

CORRECTION(S) TO WATER WELL RECORD (WWC-5)

(to rectify lacking or incorrect information)

County: Finney

Location listed as:

Section-Township-Range: 20-19S-22W

Fraction ($\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$): SW SW NW

Location changed to:

20-22S-33W

SE NW NW

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Locations of oil wells being drilled by Pioneer at this time, position on plat map, and mapping tool on KGS website.

initials: ARL date: 10/14/2008

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

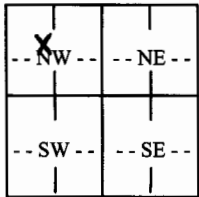
1 LOCATION OF WATER WELL: County: <u>Finney</u>	Fraction <u>SW 1/4 SW 1/4 NW 1/4</u>	Section Number <u>20</u>	Township Number <u>T 19 S</u>	Range Number <u>R 22 E/W</u>
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Distance and direction from nearest town or city street address of well if located within city? _____

Global Positioning Systems (decimal degrees, min. of 4 digits)
 Latitude: _____
 Longitude: _____
 Elevation: _____
 Datum: _____
 Data Collection Method: _____

2 WATER WELL OWNER: Pioneer Exploration LLC
 RR#, St. Address, Box # : 15603 Kuykendahl Suite 200
 City, State, ZIP Code : Houston, TX 77090

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: N E S	<p>4 DEPTH OF COMPLETED WELL <u>192</u> ft.</p> <p>Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL..... <u>148</u> ft. below land surface measured on mo/day/yr. <u>6-11-08</u> Pump test data: Well water was..... ft. after..... hours pumping..... gpm Est. Yield. <u>6.5</u> gpm: Well water was..... ft. after..... hours pumping..... gpm 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 <input checked="" type="checkbox"/> Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well <u>Supply</u></p> <p>Was a chemical/bacteriological sample submitted to Department? Yes No <input checked="" type="checkbox"/>; If yes, mo/day/yr Sample was submitted..... Water well disinfected? Yes <input checked="" type="checkbox"/> No</p>
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5 TYPE OF CASING USED: 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued Clamped
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded.....
 PVC 4 ABS 7 Fiberglass Threaded.....

Blank casing diameter 10 in. to 192 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface..... 12 in., Weight lbs./ft. Wall thickness or gauge No. 200 PSI

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless Steel 5 Fiberglass PVC 9 ABS 11 Other (Specify)
 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)

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

SCREEN-PERFORATED INTERVALS: From..... 162 ft. to 192 ft., From ft. to ft.
 From..... ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From..... 25 ft. to 192 ft., From ft. to ft.
 From..... ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout Bentonite 4 Other

Grout Intervals: From 5 ft. to 25 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination: none

1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide Storage 16 Other (specify below)
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	top soil	187	198	yellow shale
2	68	brown clay	198		black shale
68	76	brown clay, few sand streaks			
76	85	brown clay			
85	100	sandy brown clay			
100	116	med. to coarse sand			
116	132	coarse sand, brown clay, cemented sks			
132	152	coarse sand, small gravel			
152	173	coarse sand to small gravel			
173	187	coarse sand to small gravel, wt. rock chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 6-11-08 and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. 532. This Water Well Record was completed on (mo/day/year) 8-8-08
 under the business name of Midwest Well + Pump Inc by (signature) John Seidup

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS HEAVILY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.