

APPENDIX D
GEOLOGIC SECTION WELL LOGS

Geologic Section A-A'

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 181517

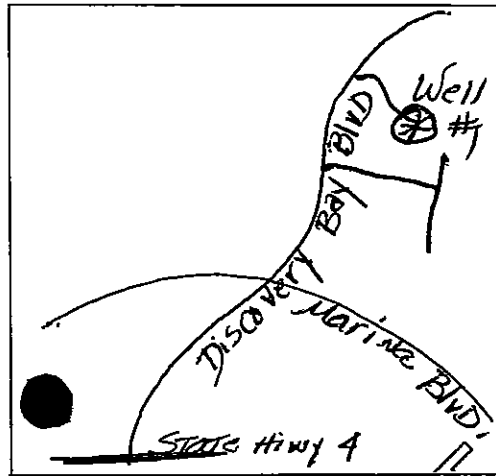
Permit No. or Date _____

State Well No. _____
Other Well No. 01N03E25C02M

(2) LOCATION OF WELL (See instructions):
County Contra Costa Owner's Well Number 1-Redrill
Well address if different from above Discovery Bay
Township 1N Range 3E Section 25C02
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 750 ft. Depth of completed well 348 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	Peat Top Soil
3	85	Brown Clay
85	95	Blue Gray Clay
95	107	Blue Green Clay
107	130	Sand
130	185	Blue Green Clay
185	192	Green Brown Clay
192	197	Sand
197	199	Brown Clay
199	201	Sand
201	210	Brown Clay
210	215	Blue Clay
215	220	Dark Brown Clay
220	240	Blue Clay
240	255	Sand
255	270	Blue Clay
270	292	Sand
292	308	Blue Clay
308	315	Sand
315	320	Clay
320	342	Sand & Gravel
342	346	Brown Clay
346	383	Blue Clay
383	395	Sand
395	402	Sandy Clay (Blue)
402	435	Sand w/Clay stringers
435	460	Blue Clay
460	461	Sand
461	463	Blue Green Clay
463	488	Sand w/Some Clay
488	490	Coarse Sand
490	510	Brown Clay
510	565	Blue Gray Clay
565	572	Sand
572	608	Sandy Clay-Blue Grayw/sand streaks
608	610	Sand
610	620	Green Clay (very plastic)
620	630	Brown Clay



(3) TYPE OF WORK:
New Well Deepening
Reconstruction
Reconditioning
Horizontal Well
Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic
Irrigation
Industrial
Test Well
Stock
Municipal
Other

(5) EQUIPMENT:
Rotary Reverse
Cable Air
Other Bucket

(6) GRAVEL PACK: Monterey Sand
Yes No Size 20/40
Diameter of bore 28
Packed from 0 to 348

(7) CASING INSTALLED:
Steel Plastic Concrete

From ft.	To ft.	ID Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
+2	192	18"	.250	192	197	.030"
197	267	18"	.250	267	292	.030"
292	318	18"	.250	318	343	.030"
343	348	18"	.250			

(8) PERFORATIONS: Superflow
Type of perforation or size of screen _____

(9) WELL SEAL:
Was surface sanitary seal provided? Yes No If yes, to depth 75 ft.
Were strata sealed against pollution? Yes No Interval _____ ft.
Method of sealing 30" Steel Conductor w/pumped grout

(10) WATER LEVELS:
Depth of first water, if known _____ ft.
Standing level after well completion _____ ft.

(11) WELL TESTS:
Was well test made? Yes No If yes, by whom? WDC
Type of test Pump Bailer Air lift
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge 2500 gal/min after 200 ft. PWL Water temperature _____
Chemical analysis made? Yes No If yes, by whom? _____
Was electric log made? Yes No If yes, attach copy to this report

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
SIGNED [Signature] (Well Driller)
NAME The Water Development Corp.
(Person, firm, or corporation) (Typed or printed)
Address 220 N. East St. P.O. Box 888
City Woodland, CA Zip 95695
License No. 283326 Date of this report Oct. 30, 1985

ORIGINAL

File with DWR

STATE OF CALIFORNIA THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

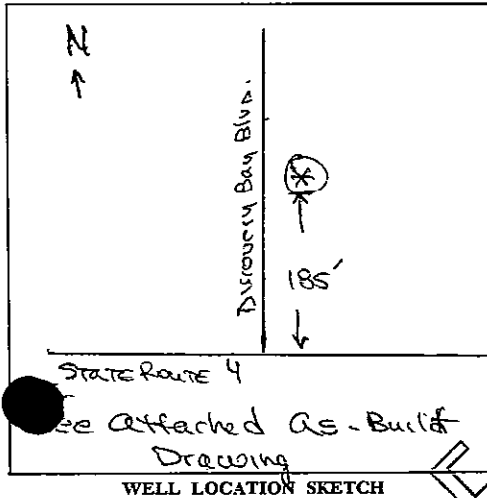
Do not fill in

No. 181530

of Intent No. Permit No. or Date

State Well No. Other Well No. 01N03E36E01

(2) LOCATION OF WELL (See instructions): County Contra Costa Owner's Well Number 4 Well address if different from above Discovery Bay Blvd. Township Range Section Distance from cities, roads, railroads, fences, etc. 785' North of State Route Highway 4 and approximately 150' East of Discovery Bay Blvd.



(3) TYPE OF WORK: New Well XX Deepening Reconstruction Reconditioning Horizontal Well Destruction (Describe destruction materials and procedures in Item 12) (4) PROPOSED USE: Domestic Irrigation Industrial Test Well Stock Municipal Other

(12) WELL LOG: Total depth 750 ft. Depth of completed well 363 ft. from ft. to ft. Formation (Describe by color, character, size or material) 0 - 25 brown clay 25 - 29 coarse sand and gravel 29 - 40 brown clay 40 - 60 brown clay 60 - 80 brown clay 80 - 85 sand 85 - 90 brown clay 90 - 97 sand 97 - 112 sand with clay 112 - 117 sandy clay 117 - 129 coarse sand 129 - 189 gray clay 189 - 215 brown clay 215 - 239 blue clay 239 - 269 clay brown (sandy) 269 - 275 brown clay (silty) 275 - 300 fine sand 300 - 303 coarse sand - gravel 303 - 318 brown gray clay 318 - 333 coarse sand - gravel 333 - 350 coarse sand 350 - 380 gray clay 380 - 400 gray clay 400 - 420 fine sand 420 - 435 sandy clay 435 - 454 blue clay, minor sand 454 - 457 pea gravel and sand 457 - 460 blue clay 460 - 465 sandy 465 - 478 blue clay 478 - 486 sandy 486 - 492 clay - brown 492 - 497 rough hard sandstone and sand 497 - 500 brown clay 500 - 512 sandy brown clay 512 - 520 clay 520 - 535 sandy clay 535 - 550 blue clay (redwood chips) (over)

(5) EQUIPMENT: Rotary Cable Other Reverse Air Bucket

(6) GRAVEL PACK: Yes XX No Size 8-16 Diameter of bore 28 Racked from 380 to 50 ft

(7) CASING INSTALLED: Steel Plastic Concrete From ft. To ft. Dia. in. Gage or Wall

(8) PERFORATIONS: Super flo. Louver Type of perforation or size of screen From ft. To ft. Slot size

420 - 435 sandy clay 435 - 454 blue clay, minor sand 454 - 457 pea gravel and sand 457 - 460 blue clay 460 - 465 sandy 465 - 478 blue clay 478 - 486 sandy 486 - 492 clay - brown 492 - 497 rough hard sandstone and sand 497 - 500 brown clay 500 - 512 sandy brown clay 512 - 520 clay 520 - 535 sandy clay 535 - 550 blue clay (redwood chips) (over)

(9) WELL SEAL: Was surface sanitary seal provided? Yes XX No If yes, to depth 50 ft. Were strata sealed against pollution? Yes X No Interval 26-29 ft. Method of sealing Pumped grout - see drawing

Work started Feb. 10 1986 Completed April 30 1986

(10) WATER LEVELS: Depth of first water, if known 4' Standing level after well completion 4'

WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(11) WELL TESTS: Was well test made? Yes XX No If yes, by whom? WDC Type of test Pump XX Bailer Air lift Depth to water at start of test 4 ft. At end of test 4 ft. Discharge 1500 gal/min after 30 hours Water temperature analysis made? Yes X No If yes, by whom? Was electric log made? Yes X No If yes, attach copy to this report

SIGNED (Well Driller) NAME The Water Development Corp. (Person, firm, or corporation) (Typed or printed) Address P.O. Box 888 City Woodland, Calif. Zip 95695 License No. 283326 Date of this report May 5, 1986

181530

1380 Galaxy Way

181530

082081

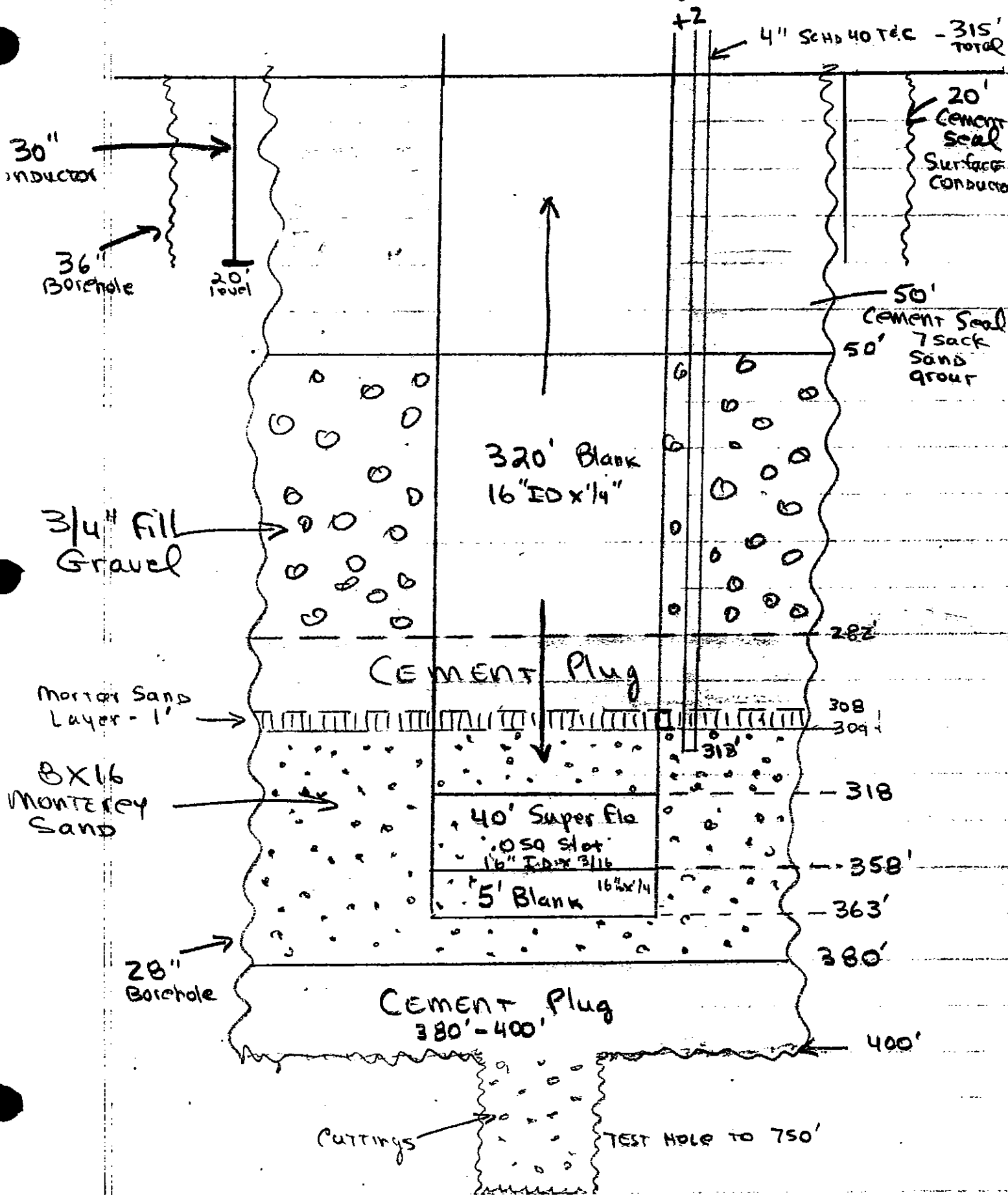
- 550 - 570 loose brown clay, misc. sand and redwood chips
- 570 - 572 sandstone
- 572 - 580 brown sandy clay
- 580 - 600 blue clay
- 600 - 620 blue clay, minor sand
- 620 - 640 blue clay
- 640 - 650 gray to tan clay, some sand
- 650 - 675 tan clay
- 675 - 676 shale
- 676 - 710 brown clay
- 710 - 755 brown clay, minor sand

1986 MAY 30 P 1:57

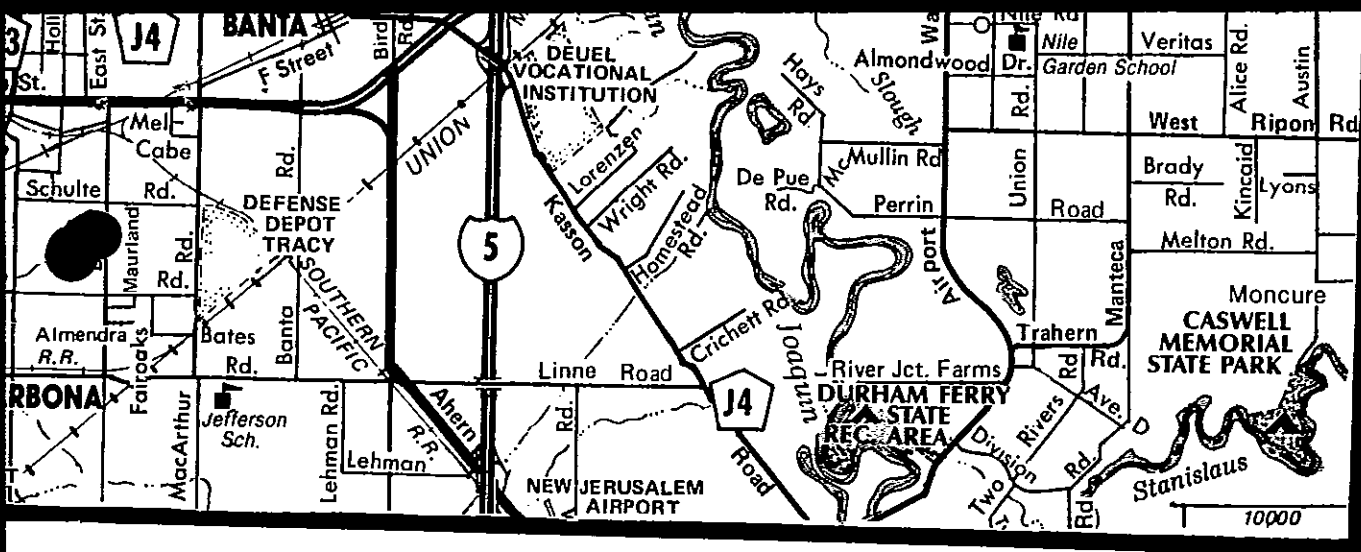
DMR-CENTRAL DISTRICT

Discovery Bay #4 Well As Built Drawing

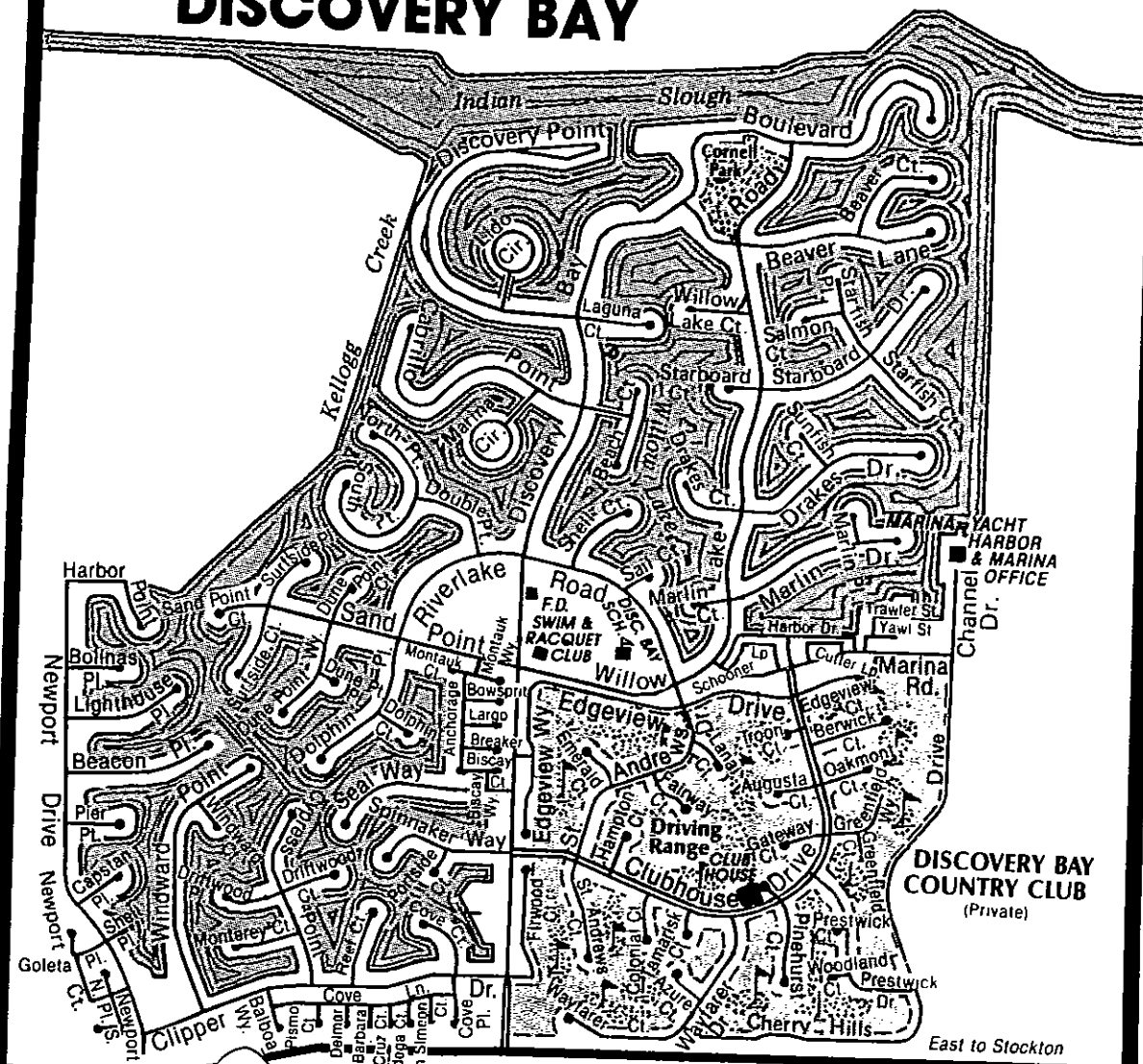
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01N03E36E01M



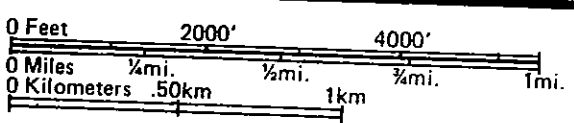
18/530



DISCOVERY BAY



West to Brentwood 4
 © CM, Inc.

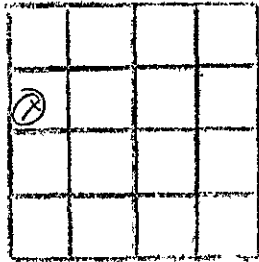


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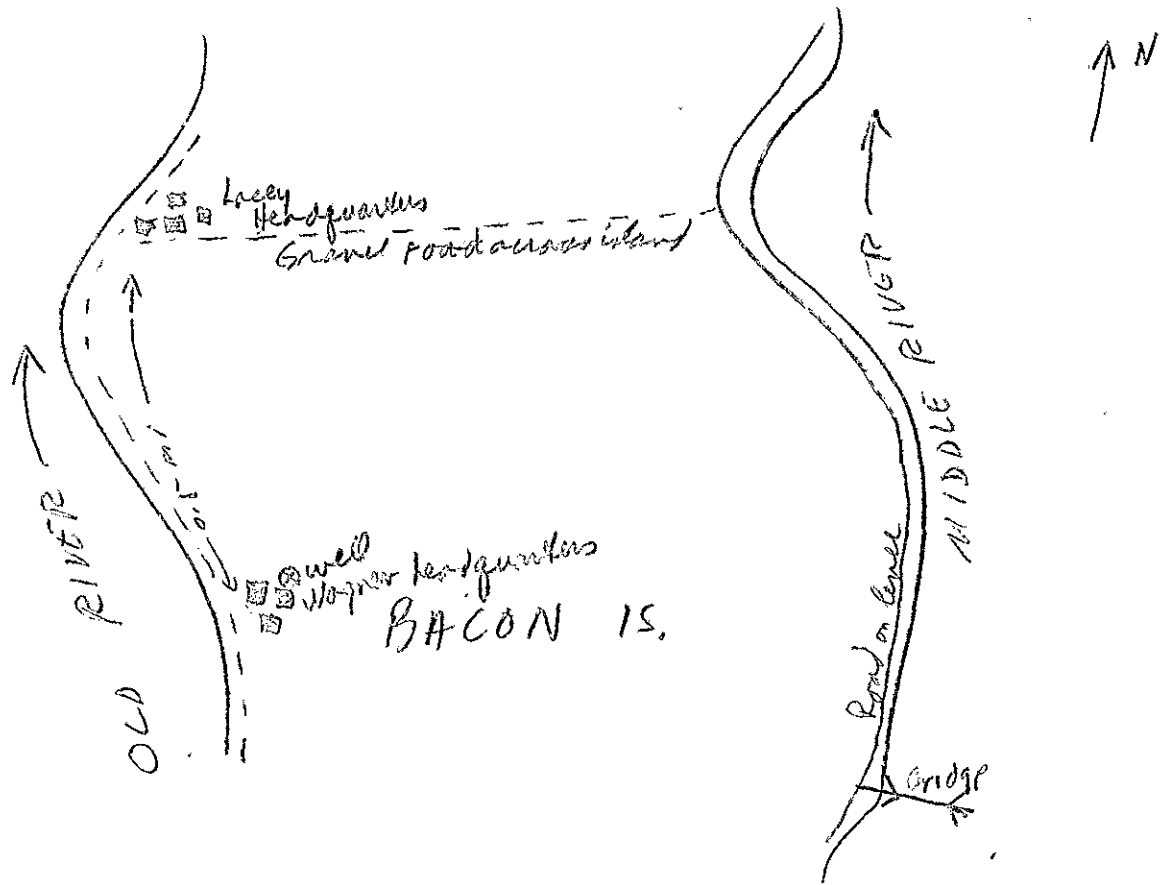
Report No. _____
Owner _____
Pump No. _____
Meter No. _____



Region _____; County San Joaquin
Township 15, Range 4E, Section 5, MD B&M.

2800 ft. north, 4500 ft. west from southeast corner of Section.

S K E T C H



DESCRIPTION OR REMARKS

Checked by R Ford Date 12/1/54

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In

State Well No. _____
Other Well No. _____
Region _____

(7) Perforations:

Type of perforator used None

Perforated	ft.	to	ft.	Hole size	No. of holes
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

(8) Water levels:

Depth at which water first encountered 24 ft.
Depth to water before perforating _____ ft.
Depth to water after perforating _____ ft.
Note any change in water level while drilling _____

(9) Well pumping test:

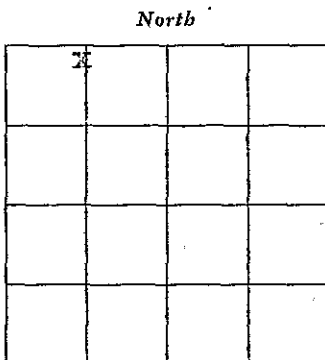
Date of test 5-4 By whom driller
Depth to water when test started 3 ft.
G.P.M. at beginning of test 30
Drawdown from standing level ? ft.
G.P.M. at completion of test 30
Drawdown at completion of test ? ft.
Length of time tested 3 hrs.
Temperature of water _____
Was gas present in water? Yes No

(10) General:

Was well gravel packed? no Size of rock _____ Thickness of pack _____
Was a surface sanitary seal provided? casing driven tight in clay
Were any strata sealed against pollution? Yes No If yes, attach detailed description.
Strata sealed _____
Was analysis made of water? Yes No If yes, attach copy. Salinity driller field test
Was electric log made of well? Yes No If yes, attach copy. 140 ppm
If well abandoned, was it plugged and sealed? _____
Method of plugging and sealing _____

FOR OFFICIAL USE ONLY

(11) Location:



Section No. 8
Township 1 N
Range 4 E
Base & Meridian _____
Show location of well in Section, thus (X)
Distances to section lines from well, N or S 100 ft. and E or W 1200 ft.
Show location of nearest known well, thus (O)
Distance to nearest known well _____ ft.

(12) Time of work:

Work started date 4-16 Completed date 5-4
Date of this report 5-24-54

WELL DRILLER'S STATEMENT:
This well was drilled under my supervision and this report is true to the best of my knowledge and belief.
[SIGNED] [Signature]
Well Driller
By _____
License No. 29141 Classification 057
Dated 5-24-54, 19____

01505E29E ?

STATE OF CALIFORNIA
THE RESOURCES AGENCY

Do Not Fill In

No 89328

ORIGINAL
File with DWR

DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

State Well No. _____
Other Well No. 13/4E-26F

(1) OWNER:

N
A
-

(11) WELL LOG:

Total depth 100 ft. Depth of completed well 56 ft.
Formation: Describe by color, character, size of material, and structure

(2) LOCATION OF WELL:

County San Joaquin Owner's number, if any _____
Township, Range, and Section _____

Distance from cities, roads, railroads, etc. Grimes Rd & Tracy Blvd.
Grimes Rd-1st house on rt. Off Tracy

(3) TYPE OF WORK (check): Blvd.

New Well Deepening Reconditioning Destroying
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) EQUIPMENT:

Rotary
Cable
Other

Log	
ft. to	ft.
0-3	Top soil
3-13	Clay
13-22	Blue Clay & Sand
22-24	Sand-blue
24-33	Clay-blue
33-37	Clay & Sand
37-52	Sand-coarse
52-54	Shale
54-55 1/2	Sand
55 1/2-57	Clay
57-67	Sand-fine
67-100	Clay-blue

(6) CASING INSTALLED:

STEEL: OTHER: _____
SINGLE DOUBLE

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	56	6 1/2	.12	10	0	56

Size of shoe or well ring: _____ Size of gravel: pea

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen slot

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
46	56			1/8 x 3"

CONFIDENTIAL
Water Code Sec. 13752

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes No To what depth 30 ft.

Were any strata sealed against pollution? Yes No If yes, note depth of strata _____

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing Bentonite

(9) WATER LEVELS:

Depth at which water was first found, if known _____ ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing 10 ft.

(10) WELL TESTS:

Was pump test made? Yes No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Temperature of water _____ Was a chemical analysis made? Yes No

Was electric log made of well? Yes No If yes, attach copy _____

Work started 9-15 1973, Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Hennings Bros. Drilling Co., Inc.
(Person, firm, or corporation) (Typed or printed)

Address 2500 W. Rumble Rd.
Modesto, Calif. 95350

[SIGNED] Madeline Raddy - Sec.
(Well Drilled)

License No. 116322 Dated 9-26, 1973

SKETCH LOCATION OF WELL ON REVERSE SIDE

NI

STATE OF CALIFORNIA
THE RESOURCES AGENCY

Do Not Fill In

Nº 89033

ORIGINAL **CONFIDENTIAL** DEPARTMENT OF WATER RESOURCES
File with DWR Water Code Sec. 17720 WATER WELL DRILLERS REPORT

State Well No. _____
Other Well No. 25/AE-9AAO

(11) WELL LOG:

Total depth 110 ft. Depth of completed well 100 ft.

Formations: Describe by color, character, size of material, and structure

ft. to _____ ft.

Log

0-6 Top soil

6-33 Clay

Rds. 33-35 Sand

35-50 Clay

50-60 Sand

60-79 Clay

79-100 Sand

100-110 Clay

(2) LOCATION OF WELL:

County San Joaquin Owner's number, if any _____

Township, Range, and Section T2S R4E S 9

Distance from cities, roads, railroads, etc. Patterson Pass & Byron Rds.

18621 Patterson Pass Rd - 1/2 mi S of Byron

(3) TYPE OF WORK (check): Rd-West side

New Well Deepening Reconditioning Destroying

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal

Irrigation Test Well Other

(5) EQUIPMENT:

Rotary

Cable

Other

(6) CASING INSTALLED:

STEEL OTHER: _____

SINGLE DOUBLE

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	100	6-5/8	10	11	0	100

Size of shoe or well ring: _____

Size of gravel: pea

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen slot

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
80	100			1/8 x 3"

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes No To what depth 50 ft.

Were any strata sealed against pollution? Yes No If yes, note depth of strata _____

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing Bentonite

(9) WATER LEVELS:

Depth at which water was first found, if known _____ ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing 18 ft.

