

**WATER WELL RECORD**

**Form WWC-5**

Division of Water Resources App. No.

MW-SVE

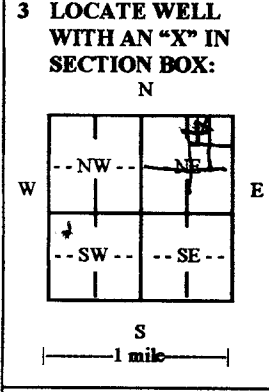
<b>1 LOCATION OF WATER WELL:</b> County: <b>Meade</b>	Fraction <b>NE ¼ NE ¼ NW ¼ NE ¼</b>	Section Number <b>11</b>	Township No. <b>T 32 S</b>	Range Number <b>R 28</b> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here .  
**Carthage & State Street**

**Global Positioning System (GPS) information:**  
Latitude: **37.285189** (in decimal degrees)  
Longitude: **100.331924** (in decimal degrees)  
Elevation: .....

**2 WATER WELL OWNER:** **City of Meade**  
RR#, Street Address, Box #: **132 S. Fowler**  
City, State, ZIP Code : **Meade, KS 67864**

Datum:  WGS 84,  NAD 83,  NAD 27  
Collection Method:  
 GPS unit (Make/Model: **Google Earth**)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m



**4 DEPTH OF COMPLETED WELL 35.0'** ft

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

WELL'S STATIC WATER LEVEL **18.97'** ft. below land surface measured on mo/day/yr. **12/15**

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 **10.5'** in. to **35.0'** 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.....

Water well disinfected?  Yes  No

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

CASING JOINTS:  Glued  Clamped  Welded  Threaded

Casing diameter **4.0'** in. to **10.0'** ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft.

Casing height above land surface: **Flush** in., Weight..... lbs./ft., Wall thickness or gauge No. **Sch.40**

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 **10.0'** ft. to **35.0'** ft., From..... ft. to..... ft.  
From..... ft. to..... ft., From..... ft. to..... ft.

GRAVEL PACK INTERVALS: From **8.0'** ft. to **35.0'** 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 **1.0'** ft., From **1.0'** ft. to **8.0'** 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..... Distance from well.....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		See Boring Log			

**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) **12/14/2015**... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **606**..... This Water Well Record was completed on (mo/day/year) **01/27/2016** under the business name of **PSA Environmental Services, LLC** by (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>.

# SCS AQUATERRA

LOG OF BORING NO.: **SVE**

SHEET NUMBER 1 of 2

7311 West 130th St, Overland Park, KS 66213

DRILLING CONTRACTOR: **PSA**

**WELL CONSTRUCTION DETAILS**

CLIENT: **City of Meade**

DRILLER:

MATERIAL: **PVC**

PROJECT NAME: **Former Alley Oil**

DRILLING RIG: **GeoProbe**

DIAMETER: **4 IN**

PROJECT NUMBER: **27215218.00**

DRILLING METHOD: **Hollow Stem Augers**

WELL TOTAL DEPTH: **35 FT BGS**

PROJECT LOCATION: **Carthage and State Street**

SAMPLING METHOD: **Grab**

SCREEN LENGTH: **25 FT**

BORING LOCATION:

BORING DIAMETER: **8.5"**

RISER LENGTH: **10 FT**

AES PROJECT NO: **27215218.00**

WELL DIAMETER: **4"**

TOP OF SCREEN: **10 FT BGS**

AES GEOLOGIST: **Alex McCormick**

WELL COMPLETION: **Flushmount**

BOTTOM OF SCREEN: **35 FT BGS**

START DATE: **12/14/15**

FINISH DATE: **12/14/15**

SURFACE ELEVATION: **2445.05**

SCREEN SLOT: **0.010 IN**

START TIME: **1050**

FINISH TIME: **1210**

TOC ELEVATION: **2444.46**

TOP OF FILTER PACK: **8 FT BGS**

WATER LEVEL: **18.79**

TOP OF SEAL: **6 FT BGS**

WATER ELEVATION: **2425.67**

TYPE OF SEAL: **Bentonite Chips**

DATE:

TYPE OF FILTER PACK: **Silica Sand**

SAMPLE TYPE	SAMPLE DEPTH	PID (PPM)	RECOVERY (INCHES)	DEPTH IN FEET	USCS CLASS	C I
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**SOIL DESCRIPTION AND DRILLING CONDITIONS**

