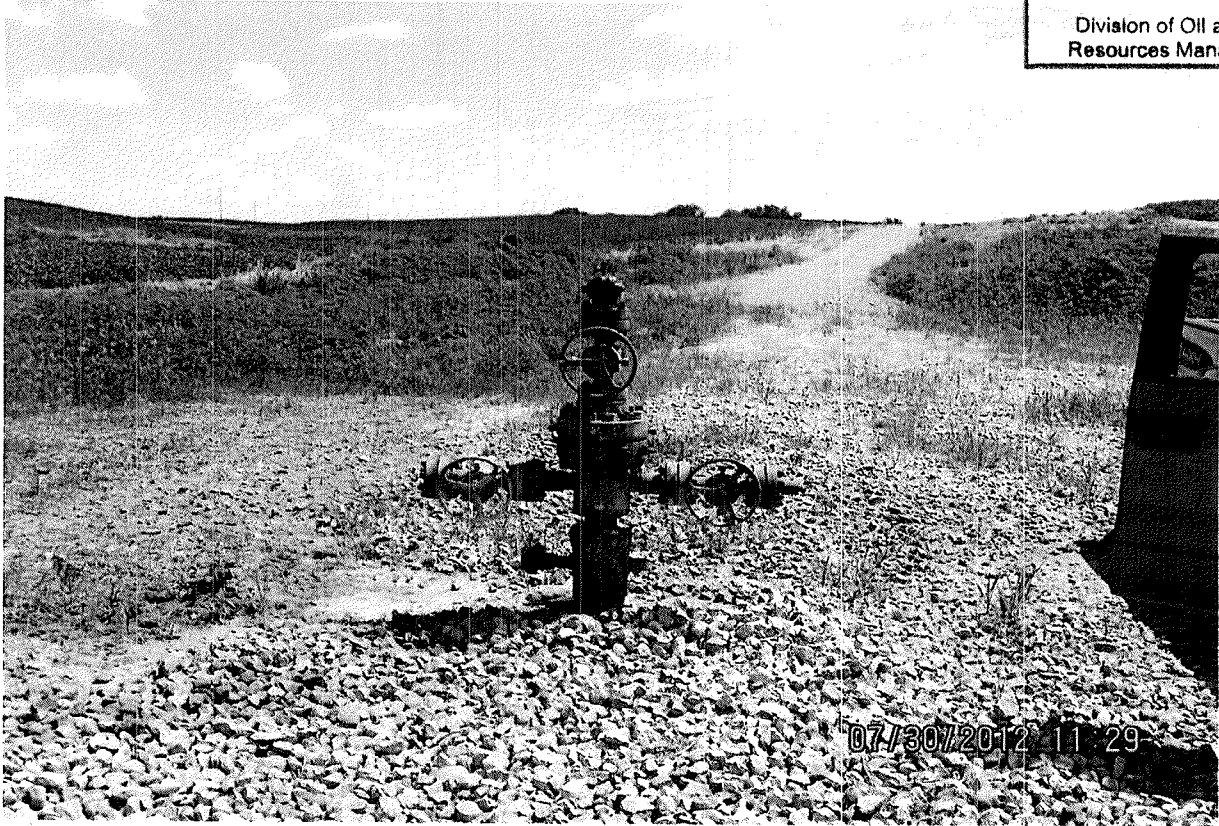
Data use subject to license.

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AUG 09 2012  
Division of Oil and Gas  
Resources Management



**RECEIVED**  
 AUG 09 2012  
 Division of Oil and Gas  
 Resources Management

**WELL LOG AND DRILLING REPORT**  
 State of Ohio  
 DEPARTMENT OF NATURAL RESOURCES  
 Division of Water  
 1500 Dublin Road  
 Columbus, Ohio