(10) WELL TESTS:

Was pump test made? Yes No If yes, by whom? _____

_____ gal./min. with _____ ft. drawdown after _____ hrs.

Temperature of water _____ Was a chemical analysis made? Yes No

Was electric log made of well? Yes No If yes, attach copy _____

Work started 8-7 1973, Completed _____ 19 _____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Hennings Bros. Drilling Co., Inc.
(Person, firm, or corporation) (Typed or printed)

Address 2500 W. Rumble Rd.
Modesto, Calif. 95350

[SIGNED] Madeline Roddy - Sec.
(Well Driller)

License No. 116322 Dated 9-4, 1973

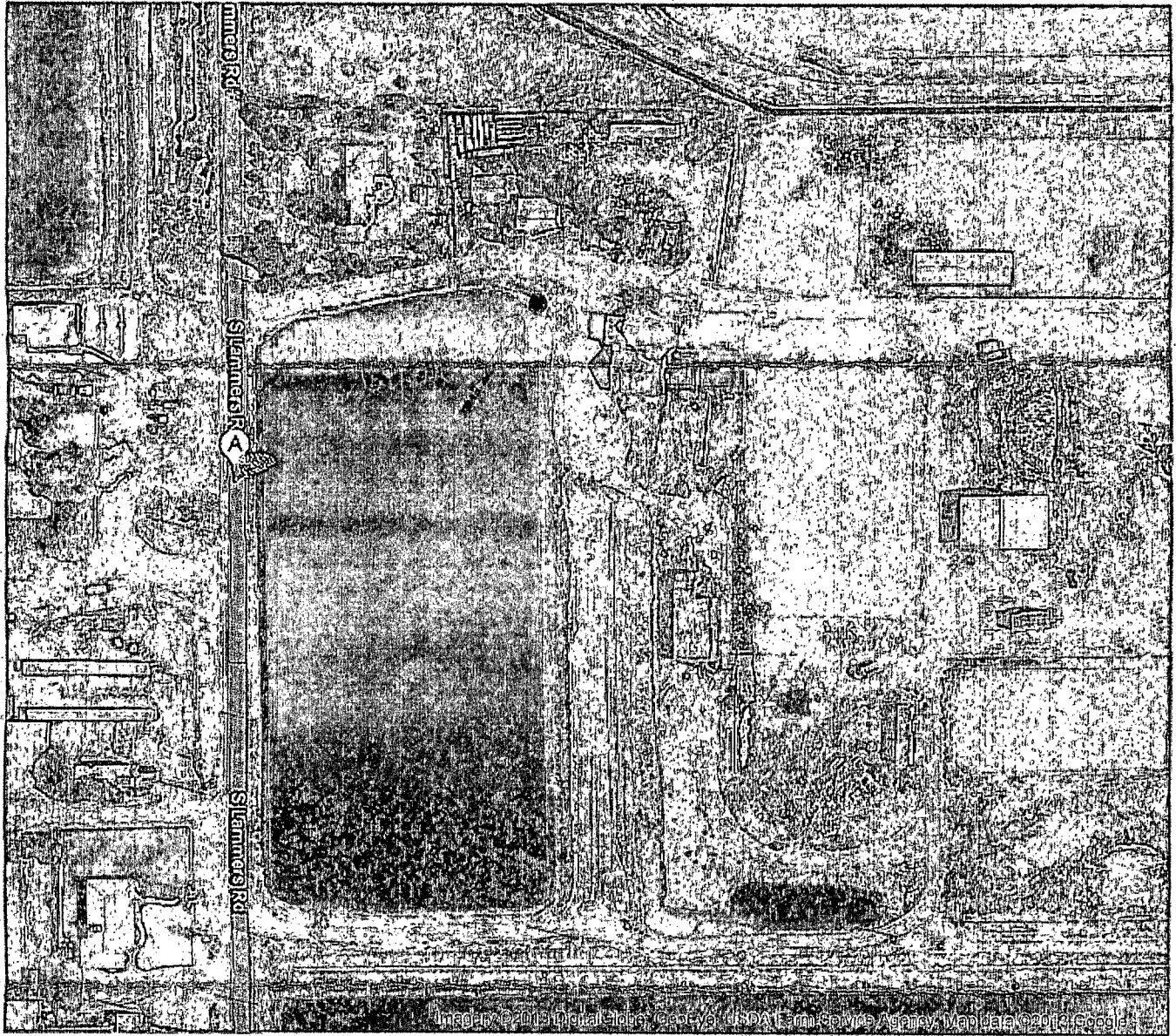
SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL
Water Code Sec. 17720

Google

To see all the details that are visible on the screen, use the "Print" link next to the map.

20169248



Images © 2013 DigitalGlobe, GeoEye, USDA, CNES, Air Force, Agency, Map data © 2013 Google

5013 FEB 13 AM 3:40
 NOBIL CENTER REGION OFFICE
 CIVIL SERVICE CENTER

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION ~~NOT~~ CHECKED

Do Not Fill In

No. 10997

State Well No. 25/5E-17B

Other Well No. 25/5E-17B

(2) LOCATION OF WELL:

County San Joaquin Owner's number, if any—
R. F. D. or Street No. Larch Rd. 1/2 mile
West Tracy Rd. 1 mile
northwest of Tracy
TB 10935W LARCH RD

(3) TYPE OF WORK (check):

New well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) EQUIPMENT:

Rotary
Cable
Dug Well

(6) CASING INSTALLED:

SINGLE DOUBLE
From 0 ft. to 90 ft. 6 1/2 in. 12 Gage or Wall
Diameter of Bore 9 1/2 in. from 0 to 90 ft.
Type and size of shoe or well ring
Describe joint Welded
If gravel packed
Size of gravel: phi

(7) PERFORATIONS:

Type of perforator used Cutting tool
Size of perforations 3/16 in., length, by 5 in.
From 21 ft. to 90 ft. 6 Perf. per row 112 Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes No To what depth 50 ft.
Were any strata sealed against pollution? Yes No If yes, note depth of strata
From 21 ft. to 23 ft. 41 ft. 50
25 " 27 "
Method of Sealing Rotary annular

(9) WATER LEVELS:

Depth at which water was first found 21 ft.
Standing level before perforating 10 ft.
Standing level after perforating 10 ft.

(10) WELL TESTS:

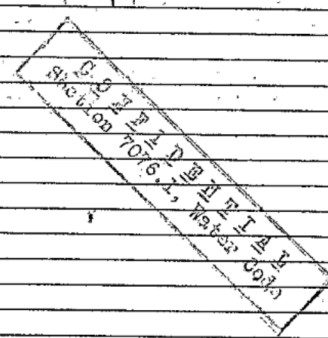
Was a pump test made? Yes No If yes, by whom?
Yield: _____ gal./min. with _____ ft. draw down after _____ hrs.
Temperature of water _____ Was a chemical analysis made? Yes No
Was electric log made of well? Yes No

(11) WELL LOG:

Total depth 90 ft. Depth of completed well 90 ft.

Formation: Describe by color, character, size of material, and structure.

0 ft. to 21 ft. yellow clay
21 " 23 " fine sand
23 " 25 " clay
25 " 27 " fine sand
27 " 41 " yellow clay
41 " 50 " coarse sand
50 " 86 " yellow clay
86 " 88 " sand & gravel
88 " 90 " clay



Work started Nov. 9 1954 Completed Nov. 11 1954

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Madero Well Drillers
(Person, firm, or corporation) (Type or printed)

Address 316 Carsons

Madero, Calif.

[SIGNED] Jay A. Benefield
Well Driller

License No. 135518 Dated Nov. 29, 1954

LOCATION NOT CHECKED
 No. 10997
 State Well No. 10997
 Other Well No. 2012-17E

STATE OF CALIFORNIA
 WATER WELL DRILLERS REPORT
 (Section 7071, 7072, 7073, Water Code)

ORIGINAL
 File Original, Duplicate and Triplate with the
 REGIONAL WATER POLLUTION
 CONTROL BOARD No. 2
 (Limit appropriate number)

(1) WELL LOG:

Depth	Log
0	Surface
1	Gravel
2	Gravel
3	Gravel
4	Gravel
5	Gravel
6	Gravel
7	Gravel
8	Gravel
9	Gravel
10	Gravel
11	Gravel
12	Gravel
13	Gravel
14	Gravel
15	Gravel
16	Gravel
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88	Gravel
89	Gravel
90	Gravel

(2) LOCATION OF WELL:
 Owner's name: John W. Wells
 Owner's address: 10997 State Well No. 10997
 City: Modesto
 State: California
 County: Stanislaus
 Township: ...
 Range: ...
 Section: ...

(3) TYPE OF WORK (check):
 Abandon
 Reconditioning
 Deepening
 New well

(4) THEORETICAL YIELD (gallons per minute):
 Developmental, hydraulic analysis and procedure in item 11.
 Analytical

FORMATION: Describe by color, character, use in material, and structure.
 (This section contains a large, faint, illegible stamp or watermark.)

(5) PERMITS:
 Type and size of:
 Permits:
 (6) PERMITS:
 Type of permit:
 Size of well:
 From:
 To:
 (7) PERMITS:
 Type of permit:
 Size of well:
 From:
 To:

DESCRIPTION OR REMARKS

Drilled By Modesto Well drillers in 1954
 Depth 90'

Checked by John Wells Date 9/30/57

DRIVER FORM NO. 240 (REV. 5-57)
 (This section contains various administrative stamps and checkboxes.)

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN

02S05E1A1

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page ___ of ___
 Owner's Well No. _____ No. **819759**
 Date Work Began June 7, 2000, Ended June 14, 2000
 Local Permit Agency San Joaquin Co. Health Dept.
 Permit No. 22986-W/22987-WD Permit Date _____

DEPTH FROM SURFACE			DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to	Ft.	
0	2		Top Soil
2	17		Clay
17	19		Sand
19	35		Clay
35	41		Sand & Gravel
41	65		Clay
65	68		Sand & Gravel
68	90		Clay
90	95		Sand & Gravel
95	147		Clay
147	149		Sand & Gravel
149	165		Clay
165	170		Sand
170	177		Clay
177	180		Sand
180	195		Clay
195	197		Sand
197	215		Clay
215	217		Sand
217	305		Clay
305	359		Blue Clay
359	364		Sand
364	405		Clay
405	419		Sand
419	430		Clay

TOTAL DEPTH OF BORING 430 (Feet)
 TOTAL DEPTH OF COMPLETED WELL 420 (Feet)

WELL OWNER _____

WELL LOCATION

Address 2748 Byron Rd.
 City Tracy
 County San Joaquin
 APN Book 238 Page 050 Parcel 03
 Township _____ Range _____ Section _____
 Latitude _____ NORTH Longitude _____ WEST

LOCATION SKETCH

WELL ABANDONMENT

0-3' Cut Casing/Dug Down/Mushroom Top 3'

3-95' 9-Sack Mix Cement Slurry Bottom of Well

95' 6" STEEL DIAMETER

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 63 (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.

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING (S)								
		TYPE (✓)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	
BLANK	SCREEN	CONDUIT	DUCTOR	FULL PIPE						
0	40	12"	X				PVC	6"	160CI	
40	240	12"	X				PVC	6"	200CI	
240	400	12"	X				PVC	6"	160CI	
400	420	12"		X			PVC	6"	160CI	45/1000

DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE			
	CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	200	X		9-sack mix
200	420		X	Sand/Gravel

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 HENNINGS BROS. DRILLING CO., INC.
 (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
3525 PELANDALE AVE. MODESTO CA 95356-9781
 ADDRESS CITY STATE ZIP
 Signed Cathlene Wenzel JULY 10, 2000 290813
 WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

RECEIVED

STATE OF CALIFORNIA
THE RESOURCES AGENCY

Do not fill in

ORIGINAL
File with DWR

MAY 26 1994

DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

No. 335812

D.W.R.

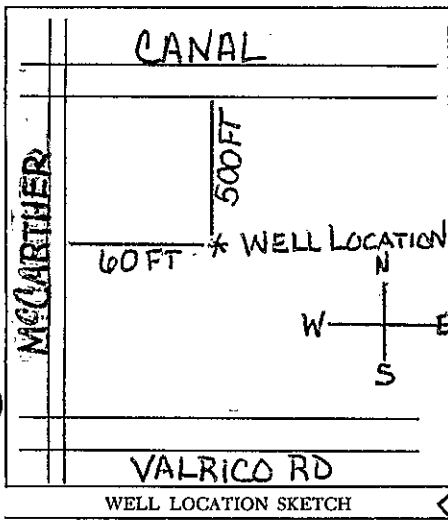
Notice of Intent No. 248527
Local Permit No. or Date 2635

State Well No. 02505E34
Other Well No.

(1) LOCATION OF WELL (See instructions):
County WASHEAR Owner's Well Number
Well address if different from above NORTH OF VALRICO RD.
Township D2-SOUTH Range 05-EAST Section 34
Distance from cities, roads, railroads, fences, etc.

(12) WELL LOG: Total depth 970 ft. Completed depth 958 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	50	CLAY, SAND, GRAVEL
50	250	ROCK, TRACES OF CLAY
250	340	BROWN STICKY CLAY
340	410	BLUE CLAY
410	430	FINE SANDS, TRACE OF CLAY
430	490	BLUE CLAY, BLUE SAND
490	550	BROWN CLAY, SAND LAYERS
550	590	SMALL SAND TRACES
590	610	STICKY CLAY
610	630	BROWN CLAY
630	670	SAND, GRAVEL, CLAY LAYERS
670	710	BROWN CLAY
710	720	CLAY
720	765	GRAVELS
765	780	CLAY & SHALE MIXED SANDS
780	790	GRAVEL, SAND
790	795	BROWN CLAY
795	830	GRAVEL, SAND
830	930	GRAVEL, CLAY, SANDY CLAY
930	935	BROWN CLAY
935	948	SAND, GRAVEL
948	970	BROWN CLAY



(3) TYPE OF WORK:
 New Well Deepening
 Reconstruction
 Reconditioning
 Horizontal Well
 Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
 Domestic
 Irrigation
 Industrial
 Test Well
 Municipal
 Other (Describe)

(5) EQUIPMENT:
 Rotary Reverse
 Cable Air
 Other Bucket

(6) GRAVEL PACK:
 Yes No Size 3/8 MESH
 Diameter of bore _____
 Packed from 970 to 250 ft.

(7) CASING INSTALLED:
 Steel Plastic Concrete

(8) PERFORATIONS: LOUVERED
 Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
+1	394	1.8	.312	394	958	.090

(9) WELL SEAL:
 Was surface sanitary seal provided? Yes No If yes, to depth 250 ft.
 Were strata sealed against pollution? Yes No Interval _____ ft.
 Method of sealing PUMP

(10) WATER LEVELS:
 Depth of first water, if known _____ ft.
 Standing level after well completion 136.9 ft.

(11) WELL TESTS:
 Was well test made? Yes No If yes, by whom? SARGENT
 Type of test Pump Bailer Air lift
 Depth to water at start of test 136.90 At end of test 195.95 ft.
 Discharge 3600 gal/min after 12 hours Water temperature 72
 Chemical analysis made? Yes No If yes, by whom? _____
 Was electric log made Yes No If yes, attach copy to this report

Work started APRIL 6 1994 Completed MAY 3 1994

WELL DRILLER'S STATEMENT:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 Signed Marcus E. Sargent (Well Driller) 1519
 NAME SARGENT DRILLING, INC
 Address 9955 NORTH VIRGINIA STREET
 City RENO, NEVADA ZIP 89506
 License No. 479054 Date of this report MAY 6, 1994

GEOGRAPHICAL INFORMATION: COORDINATES X Y TOWNSHIP RANGE SECTION 736991

TYPE OF WELL: NEW WELL REPLACEMENT WELL MONITORING WELL # OTHER

INSTALLATION: WELL SYSTEM REPAIR CROSS-CONNECT REPAIR VAPOR EXTRACTION WELL #

TYPE OF PUMP: NEW REPAIR H.P. 2 DEPTH PUMP SET 100 FT. FIRST WATER LEVEL

OUT-OF-SERVICE WELL GEOTECHNICAL # SOIL BORING DESTRUCTION:

INTENDED USE	TYPE OF WELL	CONSTRUCTION SPECIFICATION
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> OPEN BOTTOM	WELL EXCAVATION DIA <u>12</u> CONDUCTOR CASING DIA <u> </u>
<input checked="" type="checkbox"/> DOMESTIC PRIVATE	<input checked="" type="checkbox"/> GRAVEL PACK/SIZE <u> </u>	WELL CASING TYPE <u>PVC</u> WELL CASING DIA <u>6 inch</u>
<input type="checkbox"/> PUBLIC/MUNICIPAL	<input type="checkbox"/> DRIVEN	GROUT SEAL DEPTH <u>100ft</u> SPECIFICATION <u> </u>
<input type="checkbox"/> IRRIGATION/AG		OTHER GROUT BRAND NAME <u> </u>
<input type="checkbox"/> MONITORING		GROUT SEAL PUMPED: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<input type="checkbox"/> CHRISTY BOX <input type="checkbox"/> STOVE PIPE		CONCRETE PEDESTAL BY DRILLER: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

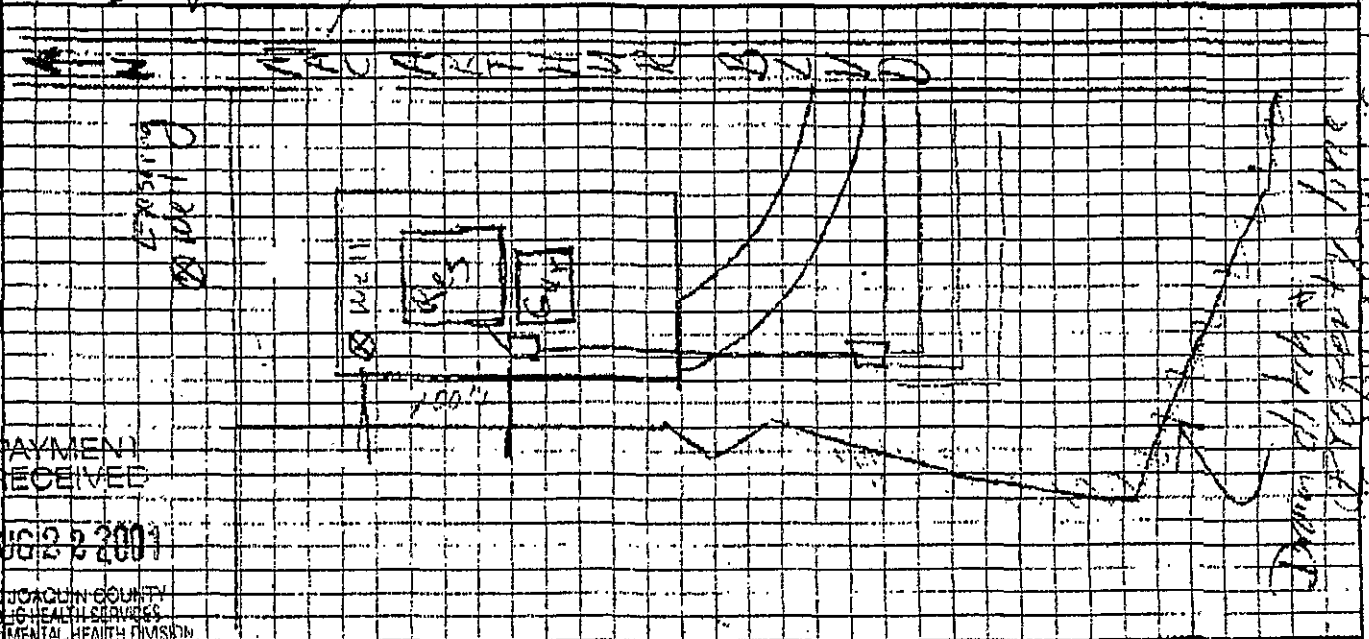
APPROXIMATE WELL DEPTH 270 feet

PROPOSED CONSTRUCTION/DRILLING METHOD: MUD ROTARY AIR ROTARY AUGER CABLE OTHER

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS. I ALSO CERTIFY THAT MY C-57 LICENSE IS CURRENT AND ACTIVE WITH THE CALIFORNIA CONTRACTORS STATE LICENSE BOARD AND THAT I AM IN COMPLIANCE WITH ALL WORKMAN'S COMPENSATION LAWS.

MINIMUM 24 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTIONS

SIGNED [Signature] TITLE WBS Contractor DATE 8/21/01



PAYMENT RECEIVED

AUG 22 2001

SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES ENVIRONMENTAL HEALTH DIVISION

DEPARTMENT USE ONLY

Application Accepted By [Signature] Date 8/22/01 Area 216 EMPID# 7380
 Grout Inspection By Date Pump Inspected By Date
 Destruction Inspection By Date

COMMENTS:

PE CODES	SC INFO	AMOUNT REMITTED	CHECK#/CASH	RECEIVED BY	DATE	PERMIT/SERVICE REQUEST #	INVOICE #	WELL ID#
4366	180 ⁰²	225 ⁰⁰	200	[Signature]	7/26/01	SRC027190		
4380	050	50 ⁰²	↓	↓	↓	SRC027191		

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

R: 10/15/16

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. **e0274869**

Page 1 of 1

Owner's Well Number _____

Date Work Began 7/7/15 Date Work Ended 8/12/15

Local Permit Agency SAN JOAQUIN COUNTY ENVIRONMENTAL HEALTH

Permit Number SR0072412 Permit Date 6/5/15

DWR Use Only - Do Not Fill In

State Well Number/Site Number _____

Latitude _____ Longitude _____

APN/TRS/Other _____

Geologic Log		
Orientation <input checked="" type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____		
Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Bentonite mud</u>		
Depth from Surface	Description	
Feet to Feet	Describe material, grain size, color, etc	
0	23	hard tan clay
23	28	course sand black-gray
28	41	large rock gravel
41	66	course sand
66	104	tan clay with gravel-clay mix
104	121	course sand large gravel
121	142	tan clay with layers small sand fine
142	151	large gravel
151	180	brown clay gravel mix
180	190	sand coarse with gravel
190	200	brown clay
200	206	fine sand
206	220	brown clay
220	230	fine sand
230	360	brown clay
360	390	blue clay
390	405	fine sand mix with gravel
405	420	blue clay
420	459	course gravel
459	479	blue clay
479	488	coarse sand
488	542	blue clay
542	580	course gravel
580	635	brown clay
635	644	fine sand with clay
644	670	brown clay
670	682	course sand with gravel
682	700	brown clay
Total Depth of Boring <u>700</u> Feet		
Total Depth of Completed Well <u>592</u> Feet		

Well Location

Address 7500 West Linne Road

City Tracy County San Joaquin

Latitude _____ N Longitude _____ W

Datum _____ Dec. Lat. _____ Dec. Long. _____

APN Book 253 Page 32 Parcel 018

Township _____ Range _____ Section _____

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

West East

South

Describe procedures and materials under "GEOLOGIC LOG"

Activity

New Well

Modification/Repair

Deepen

Other _____

Destroy

Planned Uses

Water Supply

Domestic Public

Irrigation Industrial

Cathodic Protection

Dewatering

Heat Exchange

Injection

Monitoring

Remediation

Sparging

Test Well

Vapor Extraction

Other _____

Water Level and Yield of Completed Well

Depth to first water _____ (Feet below surface)

Depth to Static _____

Water Level 168 (Feet) Date Measured 8/31/15

Estimated Yield * 150 (GPM) Test Type Pump

Test Length 4 (Hours) Total Drawdown 238 (Feet)

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

Casings								Annular Material			
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size if Any	Depth from Surface	Fill	Description	
Feet to Feet	(Inches)			(Inches)	(Inches)		(Inches)	Feet to Feet			
0	542	22	Solid	Steel	.250	8-5/8		0	480	Grout	Sand Cement
542	582	22	Slotted	Steel	.188	8-5/8	Milled	.060	480	Sand	#6 & #8 Blend
582	592	22	Solid	Steel	.250	8-5/8			592	Gravel	Birds Eye

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 Martell Water Systems, Inc.

Person Firm or Corporation

1818 Loveridge Rd Pittsburg CA 94565

Address City State Zip

Signed [Signature] Date Signed 09/17/2015

C-57 Licensed Water Well Contractor Date Signed C-57 License Number

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. LM-128C

Date Work Began 6/14/93, Ended 6/16/93

Local Permit Agency San Joaquin County Environmental Health Div.

Permit No. 93980 Permit Date 6/01/93

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 495830

DWR USE ONLY - DO NOT FILL IN

03S05E02E M

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

WELL OWNER

ORIENTATION () VERTICAL HORIZONTAL ANGLE (SPECIFY)

DEPTH TO FIRST WATER 39.2 (Ft.) BELOW SURFACE

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to Ft.	
0.0	3.0	Clayey SILT (ML)
3.0	6.0	Silty SAND (SM)
6.0	32.5	Clayey SILT (ML)
32.5	44.0	Gravelly SAND (SW)
44.0	48.5	Silty SAND (SM)
48.5	50.0	SAND (SW)
50.0	66.0	Gravelly SAND (SP)
66.0	71.2	Sandy CLAY (CL)
71.2	76.0	Silty SAND (SM)
76.0	85.0	Sandy SILT (ML)
85.0	86.5	Interbedded SILT (ML) and SAND (SP)
86.5	88.0	SAND (SP)
88.0	94.0	very gravelly SAND (SP/GP)
94.0	98.0	Clayey SILT (ML)
xxxx	xxxxx	
98.0	104.0	Silty SAND (SM)
104.0	106.8	SAND (SP)
106.8	115.5	Silty Sandy GRAVEL (GP)
115.5	133.0	Silty SAND (SM)
133.0	134.0	SAND (SP)
134.0	139.5	Sandy GRAVEL (GP)
139.5	142.5	Gravelly SAND (SP)
142.5	153.5	Sandy GRAVEL/Gravelly SAND (GP/SP)

WELL LOCATION STATE CA

Address DDRW-Tracy, 25600 So. Chrisman Rd.

