

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: _____

Lease: _____

Well Number: _____

Field: _____

Number of Acres attributable to well: _____

QTR/QTR/QTR/QTR of acreage: _____ - _____ - _____ - _____

Location of Well: County: _____

_____ feet from N / S Line of Section

_____ feet from E / W Line of Section

Sec. _____ Twp. _____ S. R. _____ E W

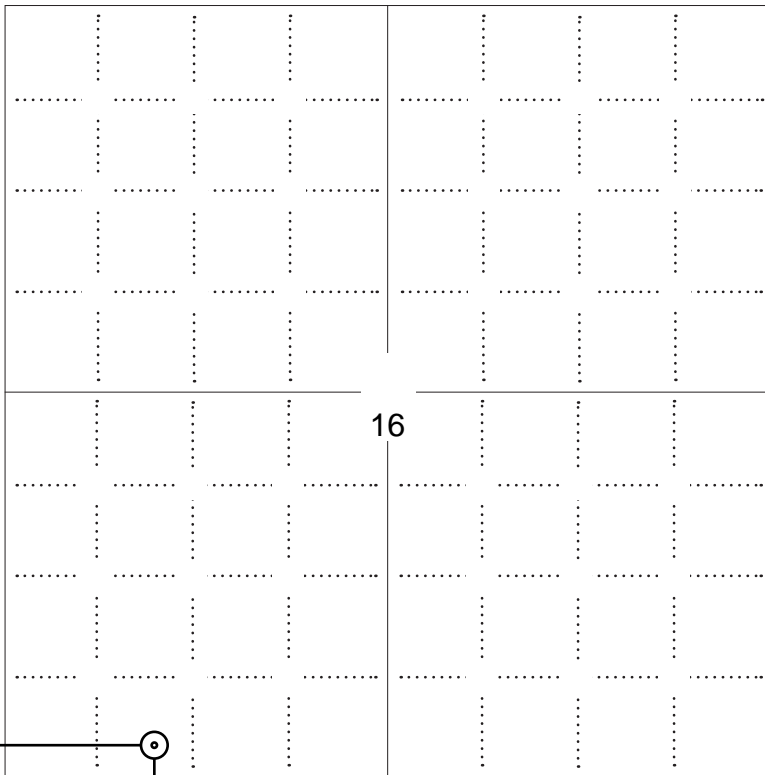
Is Section: Regular or Irregular

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.

224 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.

LEGEND

- Well Location
- Tank Battery Location
- Pipeline Location
- - - - Electric Line Location
- Lease Road Location



1980' FSL

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: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>		Pit is: <input type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No	
How is the pit lined if a plastic liner is not used? _____			
Pit dimensions (all but working pits): _____ Length (feet) _____ Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: _____ (feet) <input type="checkbox"/> No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.	
Distance to nearest water well within one-mile of pit: _____ feet Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input type="checkbox"/> KDWR	
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: _____ Number of working pits to be utilized: _____ Abandonment procedure: _____ Drill pits must be closed within 365 days of spud date.	
Submitted Electronically			

KCC OFFICE USE ONLY			
<input type="checkbox"/> Liner <input type="checkbox"/> Steel Pit <input type="checkbox"/> RFAC <input type="checkbox"/> RFAS			
Date Received: _____ Permit Number: _____ Permit Date: _____ Lease Inspection: <input type="checkbox"/> Yes <input type="checkbox"/> No			



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 (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)

OPERATOR: License # _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____ Fax: (_____) _____
Email Address: _____

Well Location:
____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West
County: _____
Lease Name: _____ Well #: _____

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:

Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____

When filing a Form T-1 involving multiple surface owners, attach an additional 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 county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

