

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID CP 13

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: PAWNEE	Fraction ¼ NW ¼ NW ¼ NW ¼	Section Number 29	Township Number T 23 S	Range Number R 18 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
--	------------------------------	----------------------	---------------------------	---

2 WELL OWNER: Last Name: First: Business: MAGELLAN MIDSTREAM Address: ONE WILLIAMS CENTER Address: City: TULSA State: OK ZIP: 74172	Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: <input type="checkbox"/> HWY 183 & CR C - WEST 1 MILE TO 240TH AVE - S. ON 240TH AVE 600@ TO MAGELLAN ROW - KINSLEY, KS
--	--

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

	NW	NE	
W	X	X	E
	SW	SE	
	S		

----- 1 mile -----

4 DEPTH OF COMPLETED WELL: 400 ft.
Depth(s) Groundwater Encountered: 1) ft.
2) ft. 3) ft., or 4) Dry Well
WELL'S STATIC WATER LEVEL: ft.
 below land surface, measured on (mo-day-yr)
 above land surface, measured on (mo-day-yr)
Pump test data: Well water was ft.
after hours pumping gpm
Well water was ft.
after hours pumping gpm
Estimated Yield: gpm
Bore Hole Diameter: in. to ft. and
..... in. to ft.

5 Latitude: 38.028003 (decimal degrees)
Longitude: -99.332207 (decimal degrees)
Horizontal Datum: WGS 84 NAD 83 NAD 27
Source for Latitude/Longitude:
 GPS (unit make/model:)
(WAAS enabled? Yes No)
 Land Survey Topographic Map
 Online Mapper: **GOOGLE EARTH**

6 Elevation: 2151 ft. Ground Level TOC
Source: Land Survey GPS Topographic Map
 Other

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock 2. <input type="checkbox"/> Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID 6. <input type="checkbox"/> Dewatering: how many wells? 7. <input type="checkbox"/> Aquifer Recharge: well ID 8. <input type="checkbox"/> Monitoring: well ID 9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease 11. Test Hole: well ID <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12. Geothermal: how many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water 13. <input checked="" type="checkbox"/> Other (specify): CATHODIC PROTECTION
---	--	---

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted:

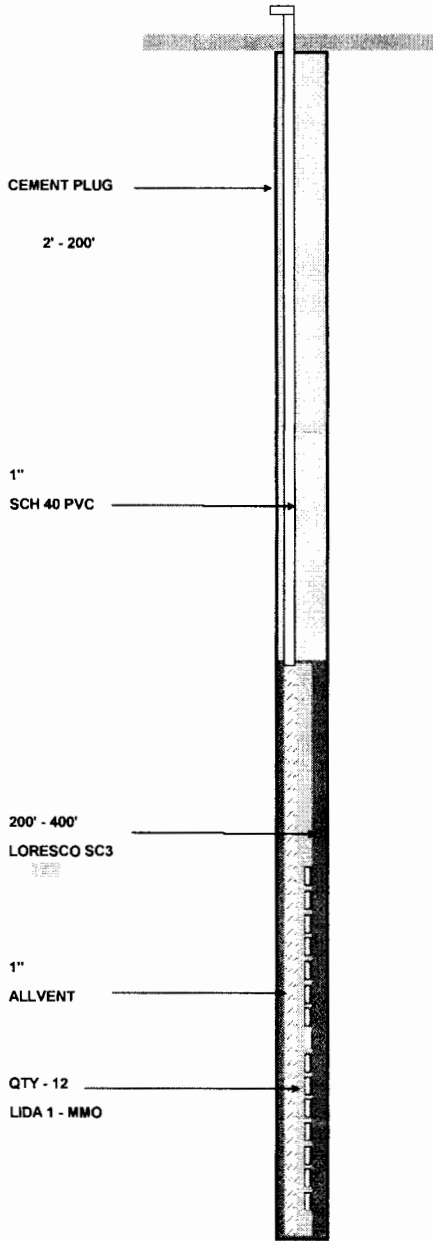
Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other **CASING JOINTS:** Glued Clamped Welded Threaded
 Casing diameter 10.75 in. to ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface in. Weight 11.13 lbs./ft. Wall thickness or gauge No. 21
TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel Fiberglass PVC Other (Specify)
 Brass Galvanized Steel Concrete tile None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE:
 Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify)
 Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole)
SCREEN-PERFORATED INTERVALS: 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.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
 Grout Intervals: From 3 ft. to 115 ft., From ft. to ft., From ft. to ft.
Nearest source of possible contamination:
 Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage
 Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well
 Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well
 Other (Specify)
 Direction from well? **SOUTHWEST** Distance from well? 400' ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	45	CLAY			
45	55	SAND			
55	100	TAN CLAY			
100	125	RED CLAY			
125	225	LIGHT COLORED SHALE			
225	400	GREY SHALE			
Notes:					