City Tracy, CA

County San Joaquin County

APN Book _____ Page _____ Parcel _____

or Township T3S Range R5E Section 2

Latitude _____ Longitude _____

DEG. MIN. SEC. WEST

LOCATION SKETCH NORTH

ACTIVITY ()

NEW WELL

MODIFICATION/REPAIR

___ Deepen

___ Other (Specify)

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

PLANNED USE(S) ()

MONITORING

WATER SUPPLY

___ Domestic

___ Public

___ Irrigation

___ Industrial

___ "TEST WELL"

___ CATHODIC PROTECTION

___ OTHER (Specify)

WEST Bldg #29

Consolidated Subsistence Facility

LM128C

SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

TOTAL DEPTH OF BORING 153.5 (Feet)

TOTAL DEPTH OF COMPLETED WELL 150.0 (Feet)

DRILLING METHOD AR Rotary Casing Hammered none

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL 39.8 (Ft.) & DATE MEASURED 7/17/93

ESTIMATED YIELD* _____ (GPM) & TEST TYPE _____

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

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

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL				
		TYPE ()				MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)		GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE		
		BLANK	SCREEN	CON- DUCTOR	FILL PIPE								
0.0	138.5	10	<input checked="" type="checkbox"/>				PVC	4	sch 40				
138.5	150.0	10	<input checked="" type="checkbox"/>				PVC	4	sch 40	0.010			
													#2/16 Sand

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 Corp. 109

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 1202 Kentucky Ave Woodland CA 95776

CITY STATE ZIP

Signed [Signature] DATE SIGNED 9-14-94 C-283326

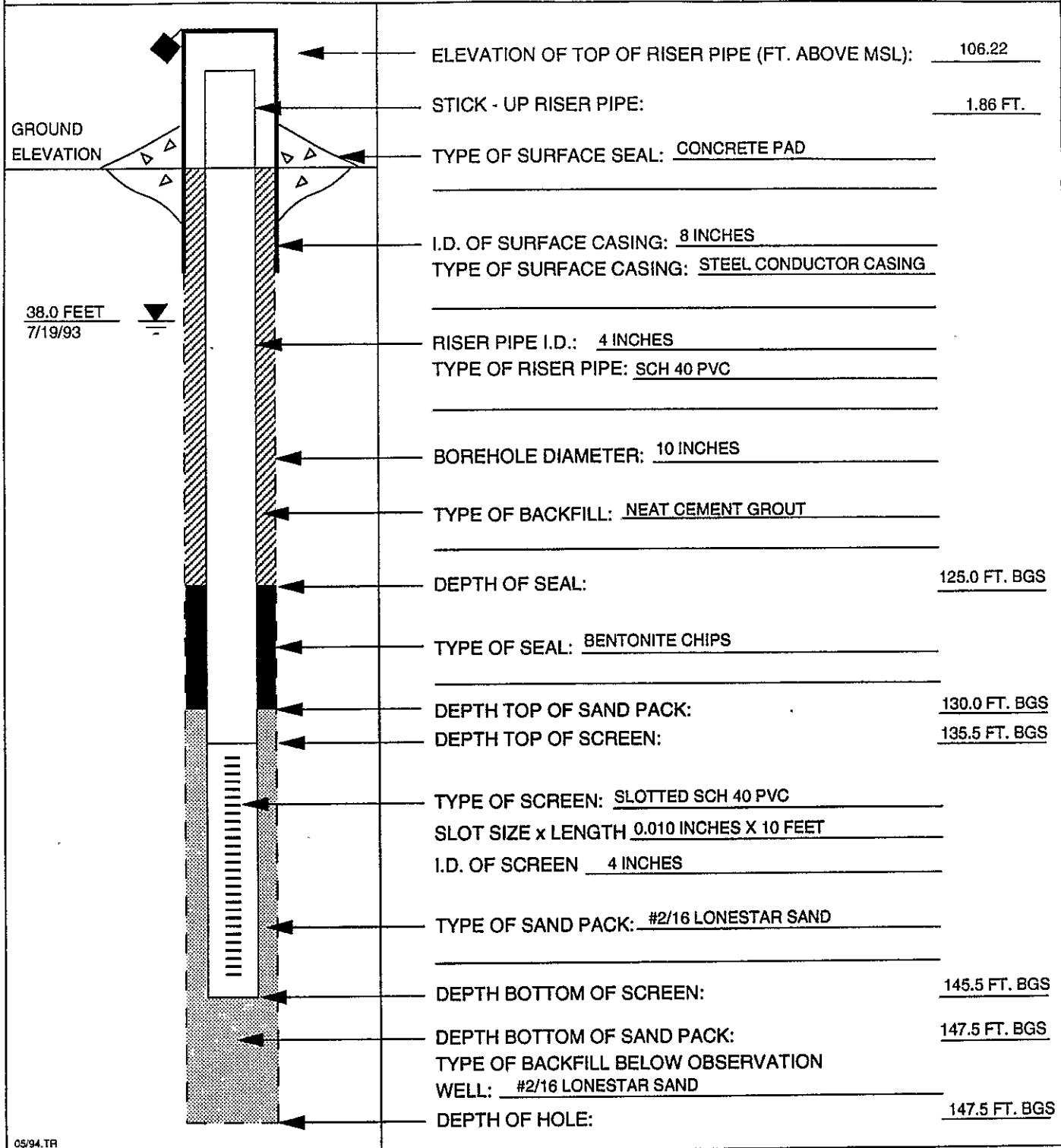
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

495830

BORING NO. LM128C

MONITORING WELL SHEET

PROJECT <u>TRACY PHASE I RI</u>	LOCATION <u>BACKGROUND</u>	DRILLER <u>R.J. VANNUCCI</u>
PROJECT NO. <u>1587.1001</u>	BORING <u>LM-128C</u>	DRILLING METHOD <u>AIR ROTARY CASING HAMMER DEVELOPMENT</u>
ELEVATION <u>G.S. 104.36 FT. ABOVE MSL (NGVD 88)</u>	DATE <u>6/25/93-6/29/93</u>	DEVELOPMENT METHOD <u>SWAB AND PUMP</u>
FIELD GEOLOGIST <u>MARC LOMBARDI</u>		



- ELEVATION OF TOP OF RISER PIPE (FT. ABOVE MSL): 106.22
- STICK - UP RISER PIPE: 1.86 FT.
- TYPE OF SURFACE SEAL: CONCRETE PAD
- I.D. OF SURFACE CASING: 8 INCHES
- TYPE OF SURFACE CASING: STEEL CONDUCTOR CASING
- RISER PIPE I.D.: 4 INCHES
- TYPE OF RISER PIPE: SCH 40 PVC
- BOREHOLE DIAMETER: 10 INCHES
- TYPE OF BACKFILL: NEAT CEMENT GROUT
- DEPTH OF SEAL: 125.0 FT. BGS
- TYPE OF SEAL: BENTONITE CHIPS
- DEPTH TOP OF SAND PACK: 130.0 FT. BGS
- DEPTH TOP OF SCREEN: 135.5 FT. BGS
- TYPE OF SCREEN: SLOTTED SCH 40 PVC
- SLOT SIZE x LENGTH 0.010 INCHES X 10 FEET
- I.D. OF SCREEN 4 INCHES
- TYPE OF SAND PACK: #2/16 LONESTAR SAND
- DEPTH BOTTOM OF SCREEN: 145.5 FT. BGS
- DEPTH BOTTOM OF SAND PACK: 147.5 FT. BGS
- TYPE OF BACKFILL BELOW OBSERVATION WELL: #2/16 LONESTAR SAND
- DEPTH OF HOLE: 147.5 FT. BGS

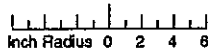
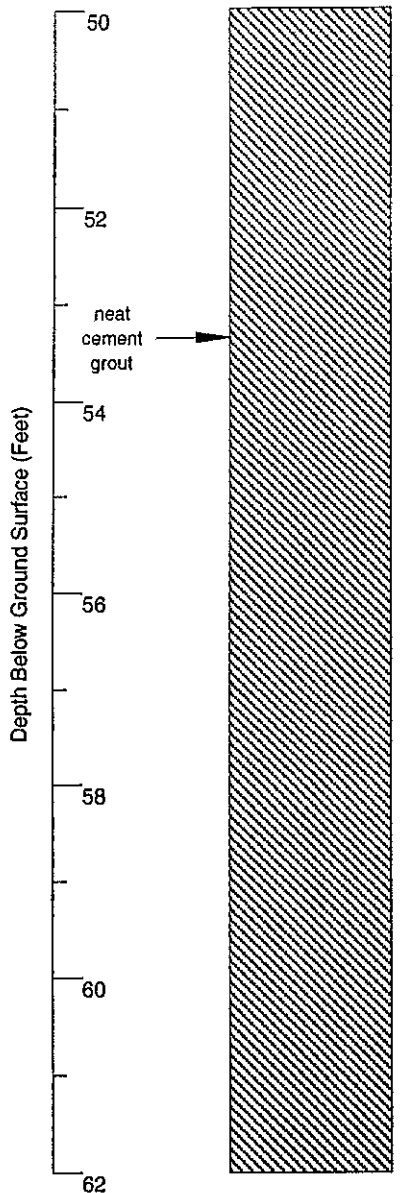
05/94.TR

NOTES:
 - SCREENED ZONE DETERMINED BY INTERPRETATION OF LOWER HORIZON FROM 134-149 FEET BGS, TEST HOLE LM127B/LM128C.
 - CENTRALIZERS PLACED AT TOP AND BOTTOM OF SCREEN AND EVERY 40 FEET THEREAFTER.

495830

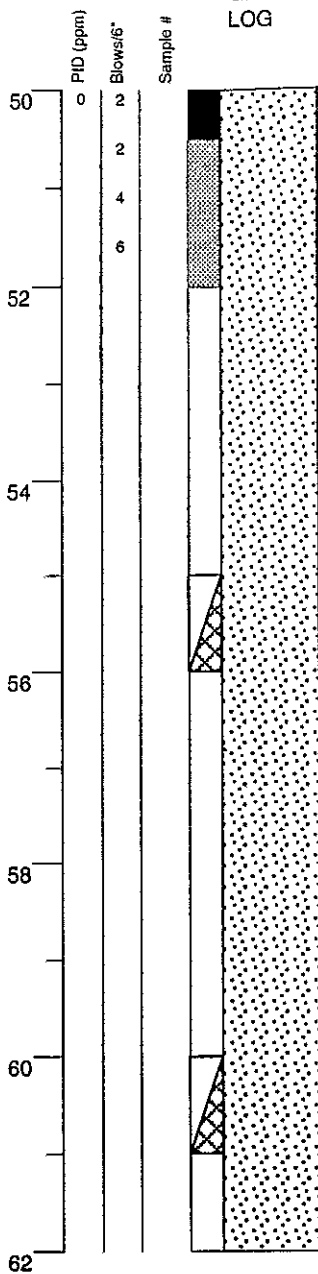
03905E02E

WELL DIAGRAM



GRAPHIC LOG

DESCRIPTION



Start time 16:30 on 6/14/93

See log for well LM-126A for description from 0 to 50 ft.

Gravelly SAND (SP); dark brown to gray; wet; sand fine to coarse, predominantly medium (0.5-0.75 mm), 30% gravel subangular to subrounded, ranges from 5-40 mm, predominantly 25-30 mm, some localized silt zones.

Gravelly SAND (SP); as above.

Also Attached -
 - LM126A log (0-50')
 - LM128C Well Completion Diagram
 - LM128C Geophysical Log (gamma ray)

Gravelly SAND (SP); as above.

Continues

Geologist: Paul Murphy
 Project Mgr: Sue Tiffany
 Dates Drilled: 6/14/93 - 6/16/93

Drilling Company: Water Development Corp.
 Drilling Method: Air Rotary Casing Hammer
 Driller: Tom Moreland
 Drill Rig: Dresser T70W Arch

Type of Sampler: 2 inch diam. split spoon sampler
 TD (Total Depth): 147.0 ft. below ground surface

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered core sample
- Location of sample sealed for chemical analysis
- Particle size sample (See Appendix L)
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- NR No recovery
- Grab sample from cyclone

HP-5



MONTGOMERY WATSON

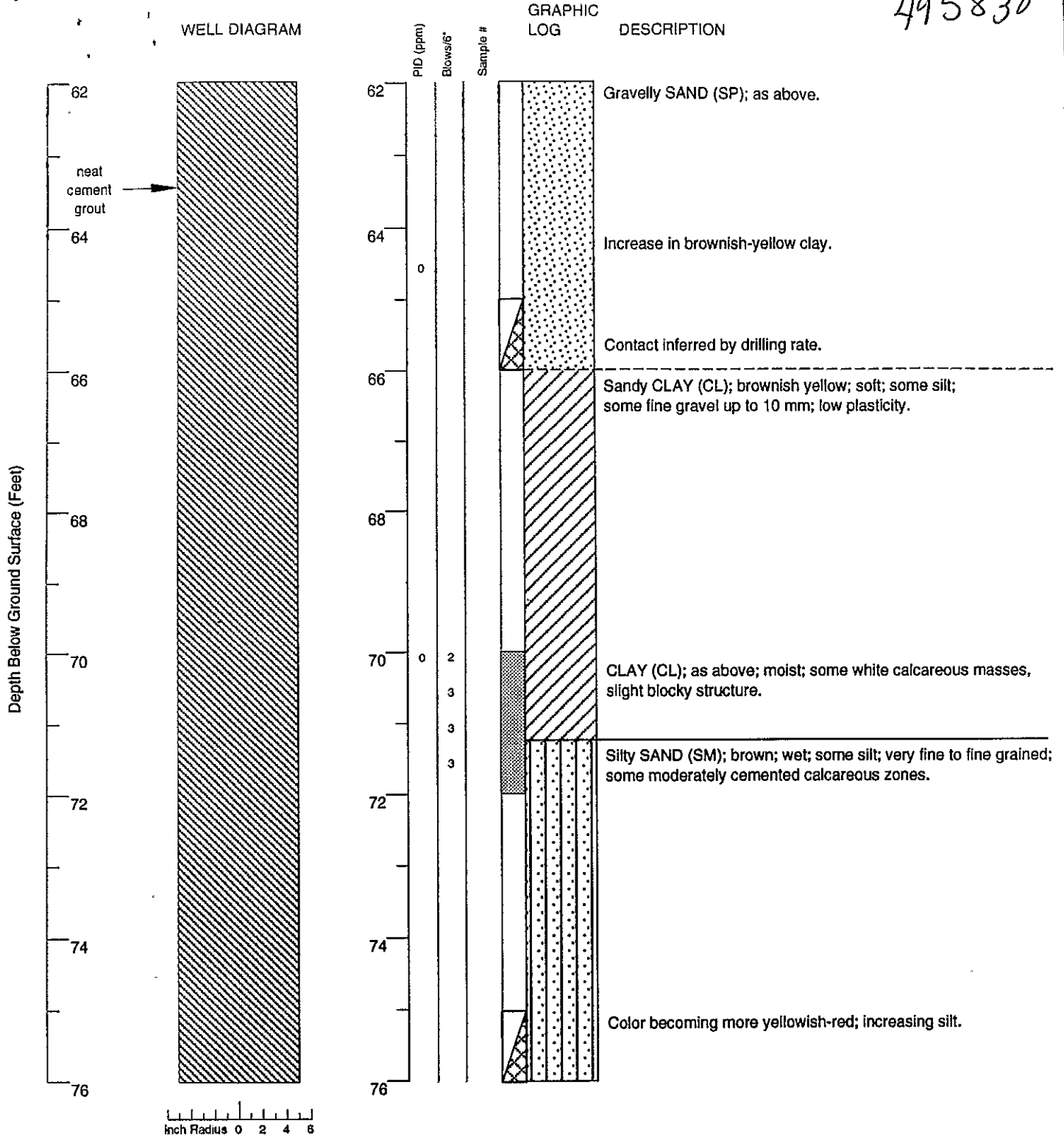
BACKGROUND
 Boring Log
 LM-127B/LM-128C

Tracy Remedial Investigation

TEST HOLE

LM-127B
 LM-128C

495830



Continues

EXPLANATION

	Water level during drilling		Contacts: Solid where certain
	Water level in completed well		Dotted where approximate
	Location of recovered core sample		Dashed where uncertain
	Location of sample sealed for chemical analysis		Hachured where gradational
	Particle size sample (See Appendix L)	NR	No recovery
	Grab sample		Grab sample from cyclone

HP-5

MONTGOMERY WATSON

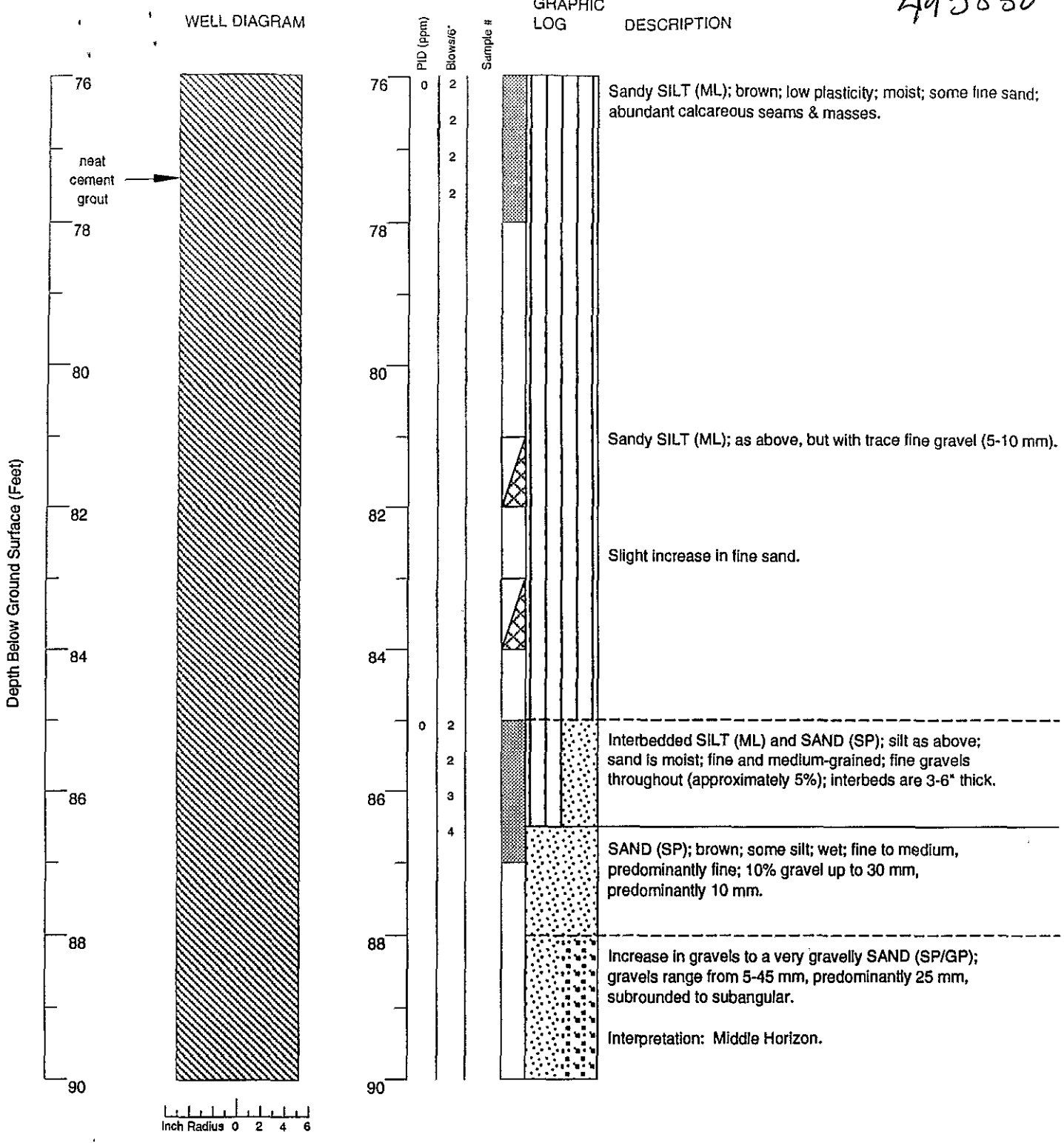
BACKGROUND
Boring Log
LM-127B/LM-128C
Tracy Remedial Investigation

TEST HOLE

LM-127F
LM-128C

Pg. 2 of 8

495830



Continues

EXPLANATION	
	Water level during drilling
	Water level in completed well
	Location of recovered core sample
	Location of sample sealed for chemical analysis
	Particle size sample (See Appendix L)
	Grab sample
	Contacts: Solid where certain
	Dotted where approximate
	Dashed where uncertain
	Hachured where gradational
	NR No recovery
	Grab sample from cyclone

MONTGOMERY WATSON

BACKGROUND
 Boring Log
 LM-127B/LM-128C
 Tracy Remedial Investigation

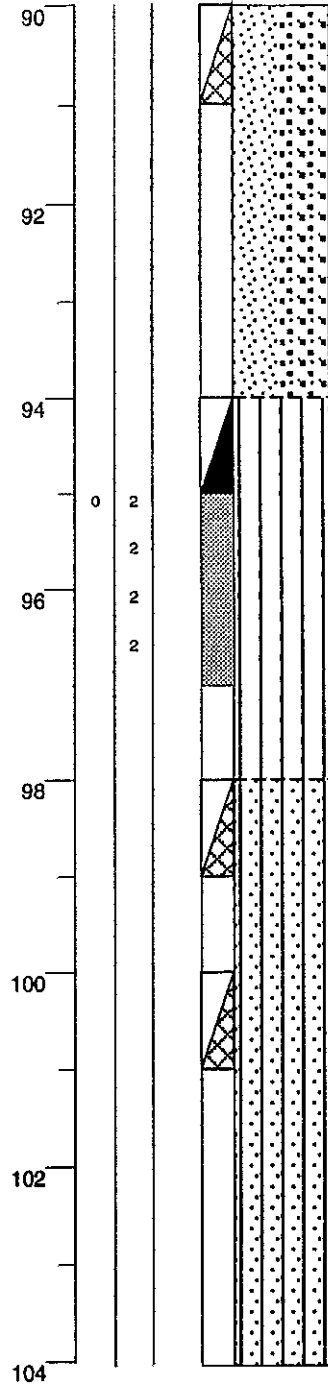
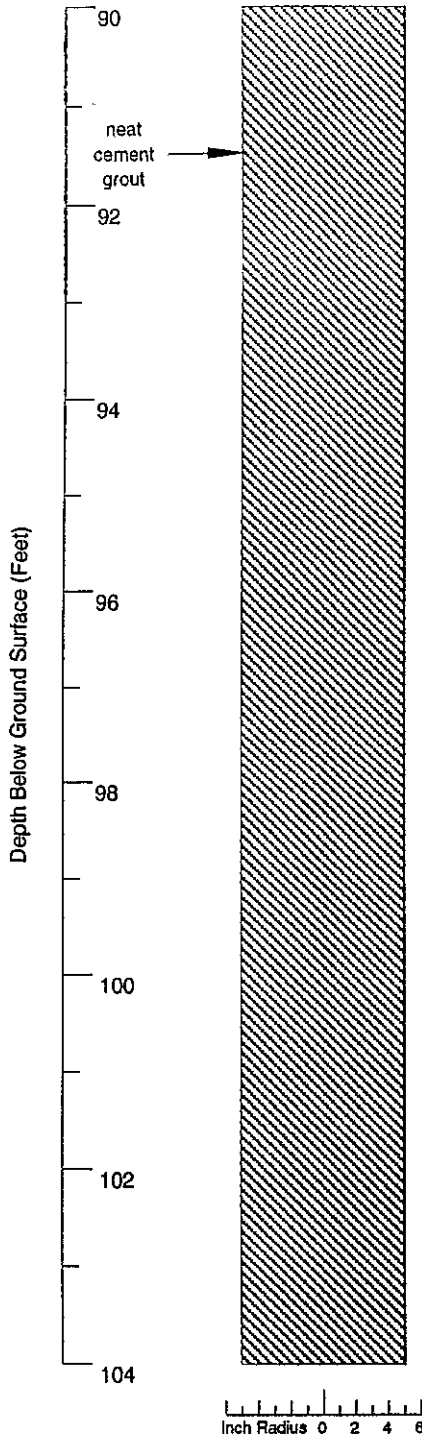
TEST HOLE
LM-127B LM-128C
Pg. 3 of 8

HP-5

WELL DIAGRAM

GRAPHIC LOG

DESCRIPTION



Increase in brown clayey silt.

Contact inferred by drilling rate.

Clayey SILT (ML); brown; medium stiff; moist; some fine sand; abundant calcareous seams; increase in sand to sandy SILT at 96.5 ft.; sand predominantly fine-grained.

Silty SAND (SM); increase in fine and medium sand, predominantly fine; trace fine gravel (5-10 mm).

Abundant fine and medium SAND (SM); trace silt; abundant dark minerals; decrease in gravel to none.

Continues

EXPLANATION

- ☒ Water level during drilling
- ☒ Water level in completed well
- Location of recovered core sample
- Location of sample sealed for chemical analysis
- ☒ Particle size sample (See Appendix L)
- ☒ Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- - - Dashed where uncertain
- ////// Hachured where gradational
- NR No recovery
- ☒ Grab sample from cyclone



MONTGOMERY WATSON

BACKGROUND
Boring Log
LM-127B/LM-128C

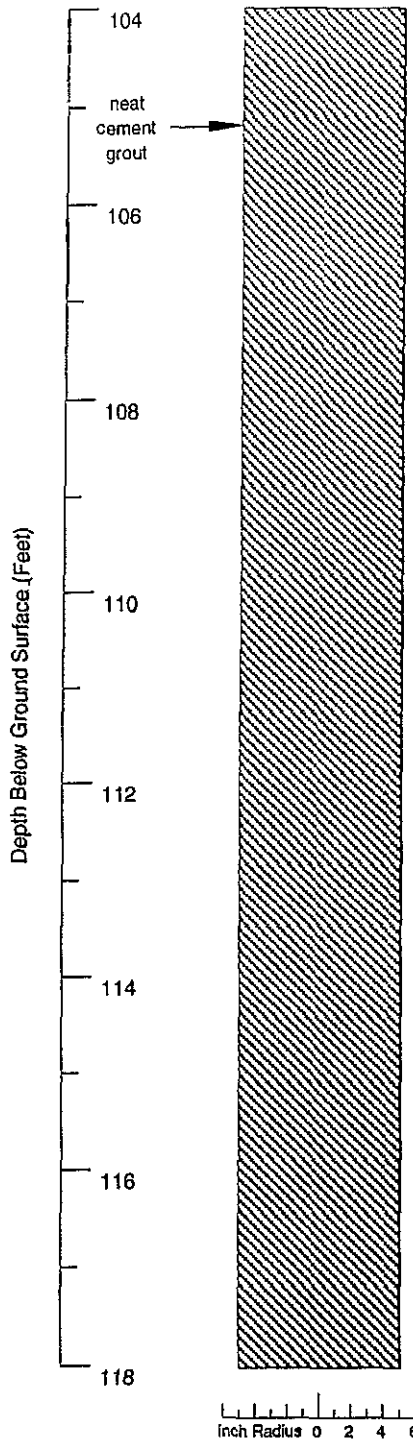
Tracy Remedial Investigation

TEST HOLE

LM-127E
LM-128C

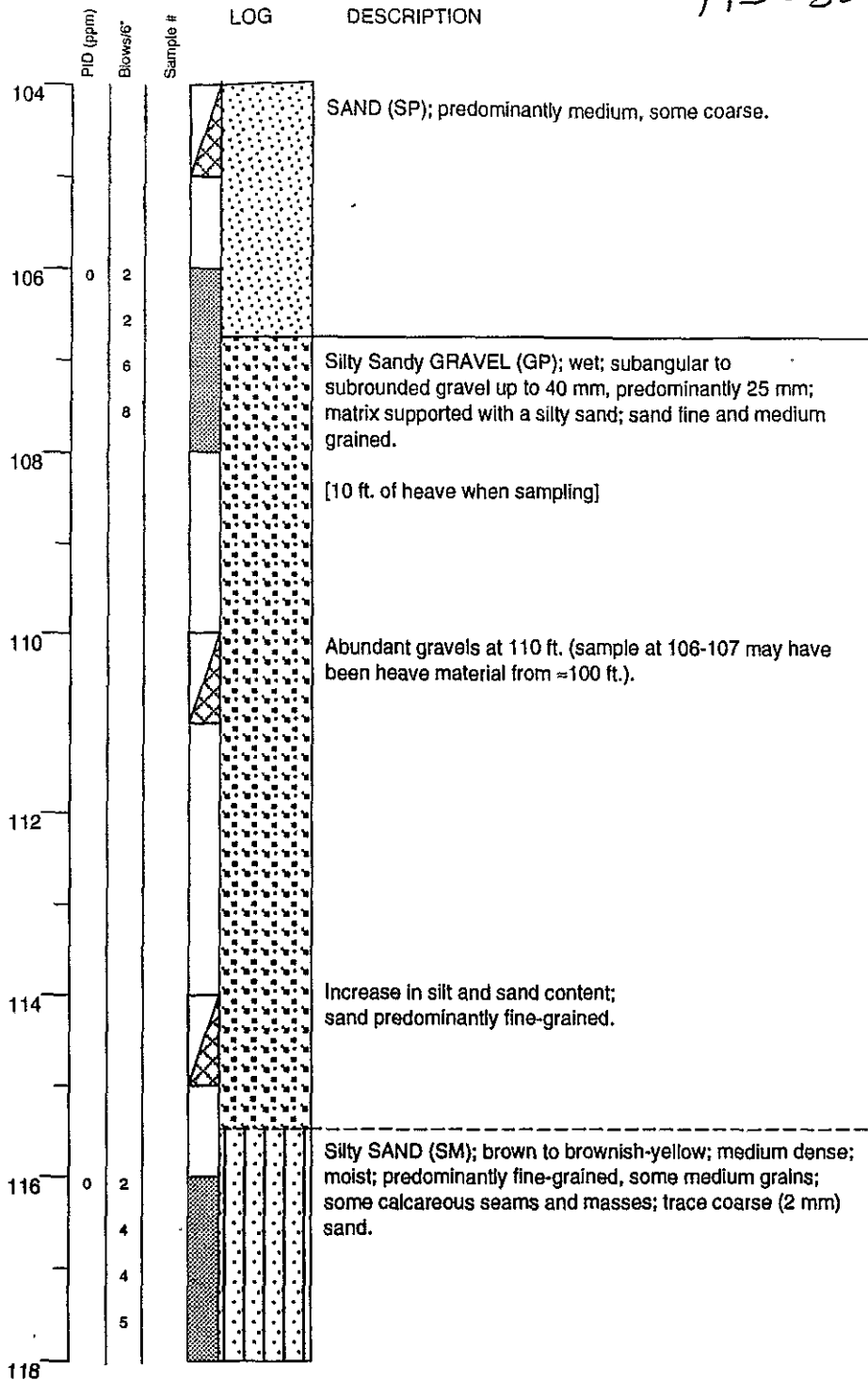
495830

WELL DIAGRAM



GRAPHIC LOG

DESCRIPTION



Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered core sample
- Location of sample sealed for chemical analysis
- Particle size sample (See Appendix L)
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- NR No recovery
- Grab sample from cyclone



MONTGOMERY WATSON

BACKGROUND
Boring Log
LM-127B/LM-128C

Tracy Remedial Investigation

TEST HOLE

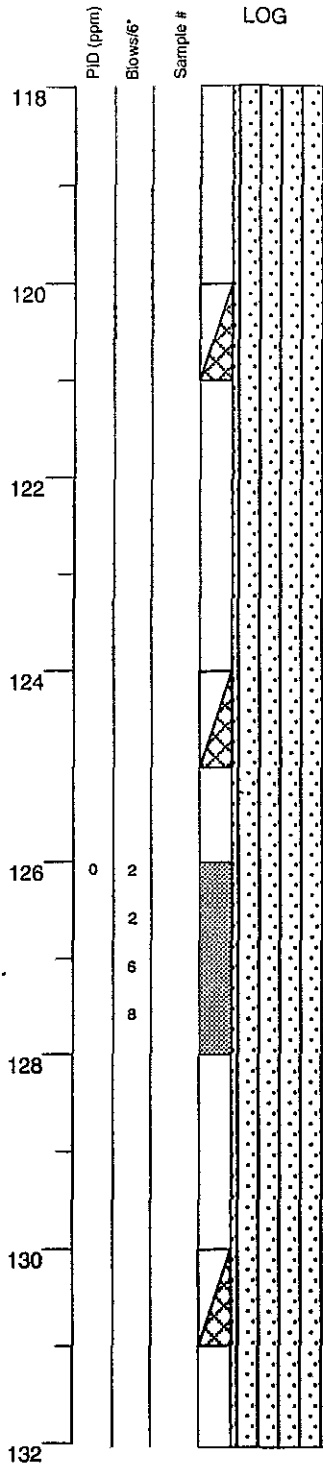
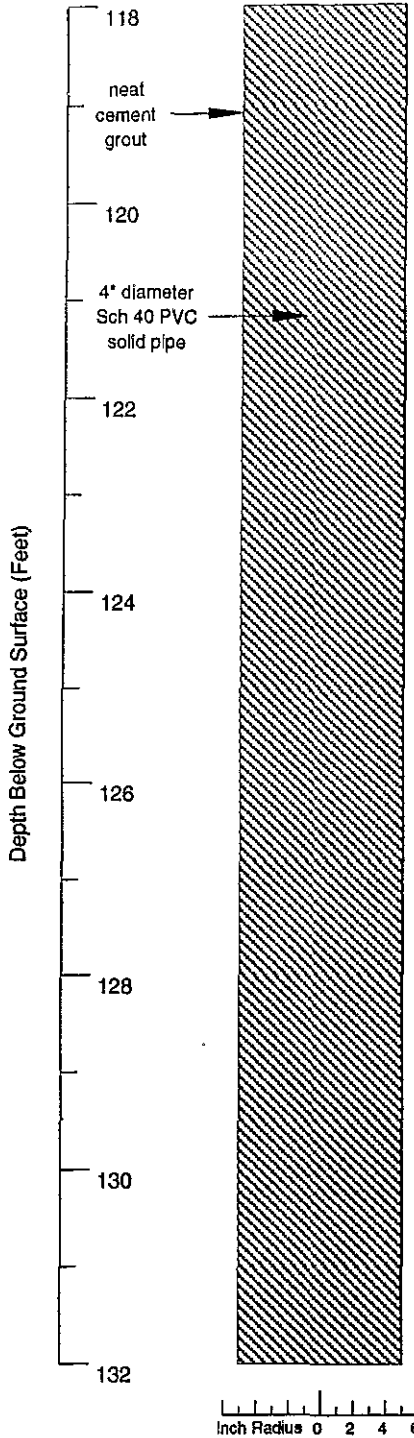
LM-127B
LM-128C

495830

WELL DIAGRAM

GRAPHIC LOG

DESCRIPTION

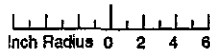


Silty SAND (SM); as above.

