

**WATER WELL RECORD**

**Form WWC-5**

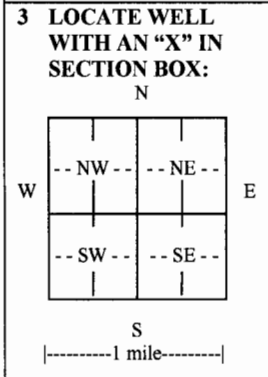
Division of Water Resources App. No.  

<b>1 LOCATION OF WATER WELL:</b> County: <b>Cherokee</b>	Fraction <b>NW 1/4 SW 1/4 SW 1/4 SE 1/4</b>	Section Number <b>34</b>	Township No. <b>T 31 S</b>	Range Number <b>R 24</b> <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 .  
**307 S. Lincoln Street, Weir, KS**

**Global Positioning System (GPS) information:**  
 Latitude: **37.3076111**..... (in decimal degrees)  
 Longitude: **94.7735277**..... (in decimal degrees)  
 Elevation: **99.55 arbitrary onsite benchmark used**  
 Datum:  WGS 84,  NAD 83,  NAD 27  
 Collection Method:  
 GPS unit (Make/Model: **Garmin/Etrex**.....)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
 Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m

**2 WATER WELL OWNER:** **MFA Incorporated**  
 RR#, Street Address, Box #: **201 Rav Young Drive**  
 City, State, ZIP Code : **Columbia, MO 65201**



**4 DEPTH OF COMPLETED WELL** **10.4**..... ft.

Depth(s) Groundwater Encountered (1) **NA**..... ft. (2)..... ft. (3)..... ft.

WELL'S STATIC WATER LEVEL **NA**..... ft. below land surface measured on mo/day/yr. **2/9/2010**.....

Pump test data: Well water was **NA**..... ft. after..... hours pumping..... gpm

EST. YIELD **NA**..... gpm. Well water was..... ft. after..... hours pumping..... gpm

Bore Hole Diameter **8.25**..... in. to **10.4**..... ft., and ..... in. to ..... ft.

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 **NA**.....

Water well disinfected?  Yes  No

**5 TYPE OF CASING USED:**  Steel  PVC  Other .....

CASING JOINTS:  Glued  Clamped  Welded  Threaded  
 Casing diameter **2**..... in. to **10.4**..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface **0**..... in., Weight ..... lbs./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 **5.4**..... ft. to **10.4**..... 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 **0.5**..... ft. to **4.4**..... 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 **northeast**..... Distance from well **20 feet**.....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0'	0.5'	Concrete			
0.5'	2'	gravel			
2'	10.4	orange-brown clay w/ gray mottling			

**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) **2/9/2010**..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **772**..... This Water Well Record was completed on (mo/day/year) **2/15/2010**..... under the business name of **Barker Lemar Engineering Consultants**..... 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 785-296-5522. 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>.

**SOIL BORING LOG & MONITORING WELL CONSTRUCTION DIAGRAM**

Boring / Well Number: <b>MW-2 (0144281)</b>	Facility Name: <b>Former Cash Grain - MFA Weir</b>	Facility Street Address: <b>307 S. Lincoln Street, Weir, KS</b>
Boring Depth (ft) X Diameter (in): <b>10.4' x 8.25"</b>		Drilling Method: <b>Hollow Stem Auger</b>
Well Contractor Name: <b>Sid Juwarker</b> Registration Number: <b>772</b>		Logged By: <b>Leah Calvert</b>

