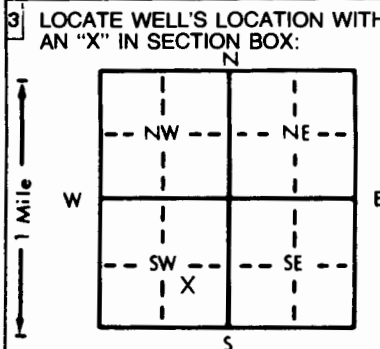


WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: MW07 Fraction SE 1/4 SW 1/4 SW 1/4 Section Number 4 Township Number T 11E S Range Number R 24E X1X EW
 County: Wyandotte

Distance and direction from nearest town or city street address of well if located within city?
 7611 State Ave. Kansas City, KS

2 WATER WELL OWNER: Total Petroleum, Inc.
 RR#, St. Address, Box #: 999 18th Street Suite 2201 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Denver, CO 80202 Application Number: N/A



4 DEPTH OF COMPLETED WELL: 38.0 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 28.30 ft. below land surface measured on mo/day/yr 12/6/91
 Pump test data: Well water was N/A ft. after hours pumping gpm
 Est. Yield N/A gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter 7.75 in. to 38.17 ft., and in. to ft.
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes No X

5 TYPE OF CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing diameter 2.0 in. to 28.17 ft., Dia in. to ft., Dia in. to ft.
 Casing height below land surface 5' 6" in., weight N/A lbs./ft. Wall thickness or gauge No. 40 gauge
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify)
 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot .010 6 Wire wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)
 SCREEN-PERFORATED INTERVALS: From 28.40 ft. to 37.80 ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 26.00 ft. to 38.17 ft., From ft. to ft.
 Bentonite Interval From 20.10 ft. to 26.00 ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 0.0 ft. to 20.10 ft., From ft. to ft., From ft. to ft.
 What is the nearest source of possible contamination: N/A
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage
 Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	6"	Asphalt			
6"	5.0'	Silty clay, brown, blocky, slightly moist, stiff, w/ Fe staining (fill material)			
5.0'	9.5'	Gravelly clay, red, very silty, fractured, stiff, moist (fill material)			
9.5'	11.0'	Silty clay, gray, moist, with plant roots (fill material)			
11.0'	13.0'	Gravelly clay, brown, very silty, very stiff, slightly moist (fill material)			
13.0'	15.5'	Silty clay, black, petroleum hydrocarbon odor, slightly moist, w/plant mat. (fill mat)			
15.5'	23.0'	Silty clay, brown, very stiff, moist, fractured, with root vesicles (glacial alluv.)			
23.0'	29.0'	Silty clay, gray, petroleum odor, fractured, Fe stain, soft, moist (glacial alluvium)			
29.0'	31.0'	SAA- stiff, must Fe stain, moderate petroleum odor (glacial alluvium)			
31.0'	35.0'	SAA-grading into brown, very soft, highly fractured, moist (glacial alluvium)			
35.0'	37.5'	SAA-very stiff, Fe staining			
37.5'	38.0'	Mudstone, fractured			
38.0'	38.17'	Shale, brown, weathered			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 12/6/91 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 468 This Water Well Record was completed on (mo/day/yr) 12/10/91 under the business name of J & R Drilling Services, Inc. by (signature) Ray C. [Signature]