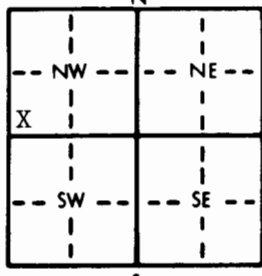


1 LOCATION OF WATER WELL: Fraction SW 1/4 SW 1/4 NW 1/4 Section Number 6 Township Number T 21 S Range Number R 13 EW
 County: Stafford

Distance and direction from nearest town or city street address of well if located within city?
 Approx. 5 miles North of Seward, KS

2 WATER WELL OWNER: Big Bend GMD #5
 RR#, St. Address, Box #: P.O. Box 7 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Stafford, KS 67578 Application Number: not required

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

 4 DEPTH OF COMPLETED WELL: 132 ft. ELEVATION: unknown
 Depth(s) Groundwater Encountered 1. 27.5 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 27.5 ft. below land surface measured on mo/day/yr 11/15/86
 Pump test data: Well water was not ck'd ft. after hours pumping gpm
 Est. Yield unknown gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter 9 in. to 130 ft., and in. to ft.
 WELL WATER TO BE USED AS:
 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
 Water Well Disinfected? Yes No X

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing diameter 5 in. to 125 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 24 in., weight 2.788 lbs./ft. Wall thickness or gauge No. 265
 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)
 9 ABS 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
 7 Torch cut 10 Other (specify)
 SCREEN-PERFORATED INTERVALS: From 125 ft. to 130 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 115 ft. to 130 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 0 ft. to 115 ft., From ft. to 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)
 13 Insecticide storage FIELD
 Direction from well? all How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	22	Topsoil & sandy brown clay			
22	26	Very fine sand & gravel & fine sand			
26	40	Sandy yellow tan clay			
40	70	Sand & gravel, fine to very fine to med. w/clay streaks 55'-60'			
70	71	Green clay			
71	90	Sand & gravel, fine to very fine to med. to coarse w/clay streak @ 89'			
90	100	Sandy brown clay w/couple thin streaks of sand & gravel			
100	130	Sand & gravel, fine to med. to coarse w/streaks of brown clay 100'-105' and 118'-130'			

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) 11/15/86 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/yr) 11/20/86 under the business name of Clarke Well & Eq., Inc. by (signature) *David W. Clarke*

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
T
R
EW
SEC.

3

BIG BEND GMD#5-KGS
WATER QUALITY
OBSERVATION WELL
NETWORK

SITE NUMBER : 50
SITE LOCATION: SW SW NW

LEGAL LOCATION: 6-21-13
COUNTY : Stafford

9/27, 1972

WELL LOG

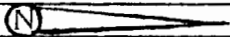
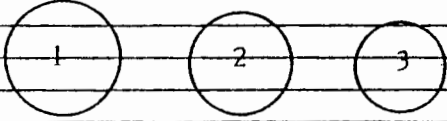
FROM	TO	LITHOLOGIC LOG	OWNER: DOONAN & SONS INC
0	5	top soil & fine sand, med to dark brown	
5	8	hard dark blue-gray clay	
8	9	hard med brown clay with dark blue-gray mottled gray to tan clay	
9	13	tan clay with red-brown mottling	
13	13 $\frac{1}{2}$	tan clay with fine sand	
13 $\frac{1}{2}$	16	dark tan clay with fine sand and red-brown mottling	
16	22	fine and silty sand to thin tan clay stringers	
22	26	fine sand, tan in color	
26	30	fine to med sand with trace yellow-tan clay	
30	34	yellow clay with fine sand	
34	40	fine sand and gravel with thin tan sandy clay streaks	
40	45	fine sand to arkosic gravel	
45	50	fine sand to med coarse arkosic gravel	
50	55	med sand and med coarse gravel; arkosic	
55	60	med to coarse sand and gravel (pea size) with thin yellow-tan clay streaks	
60	65	fine sand to med gravel	
65	70	med to coarse gravel with thin yellow-tan clay streaks	
70	71	streaks of gren clay with fine sand	
71	75	med to coarse sand and gravel; Arkosic and clean	
75	80	same	
80	85	same	
85	89	same; but med coarse pebbles	
89	90	streaks of dark gray sandy clay	
90	95	soft brown clay with sand and some coarse gravel	
95	100	soft brown clay with sand and some gravel streaks	
100	105	med and very coarse sand and gravel with some light brown sandy clay streaks	
105	110	same	
110	115	same; but very arkosic	
115	118	same; with a few green sandy clay streaks	
118	125	med to coarse sand and gravel with thin gray streaks	
125	130	same	
130	131 $\frac{1}{2}$	same	
131 $\frac{1}{2}$	135	blue-gray and tan clay interbedded with sand and gravel with trace of caliche	
135	140	hard sandy tan clay with fine sand streaks	