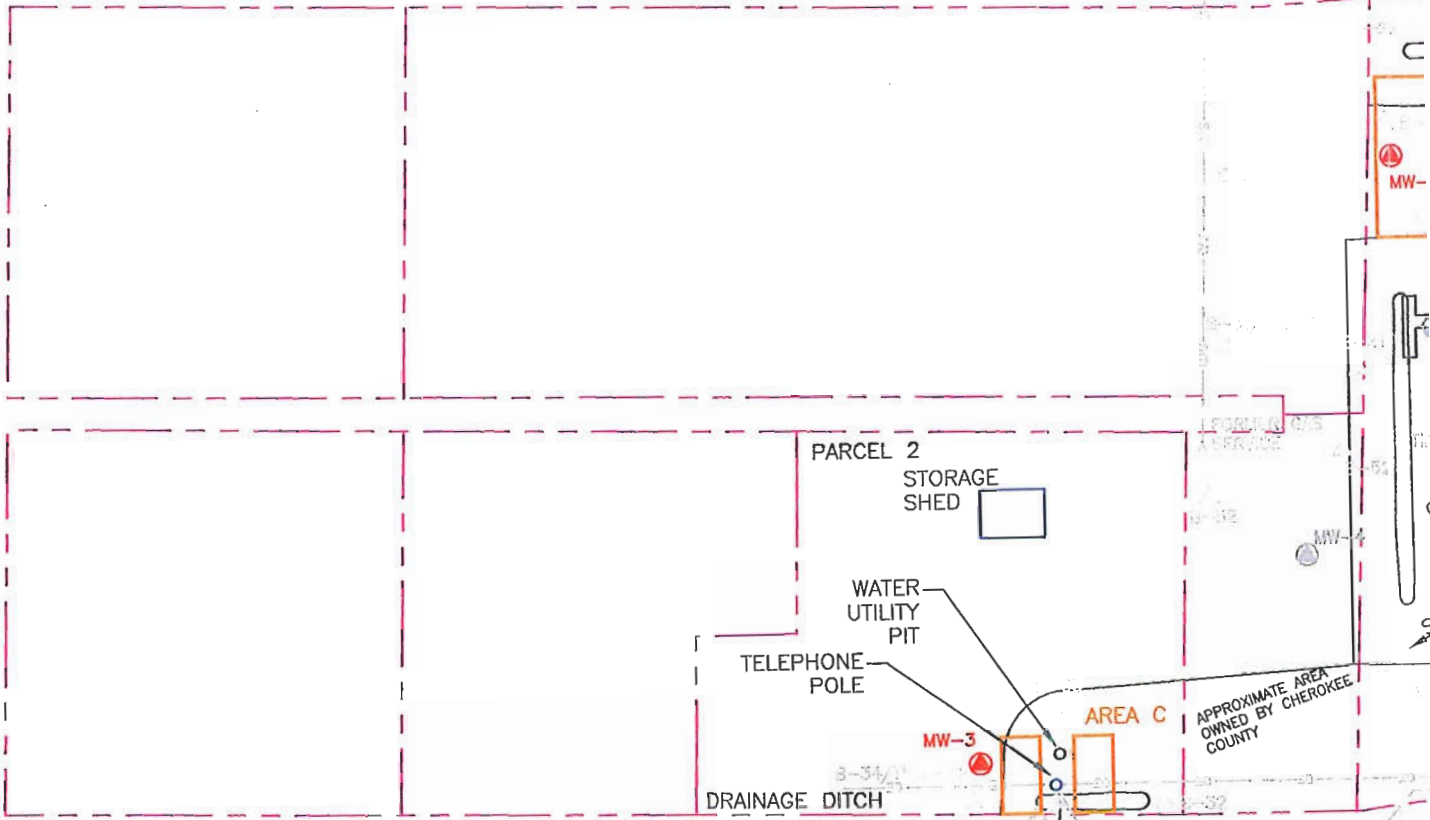
Ground Surface Elevation (ASL): <b>99.75</b>	Top of Casing Elevation (ASL): <b>99.55</b>
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Date: <b>2/9/2010</b>	Date: <b>2/9/2010</b>	UST Number	LUST Number
Start Time: <b>10:00 am</b>	End Time: <b>10:50 am</b>		

Depth Feet	Well Construction Details	Blow Count if applicable	Sample		PID/FID Reading	Rock Formations, Soil Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
			No.	Type*		
0	<p style="text-align: center;">GPS Coordinates N 37° 18' 27.4" W 94° 46' 24.7"</p>					0 - 6" concrete
1.25						6" - 2' gravel
2.5						2 - 10.4 orange-brown clay w/ gray mottling
3.75						
5						
6.25						
7.5						
8.75						
10						
11.25						
12.5						
13.75						
15						