LOCATED ORIGINAL

No. 202671<sup>10</sup>

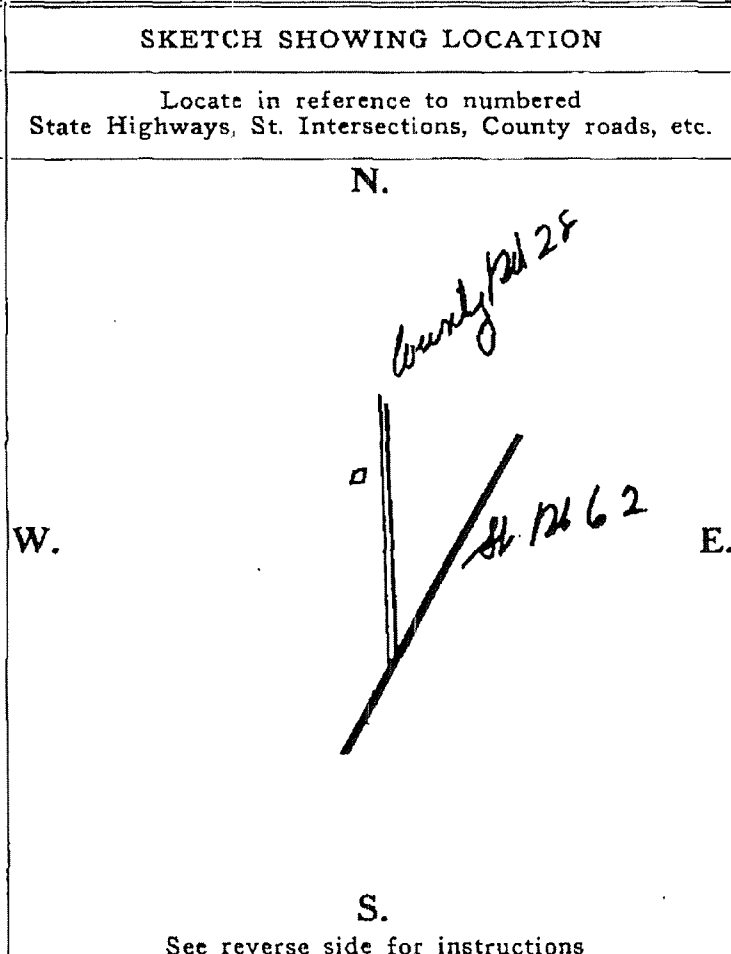
County Wood Township Morgan Section of Township \_\_\_\_\_  
 Owner Wm Hartstone Address Utica, O. Rd. 2  
 Location of property 1 1/2 miles North of St. Rd. 62 on County Rd 28

**CONSTRUCTION DETAILS**  
 Casing diameter 5" Length of casing \_\_\_\_\_  
 Type of screen \_\_\_\_\_ Length of screen \_\_\_\_\_  
 Type of pump \_\_\_\_\_  
 Capacity of pump \_\_\_\_\_  
 Depth of pump setting \_\_\_\_\_  
 Date of completion \_\_\_\_\_

**BAILING OR PUMPING TEST**  
 Pumping rate \_\_\_\_\_ G.P.M. Duration of test \_\_\_\_\_ hrs.  
 Drawdown None ft. Date \_\_\_\_\_  
 Developed capacity 18 gpm  
 Static level—depth to water 6 ft.  
 Pump installed by \_\_\_\_\_

**WELL LOG**

Formations Sandstone, shale, limestone, gravel and clay	From	To
<u>set</u>	0 Feet	<u>6</u> Ft.
<u>Sand &amp; Gravel</u>	<u>6</u>	<u>35</u>
<u>Sandstone</u>	<u>35</u>	<u>72</u>



Drilling Firm Beinkover Bros  
 Address Johnstown, O

Date 11-30-57  
 Signed Wm Montgomery



December 20, 2011



Tom Tomastik  
UIC Section  
Division of Oil and Gas Resources Management  
2045 Morse Road Building H-3  
Columbus, Ohio 43229-6693

Re: HARSTINE TRUST #2-3591  
Morgan Twp., Knox County  
Permit #24502

Dear Mr. Tomastik:

Knox Energy, Inc. hereby requests a preliminary area of review on the above referenced well for conversion to a saltwater injection well. Our proposed depth of injection is approximately 4670' to 4750' in the B-Zone. As for volume we request more than 200 bbls/day.

Please let me know if you need anything else.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Jordan". The signature is fluid and cursive.