BIG BEND GMD#5-KGS
WATER QUALITY
OBSERVATION WELL
NETWORK

SITE NUMBER : 50 (cont)
SITE LOCATION: SW SW NW

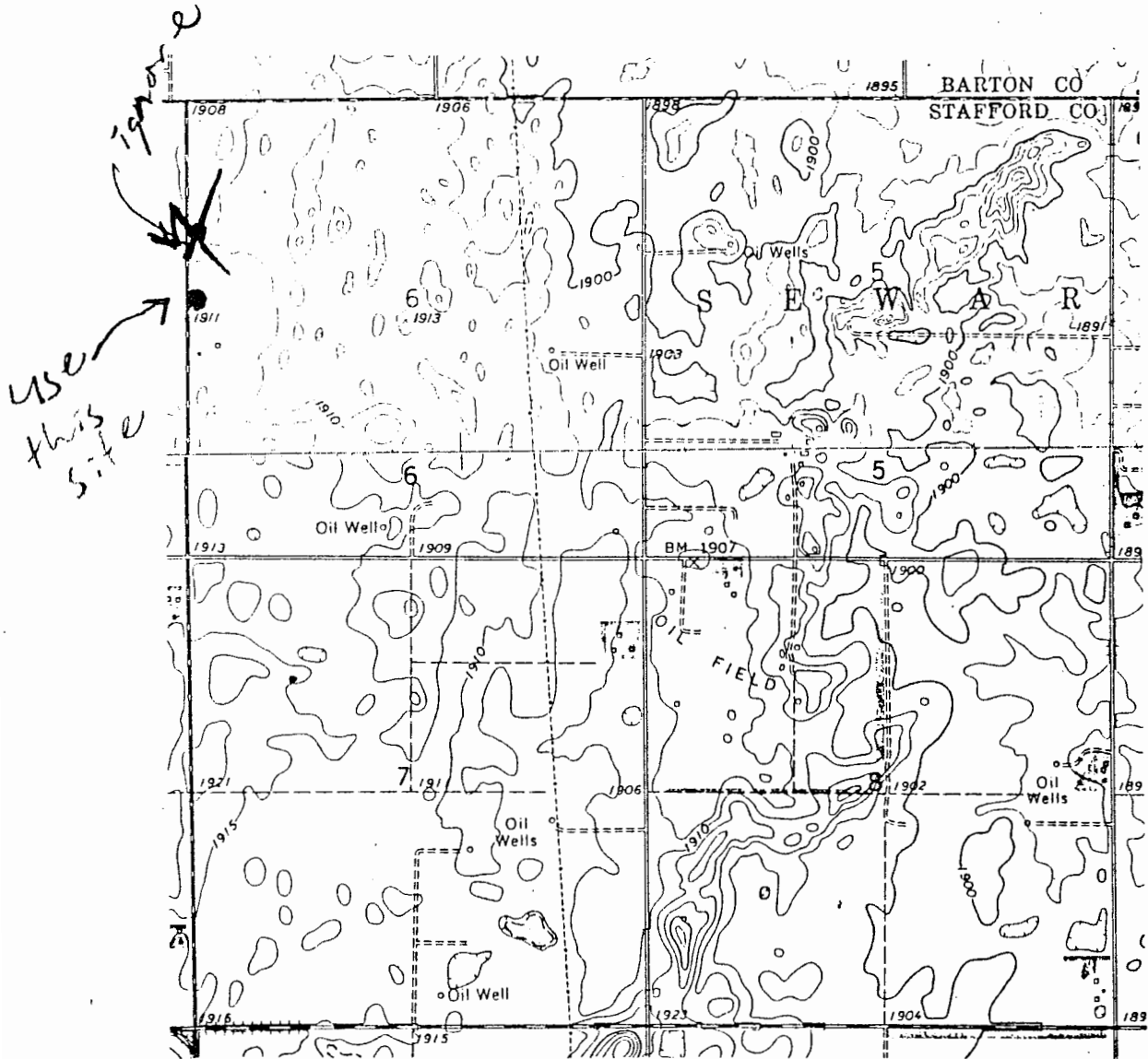
LEGAL LOCATION: 6-21-13
COUNTY : Stafford

WELL LOG

FROM	TO	LITHOLOGIC LOG OWNER: DOONAN & SONS INC
140	145	hard sandy tan clay with fine sand streaks
145	148	same
148	150	sandy tan clay with some gravel
150	151	same
151	155	med to coarse sand and gravel
155	160	med-coarse sand to fine gravel; arkosic
160	163	same
163	165	brown and tan clay with sand
165	166	same
166	170	med sand to fine gravel; arkosic
170	175	tan clay and fine sand and gravel
175	180	same; but with yellow tan clay streaks trace of Dakota drift
180	185	fine to med sand; 50% reworked Dakota
185	190	same; with some pink and tan clay stringers
190	195	same
195	200	same
200	204	same
204	205	med gray sandy clay
205	210	med gray and dark grayish black sandy clay with some fine gravel
210	215	same; and some tan sandy clay
215	220	80% Dakota drift; med sand and med gravel with some tan and dark grayish black clay
220	223 1/2	same
223 1/2	225	grey shale <i>Bedrock (Kiowa)</i>
225	234	same
		