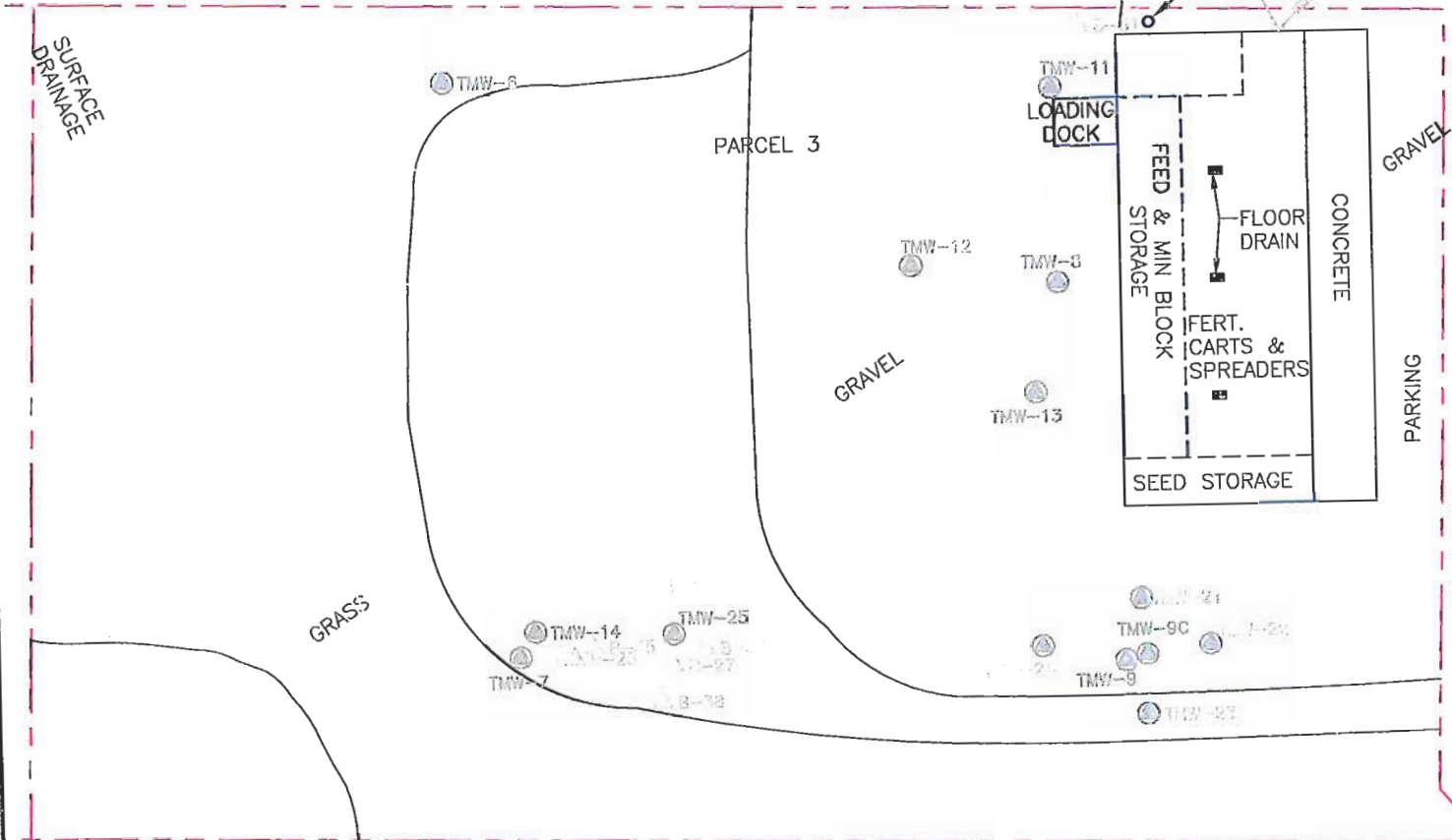
\* SS (split spoon) HS (hollow stem auger) HA (hand auger)

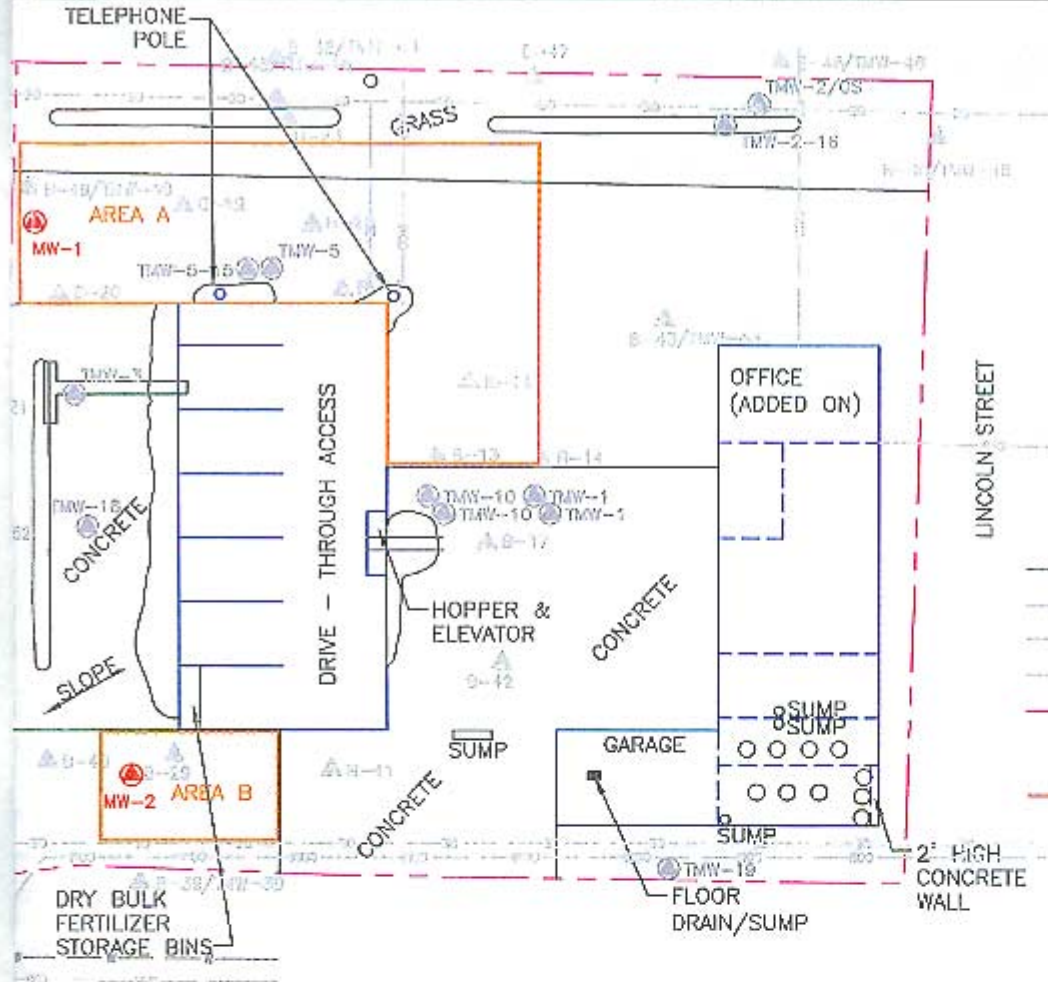
Observations	Date:	<b>2/9/2010</b>			
Water Levels (ASL)	Level:				
Static Water Level Symbol ▼	Time:	<b>No Water</b>			