Mark Jordan  
President



# Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

December 28, 2011

Mr. Mark Jordan  
Knox Energy  
P.O. Box 705  
New Albany, Ohio 43054

**RE: Proposed SWIW preliminary review, Permit #4502, Morgan Township, Knox County, Ohio**

Dear Mr. Jordan:

Pursuant to your request, the Division of Oil and Gas Resources Management has conducted preliminary area of review to determine the feasibility of injecting fluid into the above-captioned well at volumes greater than 200 barrels per day per year (within a ½ mile radius) into the **Knox "B" Zone**. An evaluation of the area of review indicates that injection into the **Knox "B" Zone is feasible** at volumes greater than 200 barrels per day. If you are not registered as an owner/operator in Ohio, you will need to proceed with registration with the Division prior to filing an injection application.

The cost of the saltwater injection well permit is \$1000.00. Enclosed are the application forms for a saltwater injection well.

If you have any further questions regarding this matter, please feel free to contact me at (614) 265-1032.

Sincerely,

A handwritten signature in cursive script that reads "Tom Tomastik".

Tom Tomastik, Geologist 4  
UIC Section  
Division of Oil and Gas Resources Management  
2045 Morse Road, H-3  
Columbus, Ohio 43229-6693

# Cement Ticket

API Well Number:  
**34-083-2-4502-00-00**

## Record of Casing, Cementing and Mudding

Well Owner: KNOX ENERGY INC.  
Lease Name:  
County: KNOX  
Driller: KILBARGER DRLG  
TD Formation: KNOX

Township: MORGAN

Well No.

Tool RT  
Class

Permit Issued:  
Date Commenced:  
Date Completed: 01/20/2011

LTD 0 DTD

Comments: This surface job was not witnessed by an inspector. Kilbarger Drilling is drilling the well for Knox Energy. Bill Mitten was on location with Know Energy. Petroset Cementing Services completed the surface cement job. The well circulated and there were cement returns to the surface.

FLD \*Hole 1 Field Entry Bot 760 Diam 12.25 Top 0 LENGTH  
Set Dt SHOT/RIP: CSG\_REC'D:

CMMT Casing Condition,  
Weight and Cement Basket

CONDITION WEIGHT Duration  
BOC 0 TOC 0 DT\_CM INSPECTOR  
CMT\_CON SACKS  
CLASS\_CMT: SACKS2  
CLASS\_CMT2:  
Cement Comments  
Centralizer Wiper Plug  
Shoe Collar Other



FLD \*Surface Casing Fiel Bot 723 Diam 8.62 Top 0 LENGTH

Set Dt 1/22/2011 SHOT/RIP: CSG\_REC'D:

CMMT Casing Condition,  
Weight and Cement Basket

CONDITION	New	WEIGHT				
BOC	723	TOC	0	DT_CM	Duration	<input type="checkbox"/> WITNESSED
CMT_CON						INSPECTOR ZIEGLER WILL
CLASS_CMT:	Light/Standard Cement (50/50 C		SACKS	175	YIELD	
CLASS_CMT2:	Class A Cement		SACKS2	175	GEL_VISC	
Cement Comments	3%CaCl					
Centralizer Wiper Plug						
Shoe Collar Other						

**Tomastik, Tom**

**From:** Nicole Venteris [nventeris@knoxenergy.com]  
**Sent:** Monday, December 19, 2011 1:35 PM  
**To:** Tomastik, Tom  
**Subject:** Re: injection well permitting

Yes, if you can email the paperwork to me that would be great.  
Most likely the B Zone, possibly the Kerbel.

**From:** "Tomastik, Tom" <Tom.Tomastik@dnr.state.oh.us>  
**To:** Nicole Venteris <nventeris@knoxenergy.com>  
**Sent:** Monday, December 19, 2011 10:28 AM  
**Subject:** RE: injection well permitting

Nicole:

A whole bunch of stuff. I can scan the application package and send it to you. What formation do you want to inject into?

Tom Tomastik, Geologist 4  
Division of Oil and Gas Resources Management  
2045 Morse Road, H-3  
Columbus, Ohio 43229-6693  
(614) 265-1032

**From:** Nicole Venteris [mailto:nventeris@knoxenergy.com]  
**Sent:** Monday, December 19, 2011 1:24 PM  
**To:** Tomastik, Tom  
**Subject:** injection well permitting

Hello Tom!

Hey, we are going to apply for permit to convert our Harstine #2, 3408324502 in Knox County to a disposal well. Other than the permit with plat and \$1000 fee, what other information do we need to submit?

