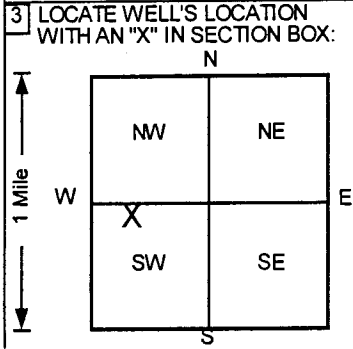


WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction NE 1/4 NW 1/4 SW 1/4 Section Number 32 Township Number T 34 S Range Number R 3 E/W

Distance and direction from nearest town or city street address of well if located within city? Total Refinery, Arkansas City, Kansas

2 WATER WELL OWNER: Total Petroleum Inc. RR#, St. Address, Box #: 1400 South M City, State, ZIP Code: Arkansas City, Kansas 67005 Board of Agriculture, Division of Water Resources Application Number:



3 LOCATE WELL'S LOCATION WITH AN 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL . . . . . 30 . . . . . ft ELEVATION: . . . . . 999 . . . . . Depth(s) Groundwater Encountered 1 . . . . . ft 2 . . . . . ft 3 . . . . . ft WELL'S STATIC WATER LEVEL . . . 21.29 . . . ft below land surface measured on mo/day/yr Pump test data: Well water was . . . NA . . . ft after . . . . . hours pumping . . . . . gpm Est. Yield . . NA . . . gpm: Well water was . . . . . ft after . . . . . hours pumping . . . . . gpm Bore Hole Diameter . . . 8 . . . in. to . . . 30 . . . 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 [checked]; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No [checked]

5 TYPE OF BLANK 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 . . . . . Threaded [checked] Blank casing diameter . . . . . 2 . . . . . in. to . . . . . 5 . . . . . ft, Dia . . . . . in. to . . . . . ft, Dia . . . . . in. to . . . . . ft Casing height above land surface . . . . . 36 . . . . . in., weight . . . . . Sch 40 . . . . . lbs./ft Wall thickness or gauge No. . . . . 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 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 10 Other (specify) . . . . . SCREEN-PERFORATED INTERVALS: From . . . . . 5 . . . . . ft to . . . . . 30 . . . . . ft, From . . . . . ft to . . . . . ft GRAVEL PACK INTERVALS: From . . . . . 4 . . . . . ft to . . . . . 30 . . . . . ft, From . . . . . ft to . . . . . ft

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other . . . . . Grout Intervals: From . . . . . 0 . . . . . ft to . . . . . 1 . . . . . ft, From . . . . . 1 . . . . . ft to . . . . . 4 . . . . . ft, From . . . . . ft to . . . . . ft What is the nearest source of possible contamination: 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) Refinery How many feet? 0

Table with 4 columns: FROM, TO, LITHOLOGIC LOG, PLUGGING INTERVALS. Rows include: 0-3 Sandy Silty Clay, Brown; 3-5 Silty Sand, Dark Brown; 5-7 Silty Sandy Gravel, Black/Brown; 7-10 Sandy Clay, Black/Grey; 10-30 Sand, Grey; B-109, Tag #, Abovegrade; Project Name: Eneco Tech - TotalS; GeoCore # 562, #

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) 4/15/98 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 527 This Water Well Record was completed on (mo/day/yr) 5/7/98 under the business name of GeoCore Services, Inc. by (signature) Bob Relli

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