ORIGINAL
File with DWR

Page 1 of 2

Owner's Well No. STSW-92

Date Work Began 8/22/00 Ended 8/31/00

Local Permit Agency SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPT

Permit No. 024295 Permit Date 8/11/00

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 731922

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DRILLING METHOD AIR/MUD ROTARY FLUID AIR/MUD

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	7	Reddish brown silt w/sand + clay
7	9	reddish brown sandy silt w/gravel
9	15	reddish brown silt w/sand & clay
15	21	reddish brown silty gravel w/sand
21	24	yellowish brown silty sand
24	29	brown silty sand
29	35	brown silty gravel w/sand
35	45	strong brown silty sand
45	53	yellowish brown silty gravel w/sand
53	57	greenish gray clay w/silt & sand
57	65	greenish gray sandy silt
65	70	greenish gray sandy silt w/clay
70	90	black silty sand w/gravel
90	107	black silty sand w/gravel
107	120	dark greenish gray sandy silt some clay
120	127	dark greenish gray silty gravel w/sand
127	136	greenish gray silt w/sand
136	146	dark gray sandy silt
146	151	dark greenish gray sandy silt w/clay
151	157	dark gray silty clay w/sand
157	162	gray silty clay
162	167	bluish gray clayey silt
167	180	dark gray sandy silt
180	190	brownish gray sandy silt
190	205	dark gray sandy silt
205	208	dark bluish gray silt w/sand
208	223	dark gray sandy silt
223	229	bluish gray sandy silt w/clay
229	240	yellowish brown sandy silt
240	246	light yellowish brown sandy silt

TOTAL DEPTH OF BORING 303 (Feet)

TOTAL DEPTH OF COMPLETED WELL 250 (Feet)

[redacted]

Township ___ Range ___ Section ___

Latitude ° ′ ″ NORTH Longitude ° ′ ″ WEST
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

NORTH

FEB 2 8 2002

[redacted]

SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. ***PLEASE BE ACCURATE & COMPLETE.***

ACTIVITY (✓)
- ✓ NEW WELL
- MODIFICATION/REPAIR
  - ___ Deepen
  - ___ Other (Specify)
- ___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USES (✓)
- WATER SUPPLY
  - ___ Domestic ___ Public
  - ___ Irrigation ___ Industrial
- ✓ MONITORING
- ___ TEST WELL
- ___ CATHODIC PROTECTION
- ___ HEAT EXCHANGE
- ___ DIRECT PUSH
- ___ INJECTION
- ___ VAPOR EXTRACTION
- ___ SPARGING
- ___ REMEDIATION
- ___ OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER ~~135~~ (Ft.) BELOW SURFACE ~140 FT

DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___

ESTIMATED YIELD * ___ (GPM) & TEST TYPE ___

TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)

* *May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
							See WELL CONSTRUCTION DIAGRAM			

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
See WELL CONSTRUCTION DIAGRAM					

ATTACHMENTS (✓)

- ___ Geologic Log
- ✓ Well Construction Diagram
- ___ Geophysical Log(s)
- ___ Soil/Water Chemical Analyses
- ✓ Other LOCATION SKETCH

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME WATER DEVELOPMENT CORPORATION
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 1202 KENTUCKY AVE CITY WOODLAND STATE CA ZIP 95776

Signed [signature] 12-15-01
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED

C-57 LICENSE NUMBER 783326

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

Page 2 of 2

Owner's Well No. STSW-92

Date Work Began _____, Ended _____

Local Permit Agency _____

Permit No. _____ Permit Date _____

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. 731942

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DRILLING METHOD _____ FLUID _____

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
246	249	light yellowish brown silt w/sand
249	252	light gray/pale brown sand + clay
252	274	pale brown clayey silt
274	289	light yellowish brown sand + silt
289	297	light yellowish brown silt w/sand
297	303	light yellowish brown silt w/sand + clay

TOTAL DEPTH OF BORING _____ (Feet)

TOTAL DEPTH OF COMPLETED WELL _____ (Feet)

WELL OWNER

[redacted]

Township _____ Range _____ Section _____

Latitude ___ ___ NORTH (DEG. MIN. SEC.) Longitude ___ ___ WEST (DEG. MIN. SEC.)