Silty SAND (SM); as above, but with slight increase in silty clay.

Silty SAND (SM); as above.

Silty SAND (SM); as above.



Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered core sample
- Location of sample sealed for chemical analysis
- Particle size sample (See Appendix L)
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- NR No recovery
- Grab sample from cyclone

HP-5



MONTGOMERY WATSON

BACKGROUND
Boring Log
LM-127B/LM-128C

Tracy Remedial Investigation

TEST HOLE

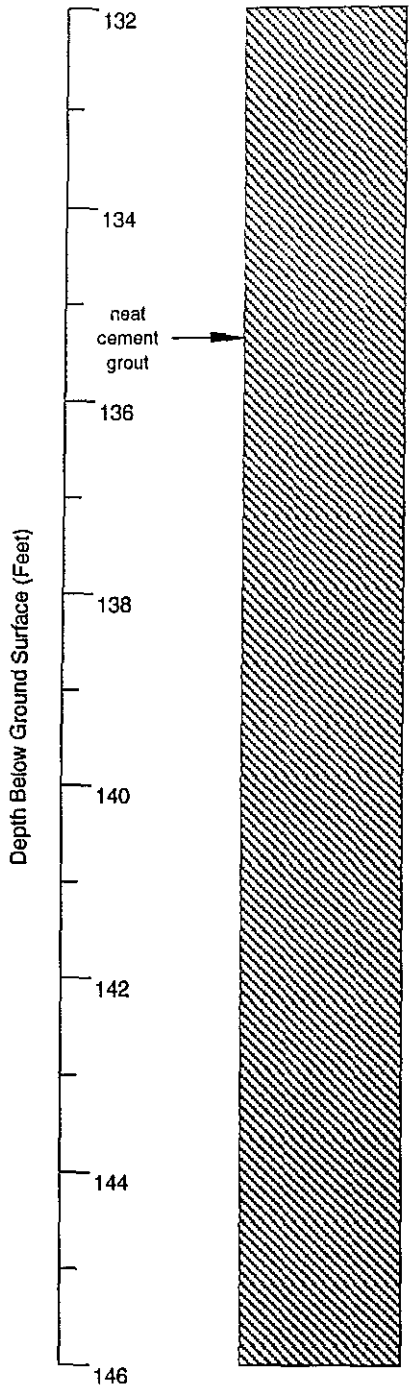
LM-127E
LM-128C

495830

WELL DIAGRAM

GRAPHIC LOG

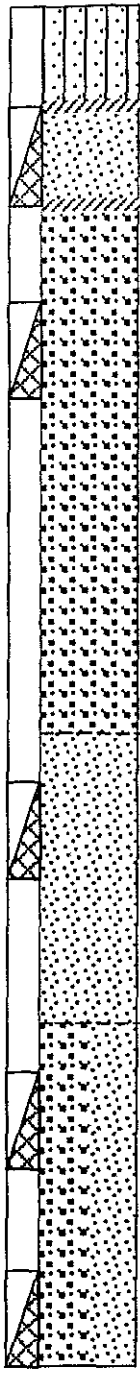
DESCRIPTION



PID (ppm)

Blows/6"

Sample #



Silty SAND (SM); as above; increase in fine gravels and medium sand; trace silt.

Increase in gravel and medium and coarse SAND (SP).

Sandy GRAVEL (GP); subangular to subrounded; ranges from 5-50 mm, predominantly 25-30 mm; sand is wet; some silt; predominantly medium.

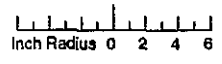
Stop drilling = 136 ft. 6/15/93
Resume drilling 6/16/93 @ 09:15

Interpretation: Lower Horizon.

Decrease in gravel increase in sand to a gravelly SAND (SP); sand predominantly medium-grained, 20% gravel from 5-25 mm; some clayey silt; trace calcareous masses.

Sandy GRAVEL/Gravelly SAND (GP/SP); sand predominantly medium-grained, some coarse grains, 40-50% subangular to subrounded; gravel from 5-50 mm, predominantly 10-20 mm.

Interpretation: Lower Horizon.



Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered core sample
- Location of sample sealed for chemical analysis
- Particle size sample (See Appendix L)
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- NR No recovery
- Grab sample from cyclone



BACKGROUND
Boring Log
I M-127B/LM-128C
Tracy Remedial Investigation

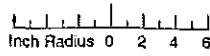
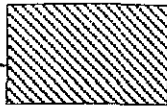
TEST HOLE

LM-127B
LM-128C

495830

WELL DIAGRAM

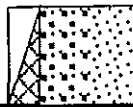
146
neat
cement
grout



GRAPHIC LOG

DESCRIPTION

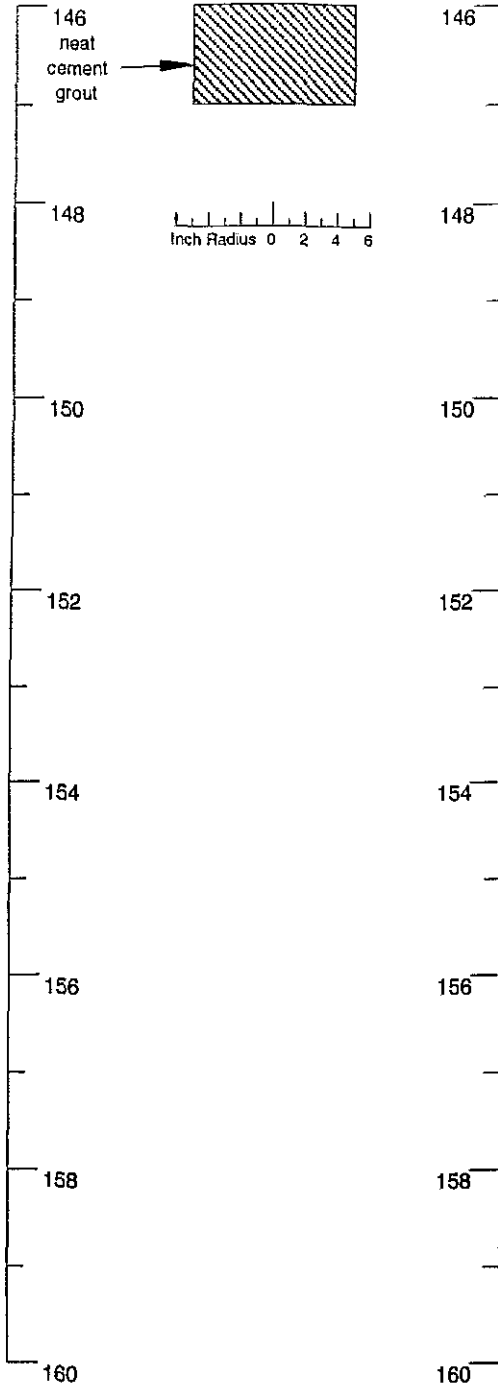
PID (ppm)
Blows/6"
Sample #



Slight increase in amount of gravel.

TD = 147 feet @ 19:45

Depth Below Ground Surface (Feet)



EXPLANATION

- ∇ Water level during drilling
- ▼ Water level in completed well
- ▨ Location of recovered core sample
- Location of sample sealed for chemical analysis
- ▣ Particle size sample (See Appendix L)
- ⊠ Grab sample
- Contacts:
Solid where certain
- Dotted where approximate
- - - Dashed where uncertain
- ////// Hachured where gradational
- NR No recovery
- ▣ Grab sample from cyclone

HP-5



MONTGOMERY WATSON

BACKGROUND
Boring Log
LM-127B/LM-128C

Tracy Remedial Investigation

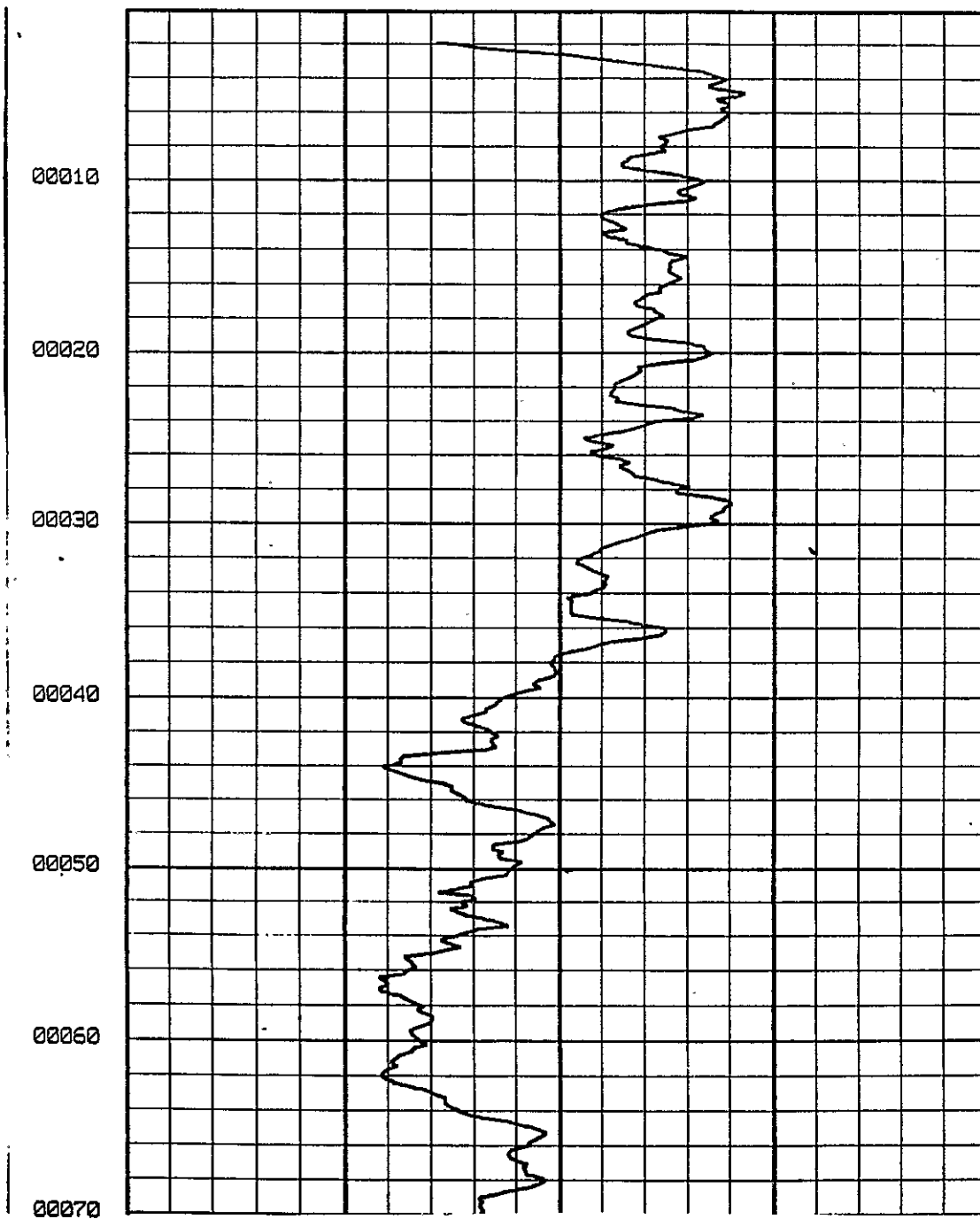
TEST HOLE

LM-127F
LM-128C

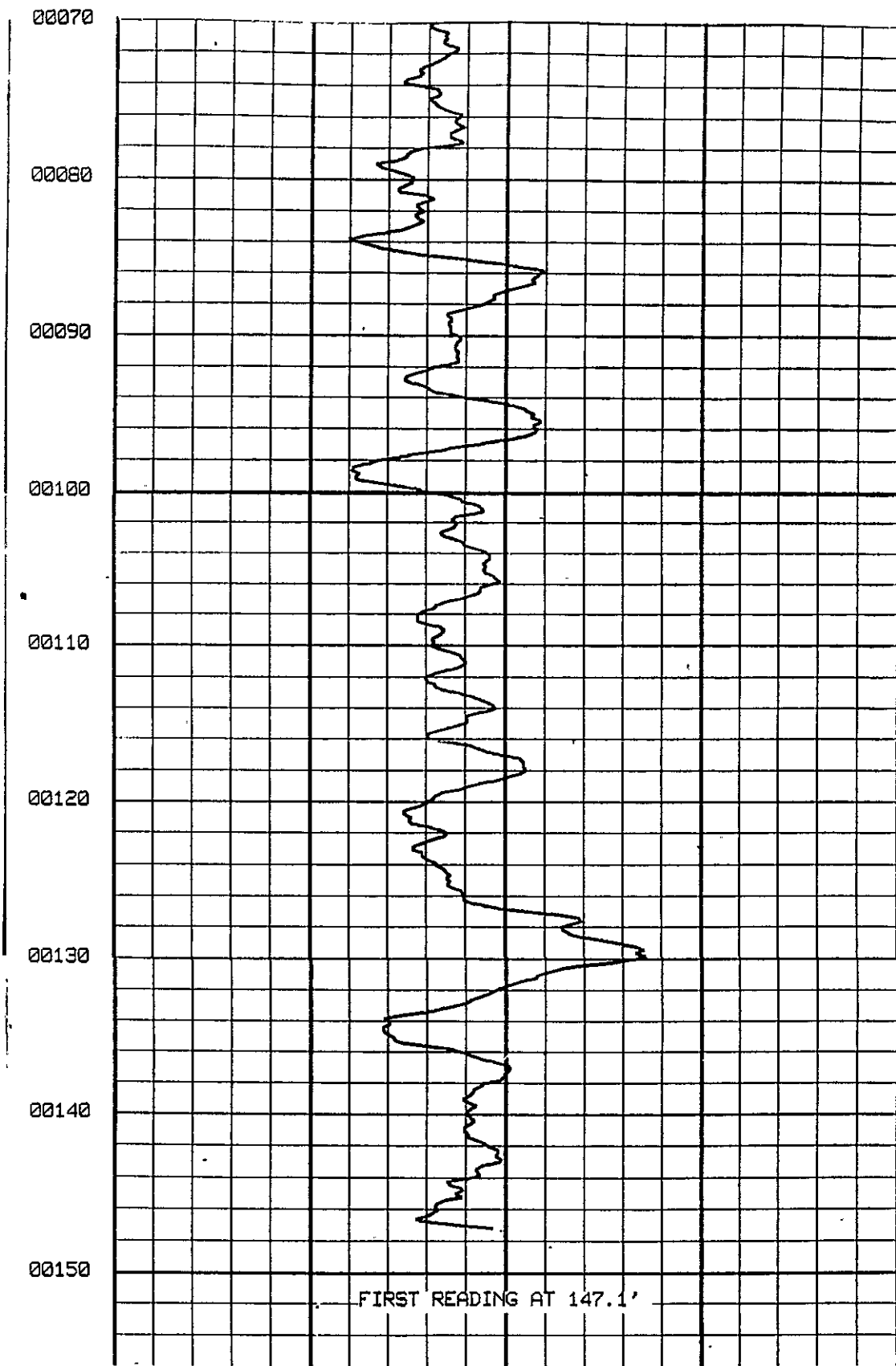
EQUIPMENT DATA				
LOG TYPE	GAMMA RAY			
RUN NO.	ONE			
TOOL MODEL NO.	GCN27XU			
TOOL SERIAL NO.	T112			
DIAMETER	1.75"			
DETECTOR TYPE	G.M.			
DETECTOR LENGTH	18"			
UNITS/DIV.	5 API			
SENSITIVITY	100/223			
TIME CONSTANT	2			
ZERO DIV L OR R	4-L			
SPEED-FPM	20			
SAMPLES/FT.	5			
FORMATION FACTOR	N/A			
PUMP RATE-GPM	N/A			
PUMP RATE-GPM	N/A			
PUMP RATE-GPM	N/A			
SOURCE TYPE	STRENGTH	SPACING	MODEL NO	SERIAL NO.
N/A	N/A	N/A	N/A	N/A
PERFORATIONS: N/A				
REMARKS:				
NOTICE:				
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by one of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.</p>				
HELENCO, INC.				

495830

DEPTHS	
	GAMMA RAY API Units
	20 120



495830



	20	API Units GAMMA RAY	120
DEPTHS			

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. **774071**

DWR USE ONLY — DO NOT FILL IN

0 3 5 0 5 6 2 3

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 2
Owner's Well No. 95215
Date Work Began 8/21/00, Ended 8/23/00
Local Permit Agency Public Health Services
Permit No. 23780 Permit Date 8/18/00

ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE <input type="checkbox"/> (SPECIFY)			DRILLING METHOD <u>ROTARY</u>	FLUID <u>Mud</u>
DEPTH FROM SURFACE			DESCRIPTION	
Fl	to	Fl.	Describe material, grain, size, color, etc.	
0	5		Soil	
5	12		Clay	
12	14		Sand	
14	58		clay	
58	60		Sand	
60	175		Clay	
175	176		Coarse Sand	
176	200		Clay & Sand Streaks	
200	285		Clay	

WELL OWNED

CITY _____ STATE _____ ZIP _____

WELL LOCATION

Address 6500 W. Durham Ferry
City Tracy CA
County San Joaquin
APN Book 283 Page 280 Parcel 22
Township _____ Range _____ Section _____
Latitude _____

DEG. MIN. SEC. LOCATION SKETCH

DEG. MIN. SEC. 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 _____
REMEDICATION _____
OTHER (SPECIFY) _____

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.

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER _____ (FL.) BELOW SURFACE 1

DEPTH OF STATIC WATER LEVEL 80 (FL.) & DATE MEASURED 8/23/00

ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____

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

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

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)						
		TYPE (✓)		MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	
Fl	to	Fl.	BLANK SCREEN					CON. DRILLER FILL PIPE
0	170	12	✓		PLASTIC	6	160	160
170	210			✓				

DEPTH FROM SURFACE	ANNULAR MATERIAL					
	TYPE					
Fl	to	Fl.	CE- MENT (✓)	BEN- TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	106			✓		
106	210				✓	GRAVEL

ATTACHMENTS (✓)

Geologic Log
 Well Construction Diagram
 Geophysical Log(s)
 Soil/Water Chemical Analysis
 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 MASELLIS DRILLING, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

119 Albers Rd. Modesto CA 95357
ADDRESS CITY STATE ZIP

Signed [Signature] DATE SIGNED 08/31/00 668622 C-67 LICENSE NUMBER

WELL DRILLER/AUTHORIZED REPRESENTATIVE

4/6-4E1 (CONT.)

Form 359 (Rev. 51)
Bureau of Reclamation

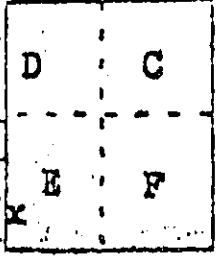
WELL LOG

County San Joaquin Owner _____ U.S.B.R. No. 4-6-4E1
 Dist. Delta Use Irrigation Local No. Well #2
 Quad. Carbana Driller Western, San Jose Date April 12 - May 1, 1947
 Location 2500' S, 100' E., NW corner

Surf. Elev. 4180 Groundwater elev. _____ Date _____
 Depth 623 Groundwater elev. _____ Date _____
 Yield _____ Aquifers _____
 Drawdown _____ Artesian head _____ Date _____
 Casing See sheet 1 % Sand-gravel _____

Source of data Western's files Type drill Rotary Diam. hole _____

Depth	Elev.	Thick	Description	Perforation Log
359-383			extra hard cemented clay and boulders	68-72
383-395			clay and gravel - hard	132-178
395-398			cemented clay and gravel - hard	192-210
398-403			clay	228-240
403-411			streaks of gravel and some clay	252-264
411-415			extra hard cemented clay and boulders	276-294
415-418			hard cemented clay and boulders	312-348
418-423			clay	360-372
423-428			"	384-398
428-470			hard cemented clay and gravel	404-418
470-478			hard cemented clay and gravel	432-444
478-479			extra hard rocks	456-468
479-484			clay	480-496
484-486			cemented clay and gravel	504-516
486-489			cemented clay and boulders	532-544
489-492			clay	552-596
492-495			gravel and boulders - hard	
495-497			" " " "	
497-505			clay	
505-526			hard clay and gravel	
526-533			clay	
533-541			free gravel	
541-546			tight gravel	
546-554			clay	
554-557			clay and gravel	
557-570			streaks good gravel and some clay	
570-590			clay and gravel	
590-618			" " "	
618-623			" " "	



STATE OF CALIFORNIA
WELL COMPLETION REPORT

M

DWR USE ONLY -- DO NOT FILL IN

02505E23

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Refer to Instruction Pamphlet

No. **788422**

Owner's Well No. **MW#5C**

Date Work Began **9/10/02**, Ended **9/11/02**

Local Permit Agency **SAN JOAQUIN CO. ENV. HEALTH**

Permit No. **SROO30784** Permit Date **8/7/02**

GEOLOGIC LOG

WELL OWNER

ORIENTATION (✓)		DRILLING METHOD		DESCRIPTION
VERTICAL	HORIZONTAL	ROTARY	FLUID	
DEPTH FROM SURFACE		Describe material, grain, size, color, etc.		
Ft.	to Ft.			
0	20	CONDUCTOR		
20	40	BROWN CLAY & SMALL GRAVEL		
40	60	COARSE SANDS & SMALL GRAVEL		
60	220	BROWN CLAY & SOME SMALL GRAVEL		
220	440	BLUE GRAY CLAY		
440	480	BLUE CLAY		
480	500	COARSE SANDS		
500	560	SANDS & BLUE CLAY		
560	580	CLAY & SMALL GRAVEL		
580	600	SAND & SOME CLAY		
600	640	SMALL GRAVEL		
640	660	SMALL GRAVEL & MEDIUM SANDS		
660	680	SMALL GRAVEL & CLAY		
680	700	COARSE SANDS		
700	720	COARSE SANDS & SMALL GRAVEL		
720	760	BROWN CLAY		
760	780	CLAY & SAND MIXED		
780	820	COARSE SANDS & SMALL GRAVEL		

WELL LOCATION

Address **7301 E. ELEVENTH S ST**

City **TRACY CA**

County **SAN JOAQUIN**

APN Book **250** Page **030** Parcel **07**

Township _____ Range _____ Section _____

Latitude _____

DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

NORTH

WEST EAST

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 _____

REMEDICATION _____

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.

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
		TYPE (✓)							
Ft.	to Ft.	BLANK	SCREEN	CON-DUCTOR	FULL PIPE				
0	770	8 3/4	✓			STEEL	6.5/8	.188	
770	810	8 3/4	✓			STEEL	6.5/8	.188	0.050

DEPTH FROM SURFACE	ANNULAR MATERIAL TYPE				
		CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
Ft.	to Ft.				
0	750	✓			
750	820			✓	8/16 SILICA

- ATTACHMENTS (✓)**
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - 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 **BRADLEY & SONS**
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

17702 BALDWIN **MADERA** **CA** **93638**
ADDRESS CITY STATE ZIP

Signed *Robbald Owen* **10/21/02** **41478**
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

WELL DATA

Owner _____ Address _____
 Tenant _____ Address _____
 State Well No. 01S04E28P004M
 Other No. OLNO-3

Type of Well: Hydrograph Key Index Semiannual
 Location: County San Joaquin Basin San Joaquin Valley - Tracy Subbasin No. 5-22.15
 U.S.G.S. Quad. Bethany Quad. No. 463d
SE 1/4 SW 1/4 Section 28, Township. 01S, Range. 04E ^{MD} _{SS} ^H Base & Meridian

Description Piezometer constructed of 2" diameter PVC casing and perforated interval within a yellow, 8" square monument casing standing approximately 3 feet above ground surface. Locking lid with padlock (key available at Central District). Well is located on the left levee.

Survey Location, NAD83 CaSP Zone 3, feet: 2118970.8603 N, 6260429.3475 E

Reference Point description Black RP mark on well dock or slip cap at top of casing.

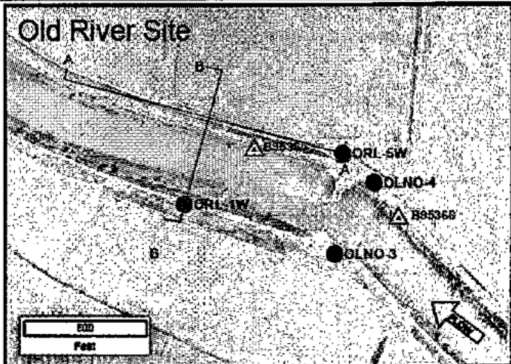
Which is 2.3 ft. ^{Above} land surface. Ground Elevation 14.1 ft.
 Reference Point Elev. 16.4 ft. _{Below} ft. Determined from DWR Survey Unit NAVD88
 Well: Use Monitoring Condition Fair Depth 21 ft.
 Casing, size 2 in., perforations 10-20 ft bgs

Measurement By: DWR USGS USBR County Irr. Dist. Water Dist. Cons. Dist.
 Chief Aquifer: Name _____ Depth to Top Aq. _____ Depth to Bot. Aq. _____
 Type of Material _____ Perm. Rating _____ Thickness _____
 Gravel Packed? Yes No Depth to Top Gr. 8 ft Depth to Bot. Gr. 21 ft
 Supp. Aquifer _____ Depth to Top Aq. _____ Depth to Bot. Aq. _____
 Driller Layne-Christensen

Date drilled September 14, 2002 Log filed no Open (1) _____ Confidential (2) _____

Equipment: Pump, type _____ Make _____
 Serial No. _____ Size of discharge pipe _____ in.
 Power, Kind _____ Make _____
 H.P. _____ Motor Serial No. _____
 Elec. Meter No. _____ Transformer No. _____
 Yield _____ GPM Pumping level _____ ft.

Water Analysis: Min. (1) _____ San. (2) _____ H.M.(3) _____
 Water Levels Available: Yes (1) No _____
 Period of Record: Begin Feb. 21, 2006 End active
 Collecting Agency California Department of Water Resources
 Prod. Rec. (1) _____ Pump Test (2) _____ Yield (3) _____



REMARKS

This well is one of 4 wells at this site on Old River and one of 2 wells on the left/south side of the river. The wells were installed to monitor groundwater levels. The well is equipped with a data logger which records 15 minute groundwater levels. This data can be found on the internet in the DWR Water Data Library.

Recorded by: Mark Souverville
 Date: 08/20/07

E06 Jovt

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

SHEET 1 of 2
HOLE NO. OLNO-3
ELEV. 14.0 (Survey) FEET
DEPTH 21.0 FEET
DATE DRILLED 09/14/2005
ATTITUDE Vertical
LOGGED BY F. Nasirian
DEPTH TO WATER 20.5 9/14/05

DRILL HOLE LOG

PROJECT Delta Facilities
FEATURE Fish Control Structure - Old River (DMC)
LOCATION N. 2,118,970.6 E. 6,260,429.5
CONTR. Layne Christensen DRILL RIG CME-850

- DR- Standard Penetration Test
 - P- Push
 - B- Bag Sample
 - NS- No Sample
 - S- Shelby Tube
 - AD- Auger Drilling
 - PP- Pocket Penetrometer
 - SV- Shear Vane
- *Installed Piezometer

DEPTH (ELEV.)	LOG	FIELD CLASSIFICATION AND DESCRIPTION	SAMPLE NO.	MODE	REMARKS
0.0		<u>EMBANKMENT</u> 0.0 to 12.5'		P	Began drilling using 8.25-inch augers.
(14.0)			Box 1	1.7 2.5	
	ML/OL	0.0 to 5.0' <u>Silt with Clay Layers (ML/CL)</u> : About 50% silt and about 50% lean clay; micaceous; dry; brown.	B-1	DR	2.3 to 4.0' Recovery- 0.6' 7/6/7 N= 13
5.0		5.0 to 12.5' <u>Silt (ML)</u> : About 90% nonplastic fines; rapid dilatancy; about 10% low plasticity fines; micaceous; moist; brown.	NS	AD	5.0 to 7.5' 500 psi
			Box 1	2.5 2.5	
			B-2	DR	7.5 to 9.0' Recovery- 0.5' 4/3/5 N= 8
	ML	10.0 to 12.5' As above; wet.	NS	AD	10.0 to 12.5' 500 psi
10.0		<u>QUATERNARY ALLUVIUM</u> 12.5 to 21.0'	Box 1	P	
(4.0)				2.5 2.5	
		12.5 to 21.0' <u>Organic Clay (OL)</u> : About 95% light plasticity; medium to high toughness; about 5% nonplastic fines; slight micaceous; wet; grayish black to black.	B-3	DR	12.5 to 14.0' Recovery- 1.1' 3/2/3 N= 5 Tip contains peat.
	OH		NS	AD	
15.0			Box 1	P	
16.0					

5068000

State of California
 The Resources Agency
 DEPARTMENT OF WATER RESOURCES
DRILL HOLE LOG

SHEET 2 of 2
 HOLE NO. OLNO-3

PROJECT & FEATURE **Delta Facilities - Fish Control Structure - Old River (DMC)**

DEPTH (ELEV.)	LOG	FIELD CLASSIFICATION AND DESCRIPTION	SAMPLE NO.	MODE	REMARKS
16.0		<u>QUATERNARY ALLUVIUM</u> 12.5 to 21.0' 12.5 to 21.0' <u>Organic Clay (OH)</u> : (cont.)	Box 1	2.5 2.5	17.5 to 19.0' Recovery- 1.1' 4/4/6 N= 10
17.0	OH		B-4	DR	
20.0	∇		NS	AD	
(-6.0)					
21.0	OH	Hole bottomed at 21.0' on 9/14/05.			Installed piezometer 2" Slotted PVC (10.0 to 20.0) 2" Solid PVC (0.0 to 10.0) #3 Sand (8.0 to 21.0) Bentonite Chips (6.5 to 8.0) 5% Cement and bentonite mix grout (0.0 to 6.5') Stick-up (2.3')
(-7.0)					



ZIM INDUSTRIES, INC.