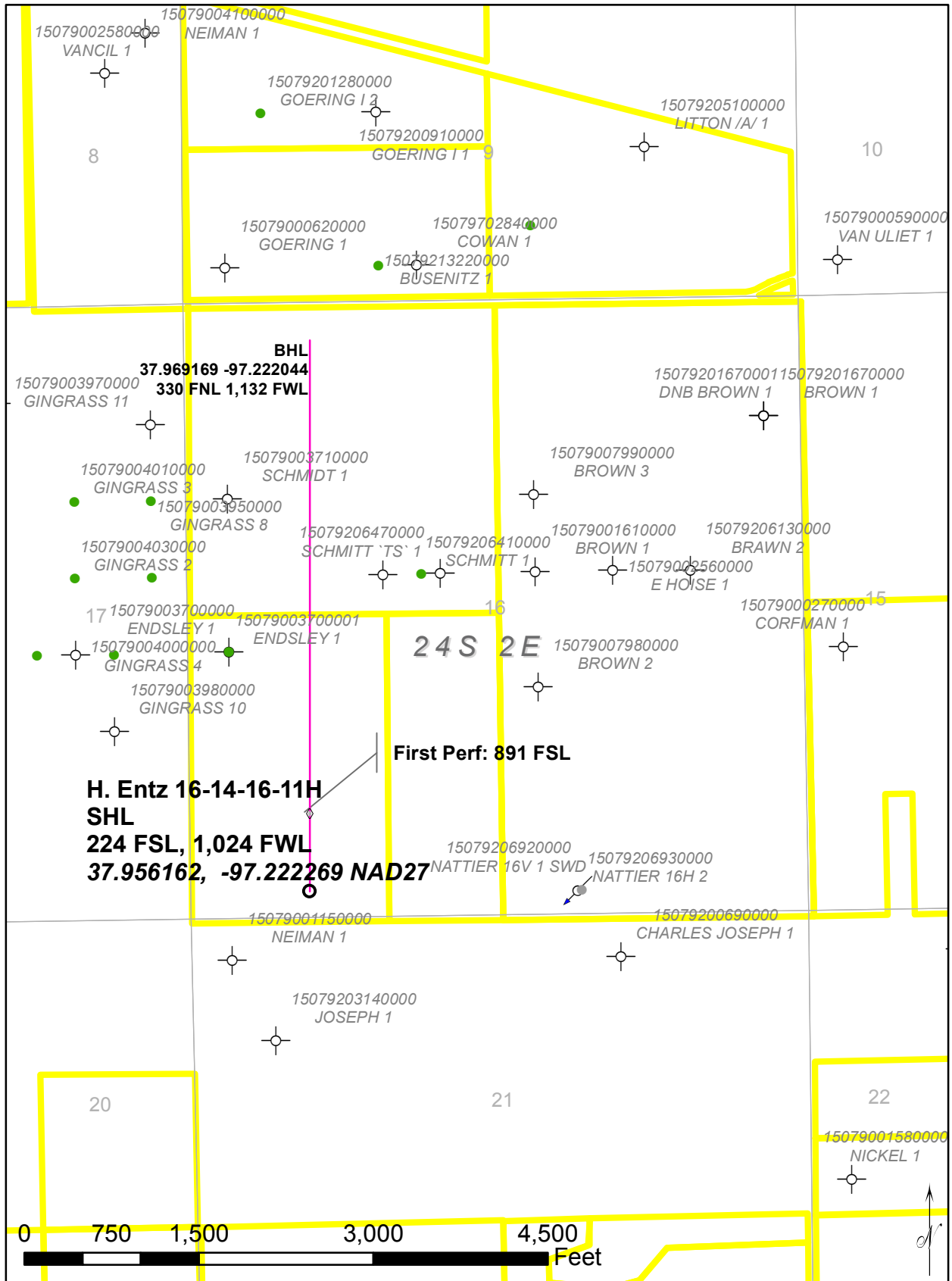
If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

