

WATER WELL RECORD **A5-7**

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Sedgwick		Fraction ¼ SW ¼ SW ¼ NW ¼	Section Number 6	Township No. T 26 S	Range Number R / <input checked="" type="checkbox"/> E <input type="checkbox"/> W																																																																								
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> 1120 South Meridian Ave, Valley Center, KS			Global Positioning System (GPS) information: Latitude: 37.81805 (in decimal degrees) Longitude: 97.37175 (in decimal degrees) Elevation: unknown Datum: <input checked="" type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: Garmin Geko 201) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input checked="" type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																																										
2 WATER WELL OWNER: BP Amoco RR#, Street Address, Box #: Box 15748 City, State, ZIP Code : Shawnee Mission, KS 66285																																																																													
3 LOCATE WELL WITH AN "X" IN SECTION BOX: <div style="text-align: center;"> </div>		4 DEPTH OF COMPLETED WELL 39 ft. Depth(s) Groundwater Encountered (1) 15 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL unknown 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 Diameter 7.25 in. to 39 ft., and in. to ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input checked="" type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input type="checkbox"/> Monitoring well air sparge point Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted. Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																											
5 TYPE OF CASING USED: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter 1 in. to 36.5 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface 0 in., Weight 1.679 lbs./ft., Wall thickness or gauge No. 0.133"/Sch 40 TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Stainless Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous slot <input type="checkbox"/> Mill slot <input type="checkbox"/> Gauze wrapped <input type="checkbox"/> Torch cut <input type="checkbox"/> Drilled holes <input type="checkbox"/> None (open hole) <input type="checkbox"/> Louvered shutter <input type="checkbox"/> Key punched <input checked="" type="checkbox"/> Wire wrapped <input type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify) SCREEN-PERFORATED INTERVALS: From 36.5 ft. to 39 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 34.5 ft. to 39 ft., From ft. to ft., From ft. to ft.																																																																													
6 GROUT MATERIAL: <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other Grout Intervals: From 4 ft. to 34.5 ft., From ft. to ft., From ft. to ft. What is the nearest source of possible contamination: <input type="checkbox"/> Septic tank <input type="checkbox"/> Lateral lines <input type="checkbox"/> Pit privy <input type="checkbox"/> Livestock pens <input type="checkbox"/> Insecticide storage <input type="checkbox"/> Other (specify below) <input type="checkbox"/> Sewer lines <input type="checkbox"/> Cesspool <input type="checkbox"/> Sewage lagoon <input checked="" type="checkbox"/> Fuel storage <input type="checkbox"/> Abandoned water well <input type="checkbox"/> Watertight sewer lines <input type="checkbox"/> Seepage pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer storage <input type="checkbox"/> Oil well/gas well Direction from well unknown Distance from well unknown																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">FROM</th> <th style="width: 10%;">TO</th> <th style="width: 40%;">LITHOLOGIC LOG</th> <th style="width: 10%;">FROM</th> <th style="width: 10%;">TO</th> <th style="width: 20%;">LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>Light olive brown clay and silt</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>11</td> <td>Light olive gray silt with sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td>12</td> <td>Light olive gray very fine sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>12</td> <td>13</td> <td>Light olive gray silt</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13</td> <td>38.5</td> <td>Sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>38.5</td> <td>39</td> <td>Olive brown clay</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	10	Light olive brown clay and silt				10	11	Light olive gray silt with sand				11	12	Light olive gray very fine sand				12	13	Light olive gray silt				13	38.5	Sand				38.5	39	Olive brown clay																																	
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo/day/year) 6/15/09 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 616 This Water Well Record was completed on (mo/day/year) 8/17/09 under the business name of Thiele Geotech, Inc. by (signature) <i>[Signature]</i>																																																																													
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 .																																																																													