4545 E. Lincoln • Fresno, CA 93725

Fax Cover Sheet

To: Company: _____
 Attention: Richard Slatz
 Fax No: 916-852-6385
 Date: 12-14-01
 Subject: TRACY park & Ride well

From: Sender: Brian Z.
 # of Pages: 10
 (including cover sheet)

Screen sections	1196-1176
	1122-1014
	982-966
	796-774
	754-738
	678-656
	636-610
	598-550



ELECTRIC LOG

FILING NO.	COMPANY	ZIM INDUSTRIES INC.		
	WELL	PARK & RIDE TEST WELL		
	FIELD	CITY OF TRACY		
	COUNTY	SAN JOAQUIN	STATE	CALIFORNIA
	LOCATION:	GRANT LINE ROAD & HWY 205	OTHER SERV: 6' LATERAL	
JOB NO. 34326	SEC	TWP	RGE	
	Permanent Datum:	G.L.	Elev:	K.B.
	Log Measured From	G.L.	Ft Above Perm Datum	D.F.
	Drilling Measured From	G.L.		G.L.
Date	OCT. 15, 2001	OCT. 15, 2001		
Run No.	TWO (E-LOG)	TWO (LATERAL)		
Depth - Driller	1240'	1240'		
Depth - Logger	1242'	1242'		
Btm. Log Inter.	1241'	1241'		
Top Log Inter.	50'	50'		
Casing-Driller	36" at 50'	36" at 50'		at
Casing-Logger	36" at 50'	36" at 50'		at
Bit Size	17.5"	17.5"		
Type Fluid In Hole	BENT/POLY.		BENT/POLY.	
Dens.	Visc.	N/A	N/A	
pH	Fluid Loss	N/A ml	N/A ml	ml
Source of Sample	PIT		PIT	
Rm at Meas.Temp	12.6 at 75 F	12.6 at 75 F		at F
Rmf at Meas.Temp	N/A at F	N/A at F		at F
Rmc at Meas.Temp	N/A at F	N/A at F		N/A at F
Source: Rmf Rmc	MEAS	MEAS		MEAS
Rm at BHT	N/A at F	N/A at F		N/A at F
Time Since Circ.	N/A	N/A		
Max. Rec. Temp.	N/A	F		F
Equip	Location	L-22 SNS	L-18 SNS	
Recorded By	SHARPLESS		SHARPLESS	
Witnessed By	K. WORSTER		K. WORSTER	

This Heading and Log Conform To API RP 31

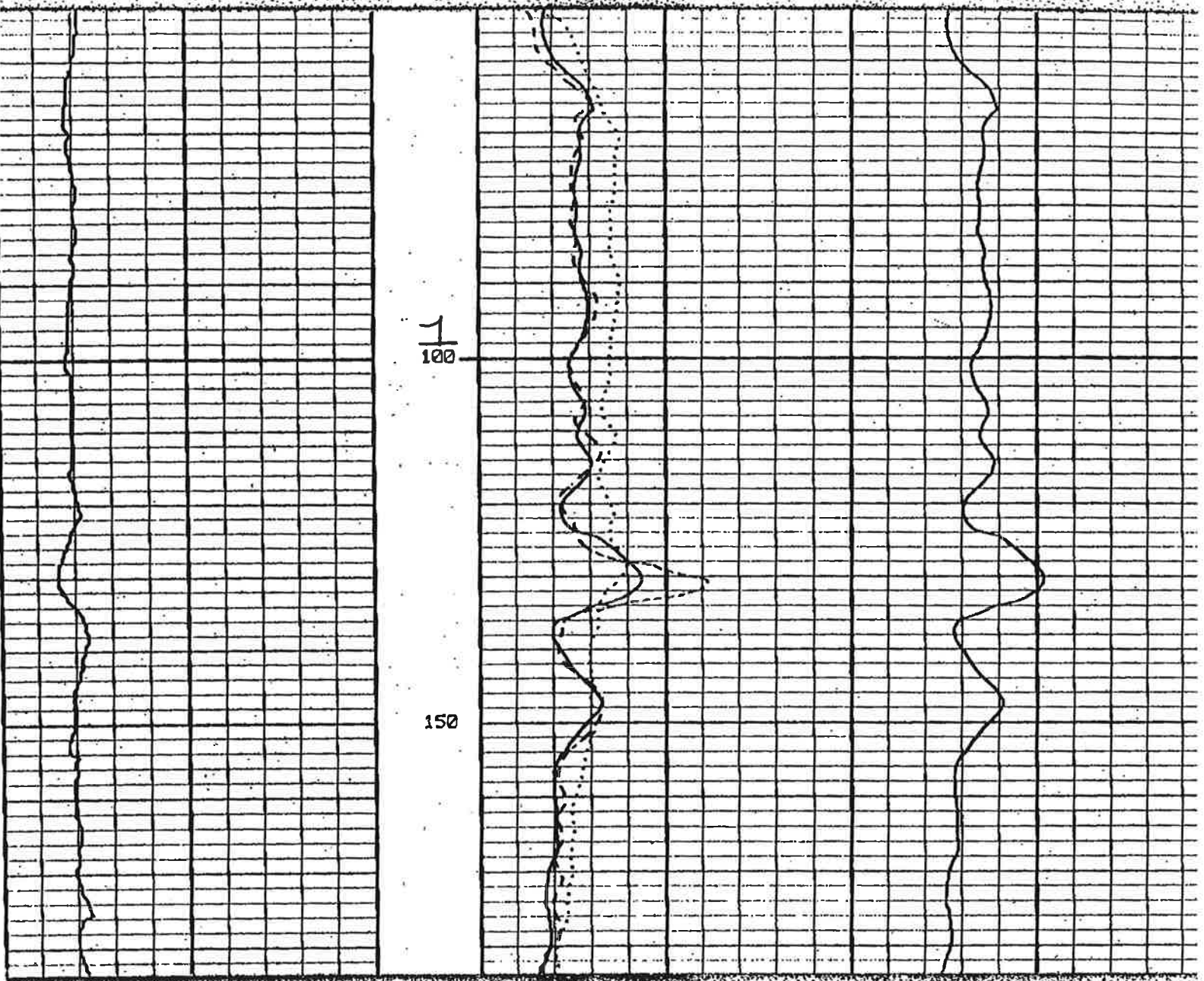
Fold Here

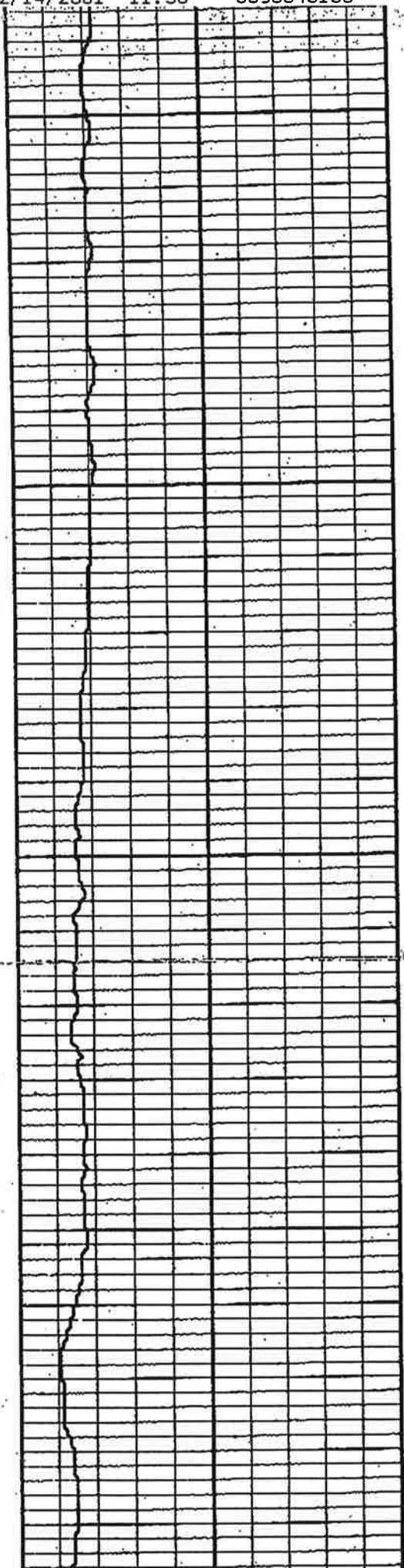
Changes in Mud Type or Additional Samples		Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth-Driller					
Type Fluid in Hole					
Dens.	Visc.				
ph	Fluid Loss	ml		ml	
Source of Sample					
Rm at Meas. Temp.		at	F	Run No.	Tool Type
Rmf at Meas. Temp.		at	F	ONE	ELECTRIC
Rmc at Meas. Temp.		at	F		
Source: Rmf Rmc					
Rm at BHT		at	F		
Rmf at BHT		at	F		
Rmc at BHT		at	F		

REMARKS: WELL DRILLED BY ZIM INDUSTRIES, INC.

6' LATERAL SUPERIMPOSED OVER 16-64" NORMALS. PRESENTED AS A DASHED CURVE

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohmeters ² /meter	RESISTANCE ohms
	0	SHORT NORMAL 16 Inch	50
	0	x10 BACK UP	500
	0	LONG NORMAL 64 Inch	50
	0	x10 BACK UP	500
	50		SINGLE POINT Detail Curve