Submitted Electronically

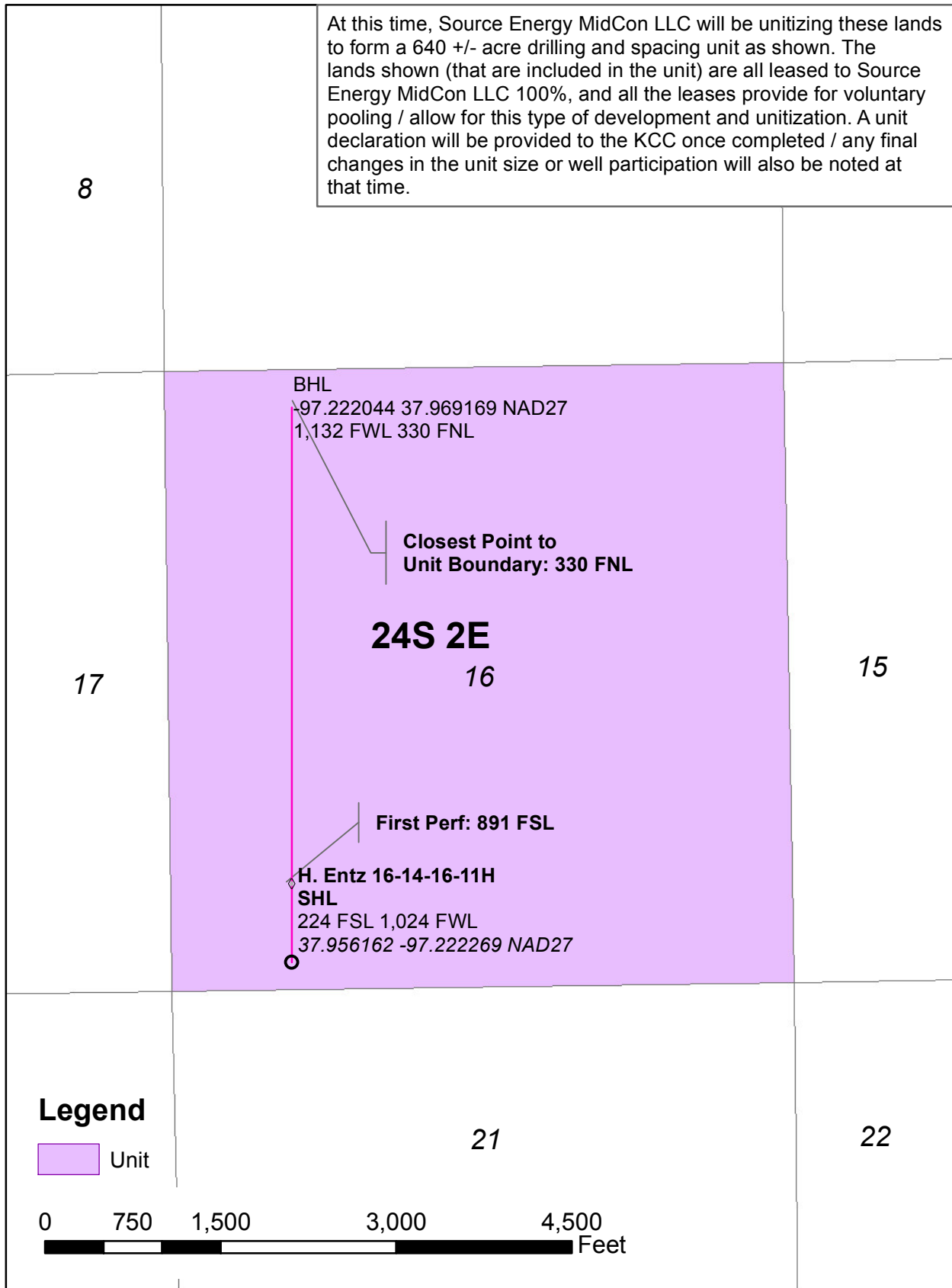
Source Energy MidCon, LLC



H. Entz 16-14-16-11H



Source Energy MidCon, LLC Unit Proposal (NAD27) Proposed Source 640 +/- acre unit