Thanks!

Nicole  
Knox Energy

12/19/2011

**WELL COMPLETION RECORD (Form 1)**

Ohio Department of Natural Resources  
 Division of Mineral Resources Management  
 2045 Morse Rd., Bldg. H-3, Columbus, OH 43229-6693  
 Telephone: 614-265-6633 Fax: 614-265-7998

This report is due in duplicate 60 days after completion of the well. If the permit has expired and the well was not drilled, check the box below, sign on reverse side (Back), and return to our office within 30 days after expiration.


1. Owner # 6295		3. API # 34-083-2-4502-00-00	
2. Owner name, address and telephone numbers: Knox Energy, Inc. P.O. BOX 705 NEW ALBANY, OH 43054 Phone: (740)-927-6731		4. Type of Permit: Drill New Well	
		5. County: KNOX	
		6. Civil Township: MORGAN	
8. Type of well: Oil & Gas		7. Footage: 2650' SL. & 890' WL OF LOT 6, 4TH QTR	
9. X: 2022887 Y: 219609		21. Date drilling commenced: 1/19/2011	
10. Quad: HUNT		22. Date drilling completed: 2/5/2011	
11. Section: 12. Lot: 6		23. Date put into production:	
13. Fraction: 14. Qtr. Twp: 4TH		24. Date plugged if dry:	
15. Tract:		25. Producing Formation:	
16. Allot:		26. Deepest Formation: Kerbal	
17. Well # 2-3591		27. Driller's total depth: 5081	
18. Lease Name: HARSTINE TRUST		28. Logger's total depth: 5081	
19. PTD: 4900		20. Drilling Unit: 40	
29. Lost hole at: _____ feet.			
30. Type of tools		31. Type of completion:	
<input type="checkbox"/> Cable <input type="checkbox"/> Fluid Rotary <input type="checkbox"/> Cable/Air Rotary <input type="checkbox"/> Cable/Fluid Rotary		<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Through Casing <input type="checkbox"/> Slotted Liner	
<input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Air/Fluid Rotary <input type="checkbox"/> Service Rig <input type="checkbox"/> Cable/Air Rotary/Fluid Rotary		32. Elevation: Ground Level _____ ft. Derrick Level _____ ft. Kelly Bushing _____ ft.	
33. Perforated intervals and number of shots:			
34. Name of Frac Company:			
35. Method of shot, acid, or fracture treatments, production tests, pressures, etc:			
SHOT: _____ Lbs. _____ Qts. _____ Type _____		ACID: _____ Gals. _____ Type _____ Percent _____	
FRAC FLUIDS: Water (gals) _____ Water (bbbls) _____ CO2 (tons) _____ N2 (MSCF) _____		SAND: _____ Lbs: _____ Sacks: _____	
PRESSURES:(psi) Breakdown _____ ATP _____ ISIP _____ 5 min SIP _____ Avg. Rate _____		METHOD OF FLUID CONTAINMENT: Fluids: _____ Swab <input type="checkbox"/> Flowback <input type="checkbox"/>	
Date Treated: 4/18/2011		Pit: <input type="checkbox"/> Frac Tank: <input checked="" type="checkbox"/> Frac Log RECEIVED <input type="checkbox"/> FRAC INV. RECEIVED <input type="checkbox"/> FRAC PRESS. GRAPH <input type="checkbox"/> FRAC RATE GRAPH <input type="checkbox"/>	
36. Amount of initial production per day: (MCF.) (Bbls.) (Bbls.)			
Natural: Gas: _____		Oil: _____ Brine: _____	
After treatment: Gas: _____		Oil: _____ Brine: _____	
SERC_Data: Number of Tanks: _____		Maximum Storage Capacity of all Tanks (bbbls): _____	
37. Casing and tubing record: Please indicate which is used (cement or mudding):			
Type	Size	Feet Used in drilling	Amount of Cement or Mud
Surface	8 5/8"	723'	175/175 Sacks of Lite 3%/Regular 3%
Production	5 1/2"	4832'	230 Sacks of Class "A" 3% Ca
Feet left in Well: 723' / 4832'			
Comments: _____			
38. Name of drilling contractor: KILBARGER #12			
39. Type of electrical and/or radioactivity logs run: (all must be submitted)			
Dual Lateral Log	Formation Micro Image	ECS	Sonic
	Compensated Density Log	Neutron Log	Gamma Ray Log
40. Name of Logging Company: SCHLUMBERGER			