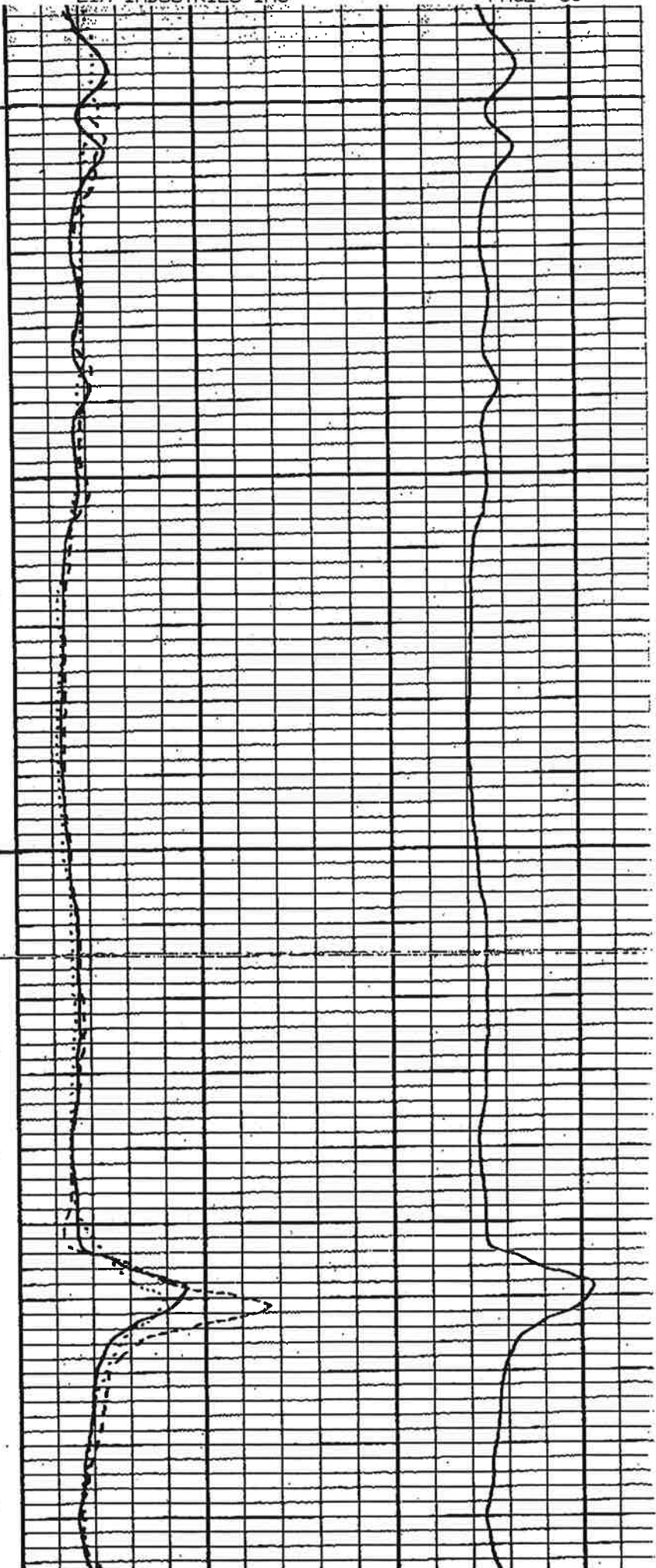


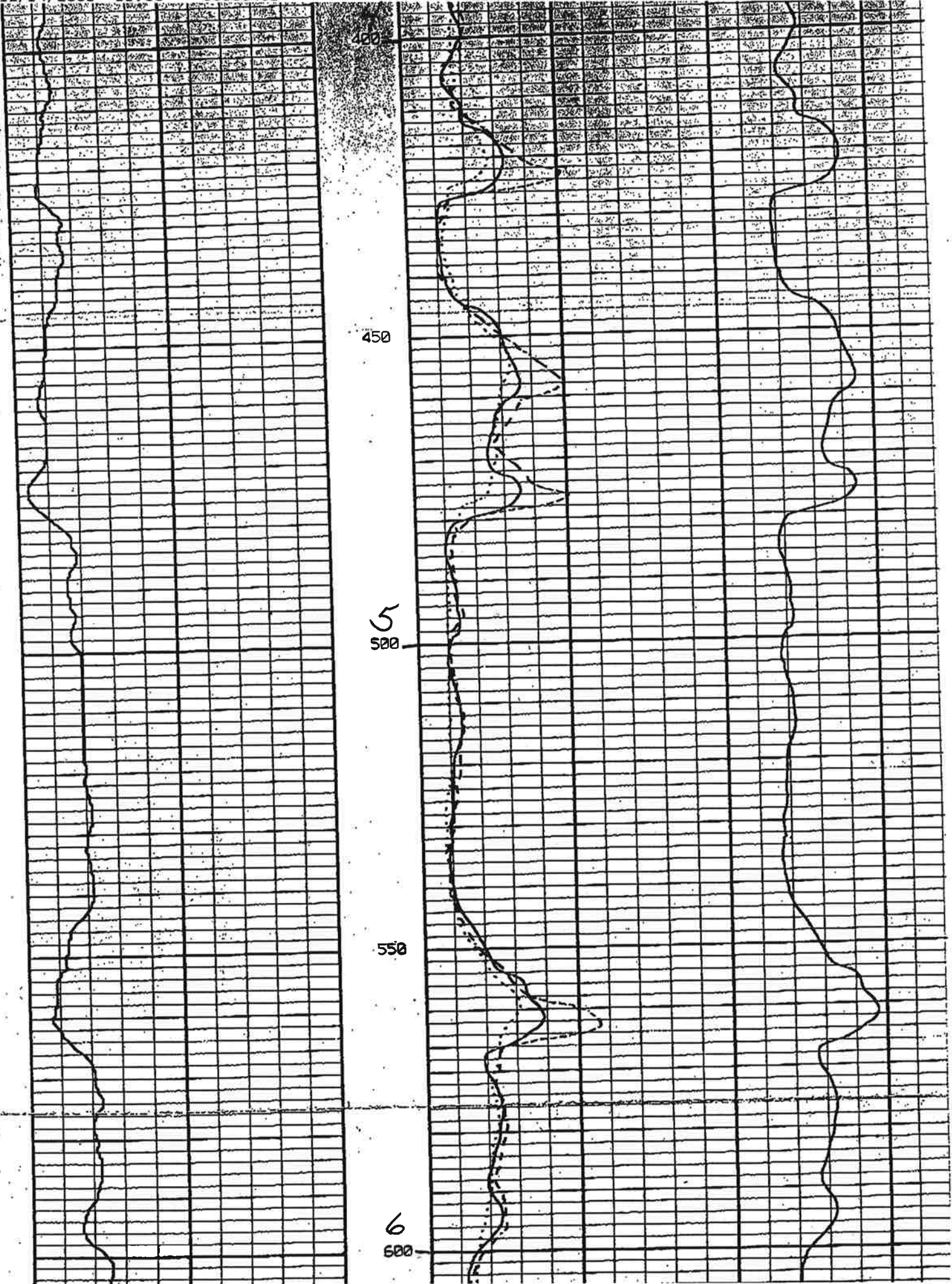
200

250

300

350





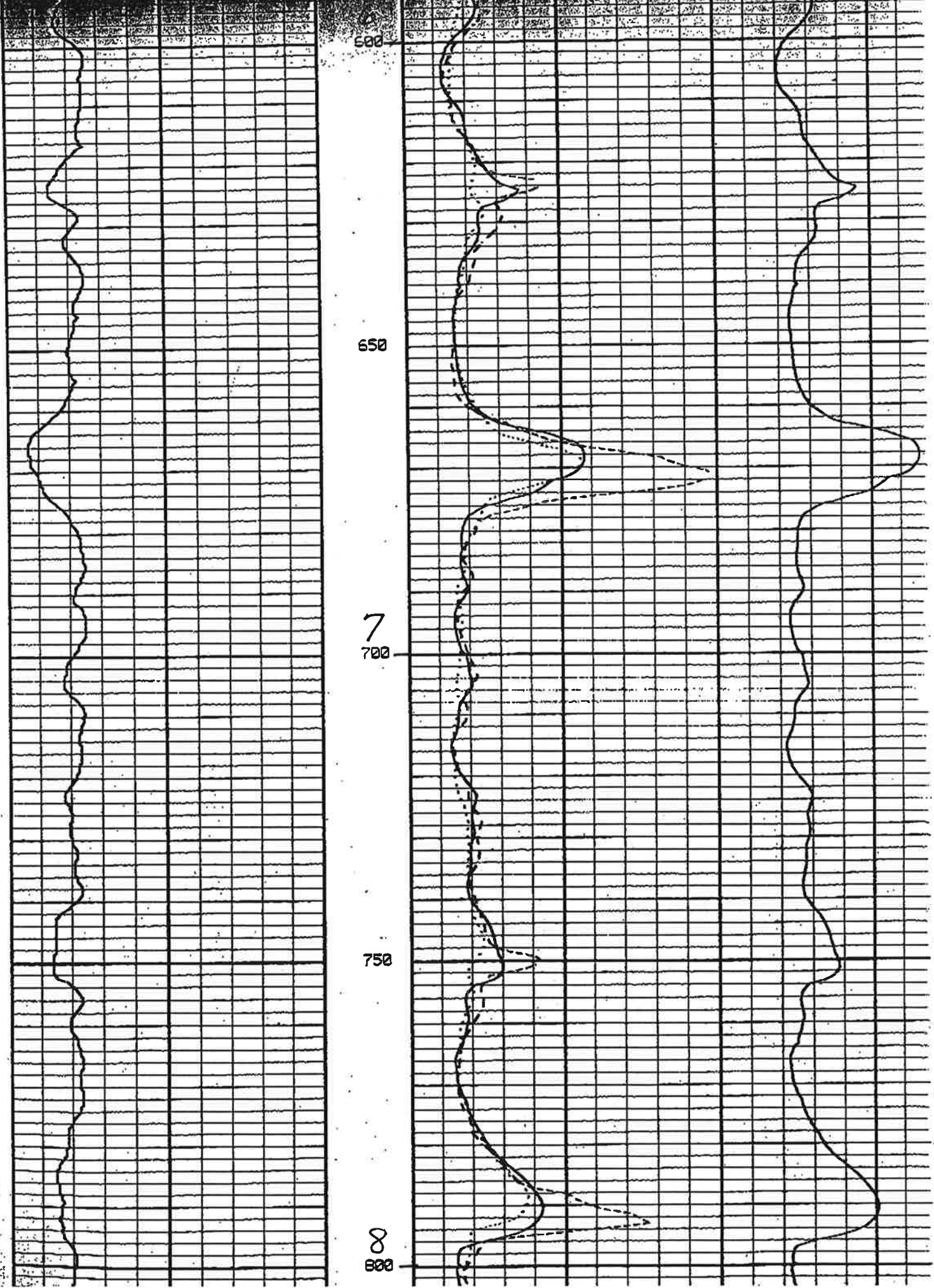
400

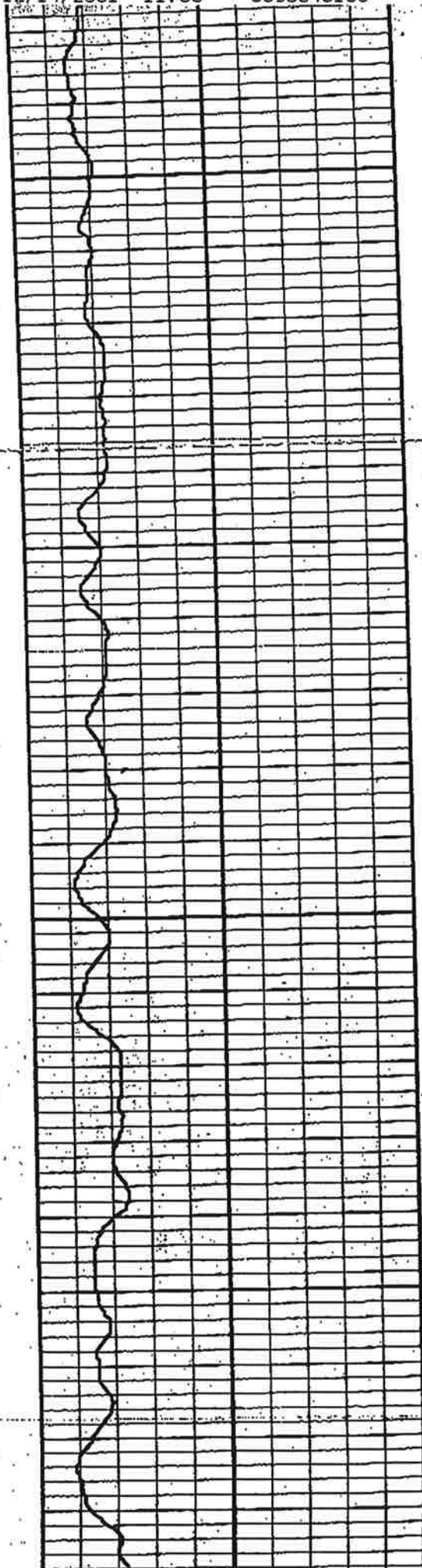
450

5
500

550

6
600



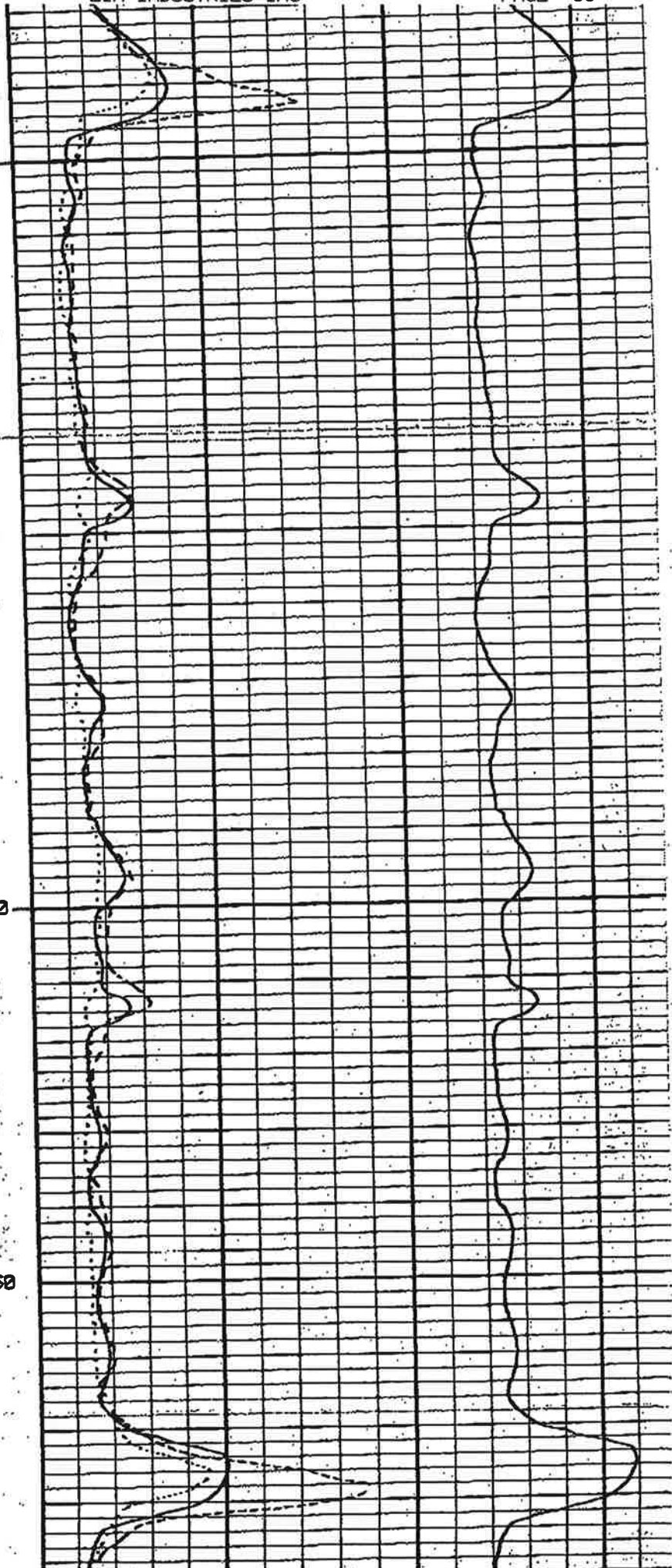


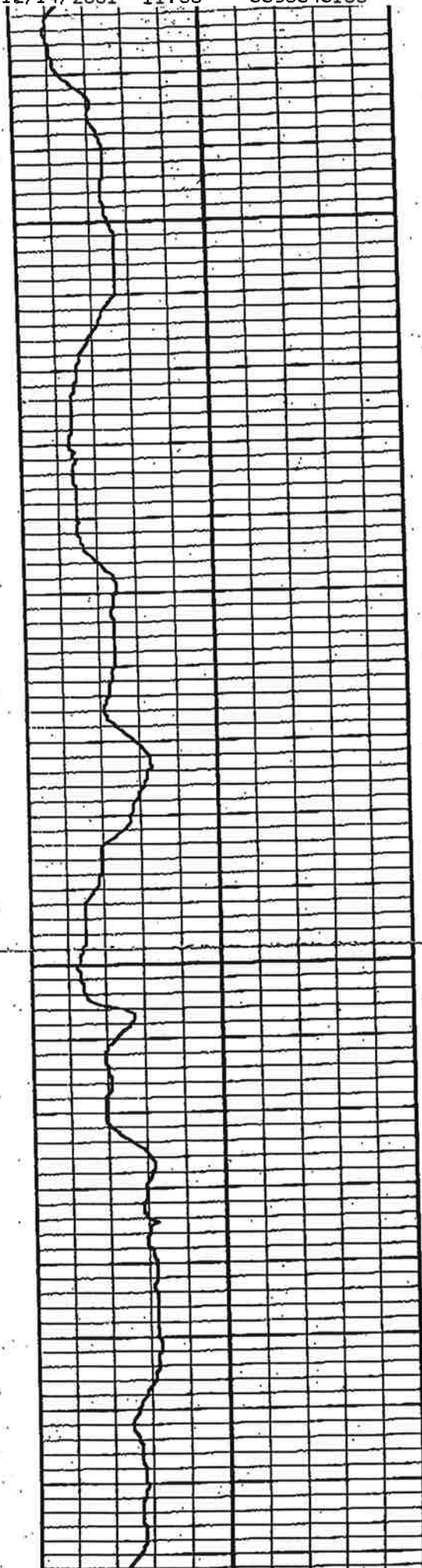
8
800

850

9
900

950



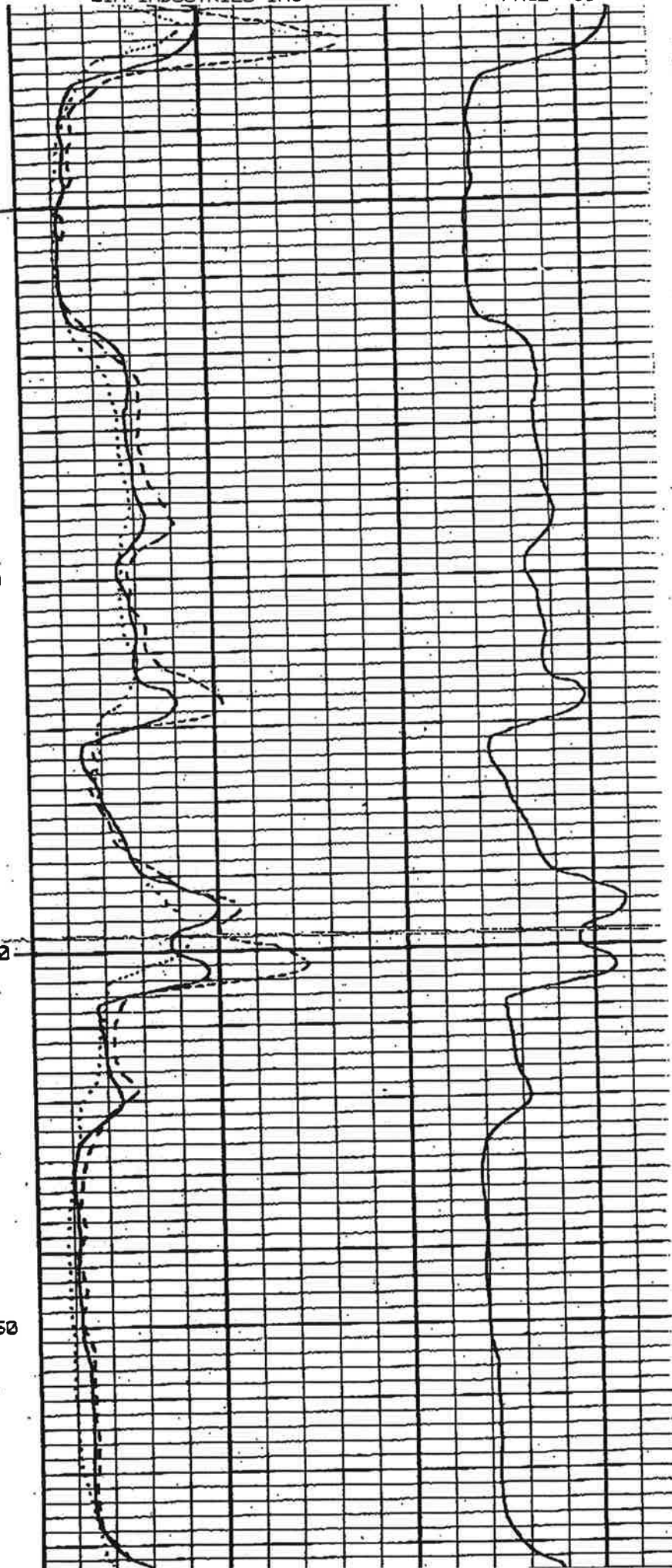


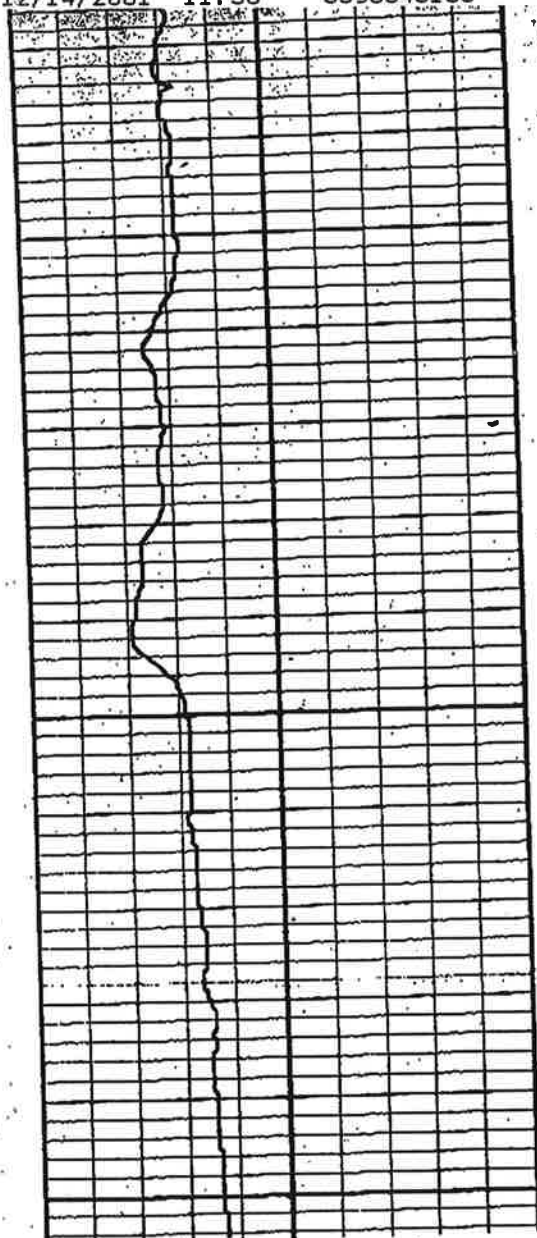
1000

1050

1100

1150

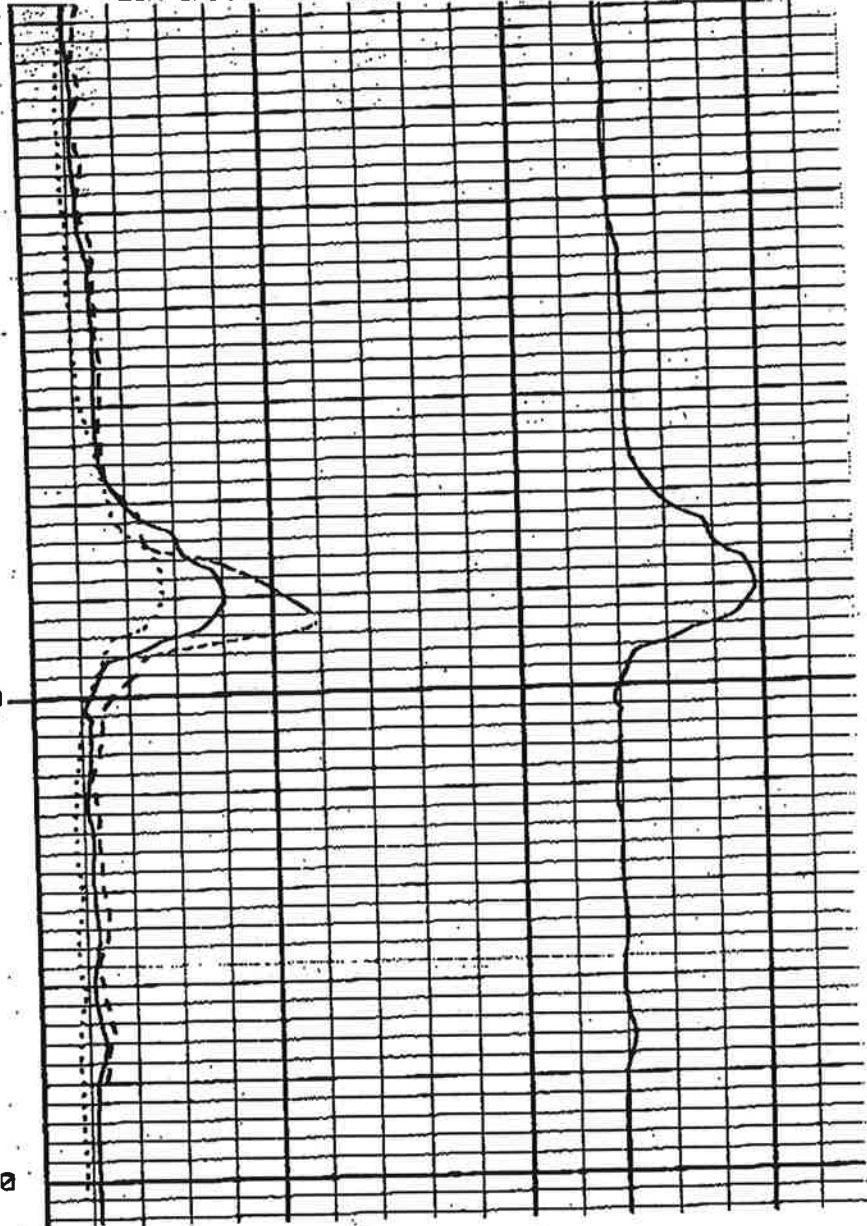




1150

1200

1250



0	x10 BACK UP	500
0	64 Inch LONG NORMAL	50
0	x10 BACK UP	500
0	16 Inch SHORT NORMAL	50

Detail Curve
SINGLE POINT



millivolts
SPONTANEOUS POTENTIAL

DEPTHS

ohm-meters²/meter
RESISTIVITY

ohms
RESISTANCE

Geologic Section B-B'

ORIGINAL TEST HOLE ONLY

File with DWR

Page 1 of 1

Owner's Well No. _____

Date Work Began 10/04/94, Ended 10/04/94

Local Permit Agency San Joaquin County Public Health

Permit No. 015107 Permit Date 07/22/94

STATE OF CALIFORNIA WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. 547580

DWR USE ONLY - DO NOT FILL IN. STATE WELL NO./STATION NO. 0350651011M. LATITUDE, LONGITUDE, APN/TRS/OTHER.

GEOLOGIC LOG

WELL OWNER

ORIENTATION (X) VERTICAL HORIZONTAL ANGLE (SPECIFY) DEPTH TO FIRST WATER (Ft) BELOW SURFACE DESCRIPTION Describe material, grain size, color, etc.

Table with columns: Depth from Surface (Ft. to Ft.), Description. Rows: 0-19 Clay, 19-35 Blue & Grey Clay, 35-45 Blue Sand w/ Clay Streaks, 45-137 Blue & Grey Sand, 137-150 Blue Clay.

WELL LOCATION Address: 28864 Kasson Rd., City: Tracy, County: San Joaquin, APN Book 241, Page 380, Parcel 002, Township 03S, Range 06E, Section 10, Latitude, Longitude.

LOCATION SKETCH (North, South, East, West), ACTIVITY (NEW WELL, MODIFICATION/REPAIR, DESTROY, PLANNED USE(S)), WATER SUPPLY (Domestic, Public, Irrigation, Industrial, TEST WELL, CATHODIC PROTECTION, OTHER).

DRILLING METHOD: Rotary FLUID: Mud WATER LEVEL & YIELD OF COMPLETED WELL. DEPTH OF STATIC WATER LEVEL, ESTIMATED YIELD, TEST LENGTH, TOTAL DRAWDOWN.

TOTAL DEPTH OF BORING 150 (Feet) TOTAL DEPTH OF COMPLETED WELL (Feet)

Table with columns: Depth from Surface, Bore-hole Dia., Casing(s) (Type, Material/Grade, Internal Diameter, Gauge or Wall Thickness, Slot Size), Annular Material (Type, Cement, Bentonite, Fill, Filter Pack).

- ATTACHMENTS (X) Geologic Log, Well Construction Diagram, Geophysical Log(s), Soil/Water Chemical Analyses, Other.

CERTIFICATION STATEMENT I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME: Calwater Drilling Co., Inc. ADDRESS: 300 S. Kilroy Turlock CA. 95380. Signed: [Signature] DATE SIGNED: 11/10/94 C-57 LICENSE NUMBER: 434218.

ORIGINAL
File with DWR

Page ___ of ___

Owner's Well No. _____

Date Work Began May 16, 1994, Ended _____

Local Permit Agency San Joaquin Co. Health Dept.

Permit No. 2991

Permit Date _____

No. **583000**

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN

03906E12J M

STATE WELL NO./STATION NO.

LATITUDE _____ LONGITUDE _____

APN/TRS/OTHER _____

GEOLOGIC LOG

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to Ft.	
0	2	Top Soil
2	15	Clay
15	20	Blue Sand
20	55	Sand
55	65	Blue Sand
65	70	Blue Clay
70	76	Blue Sand
76	85	Clay
85	100	Sand
100	112	Gravel & Sand
112	115	Clay
115	122	Gravel & Sand
122	137	Blue Clay
137	171	Sand
171	175	Clay

TOTAL DEPTH OF BORING 175 (Feet)
TOTAL DEPTH OF COMPLETED WELL 155 (Feet)

WELL OWNER

WELL LOCATION

Address Airport Way
City Manteca
County San Joaquin
APN Book 241 Page 370 Parcel 012
or 035 Range 05E Section 12J
Township _____
Latitude _____ NORTH Longitude _____ WEST
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

NORTH _____ SOUTH _____

WEST _____ EAST _____

ACTIVITY (✓)

NEW WELL

MODIFICATION/REPAIR

___ Deepen

___ Other (Specify) _____

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

PLANNED USE(S) (✓)

___ MONITORING

WATER SUPPLY

Domestic

___ Public

___ Irrigation

___ Industrial

___ "TEST WELL"

___ CATHODIC PROTECTION

___ OTHER (Specify) _____

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

DRILLING METHOD Mud Rotary FLUID Bentonite/Water

WATER LEVEL & YIELD OF COMPLETED WELL

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.

DEPTH FROM SURFACE	BORE-HOLE DIA. (inches)	CASING(S)						DEPTH FROM SURFACE	ANNULAR MATERIAL			
		TYPE (✓)			MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS		SLOT SIZE IF ANY (Inches)	TYPE		
Ft.	to Ft.	BLANK	SCREEN	CON-DUCTOR				FILL PIPE		Ft.	to Ft.	CE-MENT (✓)
0	145	12	X			PVC	6"	160sch			X	
145	155	12	X			PVC	6"	160sch	Screen		X	Sand/Gravel

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 HENNINGS BROS. DRILLING CO., INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 3525 PELANDALE AVE. MODESTO CA 95356
CITY STATE ZIP

Signed Cathalene Wergel DATE SIGNED MAY 25, 1994 290813
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

JOB ADDRESS 31700 - Detention Station Dr CITY/ZIP Tracy 95376
 CROSS STREET Duchaine Entry APN: 255-340-05 PARCEL SIZE 40.96 LAND USE APPLICATION # _____
 OWNER NAME _____
 OWNER ADDRESS _____
 CONTRACTOR Calwater Drilling PHONE 667-7932
 CONTRACTOR ADDRESS 300 S. K. Lane CITY/STATE/ZIP Turlock, Ca 95380
 SUBCONTRACTOR _____ PHONE _____
 SUBCONTRACTOR ADDRESS _____ CITY/STATE/ZIP _____
 LICENSE C-57 C-61 D-09 Other _____ NUMBER 434218 EXPIRATION DATE 5/31/2011

GEOGRAPHICAL INFORMATION: Coordinates X: _____ Y: _____ Township _____ Range _____ Section _____

INTENDED USE Domestic/Private Irrigation/Agricultural Industrial Water Quality Monitoring Soil Sampling/Characterization
 Public Water System
 If different from Owner: Water System Name _____ Contact Name of Phone Number _____

TYPE OF WORK New Well Replacement Well Well Alteration/Modification Other _____
 Monitoring Well(s) # of wells _____ Soil Boring(s) # of borings _____ Geotechnical _____
 Out-Of-Service Well Out-Of-Service Well Renewal Cross-Connection Repair
 New Pump Pump Replacement Pump Repair Raise Well Casing

WELL CONSTRUCTION
 Drilling Method Mud Rotary Air Rotary Auger Cable Tool Push Point Other _____
 Proposed Well Depth 20 ft Excavation 12 in diameter Open Bottom Gravel Pack/Gravel Size #6 in diameter
 Conductor Casing _____ in diameter / Conductor Casing Depth _____ ft
 Well Casing Diameter 8 in. Thickness/Gauge/ASTM Sched. 16015 Steel Plastic Stainless Steel Other _____
 Grout Seal Depth 100 ft Neat Cement (94 lb bag/5-10 gal water) Sand Cement _____ sack mix/7 gal water
 Bentonite (20% solids) Other _____
 Grout Placement Method Pumped Free Fall Other _____ Retardant / Accelerator (name) _____

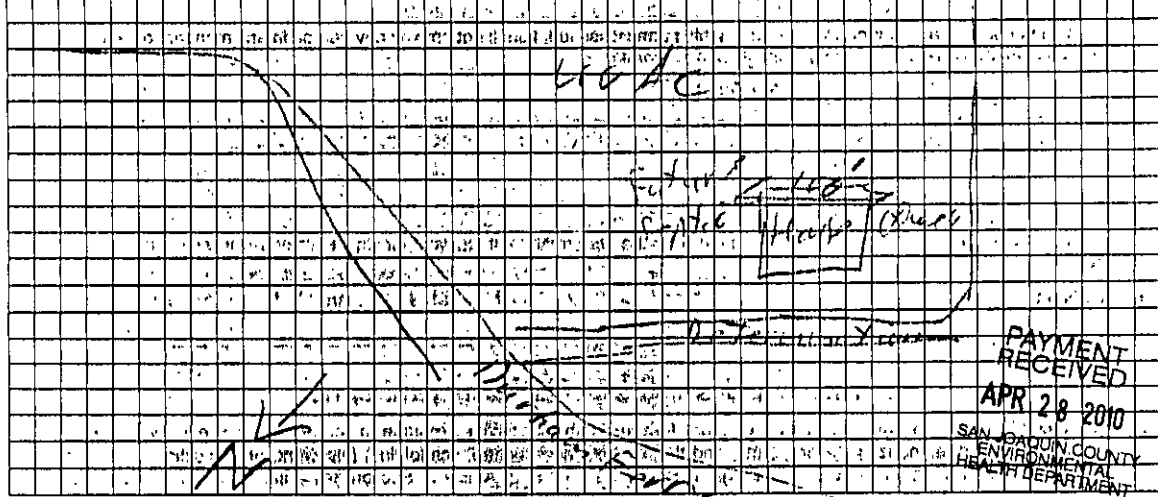
PEDESTAL Installed By Driller Pump Contractor Other _____
 Concrete Pedestal Dimensions: Width _____ in. Length _____ in. Thickness _____ in. Christy Box Stove Pipe

PUMP Submersible Turbine Other _____ HP _____ Pump Set _____ ft Standing Water Level _____ ft

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS. I ALSO CERTIFY THAT MY REQUIRED LICENSE IS CURRENT AND ACTIVE WITH THE CALIFORNIA CONTRACTORS STATE LICENSE BOARD AND THAT I AM IN COMPLIANCE WITH ALL WORKERS COMPENSATION LAWS.

MINIMUM 24 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTIONS - PLEASE CALL (209) 953-7697

SIGNED Carly Green TITLE Permit DATE 4-25-10



PAYMENT RECEIVED
 APR 28 2010
 SAN JOAQUIN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

DEPARTMENT USE ONLY
 Application Accepted By ADG Date 4/25/10 Area _____ Employee ID# 4045
 Grout Inspection By _____ Date _____ SPECIAL Well Permit
 Pump Inspection By _____ Date _____ WAIVER Received
 Soil Boring Inspection By _____ Date _____ Constructed Well Depth _____ ft
 COMMENTS WELL SITE NOT LOCATED IN THE FOOD PLANS

PE Codes	SC Info	Received By	Check# Cash	Amount Remitted	Date	Permit/ Service Request #	Invoice #	Well ID#
4306	750	LO	#154247	\$325.00	4/28/10	SR 0059837		

STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 WATER WELL DRILLERS REPORT

Do Not Fill In

ORIGINAL
 File with DWR

No. 141770
 State Well No. 35/6E-28F3
 Other Well No. 35/6E-28

Well #2

(2) LOCATION OF WELL:
 County San Joaquin Owner's number, if any _____
 Township, Range, and Section 33600 Koster Rd
 Distance from cities, roads, railroads, etc. _____

(3) TYPE OF WORK (check):
 New Well Deepening Reconditioning Destroying
 If destruction, describe material and procedure in Item 11. _____

(4) PROPOSED USE (check):
 Domestic Industrial Municipal
 Irrigation Test Well Other

(5) EQUIPMENT:
 Rotary
 Cable
 Other

(6) CASING INSTALLED:

STEEL:		OTHER:		If gravel packed		
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	330	16"	1/4"	26"	0	730
330	331	16x12"	reducer			
331	726	12"				

Size of shoe or well rings: _____ Size of gravel: 5/16x1/8 Pea

Describe joint Weld

(7) PERFORATIONS OR SCREEN:

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
331	715	8	4.5	1/8 Std Louvre

(8) CONSTRUCTION:
 Was a surface sanitary seal provided? Yes No To what depth _____ ft.
 Were any strata sealed against pollution? Yes No If yes, note depth of strata _____
 From _____ ft. to _____ ft.
 From _____ ft. to _____ ft.
 Method of sealing _____

(9) WATER LEVELS:
 Depth at which water was first found, if known, _____ ft.
 Standing level before perforating, if known _____ ft.
 Standing level after perforating and developing _____ ft.

(10) WELL TESTS: TO BE TESTED
 Was pump test made? Yes No If yes, by whom? _____
 _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Temperature of water _____ Was a chemical analysis made? Yes No
 Was electric log made of well? Yes No If yes, attach copy _____

(11) WELL LOG:
 Total depth 745 ft. Depth of completed well 726 ft.
 Formation: Describe by color, character, size of material, and structure
 0 ft. to 10 yellow clay ft.
10' - 39' Fine sand & clay
39' - 45' Yellow clay
45' - 65' Sand & Clay
65' - 72' Yellow clay
72' - 95' Gravel
95' - 100' Yellow clay
100' - 105' Gravel
105' - 111' Gravel & yellow clay
111' - 115' Gravel & some clay
115' - 120' Gravel
120' - 122' Gravel & clay
122' - 125' Yellow clay
125' - 145' Yellow clay & gravel
145' - 149' Gravel & clay
149' - 165' Yellow clay & shale
165' - 168' Yellow clay
168' - 170' Hard sand
170' - 185' Fine & coarse sand
185' - 193' Yellow clay
193' - 205' Yellow clay & gravel
205' - 216' Sandy yellow clay
216' - 230' Yellow clay & gravel
230' - 243' Sand & gravel
243' - 278' Light grey clay, shale & some gravel
278' - 319' Blue clay & shale
319' - 340' Fine sand, blue clay & shale
340' - 353' Fine & coarse sand, hard some clay
353' - 365' Yellow clay, some sand, strks blue clay
365' - 375' Yellow clay, some sand
375' - 381' Fine & coarse sand (hard) clay
381' - 400' Yellow clay & shale, some sand strks, blue clay

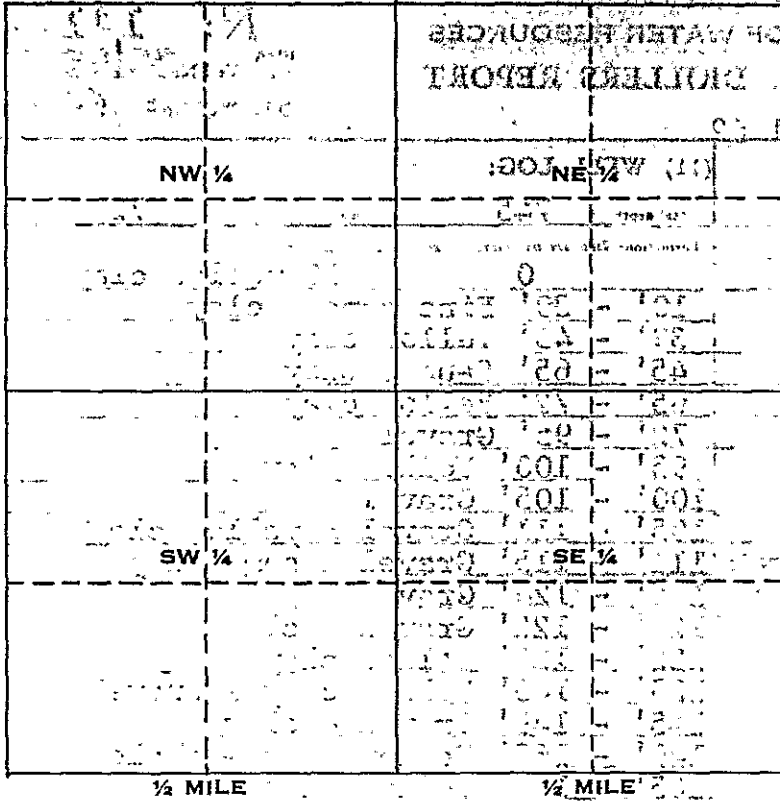
Work started 4/13 19 77, Completed 4/29 19 77
 WELL DRILLER'S STATEMENT:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 NAME Salinas Pump Co
 (Person, firm, or corporation) (Typed or printed)
 Address 1128 Madison Lane
Salinas, Ca. 93901
 [SIGNED] [Signature]
 (Well Driller)
 License No. 273053 Dated 5/4, 1977

SKETCH LOCATION OF WELL ON REVERSE SIDE CONTINUED ON BACK SIDE

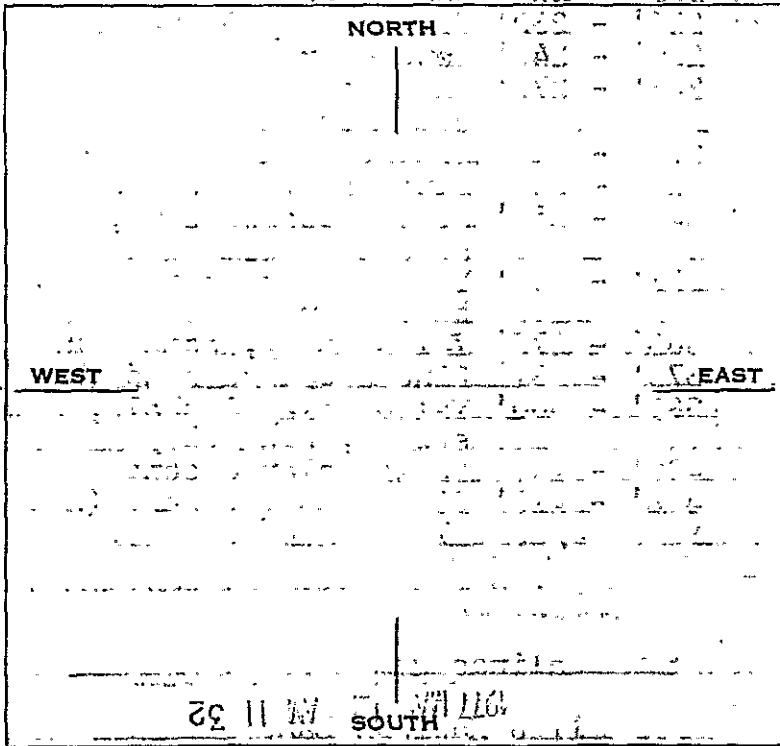
WELL LOCATION SKETCH

141770

NORTH BOUNDARY OF SECTION



A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
WELL LOCATION REPORT

Township 3 N/S
Range 6 E/W

Section No. _____

- 415' - 425' Fine & coarse sand & clay
- 425' - 435' Gravel & clay
- 435' - 440' Fine sand & clay
- 440' - 443' Gravel & fine sand
- 443' - 455' Gravel
- 455' - 460' Gravel & some sand
- 460' - 470' Gravel & clay
- 470' - 476' Clay & sand
- 476' - 485' Clay & gravel
- 485' - 505' Clay & some sand & gravel
- 505' - 528' Gravel & clay
- 528' - 536' Sand & clay
- 536' - 550' Gravel & clay
- 550' - 565' Sand & clay
- 565' - 569' Yellow clay, sand & st blue shale
- 569' - 575' Fine coarse sand & cla
- 575' - 595' Yellow clay & sand
- 595' - 605' Sand & clay
- 605' - 613' Clay & sand, strks blu shale
- 613' - 617' Sand & clay
- 617' - 619' Yellow clay
- 619' - 645' Yellow clay, sand, str blue shale
- 645' - 647' Yellow clay & sand
- 647' - 656' Sand (hard)
- 656' - 679' Yellow clay, sand, str blue shale
- 679' - 692' Fine & coarse sand (Ha strks)
- 692' - 715' Yellow clay, sand & st blue shale
- 715' - 745' Yellow clay & some sar

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
04506E050 M
STATE WELL NO./STATION NO.
LATITUDE _____ LONGITUDE _____
APN/TRS/OTHER _____

Owner's Well No. _____ No. **488341**
Date Work Began **July 2, 1992** Ended **July 6, 1992**
Local Permit Agency **San Joaquin Co. Health Dept.**
Permit No. **92-2375** Permit Date _____

GEOLOGIC LOG

ORIENTATION (∠) VERTICAL _____ HORIZONTAL _____ ANGLE _____ (SPECIFY) _____

DEPTH TO FIRST WATER **146** (Ft.) BELOW SURFACE

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to Ft.	
0	2	Top Soil
2	19	Gravel
19	20	Clay Streak
20	70	Gravel
70	89	Clay
89	114	Clay & Gravel
114	119	Gravel
119	121	Clay
121	122	Gravel
122	125	Clay
125	145	Gravel
145	150	Clay
150	153	Gravel
153	169	Clay
169	180	Gravel
180	182	Clay
182	185	Gravel
185	200	Clay
200	204	Gravel
204	261	Clay
261	290	Gravel
290	295	Clay
295	301	Gravel
301	314	Clay & Gravel
314	332	Gravel
332	333	Clay
333	339	Gravel
339	343	Clay
343	375	Gravel
375	382	Clay

TOTAL DEPTH OF BORING **510'** (Feet)
TOTAL DEPTH OF COMPLETED WELL **510'** (Feet)

WELL LOCATION
Address **37437 S. Koster Rd.**
City **Tracy**
County **San Joaquin**
APN Book **265** Page **090** Parcel **006**
Township **045** Range **06E** Section **05** **Q/R**
Latitude _____ NORTH Longitude _____ WEST
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH
NORTH _____ SOUTH _____
WEST _____ EAST _____

ACTIVITY (∠)
 NEW WELL
MODIFICATION/REPAIR
____ Deepen
____ Other (Specify) _____

____ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S)
(∠)
____ MONITORING
WATER SUPPLY
____ Domestic
____ Public
 Irrigation
____ Industrial
____ "TEST WELL"
____ CATHODIC PROTECTION
____ OTHER (Specify) _____

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

DRILLING METHOD **Reverse** FLUID **Bentonite**
WATER LEVEL & YIELD OF COMPLETED WELL _____
DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____
DEVELOPING TO BE DONE BY **HOWK SYSTEMS**
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 (∠)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
		BLANK	SCREEN	CON- DUCTOR	FILL PIPE				
0	295	24"	X			STEEL	14"	1/4" ga	
295	505	24"	X			"	14"	1/4" ga	Reg. Perf
505	510	24"	X			"	14"	1/4" ga	
0	120				X	PVC	4"	80 ga	