Spot Information

Latitude 37.95609
 Longitude -97.22248
 Section Sec-16 Twp-24 S Rng-2 E
 Quarter Calls SE SE SW SW
 County Harvey
 KCC District 2
 SGA No
 Hutch Salt No
 Elevation 1408 ft

Water Well Information

WWC5 Records: Five Closest Wells & All Public Water Supplies Within a Mile

Dist *	Dist **	Dist ***	Type	Status	Depth	Water Lvl	Owner	WWC5
2782 ft		2785ft	Geothermal, Closed Loop, Vertical	CONSTRUCTED	200 ft		?	PDF
3263 ft		3259ft	Domestic	CONSTRUCTED	80 ft	22 ft	King, Larry	PDF
3263 ft		3259ft	Lawn and Garden - domestic only	CONSTRUCTED	60 ft	6 ft	King, Larry	PDF

* This distance is calculated using geographic tools and a PLSS data layer.

** This distance is calculated using the pythagorean theorem and assuming that the section is exactly 5280 feet square. Also, if the water well is within a mile of the well spot, but is in a neighboring section, then this distance is not calculated.

*** This distance is calculated using UTM coordinates.

KGS Map Viewer - Oil and Gas Wells and Fields

[Section 16-24S-2E](#) (Opens in separate window)

Available Fields Quarter Calls

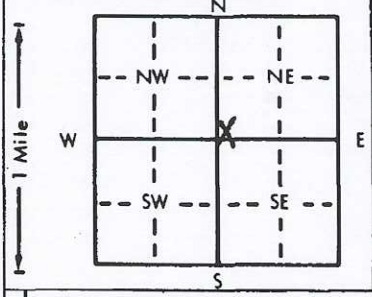
Gingrass ALL



1 LOCATION OF WATER WELL: Fraction SW 1/4 SW 1/4 NE 1/4 Section Number 21 Township Number T 24 S Range Number R 2 E EW
 County: HARVEY
 Distance and direction from nearest town or city street address of well if located within city?
6 1/2 E. of I-35 on 196 Hyway, on N. side of Rd., or 3 1/2 W. of Whitewater, Ks.

2 WATER WELL OWNER: Larry King
 RR#, St. Address, Box # : 2332 N. Richmond Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : Wichita, Ks. Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 80 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. 22 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 22 ft. below land surface measured on mo/day/yr 5/1/81
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter... 11 in. to ft., and in. to ft.
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well
 Was a chemical/bacteriological sample submitted to Department? Yes.....No...X.....; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes X No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Cer-Mac Welded
 2 PVC 4 ABS 7 Fiberglass SDR-26 Styrene Threaded
 Blank casing diameter 5 in. to 22 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 12 in., weight lbs./ft. Wall thickness or gauge No. 203
 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement Same
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) SDR-26
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut .06 11 None (open hole)
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)
 SCREEN-PERFORATED INTERVALS: From 22 ft. to 80 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 14 ft. to 80 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 40' ft. to 14 ft., From ft. to ft.
 What is the nearest source of possible contamination: 7 Pit privy 10 Livestock pens 14 Abandoned water well
Septic System not installed at this time. 11 Fuel storage 15 Oil well/Gas well
 1 Septic tank 4 Lateral lines 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)
 2 Sewer lines 5 Cess pool 9 Feedyard 13 Insecticide storage NONE APPARENT
 3 Watertight sewer lines 6 Seepage pit

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	Topsoil			
3	12	Brown Clay			
12	25	Light Tan Clay			
25	35	Light Tan Shale			
35	80	Blue Shale			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 5/1/81 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 236 This Water Well Record was completed on (mo/day/yr) 7-16-81 under the business name of Harp Well & Pump Serv., Inc. by (signature) M. Arnold

INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
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WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: <u>HARVEY</u>	Fraction <u>NE 1/4 NW 1/4 NE 1/4</u> 1/4	Section Number <u>521</u>	Township No. T <u>24</u> S	Range Number R <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here
1/2 MILE WEST OF S. EAST LAKE RD.
600' S. OF KS-196

Global Positioning System (GPS) information:
 Latitude: (in decimal degrees)
 Longitude: (in decimal degrees)
 Elevation:
 Datum: WGS 84, NAD 83, NAD 27
 Collection Method:
 GPS unit (Make/Model:)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

2 WATER WELL OWNER:
 RR#, Street Address, Box #:
 City, State, ZIP Code :

3 LOCATE WELL WITH AN "X" IN SECTION BOX:
 N

-- NW --	X	-- NE --	
-- SW --		-- SE --	

S
-----1 mile-----

4 DEPTH OF COMPLETED WELL ~~20200~~ 20200/180100 ft.

Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.
 WELL'S STATIC WATER LEVEL.....ft. below land surface measured on mo/day/yr.....
 Pump test data: Well water was.....ft. after..... hours pumping..... gpm
 EST. YIELD.....gpm. Well water was.....ft. after..... hours pumping..... gpm
 Bore Hole Diameter5 in. to 0-100 ft., and 0-200 in. toft.
 WELL WATER TO BE USED AS: Public water supply Geothermal Injection well
 Domestic Feedlot Oil field water supply Dewatering Other (Specify below)
 Irrigation Industrial Domestic-lawn & garden Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes No
 If yes, mo/day/yr sample was submitted.....
 Water well disinfected? Yes No

5 TYPE OF CASING USED: Steel PVC Other Poly
 CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter3/4 in. to 100/200 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface..... in., Weightlbs./ft., Wall thickness or gauge No.
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify)
 Brass Galvanized Steel None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify)
 SCREEN-PERFORATED INTERVALS: From..... ft. to ft., From ft. to ft.
 From..... ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From..... ft. to ft., From ft. to ft.
 From..... ft. to ft., From ft. to ft.