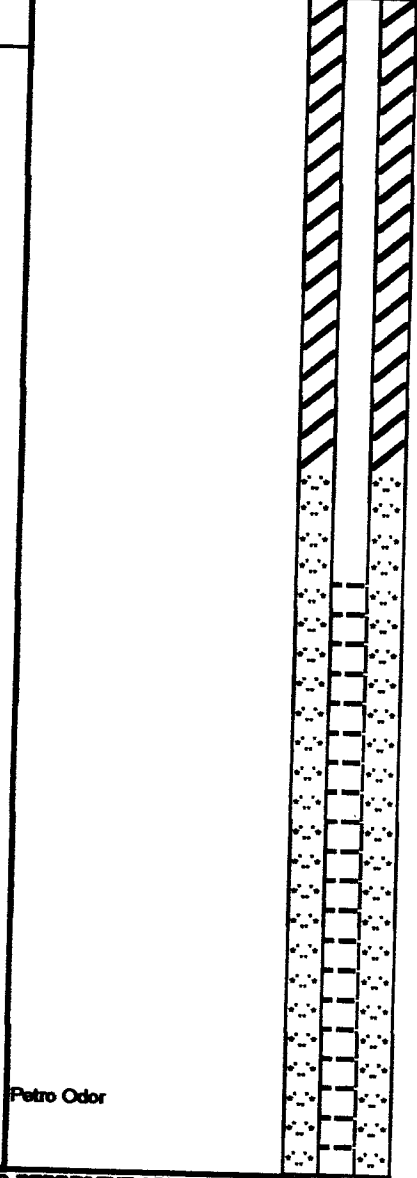
**NOTES AND WELL CONSTRUCTION**

SAMPLE TYPE	SAMPLE DEPTH	PID (PPM)	RECOVERY (INCHES)	DEPTH IN FEET	USCS CLASS	C I
				1		
				2		
	0-5	0.5		3		
				4		
				5		
				6		
	5-10	1.3		7		
				8		
				9		
				10		
				11		
	10-15	2		12		
				13		
				14		
				15		
				16		
				17		
	15-20	55		18		
				19		
				20		

Concrete, Gravel mix

CLAY, sandy, brown to dark brown, slightly moist

SAND, moist, coarse grained, brown to light brown to gray



Petro Odor

**LEGEND:**

- SS - Split Spoon
- CS - 5 foot CME Sampler
- ST - Shelby Tube
- PID - Photoionization Detector
- PP - Pocket Penetrometer
- HSA - Hollow Stem Augers
- HA - Hand Auger
- WB - Wash Bore
- RB - Rock Bit
- NX - Rock Core

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY LINES BETWEEN SOIL AND ROCK TYPES: ACTUAL TRANSITIONS MAY BE GRADUAL

# SCS AQUATERRA

LOG OF BORING NO.: **SVE**

SHEET NUMBER 2 of 2

7311 West 130th, Overland Park, KS 66213

GEOLOGIST: **Alex McCormick**

CLIENT: **City of Meade**

DATE:

PROJECT NAME: **Former Alley Oil**

PROJECT NUMBER: **27215218.00**

SAMPLER TYPE	SAMPLE DEPTH	PID (PPM)	RECOVERY (INCHES)	DEPTH IN FEET	USCS CLASS	C I	SOIL DESCRIPTION AND DRILLING CONDITIONS	NOTES AND WELL CONSTRUCTION		
	20-25	276		21			SAND, moist, coarse grained, brown to light brown to gray	Petro Odor		
				22						
				23						
				24						
				25						
	25-30	208		26						
				27						
				28						
				29						
				30						
	30-35	191		31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						
									End of Boring at 35'	

**LEGEND:**

- SS - Split Spoon
- CS - 5 foot CME Sampler
- ST - Shelby Tube
- FID - Photoionization Detector
- PP - Pocket Penetrometer
- HSA - Hollow Stem Augers
- HA - Hand Auger
- WB - Wash Bore
- RB - Rock Bit
- NX - Rock Core

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY LINES BETWEEN SOIL AND ROCK TYPES: ACTUAL TRANSITIONS MAY BE GRADUAL.