

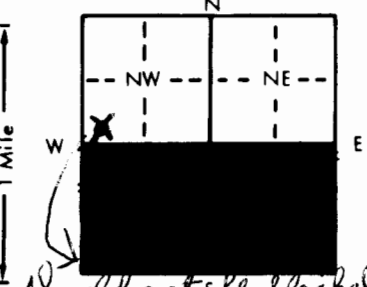
LOCATION OF WATER WELL: Fraction SW SW SW Section Number 13 Township Number T 35 S Range Number R 32 E W  
 County: Seward Irreg. 1/4 330' FSL 1/4 4950' FE 4

Distance and direction from nearest town or city street address of well if located within city?

8 East, 2 1/2 South, and E into from Liberal, Ks.

WATER WELL OWNER: Kaiser-Francis Oil Co. (Don Heitschmidt)  
 RR#, St. Address, Box #: Box 21468 Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: Tulsa, OK 74121-1468 Application Number: T-87-371

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: DEPTH OF COMPLETED WELL: 300 ft. ELEVATION: \_\_\_\_\_



Depth(s) Groundwater Encountered 1. 150 ft. 2. \_\_\_\_\_ ft. 3. \_\_\_\_\_ ft.  
 WELL'S STATIC WATER LEVEL 150 ft. below land surface measured on mo/day/yr 9-8-87  
 Pump test data: Well water was 155 ft. after 1 hours pumping 100 gpm  
 Est. Yield 100 gpm: Well water was \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
 Bore Hole Diameter 9 1/2 in. to 300 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 Observation well  
 Was a chemical/bacteriological sample submitted to Department? Yes \_\_\_\_\_ No X; If yes, mo/day/yr sample was submitted SW SWSW Water Well Disinfected? Yes X No \_\_\_\_\_

TYPE OF BLANK CASING USED: 2 PVC 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped \_\_\_\_\_  
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded \_\_\_\_\_  
 4 ABS 7 Fiberglass Threaded \_\_\_\_\_

Blank casing diameter 5 1/2 in. to 300 ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 Casing height above land surface 24 in., weight \_\_\_\_\_ lbs./ft. Wall thickness or gauge No. 258

TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) \_\_\_\_\_  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes  
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) \_\_\_\_\_

SCREEN-PERFORATED INTERVALS: From 220 ft. to 300 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 GRAVEL PACK INTERVALS: From 140 ft. to 300 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other dirt  
 Grout Intervals: From 1 ft. to 20 1/2 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well  
 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well  
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage  
 Direction from well? North How many feet? 150

| FROM | TO  | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|------|-----|----------------|------|----|----------------|
| 0    | 90  | Clay           |      |    |                |
| 90   | 155 | Sand           |      |    |                |
| 155  | 160 | Sandy Clay     |      |    |                |
| 160  | 172 | Sand           |      |    |                |
| 172  | 180 | Sandy Clay     |      |    |                |
| 180  | 190 | Sand           |      |    |                |
| 190  | 200 | Sandy Clay     |      |    |                |
| 200  | 212 | Sand           |      |    |                |
| 212  | 225 | Sandy Clay     |      |    |                |
| 225  | 295 | Sand           |      |    |                |
| 295  | 300 | Sandy Clay     |      |    |                |

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) 9-8-87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. KWWCL-430 This Water Well Record was completed on (mo/day/yr) 9-8-87 under the business name of Howard Drlg. Co. Box 806 Beaver, OK 73932 by (signature) [Signature]  
 INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.