LOCATION SKETCH

NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. ***PLEASE BE ACCURATE & COMPLETE.***

ACTIVITY (✓)

___ NEW WELL

MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)

___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USES (✓)

WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ___ Industrial

___ MONITORING
___ TEST WELL
___ CATHODIC PROTECTION
___ HEAT EXCHANGE
___ DIRECT PUSH
___ INJECTION
___ VAPOR EXTRACTION
___ SPARGING
___ REMEDIATION
___ OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____

ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____

TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)

* *May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

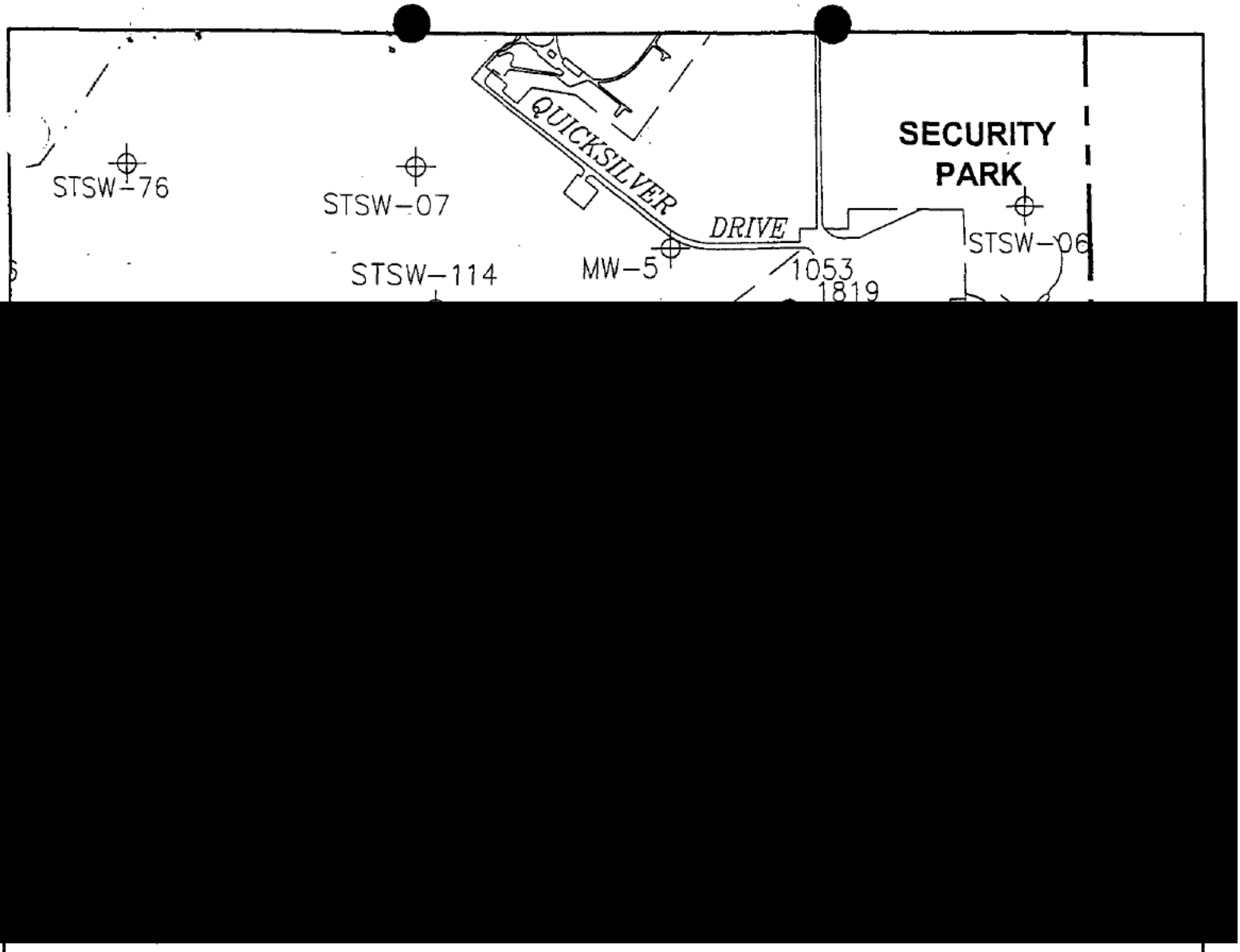
NAME WATER DEVELOPMENT CORPORATION
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

1202 KENTUCKY AVE WOODLAND CA 95776
ADDRESS CITY STATE ZIP

Signed _____ 12-05-01 283326
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM



[redacted]

0 400' 800' 1600'