**DIVISION USE ONLY**

Log Submitted: Y/N Well Class: EOUT A/D:  
 Confidential: Y/N

FORMATION	TOP	BASE	Show of oil gas, fresh water, or Brine; Indicate depth or interval	Remarks
Freshwater Strata				
Glacial Deposits				
Coal Seams				
1st Cow Run				
Buell Run				
2nd Cow Run				
Salt Sand				
Maxton Sand				
Keener Sand				
Big Injun Sand				
Squaw Sand				
Mississippian Shale				
Weir Sand				
Berea Sand	668	670		
Bedford Shale				
2nd Berea				
Ohio Shale				
Gantz				
Thirty Foot				
Gordon				
Cinnamon				
Marcellus				
Big Lime	1595	2374		
Sylvania				
Oriskany				
Bass Island				
Salina				
Salt Section				
Newburg				
Lockport	2270			
Little Lime				
Packer Shell	2463	2497		
Stray Clinton				
Red Clinton				
White Clinton	2508	2540		
Medina				
Queenston	2637			
Utica				
Trenton	3860			
Black River	4021			
Gull River	4428			
Glenwood Shale	4481			
Knox Unconformity	4514			
Beekmantown				
Rose Run				
Trempealeau/Copper Ridge	4514			
"B" Zone	4657			
Krysik				
Kerbal	5018			
Conasauga				
Rome				
Mt. Simon				
Granite Wash				
Middle Run				
Granite				

I (We) certify that the above information is true and correct, to the best of my knowledge:

Signature  Date 11/8/2011  
Name (Typed or Printed) Nicole Venteris Title Geologist  
Representing Knox Energy, Inc.