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft. to Ft.	TYPE				
	CE- MENT (∠)	BEN- TONITE (∠)	FILL (∠)	FILTER PACK (TYPE/SIZE)	
0	100	X			
100	510		X	Birdseye Gravel	

ATTACHMENTS (∠)

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

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

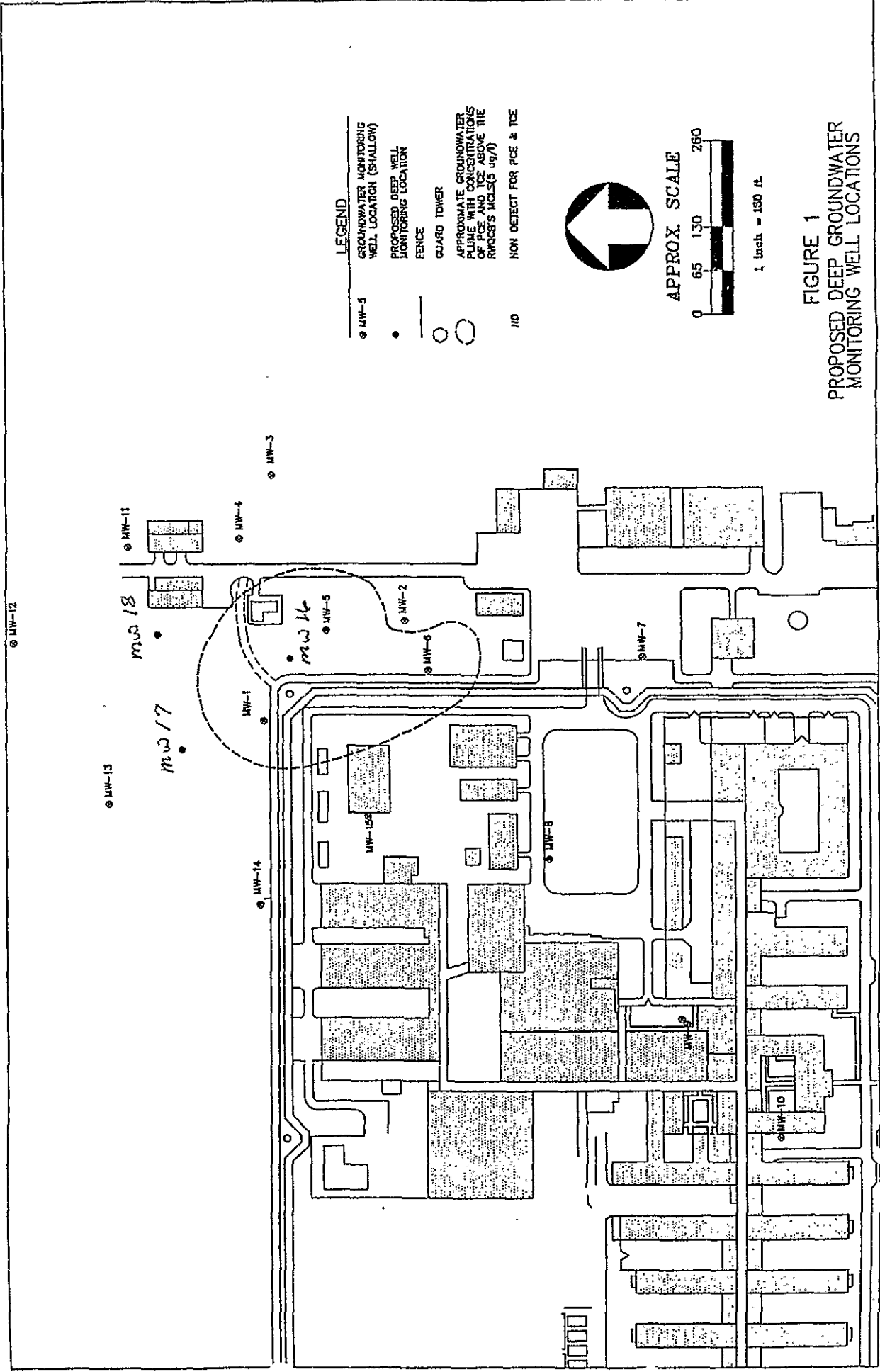
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME **HENNINGS BROS. DRILLING CO., INC.**
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS **3525 PELANDALE AVE.** CITY **MODESTO** STATE **CA** ZIP **95356**

Signed **Cathalano Wegel** DATE SIGNED **JULY 30, 1992** 290813
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

Geologic Section C-C'



LEGEND

- ⊙ MW-5 GROUNDWATER MONITORING WELL LOCATION (SHALLOW)
- PROPOSED DEEP WELL MONITORING LOCATION
- FENCE
- GUARD TOWER
- APPROXIMATE GROUNDWATER TABLE WITH CONCENTRATIONS OF PCE AND TCE ABOVE THE RWQBS MCL(S) (ug/l)
- ∅ NON DETECT FOR PCE & TCE



APPROX. SCALE

0 65 130 260

1 inch = 130 ft.

FIGURE 1
PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATIONS

453726

BORING LOG

02906E20H

Project Name: _____ Project Number: 4034.02
 Soil Boring Monitoring Well Boring/Well Number: MW-16 Sheet 1 of 3

Boring Location: SEE FIGURE 1		Elevation and Datum	
Drilling Contractor: LAYNE	Driller: MARK PEARSON	Date Started: 4/17/95	Date Finished: 5/2/95
Drilling Equipment: FAILING 1500	Borehole Diameter: 1 3/4"	Completed Depth (feet): 85	Water Depth (feet)
Sampling Method: California Modified <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Split Spoon <input type="checkbox"/>		WELL CONSTRUCTION	
Drilling Fluid: MUD (BENTONITE)		Type and Diameter of Well Casing: 8-INCH SCHED. 80 PVC	
Backfill Material: CEMENT GROUT		Slot Size: 0.02"	Filter Material: #3 MONTEREY
Logged By: P. NOVELLY	Checked By: S. ANDERSON	Development Method: BAILING-DEVEL. RIG	

Depth (feet)	USG Soil Type	Description	Flow Couple	Sample No.	Graphic Log			P10/P15 Readings	Remarks
					Lithology	Annulus	Casing		
		SOIL AT SURFACE							
0	SC	CLAYEY SAND, BROWN, DRY, FINE, MINOR SILTY CLAY			[Diagonal Hatching]	[Dotted]			OVM READING 0 PPM IN BREATHING ZONE
5		INCREASED SILTY CLAY			[Diagonal Hatching]	[Dotted]			
10	SP	SAND, BROWN, WET, FINE, MICACEOUS, INTERBEDDED SILTY CLAY (0-2 FEET THICK)			[Diagonal Hatching]	[Dotted]			
15					[Dotted]	[Dotted]			
20		BECOMING SILTY MINOR MEDIUM TO COARSE SAND			[Dotted]	[Dotted]			OVM READING 0 PPM IN BREATHING ZONE
25					[Dotted]	[Dotted]			
30					[Dotted]	[Dotted]			

453726

BORING LOG

02506E20H

Project Name: _____ Project Number: 4034.02

Soil Boring Monitoring Well Boring/Well Number: MW-16 Sheet 2 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PID/FID Readings	Remarks
					Lithology	Anaerobic	Casing		
32-35	SP	SAND, BROWN, WET, FINE, MICACEOUS MINOR SILTY CLAY							OVM READING 0 PPM IN BREATHING ZONE
35-40	CL	SILTY CLAY, BROWN, WET, FIRM							
40-45	SP	SAND, BROWN, WET, FINE TO VERY FINE							
45-50		BECOMING TAN, FINE TO MEDIUM, SILTY							
50-55	CL	SILTY CLAY, BROWN, WET, STIFF							OVM READING 0 PPM IN BREATHING ZONE
55-60	SP	SAND, TAN TO GRAY, WET, MEDIUM TO COARSE							
60-65									
65-70									

453726

02506E20H

BORING LOG

Project Name _____ Project Number: 4034.02
 Soil Boring Monitoring Well Boring/Well Number: MW-16 Sheet 3 of 3

Depth (feet)	USC Soil Type	Description	Blow Count	Sample No.	Graphic Log			PID/FID Readings	Remarks
					Lithology	Annulus	Casing		
75	SP	SAND, TAN TO GRAY, WET, MEDIUM TO COARSE							OVM READING 0 PPM IN BREATHING ZONE 75 TO 80 FEET FAST DRILLING-GOOD SAND UNIT
		BECOMING SILTY							
85	CL	SILTY CLAY, BLUE GRAY, WET, FIRM							
90									
95									
100									

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. MW-17

Date Work Began 4-18-95, Ended 4-27-95

Local Permit Agency San Joaquia Public Health Services

Permit No. 5716 Permit Date 4-10-95

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 453724

DWR USE ONLY - DO NOT FILL IN

02506E20H IV
STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION () VERTICAL _____ HORIZONTAL _____ ANGLE _____ (SPECIFY)

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE	
Ft.	to Ft.

DESCRIPTION

Describe material, grain size, color, etc.

See Geologic Log

WELL LOCATION

Address 23500 Kesson Rd.

City Tracy

County San Joaquin

APN Book 239 Page 120 Parcel 001

Township 02S Range 06E Section 20

Latitude _____ Longitude _____

LOCATION SKETCH

NORTH

See Site Map

ACTIVITY ()

NEW WELL

MODIFICATION/REPAIR

_____ Deepen

_____ Other (Specify)

_____ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S)

MONITORING

WATER SUPPLY

_____ Domestic

_____ Public

_____ Irrigation

_____ Industrial

_____ "TEST WELL"

_____ CATHODIC PROTECTION

_____ OTHER (Specify)

DRILLING METHOD Direct Rotary FLUID Bentonite

WATER LEVEL & YIELD OF COMPLETED WELL

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.

TOTAL DEPTH OF BORING 85 (Feet)

TOTAL DEPTH OF COMPLETED WELL 80 (Feet)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL					
		TYPE ()				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)		GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE			
		BLANK	SCREEN	CON. DUCTOR	FILL PIPE									CE- MENT ()
0 to 60	12.25	X				PVC	5	Sch 80		0 to 55	X			
60 to 80	"		X			"	"	".020		55 to 85				8X16

ATTACHMENTS ()

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

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 Layne-Western Co.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 275 County Rd. 98 CITY Woodland STATE Ca. ZIP 95695

Signed [Signature] DATE SIGNED 5-20-96 510011
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

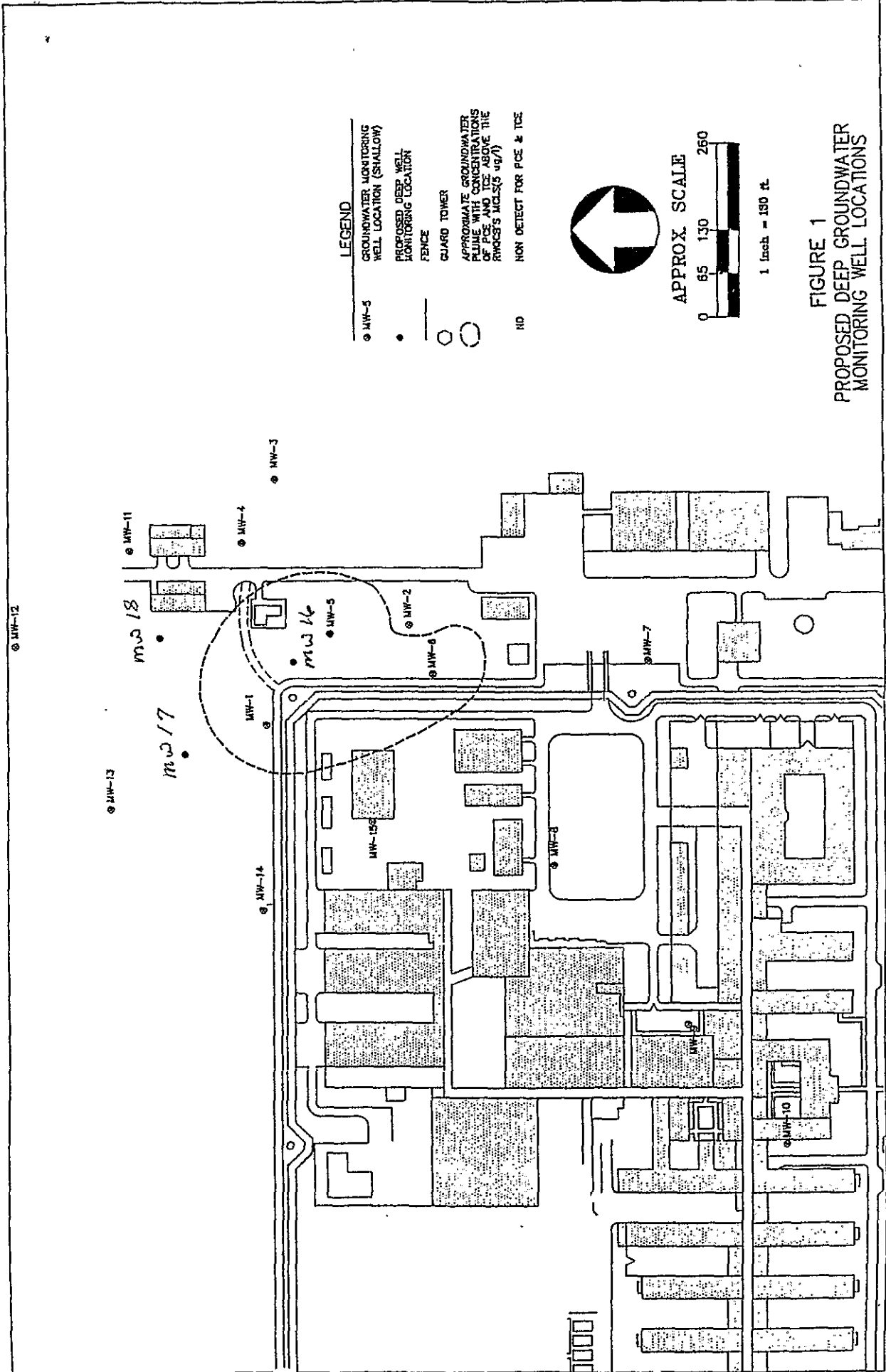


FIGURE 1
PROPOSED DEEP GROUNDWATER
MONITORING WELL LOCATIONS

45372

02906E20 H

BORING LOG

Project Name: _____ Project Number: 4034 02
 Soil Boring Monitoring Well Spring/Well Number: MW-17 Sheet 1 of 3

Boring Location: SEE FIGURE 1		Elevation and Datum	
Drilling Contractor: LAYNE	Driller: MARK PEARSON	Date Started: 4/18/95	Date Finished: 4/27/95
Drilling Equipment: FAILING 1500	Borehole Diameter: 12 1/8"	Completed Depth (feet): 80	Water Depth (feet)
Sampling Methods: California Modified <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Split Spoon <input type="checkbox"/>		WELL CONSTRUCTION	
Drilling Fluid: MWD - BENTONITE		Type and Diameter of Well Casing: 5 INCH SCHED. 80 PVC	
Backfill Material: CEMENT GROUT		Slot Size: 0.02"	Filter Material: #3 MONTEREY
Logged By: P. NOVELLY	Checked By: S. ANDERSON	Development Method: BAILING-DEVEL. RIG	

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PIP/FID Readings	Remarks
					Lithology	Annulus	Casing		
		SOIL AT SURFACE							
0	CL	SILTY CLAY, BROWN, SLIGHTLY MOIST, FIRM							OVM READING 0 PPM IN BREATHING ZONE
5		MINOR SAND							
10	SP	SAND, BROWN, WET, FINE, MICACEOUS, INTERBEDDED THIN CLAY UNITS							OVM READING 0 PPM IN BREATHING ZONE
15									
20									
25									
30									

45372

02906E20H

BORING LOG

Project Name: _____ Project Number: 4034.02

Soil Boring Monitoring Well Boring/Well Number: MJ-17 Sheet 2 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts:	Graphic Log			RID/FID Readings	Remarks
				Sample No.	Lithology	Annulus		
32	SP	SAND, BROWN, WET, FINE, MINOR SILTY CLAY			+			OVM READING 0 PPM IN BREATHING ZONE
35					+			
38	CL	SILTY CLAY, BROWN, WET, FIRM			+			
40	SP	SAND, BROWN, WET, FINE, MINOR SILTY CLAY			+			
42					+			
45	CL	SILTY CLAY, BROWN, WET, FIRM, MINOR FINE SAND			+			
48					+			
50	SM	SILTY SAND, TAN, WET, FINE TO MEDIUM			+			
55					+			
60	CL	SILTY CLAY, BROWN, WET, FIRM			+			
65					+			
68	SP	SAND, TAN, WET, FINE, MINOR SILT			+			
70					+			
72	CL	SILTY CLAY, GRAY, WET, FIRM MINOR FINE SAND			+			
75					+			
78					+			
80					+			OVM READING 0 PPM IN BREATHING ZONE

453724

02S06E20H

BORING LOG

Project Name:

Project Number: 4034.02

Soil Boring

Monitoring Well

Boring/Well Number: MW-17

Sheet 3 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PIV/FID Readings	Remarks
					Lithology	Annulus	Casing		
75		SM SILTY SAND, TAN TO GRAY, WET, FINE TO MEDIUM, MICACEOUS; MINOR CLAY							OVM READING 0 PPM IN BREATHING ZONE
80		CL SILTY CLAY, GRAY, WET, FIRM							
85									
90									
95									
100									

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
025064204 M
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Page 1 of 1
Owner's Well No. MW-18 No. 453725
Date Work Began 4-19-95, Ended 4-25-95
Local Permit Agency San Joaquin Public Health Services
Permit No. 5716 Permit Date 4-10-95

GEOLOGIC LOG

WELL OWNER

ORIENTATION (∠) VERTICAL HORIZONTAL ANGLE (SPECIFY)
DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE
DESCRIPTION
Ft. to Ft. Describe material, grain size, color, etc.

CITY _____ STATE _____ ZIP _____
WELL LOCATION
Address 23500 Kasson Rd.
City Tracy
County San Joaquin
APN Book 239 Page 120 Parcel 001
Township 029 Range 06E Section 20
Latitude _____ NORTH Longitude _____ WEST
DEG. MIN. SEC. DEG. MIN. SEC.

See Geologic Log

LOCATION SKETCH NORTH SOUTH
See Site Map
WEST EAST
ACTIVITY (∠)
 NEW WELL
MODIFICATION/REPAIR
 Deepen
 Other (Specify)
DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USE(S) (∠)
 MONITORING
WATER SUPPLY
 Domestic
 Public
 Irrigation
 Industrial
 "TEST WELL"
 CATHODIC PROTECTION
 OTHER (Specify)
Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

DRILLING METHOD Direct Rotary FLUID Bentonite
WATER LEVEL & YIELD OF COMPLETED WELL
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.

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE			
		TYPE (∠)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	CE-MENT (∠)		BEN-TONITE (∠)	FILL (∠)	FILTER PACK (TYPE/SIZE)	
0 to 60	12.25	X	PVC	12.25	Sch 80		0 to 55	X				
60 to 80	"	X	"	5"	"	.020	55 to 85				8x16	

- ATTACHMENTS (∠)
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analyses
 - Other Site Map
- 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 Layne-Western Co. 147
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 275 County Rd. 98 Woodland Ca. 95695
CITY STATE ZIP
Signed [Signature] 5-20-96 510011
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

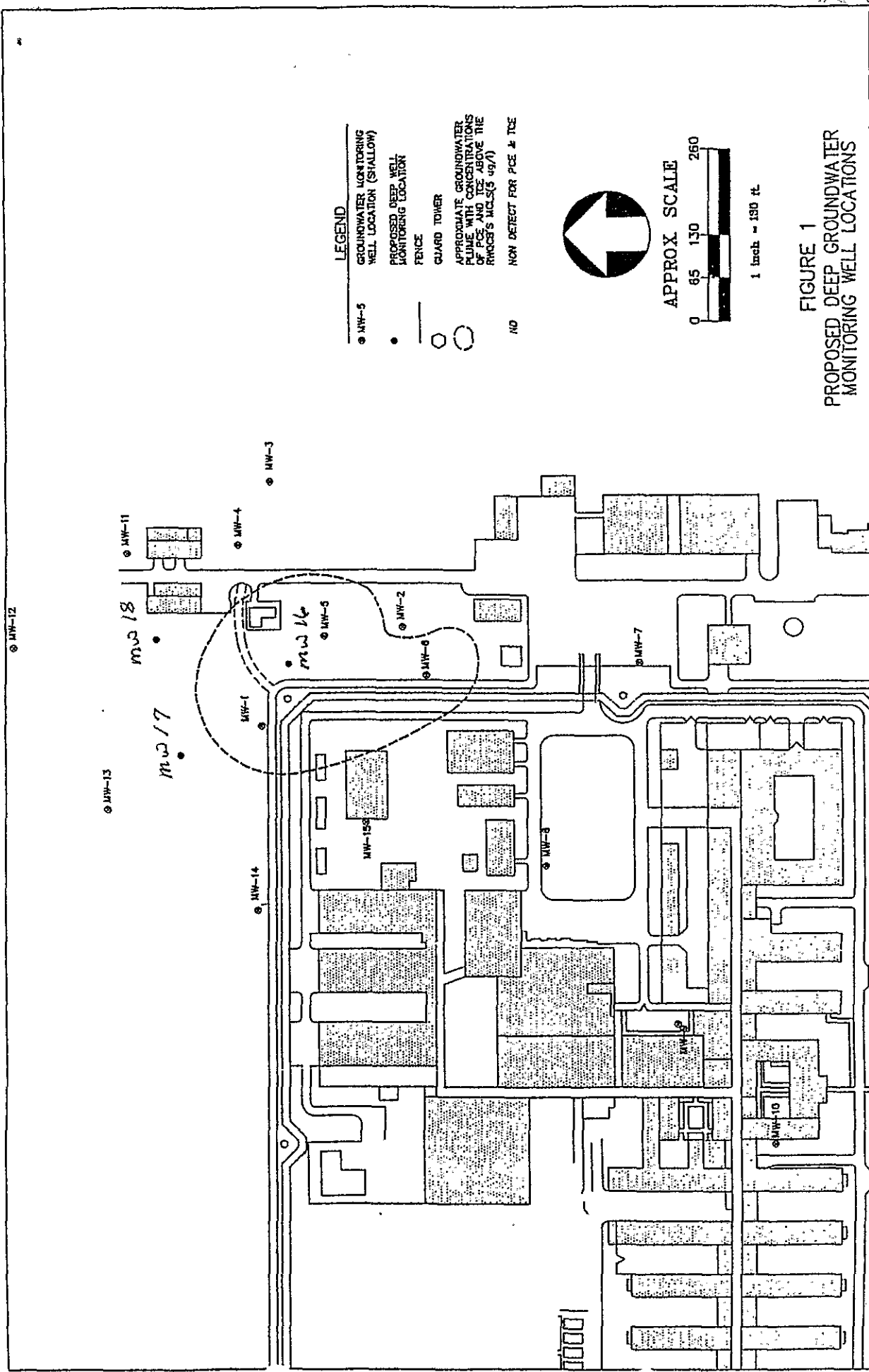


FIGURE 1
 PROPOSED DEEP GROUNDWATER
 MONITORING WELL LOCATIONS

453725

DURING LOG 02506E 20H

Project Name: _____ Project Number: 4034.02
 Soil Boring Monitoring Well Spring/Well Number: MW-18 Sheet 1 of 3

Boring Location: SEE FIGURE 1		Elevation and Datum:	
Drilling Contractor: LAYNE	Driller: MARK PEARSON	Date Started: 4/19/95	Date Finished: 4/25/95
Drilling Equipment: FAILING 1500	Borehole Diameter: 12 1/2"	Completed Depth (feet): 80	Water Depth (feet):
Sampling Method: California Modified <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Split Spoon <input type="checkbox"/>		WELL CONSTRUCTION	
Drilling Fluid: MUD-BENTONITE		Type and Diameter of Well Casing: 5-INCH SCHED. 80 PVC	
Backfill Material: CEMENT GROUT		Slot Size: 0.02"	Filter Material: #3 MONTEREY
Logged By: P. NOVELLY	Checked By: S. ANDERSON	Development Method: BAILING - DEVEL. RIG	

Depth (feet)	USG Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PIP/FO Readings	Remarks
					Lithology	Annulus	Casing		
		SOIL AT SURFACE							
0	SM	SILTY SAND, BROWN, FINE, SLIGHTLY MOIST, INTERBEDDED CLAY LAYERS							OVM READING 0 PPM IN BREATHING ZONE
10	SP	SAND, BROWN, FINE TO VERY FINE, SLIGHTLY MOIST, MICACEOUS, MINOR CLAY.							OVM READING 0 PPM IN BREATHING ZONE

453725

BORING LOG

02906E20H

Project Name: _____ Project Number: 4034.02
 Soil Boring Monitoring Well Spring/Well Number: MW-18 Sheet 2 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PID/FID Readings	Remarks
					Lithology	Annulus	Casing		
35	SM	SILTY SAND, BROWN, WET, FINE INTERBEDDED CLAY UNITS						OVM READING 0 PPM IN BREATHING ZONE	
45		BECOMING TAN, FINE TO MEDIUM							
60		THIN SILTY CLAY LAYERS						OVM READING 0 PPM IN BREATHING ZONE	
65	CL	SILTY CLAY, BROWN, WET, FIRM							
65	SP	SAND, TAN, WET, FINE, MINOR SILT							
70									

County

The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet No. e0330007

Page 1 of 1

Owner's Well Number

Date Work Began 08/15/2016 Date Work Ended 11/4/2016

Local Permit Agency San Joaquin County Environmental Health Dept.

Permit Number SR0073695 Permit Date 11/18/15

DWR Use Only - Do Not Fill In

State Well Number/Site Number, Latitude, Longitude, APN/TRS/Other

Geologic Log

Orientation Vertical Horizontal Angle Specify, Drilling Method Reverse Rotary, Drilling Fluid Water

Depth from Surface, Description, Feet to Feet, Describe material, grain size, color, etc

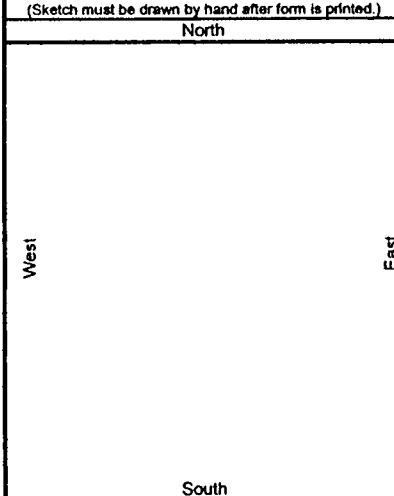
Table with 3 columns: Depth from Surface (Feet), Description, and another Depth from Surface (Feet). Rows show soil layers like Sand, Clay, Sand, etc.