SCALE IN FEET

EXPLANATION

IRCTS BOUNDARY

MONITORING WELL LOCATION

PRIVATE WATER SUPPLY WELL

N

ENSR

ENSR Consulting and Engineering

FIGURE 1

LOCATION OF MONITORING WELL STSW-92

INACTIVE RANCHO CORDOVA TEST SITE
RANCHO CORDOVA, CALIFORNIA

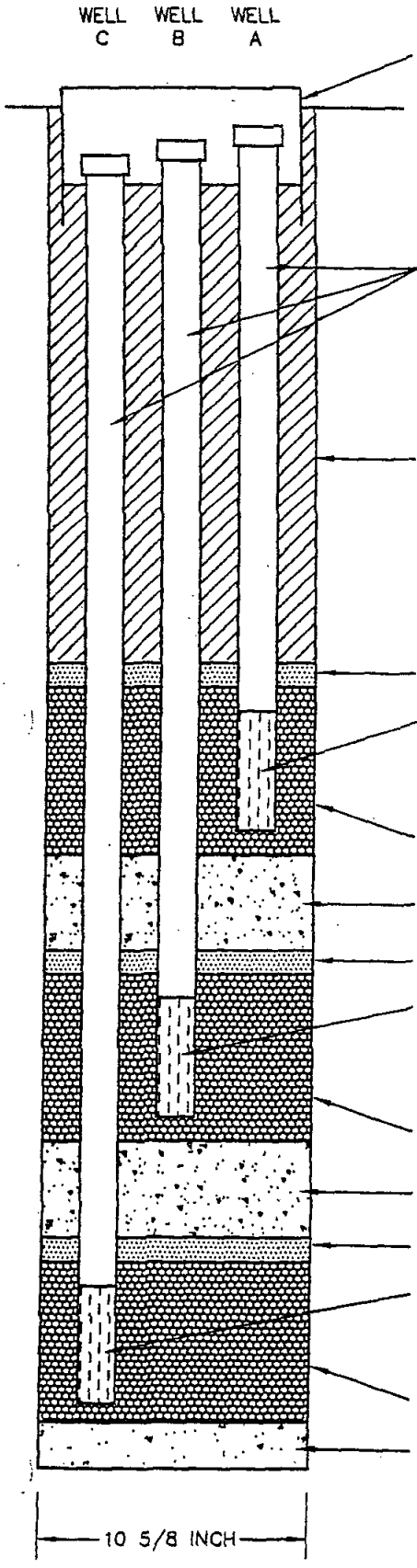
DRWN: D Quiroz	DATE: 11/2/2001	PROJECT NO: 4523-353
APPR:	REVN:	DRAWING ID: WL-92.DWG

Client: The Boeing Company Site: IRCTS Well No: STSW-92

Well Location: IRCTS: 1400 feet west of Security Park Drive and 800 feet south of Douglas Road. Date Installed: 8/28-31/00

Contractor: WATER DEVELOPMENT CORPORATION Method: MUD ROTARY Inspector:

MONITORING WELL CONSTRUCTION DETAIL



	DEPTH (FEET)	ELEVATION (MSL)*
TOP OF STEEL BOX	Flush mount	198.26
GROUND SURFACE	0	198.1
TOP OF CASING (WELL A)	0.31 BGS	197.79
TOP OF CASING (WELL B)	0.35 BGS	197.75
TOP OF CASING (WELL C)	0.32 BGS	197.78
TOP OF FINE SAND (WELL A)	156	42
TOP OF GRAVEL (WELL A)	159	39
TOP OF SCREEN (WELL A)	162	36
BOTTOM OF SCREEN (WELL A)	172	26
BASE OF GRAVEL (WELL A)	174	24
TOP OF FINE SAND (WELL B)	192	6
TOP OF GRAVEL (WELL B)	194	4
TOP OF SCREEN (WELL B)	196	2
BOTTOM OF SCREEN (WELL B)	206	-8
BASE OF GRAVEL (WELL B)	208	-10
TOP OF FINE SAND (WELL C)	220	-22
TOP OF GRAVEL (WELL C)	222	-24
TOP OF SCREEN (WELL C)	224	-26
BOTTOM OF SCREEN (WELL C)	244	-46
BASE OF GRAVEL (WELL C)	250	-52
BOTTOM OF BOREHOLE	303	-105

A.G. – ABOVE GROUND
*MSL – MEAN SEA LEVEL

APPROVED:

SIGNATURE

10/12/01
DATE

ENSR