SYCAMORE STREET

SURFACE DRAINAGE



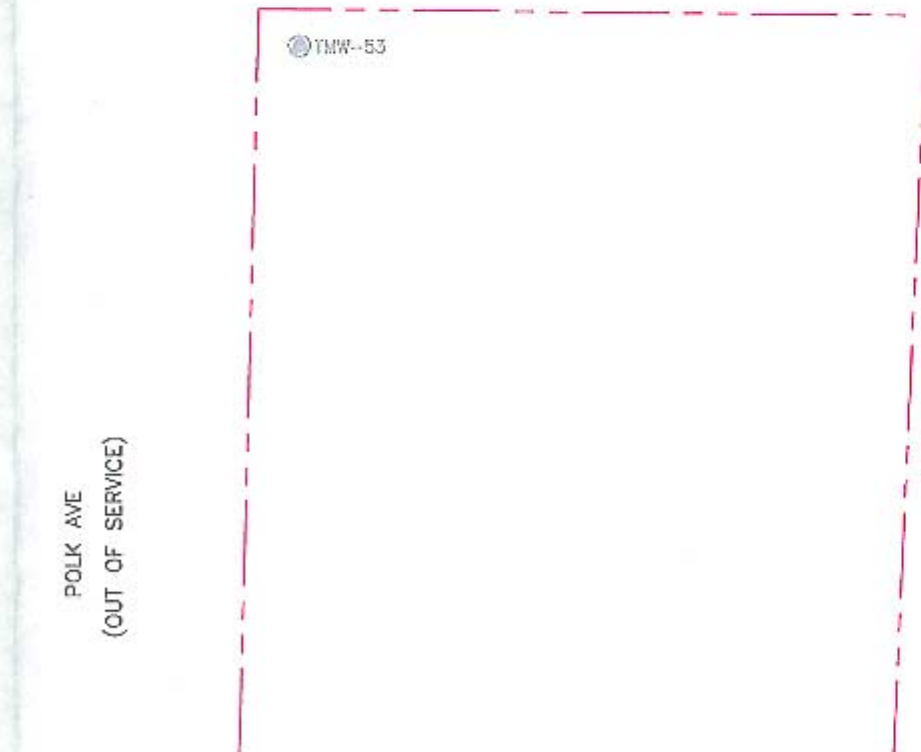


SCALE



**LEGEND**

- APPROXIMATE MONITORING WELL LOCATION
- APPROXIMATE TEMPORARY MONITORING WELL LOCATION
- SOIL BORING LOCATION
- WATER LINE
- OVERHEAD ELEC LINE
- COMMUNICATIONS/TELEPHONE
- NATURAL GAS LINE
- PROPERTY BOUNDARY
- BUILDING
- EXCAVATION BOUNDARY



UPDATED SITE MAP  
 FORMER CASH GRAIN  
 307 S. LINCOLN, WEIR, KS  
 PROJECT NO. MFAIN WE006  
 FEBRUARY 2010

**BARKER LEMAR**  
 ENGINEERING CONSULTANTS

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