

WATER WELL RECORD Form WWC-5

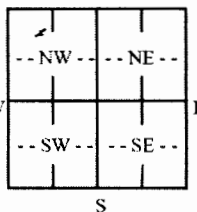
Division of Water Resources App. No.

Well ID CP-14

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: PRATT	Fraction ¼ NW ¼ NE ¼ SE ¼	Section Number 6	Township Number T 26 S	Range Number R 13 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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2 WELL OWNER: Last Name: MAGELLAN MIDSTREAM Business: MAGELLAN MIDSTREAM Address: ONE WILLIAMS CENTER City: TULSA State: OK ZIP: 74172	First: 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"/> INTERSECTION OF SW 90TH AND NW30TH, 3090 FEET TO THE SOUTH TO MAGELLAN PUMP STATION
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3 LOCATE WELL WITH "X" IN SECTION BOX: N  W E S -----1 mile-----	4 DEPTH OF COMPLETED WELL: 400 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ft. <input type="checkbox"/> below land surface, measured on (mo-day-yr)..... <input type="checkbox"/> 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: 37.813702 (decimal degrees) Longitude: -98.788733 (decimal degrees) Horizontal Datum: <input checked="" type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model:) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input checked="" type="checkbox"/> Online Mapper: GOOGLE EARTH
6 Elevation: 1963 ft. <input type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Topographic Map <input type="checkbox"/> 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
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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 225 ft., From ft. to ft., From ft. to ft.

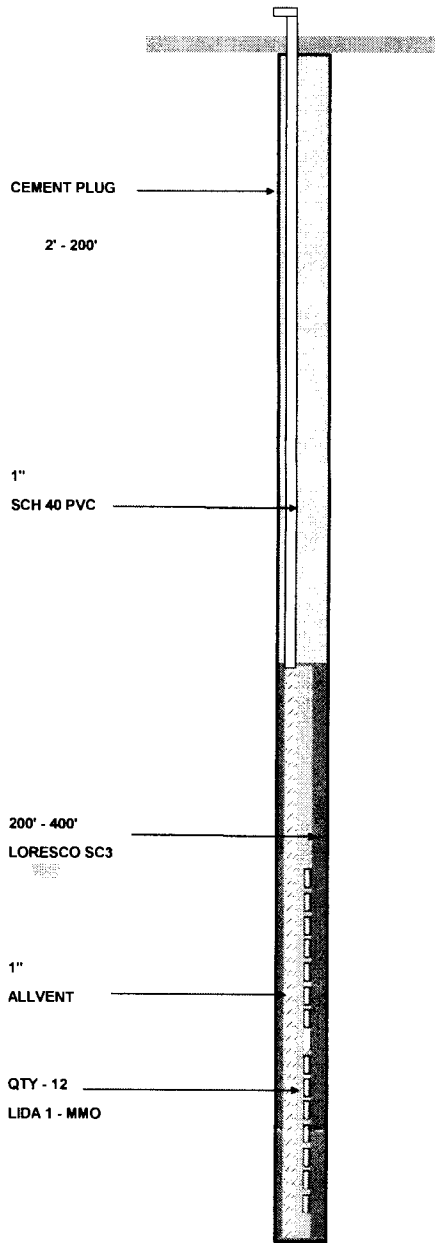
Nearest source of possible contamination:

<input checked="" 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"/> Sewer Lines	<input type="checkbox"/> Cess Pool	<input type="checkbox"/> Sewage Lagoon	<input 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
<input type="checkbox"/> Other (Specify)				

Direction from well? **NORTHWEST** Distance from well? **2800** ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	45	CLAY			
45	170	SAND			
170	200	CLAY			
200	400	RED CLAY			
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-yr) **08/18/2016** 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-yr) **11/01/2016** under the business name of **BILLS WATER WELL SERVICE**. Signature *[Signature]*



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

CATHODIC PROTECTION WELL LOG/COMPLETION REPORT



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

CLIENT: MAGELLAN MIDSTREAM
DATE: 08/16/16
PIPELINE: SADDLEHORN 20" CRUDE PIPELINE
LOCATION: CP 14 - PRATT STATION
COUNTY: PRATT
GPS COORDINATES: 37.813723° -98.788740°
CORROSION TECH:
PERMIT # CPB 16-01