ENSR | AECOM

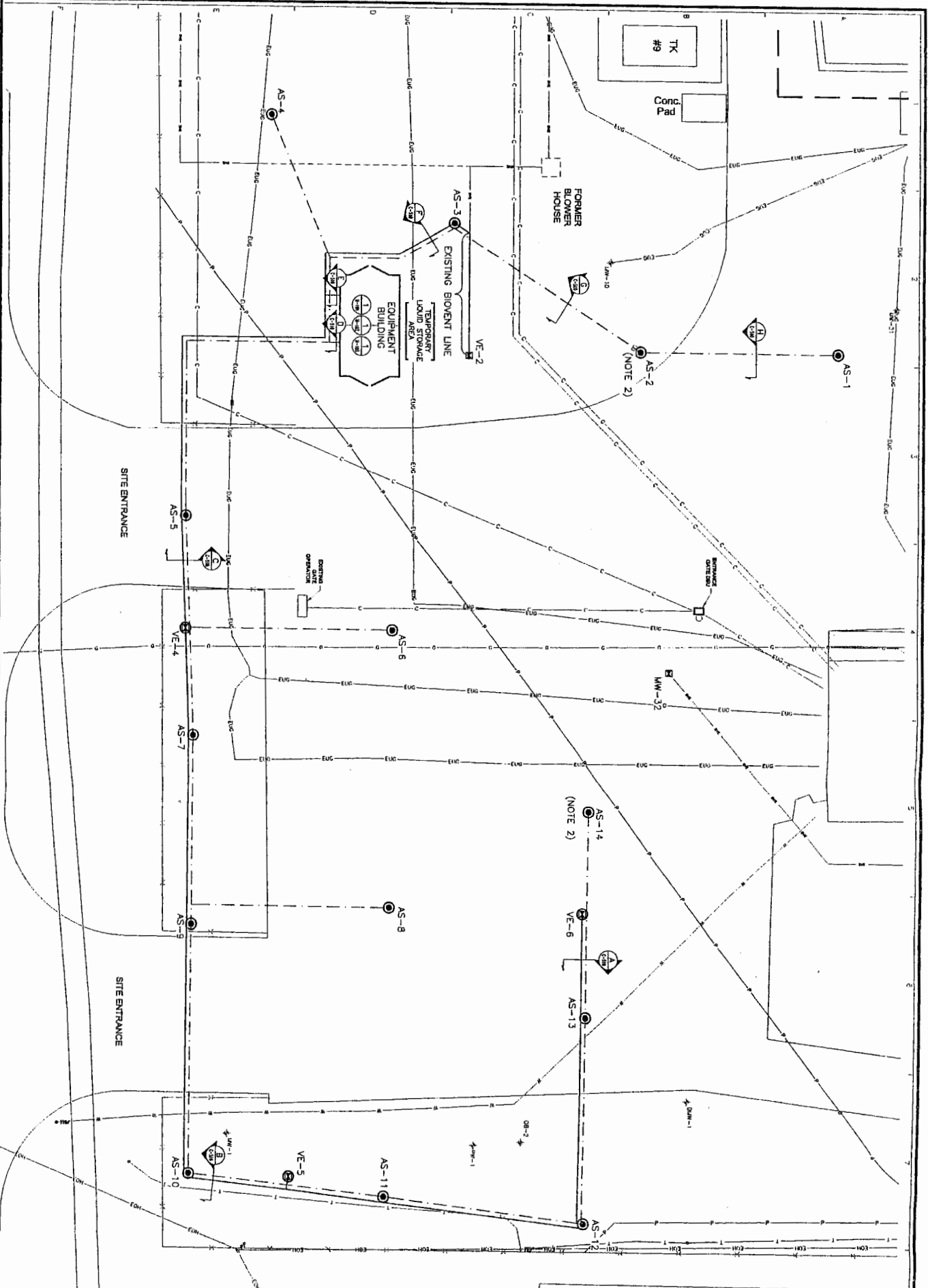
ENSIR CORPORATION
1726 Coile Blvd., Bldg. 22, Sta. 150, Golden, Colorado
Phone: (303) 274-2126 Fax: (303) 277-0110
www.ensir.com

TOLL FREE NUMBER: 01007-277-500

DATE: 09/25/20

BIOSPARGE/BIOVENT SYSTEM DESIGN

1



	BOSSPARE POINTS	SITE ID	EASTING	NORTHING
	AS-1	153455.102	173561.17	
	AS-2	153458.111	173561.76	
	AS-3	153467.729	173566.47	
	AS-4	153470.238	173567.89	
	AS-5	153492.130	173564.18	
	AS-6	153494.131	173564.18	
	AS-7	153492.131	173564.01	
	AS-8	153495.06	173564.56	
	AS-9	153492.131	173562.74	
	AS-10	153492.131	173563.50	
	AS-11	153500.04	173564.50	
	AS-12	153500.04	173564.50	
	AS-13	153500.04	173564.50	
	AS-14	153500.12	173564.50	
BOWEN WELLS				
	WE-2	153487.633	173568.53	
	WE-4	153489.195	173568.17	
	WE-5	153482.401	173564.08	
	WE-6	153482.401	173564.08	

- NOTES:
1. INFORMATION AND DATA SHOWN OR INDICATED ON THIS DRAWING WITH RESPECT TO EXISTING UTILITIES AND FACILITIES SHOULD NOT BE CONSIDERED ACCURATE REPRESENTATIONS OF ACTUAL SITE CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL LOCATIONS.
 2. CAP AND ENCASE SPARE LINES IN WELL BOX.

LOCAL ONE-CALL CENTER
DRAFT



VERIFY SCALES
BAR IS ONE INCH ON
ORIGINAL DRAWING

0 1" 2" 3" 4" 5" 6" 7" 8" 9" 10"

IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALE ACCORDINGLY

- | LEGEND | |
|--------------------|------------------------------------|
| VE-2 ■ | EXISTING BIOVENT WELL |
| — | EXISTING BIOVENT CONVEYANCE LINE |
| — | EXISTING MONTPOUR WELL |
| — | PROPOSED BIOVENT CONVEYANCE LINE |
| ⓑ | PROPOSED BIOVENT WELL |
| — | PROPOSED BIOSEAPGE CONVEYANCE LINE |
| ● | PROPOSED BIOSEAPGE POINT |
| EXISTING UTILITIES | |
| — | Buried Gas line |
| — | Domestic Water Line |
| — | Buried Electric Line |
| — | Overhead Electric Line |
| — | Buried Telephone Line |
| — | Buried or above ground pipeline |
| — | Stormwater |
| — | Buried Conduit |