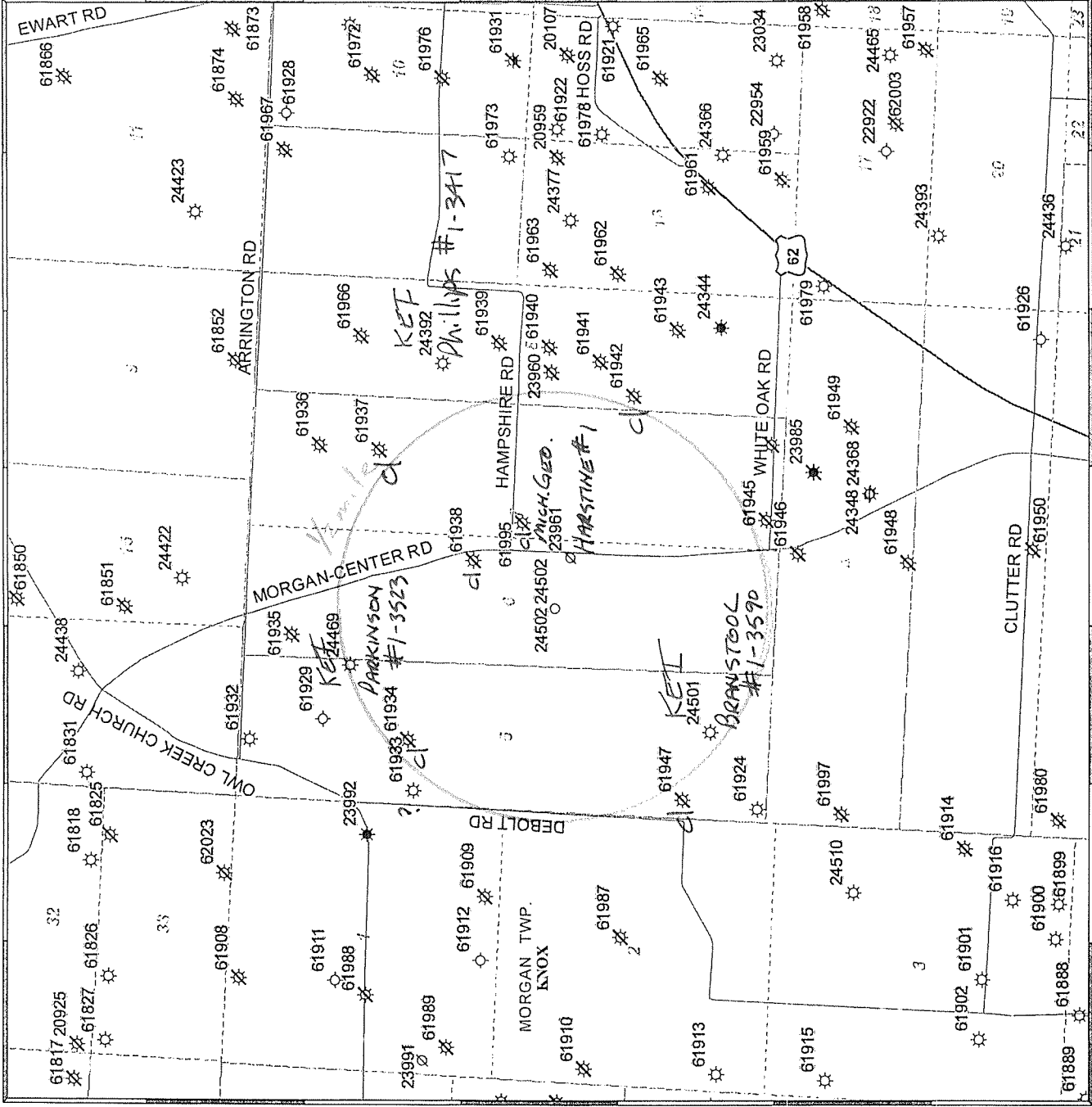
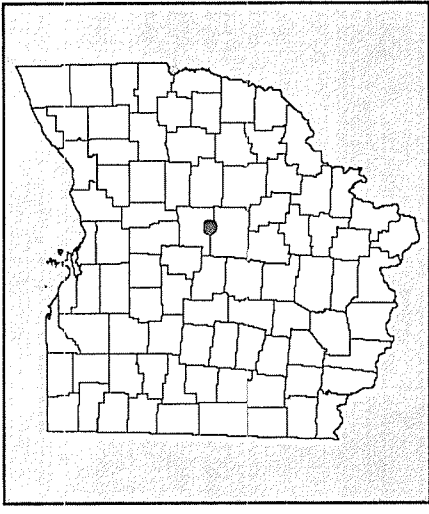
# OIL AND GAS WELL SPOT MAP

## Well Symbols

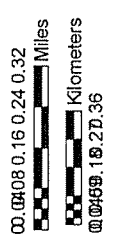
- ★ Unknown
- ⊖ Lost Hole
- ⊗ Brine
- ⊙ Drilled Unknown status
- Dry Hole
- ◊ Dry Gas Show
- ⊕ Dry Oil Show
- ⊘ Expired Permit
- ⊛ Gas
- ⊜ Gas Oil Show
- ⊝ Gas Show
- ⊞ Gas and Oil Show
- ⊟ Injection
- ⊠ Observation
- ⊡ Converted to Water
- Oil
- ⊛ Oil and Gas
- ⊜ Oil w/Gas Show
- ⊝ Oil Show
- Permitted Location
- ◊ Plugged Brine
- ⊕ Plugged Gas
- ⊘ Plugged Injection
- ⊛ Plugged Oil
- ⊜ Tool Lost in Hole
- ⊝ Solution Mining
- ⊞ Strat Test

Map provided by the Ohio Geological Survey  
<http://www.ohiodnr.com/geosurvey>

## INDEX MAP



**DISCLAIMER**  
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December 21, 2011

Tom Teasdale  
UIC Section  
Division of Oil and Gas Regulation - OREGON  
2045 Morse Ross Building, 1-3  
Columbus, Ohio 43229-6613

Re: HARSTINE TRUST #0-3301  
Morgan Township, Knox County  
Permit #04392

Dear Mr. Teasdale:

Knox Energy, Inc. hereby requests that you approve the well completion plan for the conversion to a saltwater injection well. The well is located on the Harstine Tract, Section 16, Township 14N, Range 12E, to 4750' in the Belmont Gas Field. The well is being converted to a saltwater injection well. The well is being converted to a saltwater injection well.

Please let me know if you need any information.

Sincerely,

Mark Jancar  
President