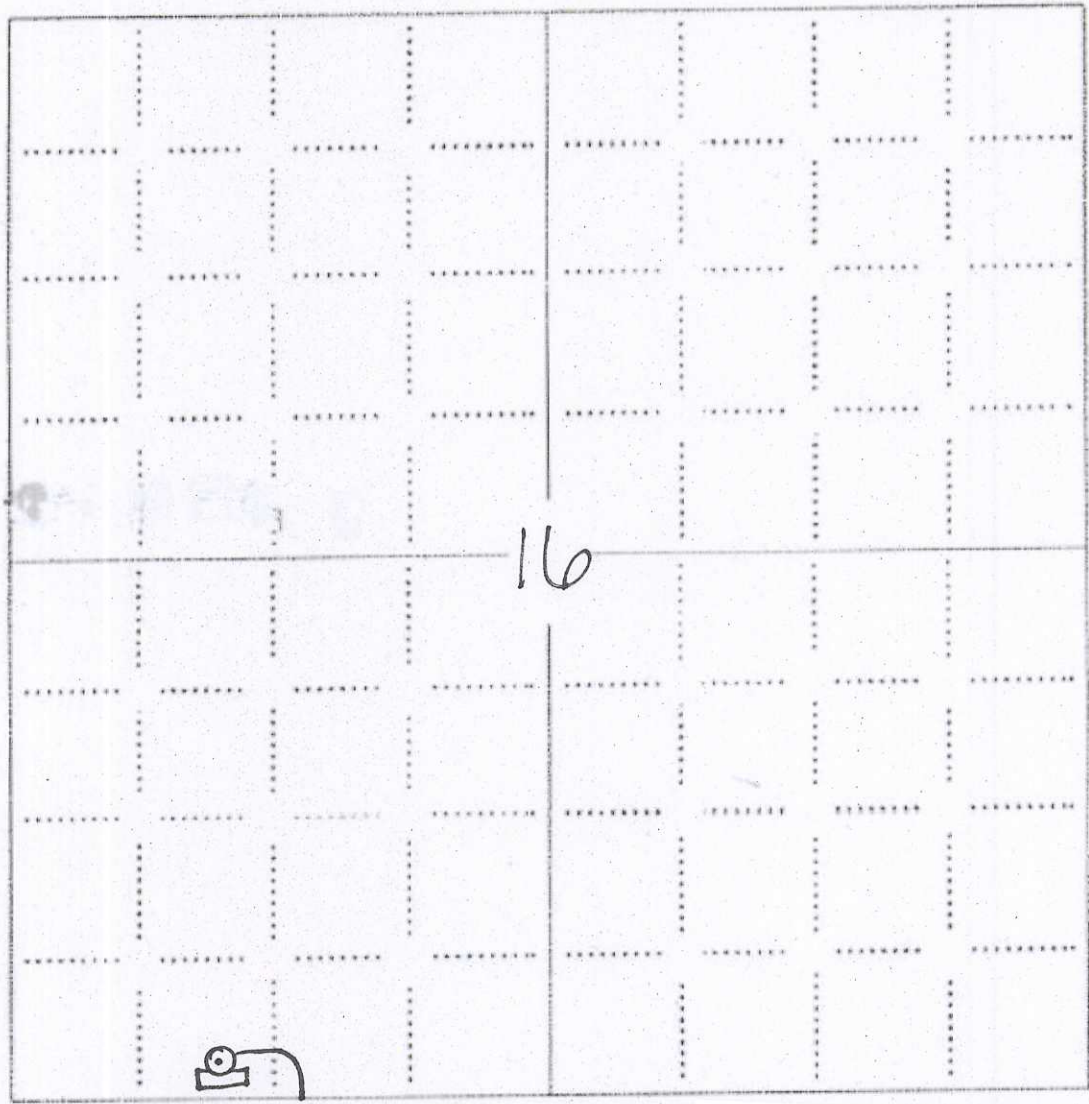
6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
 Grout Intervals: From 0 ft. to 100/200 ft., From ft. to ft., From ft. to ft.
 What is the nearest source of possible contamination:
 Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well
 Direction from well ...SOUTH..... Distance from well ..200.....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	10	TOPSOIL			
10	60	CLAY			
60	100	SHALE			
100	200	CLAY SHALE MIX			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 10-19-2012 and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. 835 This Water Well Record was completed on (mo/day/year) 10-30-2012
 under the business name of BIGGALL GEOTECHNICAL DRILLING by (signature) [Signature]

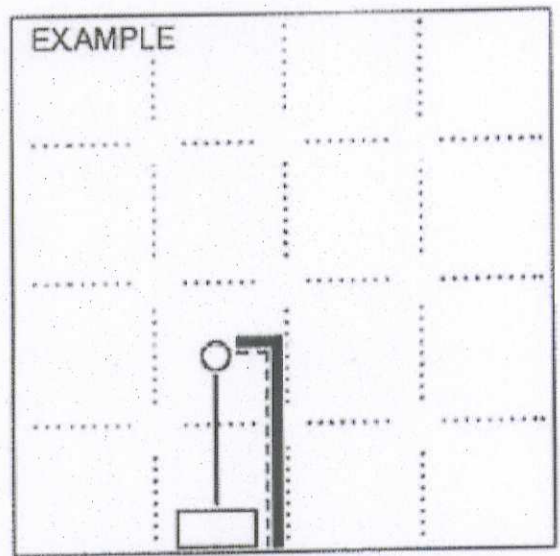
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

You may attach a separate plat if desired.



LEGEND

- Well Location
- Tank Battery Location
- Pipeline Location
- - - - Electric Line Location
- ▬ Lease Road Location



1024
FWL

224
FSL

H. Entz 16-14-16-11H Harvey County

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).