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 08/09/2016 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 922. This Water Well Record was completed on (mo-day-year) under the business name of **BILLS WATER WELL SERVICE**. Signature *[Signature]*



DEPTH	DRILLING LOG - SOIL COMPOSITION		
0	CLAY	210	LIGHT COLORED SHALE
5	CLAY	215	LIGHT COLORED SHALE
10	CLAY	220	LIGHT COLORED SHALE
15	CLAY	225	GRAY SHALE
20	CLAY	230	GRAY SHALE
25	CLAY	235	GRAY SHALE
30	CLAY	240	GRAY SHALE
35	CLAY	245	GRAY SHALE
40	CLAY	250	GRAY SHALE
45	CLAY	255	GRAY SHALE
50	SAND	260	GRAY SHALE
55	TAN CLAY	265	GRAY SHALE
60	TAN CLAY	270	GRAY SHALE
65	TAN CLAY	275	GRAY SHALE
70	TAN CLAY	280	GRAY SHALE
75	TAN CLAY	285	GRAY SHALE
80	TAN CLAY	290	GRAY SHALE
85	TAN CLAY	295	GRAY SHALE
90	TAN CLAY	300	GRAY SHALE
95	TAN CLAY	305	GRAY SHALE
100	RED CLAY	310	GRAY SHALE
105	RED CLAY	315	GRAY SHALE
110	RED CLAY	320	GRAY SHALE
115	RED CLAY	325	GRAY SHALE
120	RED CLAY	330	GRAY SHALE
125	LIGHT COLORED SHALE	335	GRAY SHALE
130	LIGHT COLORED SHALE	340	GRAY SHALE
135	LIGHT COLORED SHALE	345	GRAY SHALE
140	LIGHT COLORED SHALE	350	GRAY SHALE
145	LIGHT COLORED SHALE	355	GRAY SHALE
150	LIGHT COLORED SHALE	360	GRAY SHALE
155	LIGHT COLORED SHALE	365	GRAY SHALE
160	LIGHT COLORED SHALE	370	GRAY SHALE
165	LIGHT COLORED SHALE	375	GRAY SHALE
170	LIGHT COLORED SHALE	380	GRAY SHALE
175	LIGHT COLORED SHALE	385	GRAY SHALE
180	LIGHT COLORED SHALE	390	GRAY SHALE
185	LIGHT COLORED SHALE	395	GRAY SHALE
190	LIGHT COLORED SHALE	400	GRAY SHALE
195	LIGHT COLORED SHALE		
200	LIGHT COLORED SHALE		

CATHODIC PROTECTION WELL LOG/COMPLETION REPORT



235 Hembree Park Drive
Roswell, GA 30076
770.619.5666
www.pipecs.com

CLIENT: MAGELLAN MIDSTREAM
DATE: 08/09/16
PIPELINE: SADDLEHORN 20" CRUDE PIPELINE
LOCATION: CP 13 240TH ROAD
COUNTY: PAWNEE
GPS COORDINATES: 38.028003° -99.332207°
CORROSION TECH:
PERMIT # CPB 16-02