		
		TD = 195' TD = 130' TD = 50' 190' / 5' 125' / 5' 45' / 5'

SITE NUMBER : 50
SITE LOCATION : SW SW NW
LEGAL LOCATION: 6-21-13
COUNTY : Stafford

LANDOWNER: Doonan & Sons, Inc
ADDRESS : Highway 56 & 156 Junction
 Great Bend, KS 67530
PHONE NO.:

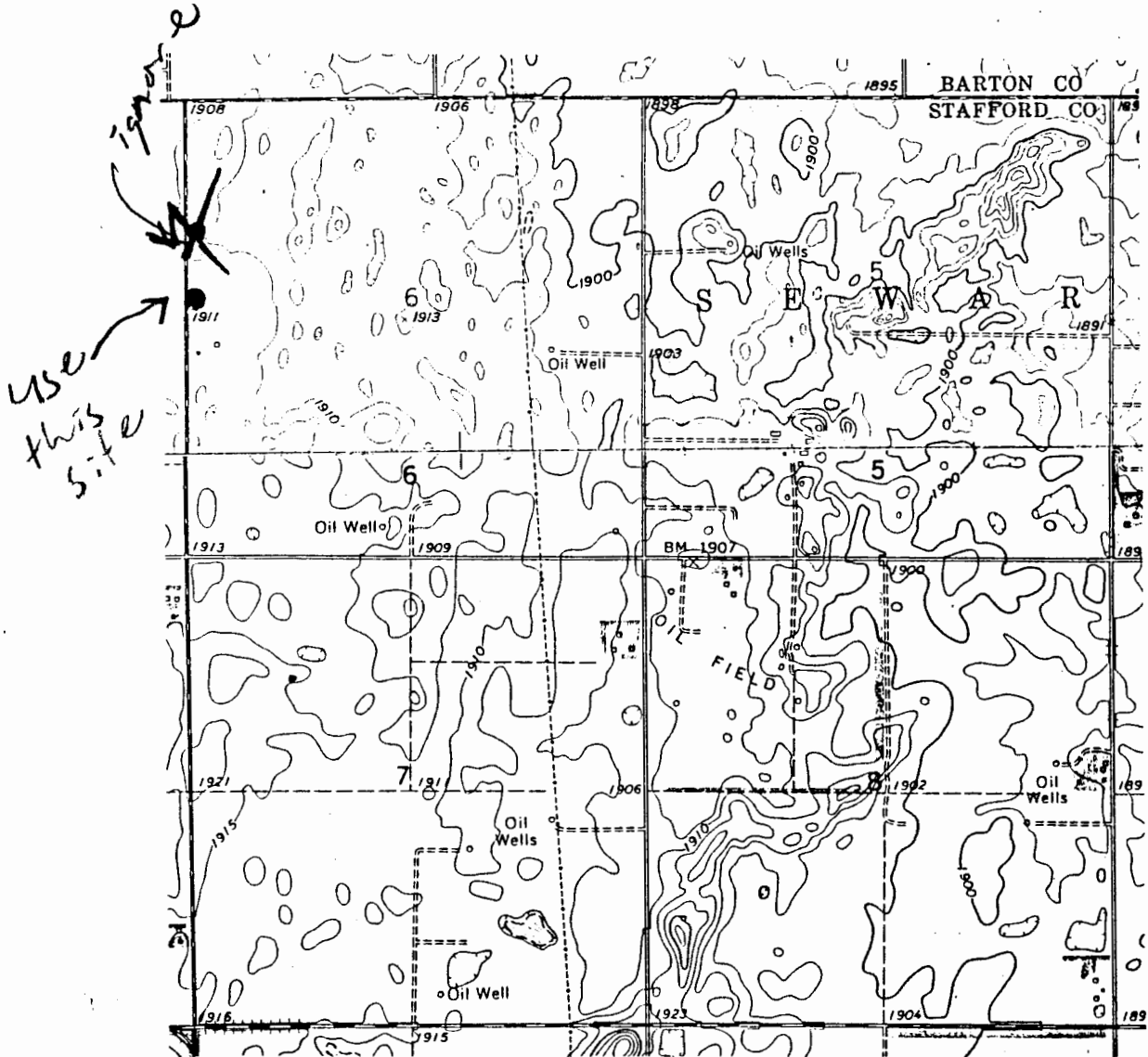


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WELL LOCATION *

SITE NUMBER : 50
SITE LOCATION : SW SW NW
LEGAL LOCATION: 6-21-13
COUNTY : Stafford

LANDOWNER: Doonan & Sons, Inc
ADDRESS : Highway 56 & 156 Junction
 Great Bend, KS 67530
PHONE NO.:



WELL LOCATION *