Total Depth of Boring 605 Feet, Total Depth of Completed Well 480 Feet

Well Location

Address 26200 S Bird Rd, City Tracy, County San Joaquin, Latitude, Longitude, Datum, Dec. Lat., Dec. Long., APN Book 239, Page 190, Parcel 05, Township, Range, Section

Location Sketch



Activity

- New Well, Modification/Repair, Deepen, Other, Destroy

Planned Uses

- Water Supply (Domestic, Public, Irrigation, Industrial), Cathodic Protection, Dewatering, Heat Exchange, Injection, Monitoring, Remediation, Sparging, Test Well, Vapor Extraction, Other

Water Level and Yield of Completed Well

Depth to first water, Depth to Static, Water Level 96 (Feet), Date Measured 11/04/2016, Estimated Yield * 1,340 (GPM), Test Type, Test Length, Total Drawdown

Casings

Table with columns: Depth from Surface, Borehole Diameter, Type, Material, Wall Thickness, Outside Diameter, Screen Type, Slot Size

Annular Material

Table with columns: Depth from Surface, Fill, Description

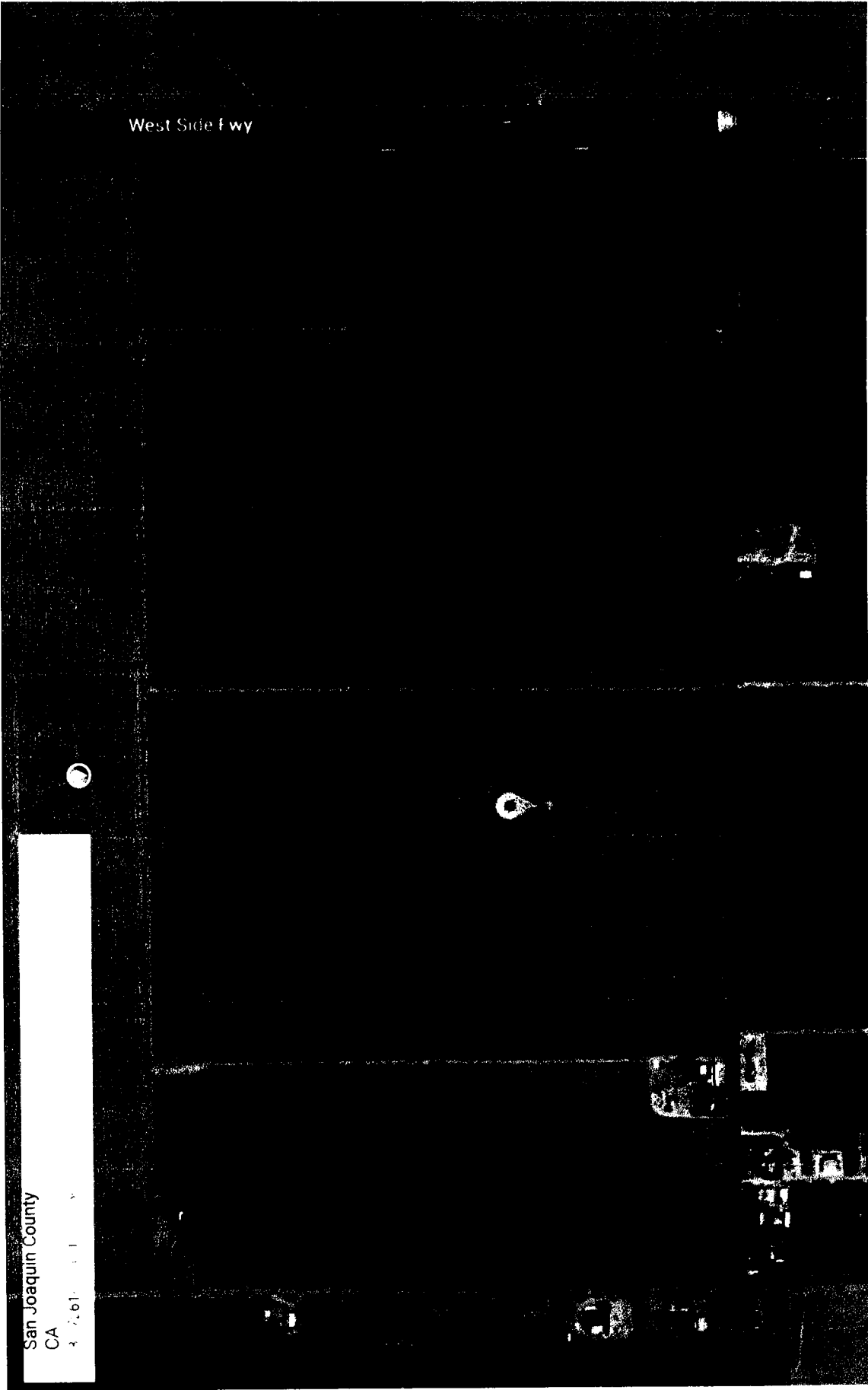
Attachments

- Geologic Log, Well Construction Diagram, Geophysical Log(s), Soil/Water Chemical Analyses, Other

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. Name Hennings Bros. Drilling Co., Inc. Address 1930 Ladd Rd, Modesto, CA 95356. Signed Catherine Wenzel, C-57 Licensed Water Well Contractor, Date Signed 11-28-16, C-57 License Number 290813

N ↑



File Original with DWR

State of California
Well Completion Report
 Refer to Instruction Pamphlet
 No. e0088570

DWR Use Only - Do Not Fill In

03S05E04

State Well Number/Site Number

Latitude Longitude

APN/TRS/Other

Page 1 of 1

Owner's Well Number TW-2

Work Began 02/11/2009 Date Work Ended 2/12/2009

Local Permit Agency San Joaquin County Environmental Health Department

Permit Number 056428 Permit Date 1/30/09

Geologic Log	
Orientation	<input checked="" type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____
Drilling Method	Hollow Stem Auger _____ Drilling Fluid _____
Depth from Surface	Description
Feet to Feet	Describe material, grain size, color, etc
	Destruction off 2-in monitoring well TW- 2 with Hollow Stem Augers. Over-drill monitoring well with 8-inch augers to the original installation depth: 70 feet bgs, plus an additional foot to a total depth of 71 feet bgs. Then remove casing rods and PVC well casing and screen and auger flights. Tremie grout boring with neat cement grout to the ground surface using Portland Type II cement with 5% bentonite. Mixture ratio of (1) 94-lbs bag of cement to 5-6 gallons water. Soil derived cuttings will be sampled and stockpiled in a secured roll-off bin onsite, pending laboratory results, for proper profiling and disposal offsite.
Total Depth of Boring	<u>71-ft bgs</u> Feet
Total Depth of Completed Well	<u>0</u> Feet

Well Owner

Well Location

Address 400 W Gandy Dancer Drive

City Tracy County San Joaquin

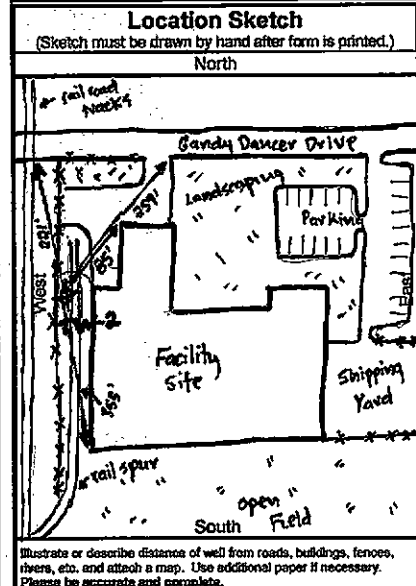
Latitude 37 42 18 N Longitude 121 25 57 W

Dec. Min. Sec. Dec. Min. Sec.

Datum NAD83 Decimal Lat. 6291934.04 Decimal Long. 2080629.9

APN Book 248 Page 03 Parcel 02

Township T3S Range R5E Section 4 MDBM



Activity

New Well

Modification/Repair

Deepen

Other _____

Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

Water Supply

Domestic Public

Irrigation Industrial

Cathodic Protection

Dewatering

Heat Exchange

Injection

Monitoring

Remediation

Sparging

Test Well

Vapor Extraction

Other Post Monitoring

Water Level and Yield of Completed Well

Depth to first water _____ (Feet below surface)

Depth to Static _____

Water Level _____ (Feet) Date Measured _____

Estimated Yield * _____ (GPM) Test Type _____

Test Length _____ (Hours) Total Drawdown _____ (Feet)

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

Casings							
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size
Feet to Feet	(Inches)			(Inches)	(Inches)		If Any (Inches)

Annular Material			
Depth from Surface	Fill	Description	
Feet to Feet			
0	71	Cement	Neat Cement: Portland Type II w/ 5% bentonite (Mix: 94-lb bag to 5-6 gallons water)

Attachments

Geologic Log

Well Construction Diagram

Geophysical Log(s)

Soil/Water Chemical Analyses

Other Site Map

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 RSI Drilling

Person, Firm or Corporation

220 N. East Street Address Woodland City CA State 95776 Zip

Signed [Signature] Date Signed 5/22/09 802334 C-67 License Number

57 Licensed Water Well Contractor

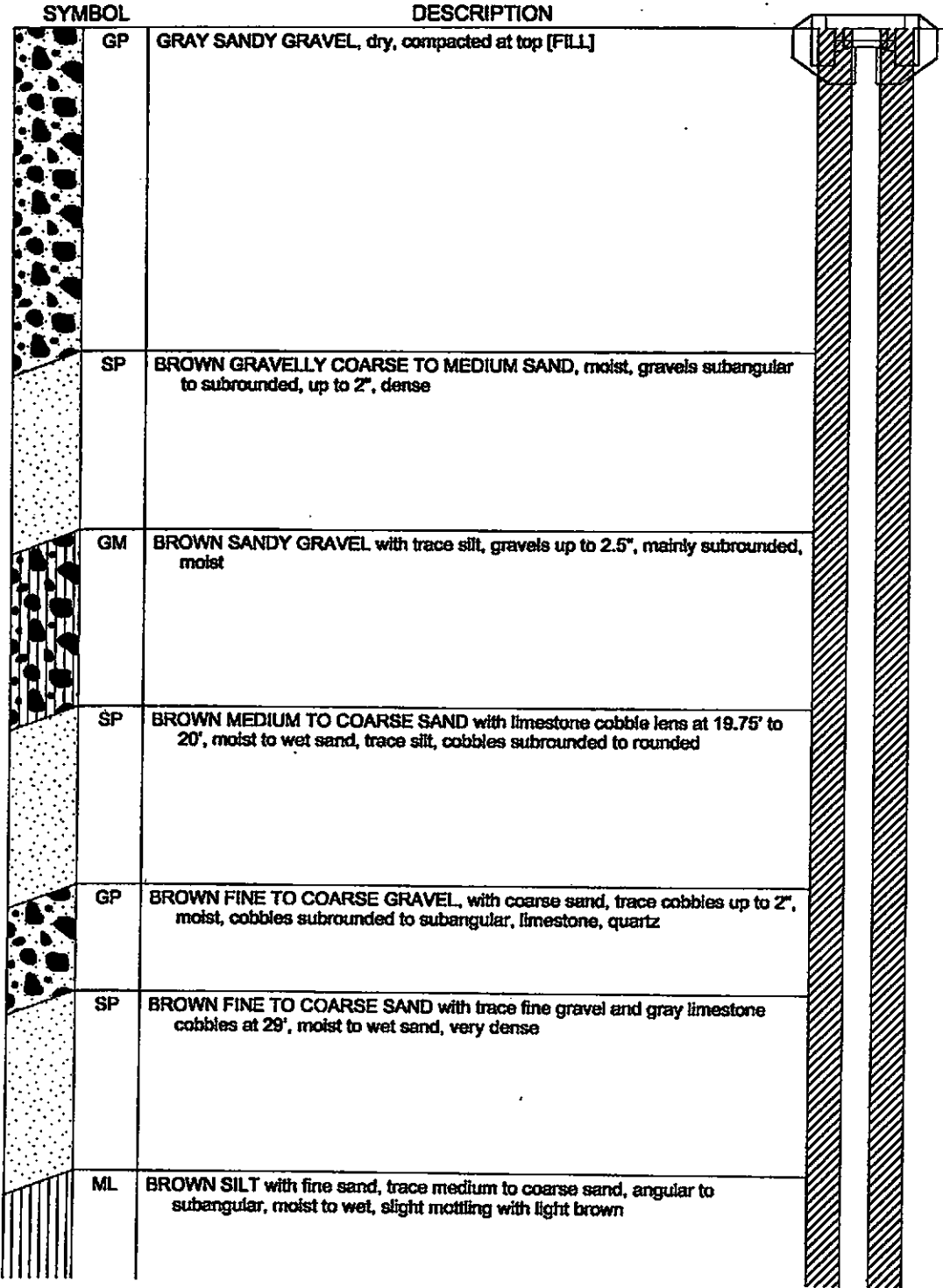
00088570

Monitoring Well

TW-2

SAMPLING		
DEPTH IN FEET	TYPE OF SAMPLER	PID READING (parts per million)
0		
5		
10	CA	11 13 18
15	CA	37 37 50
20	CA	15 26 50
25	CA	10 22 34
30	CA	28 30 38
35	CA	11 5

SAMPLES



Continued Next Page

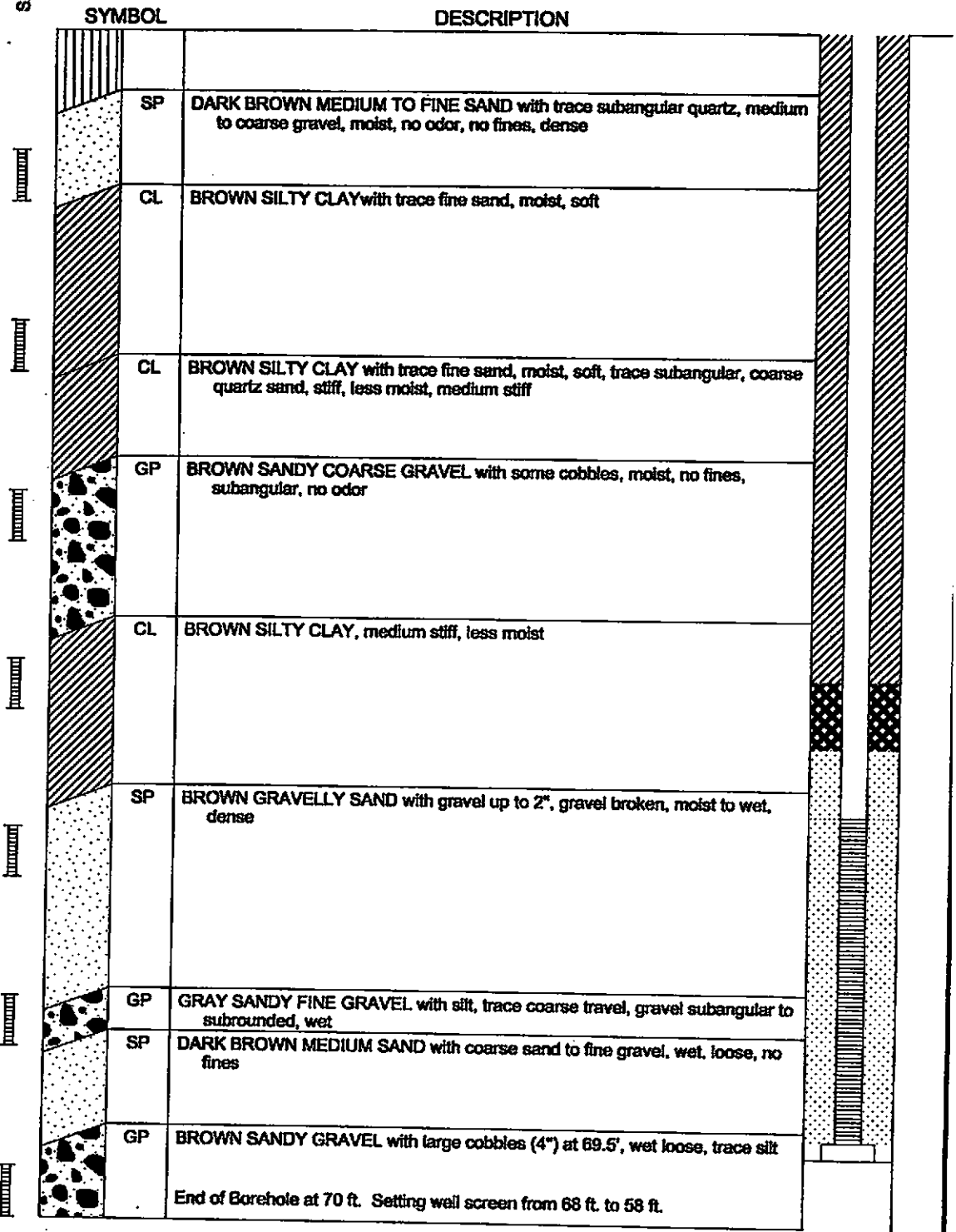
Job No: 10000117.00000	Serial No.:	Date Completed: 11/14/02		Driller: Gregg Drilling		Drilling Method: HSA		Log of Boring	
Boring Depth: 70.0 ft.		Location: Tracy, CA		Logged By: Steve McKnight					
Top of Casing Elev: 0 ft.	Casing Depth: 68.0 ft.	Casing Type: Sch 40 PVC	Casing Diam: 2.0 in.	Screened Interval: 58-68 ft.	Effective Interval: 68-68 ft.	Slot Size: 0.020 in.	Sand Pack: 2/12 Lonestar		

20088570

Monitoring Well

TW-2

SAMPLING		
DEPTH IN FEET	TYPE OF SAMPLER	PID READING (parts per million)
35		6
40	CA	21 28 22
45	CA	9 10 14
50	CA	21 55 32
55	CA	14 10 23
60	CA	20 23 26
65	CA	15 17 22
70	CA	40 50



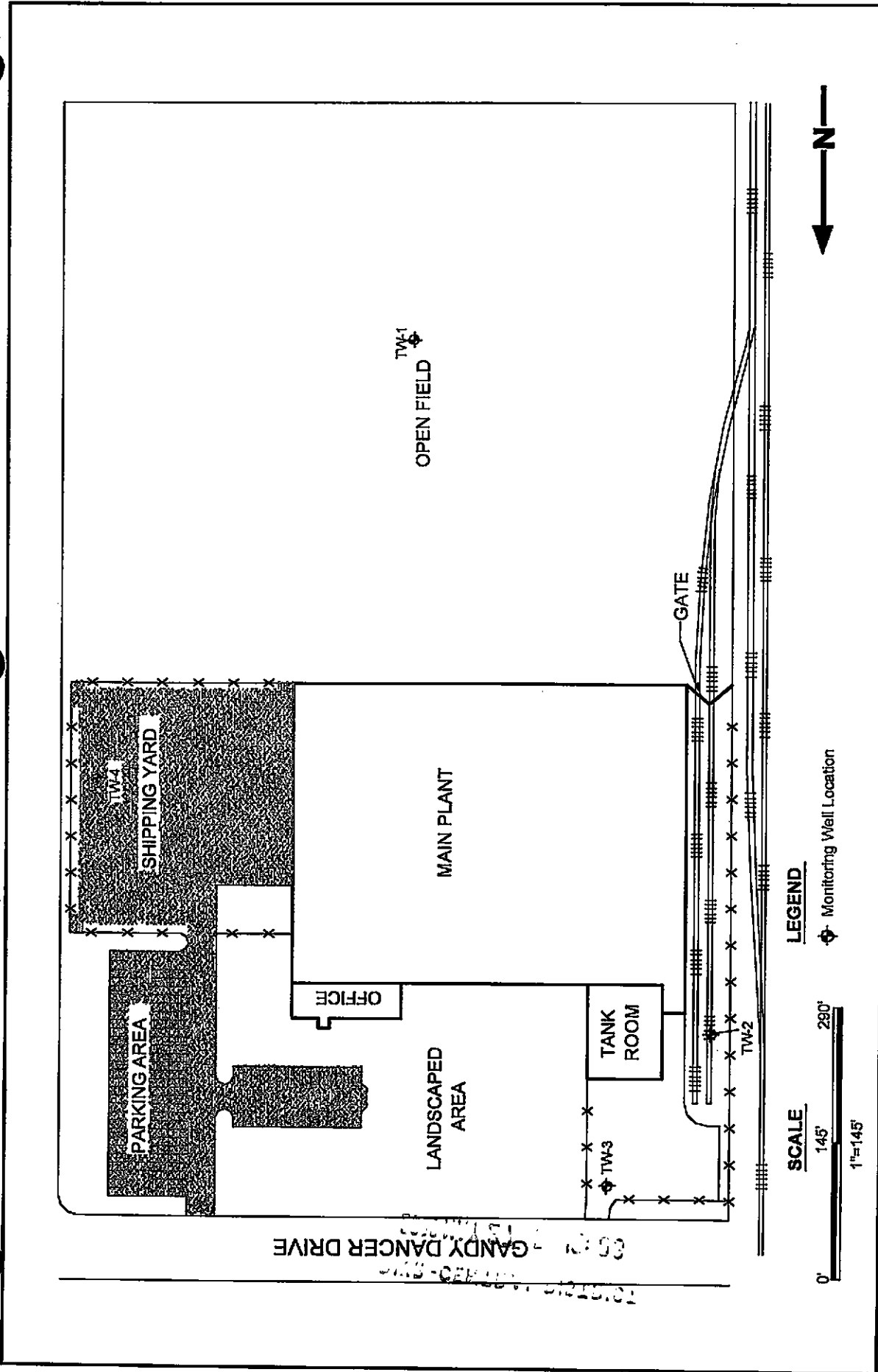
5800 117 0000 10/30
 GME-CALTEX 01218121

Job No: 10000117.00000
 PL ID: CELOTEX.GPJ / TW-2



Log of Boring

20088570



MONITORING WELL LOCATIONS

Subsurface Investigation
Tracy, California

March 2003
10000117.00000



Figure 4-2

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

Do Not Fill In

No. **24181**

State Well No. _____
Other Well No. 35/11 082

OWNER:

(2) LOCATION OF WELL:

County San Joaquin Owner's number, if any— yr 1956
R. F. D. or Street No. 1320 FT S of Linne Rd on E/S of
Corral Hollow Rd

(3) TYPE OF WORK (check):

New well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) EQUIPMENT:

Rotary
Cable
Dug Well

(6) CASING INSTALLED:

SINGLE <input checked="" type="checkbox"/> DOUBLE <input type="checkbox"/>		Gage or Wall	If gravel packed		
From	ft. to		Diam.	ft.	to
309	784	12	30"	0	314
			26"	314	784
Type and size of shoe or well ring		none	Size of gravel: <u>1/4 x 1/2</u>		
Describe joint <u>butt weld</u>					

(7) PERFORATIONS:

Type of perforator used		Size of perforations		in. length, by		Rows per ft.	
Factory saw slot		2 1/2	15	1/8	45		
From	ft. to	ft.	ft.				
174	198						
294	305						
309	348						
373	390						
442	489						

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes No To what depth _____ ft.
Were any strata sealed against pollution? Yes No If yes, note depth of strata _____
From _____ ft. to _____ ft.
Method of Sealing _____

(9) WATER LEVELS:

Depth at which water was first found not available ft.
Standing level before perforating || ft.
Standing level after perforating || ft.

(10) WELL TESTS:

Was a pump test made? Yes No If yes, by whom? driller
Yield: 2000 gal./min. with P.L. 182 ft. drawn after 79 hrs.
Temperature of water _____ Was a chemical analysis made? Yes No
Was electric log made of well? Yes No

(11) WELL LOG:

Total depth	ft.	Depth of completed well	ft.
784		784	
Formation: Describe by color, character, size of material, and structure.			
0	ft. to	1	ft. Top Soil
1		10	"Sandy Clay
10		13	"Sand & Boulders
13		36	"Sand & Gravel
36		42	"Yellow Clay
42		57	"Gravel & Boulders
57		74	"Sandy Clay & Gravel
74		82	"Gravel
82		85	"Sandy Clay
85		110	"Gravel
110		116	"Sandy Clay
116		117	"Boulders
117		122	"Boulders & Gravel
122		151	"Brown Sandy Clay & Boulders
151		172	"Yellow Clay
172		177	"Gravel
177		212	"Yellow Clay
212		245	"Gray Clay
245		269	"Clay
269		277	"Dry Clay
277		297	"Blue Clay
297		317	"Gravel
317		342	"Blue Clay & Gravel
342		348	"Gravel
348		375	"Yellow Clay & Gravel
375		387	"Hard Dry Clay
387		397	"Sandy Clay
397		439	"Soft Yellow Clay
439		449	"Gravel
449		451	"Cemented Gravel
451		465	"Gravel
465		477	"Clay & Gravel
477		487	"Gravel
487		504	"Clay
504		537	"Clay & Gravel
537		539	"Boulders
539		553	"Gravel
553		563	"Cemented Gravel
563		583	"Cemented Clay & Gravel (Hard)
583		600	"Gravel
600		608	"Hard Clay & Gravel
608		620	"Clay & Gravel
Continued			

Work started Sept. 3, 19 56. Completed Oct. 26, 19 56

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WESTERN WELL DRILLING CO., LTD.

(Person, firm, or corporation) (Typed or printed)
Address P. O. Box 47

San Jose, Calif.

[SIGNED] [Signature]
Well Driller

License No. R-59381 Dated Nov. 6, 19 56

State of California
 Department of Water Resources
 Water Well Drilling Code

JOB ADDRESS 29400 S. Christmas Rd. CITY/ZIP Tracy
 CROSS STREET S. of Lurie APN 253-230-02 PARCEL SIZE 1 ac.
 OWNER NAME _____ PHONE _____
 OWNER ADDRESS Same CITY/STATE/ZIP _____
 CONTRACTOR Colwater Drilling PHONE 667-7932
 CONTRACTOR ADDRESS 300 S. Kirtay CITY/STATE/ZIP Turlock, Ca. 95380
 SUBCONTRACTOR _____ PHONE _____
 SUBCONTRACTOR ADDRESS _____ CITY/STATE/ZIP _____
 LICENSE C-57 C-61 D-09 Other _____ NUMBER 49421E EXPIRATION DATE _____

SITE ADDRESS: 29400 S. CHRISTMAS

1095328

GEOGRAPHICAL INFORMATION: Coordinates X Y Township _____ Range _____ Section _____
 INTENDED USE Domestic/Private Irrigation/Agricultural Industrial Water Quality Monitoring Soil Sampling/Characterization
 Public Water System
 If different from Owner: Water System Name _____ Contact Name or Floor Number _____

TYPE OF WORK New Well Replacement Well Well Alteration/Modification Test Hole Other _____
 Monitoring Well(s) _____ number of wells Soil Boring(s) _____ number of borings Geotechnical _____ number of borings
 Well Destruction Out-Of-Service Well Out-Of-Service Well Renewal
 New Pump Pump Replacement Pump Repair

WELL CONSTRUCTION
 Drilling Method Mud Rotary Air Rotary Auger Cable Tool Push Point Other _____
 Proposed Well Depth 200 ft Excavation 10" in diameter Open Bottom Gravel Pack / Gravel Size #6 in diameter
 Conductor Casing _____ in diameter / Conductor Casing Depth _____ ft
 Well Casing Diameter 6" in Thickness/Gauge/ASTM Sched _____ Steel Plastic Stainless Steel Other _____
 Grout Seal Depth 10" ft Neat Cement (94 lb bag / 5-10 gal water) Sand Cement _____ sack mix / 7 gal water
 Bentonite (20% solids) Manufacturer Spec % solids _____ % Name _____ Specs on File Specs Submitted
 Grout Placement Method Pumped Free Fall Other _____ Retardant / Accelerator (name) _____

PEDESTAL Installed By Driller Pump Contractor Other _____
 Concrete Pedestal Dimensions: Width _____ ft Length _____ ft Thick _____ in Christy Box Stove Pipe

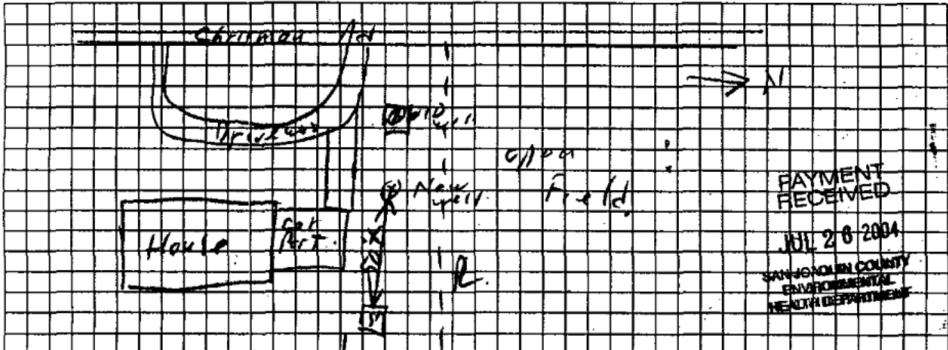
PUMP Submersible Turbine Other _____ HP _____ Pump Set _____ ft Standing Water Level _____ ft

WELL DESTRUCTION Open Bottom Gravel Pack Uncased Other _____
 Well Diameter 6" in Total Depth 80 ft Depth to Water _____ ft Casing to be Perforated from _____ ft to _____ ft
 Sealing Material Neat Cement (94 lb bag / 5-10 gal water) Sand Cement _____ sack mix / 7 gal water Bentonite Pellets
 Bentonite (20% solids) Manufacturer Spec % solids _____ % Name _____ Specs on File Specs Submitted
 Placement Method Pumped Free Fall Other _____
 Complete with Mushroom Cap _____ ft below grade Complete to Existing Surface Pad

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS. I ALSO CERTIFY THAT MY REQUIRED LICENSE IS CURRENT AND ACTIVE WITH THE CALIFORNIA CONTRACTORS STATE LICENSE BOARD AND THAT I AM IN COMPLIANCE WITH ALL WORKERS COMPENSATION LAWS.

MINIMUM 24 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTIONS - PLEASE CALL (209) 953-7697

SIGNED Carla Henning TITLE Pres DATE 7-14-04



PAYMENT RECEIVED
 JUL 20 2004
 SAN JOAQUIN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

DEPARTMENT USE ONLY
 Application Accepted By M. McClure Date 7/26/04 Area 216 Employee ID# 1456 5/99
 Grout Inspection By _____ Date _____ SPECIAL Well Permit
 Pump Inspection By _____ Date _____ WAIVER Received
 Destruction Inspection By _____ Date _____ Constructed Well Depth _____ ft
 COMMENTS Old lot of record.

PE Codes	SC Info	Received By	Check#/Cash	Amount Remitted	Date	Permit/Service Request #	Invoice #	Well ID#
43.70	150	726	39226	\$225.00	7/26/04	SR0038926		
43.68	060	726	39227	\$93.00		SR0038927		

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
038105220
STATE WELL NO./STATION NO.
LATITUDE _____ LONGITUDE _____
APN/TRS/OTHER _____

Page _____ of _____
Owner's Well No. _____ No. **559325**
Date Work Began **2-12-03**, Ended **2-21-03**
Local Permit Agency **SAN JOAQUIN COUNTY**
Permit No. **SRO031883** Permit Date **11-13-02**

GEOLOGIC LOG

WELL OWNER _____

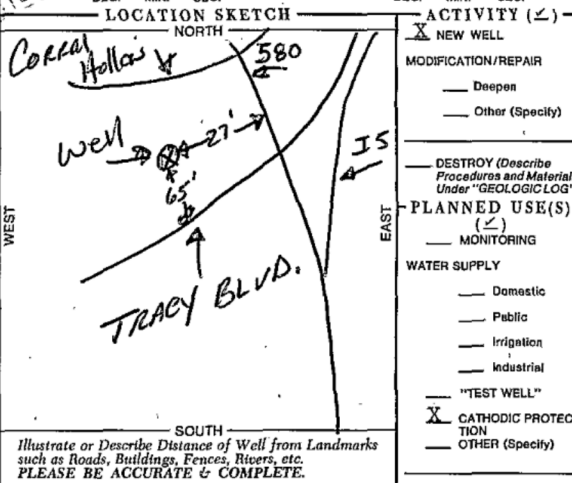
ORIENTATION (∠) VERTICAL _____ HORIZONTAL _____ ANGLE _____ (SPECIFY)

DEPTH TO FIRST WATER _____ (FL) BELOW SURFACE

DEPTH FROM SURFACE _____ DESCRIPTION

Fl.	to Fl.	Description
1	10	Clay
10	65	Clay with Big Gravel
65	85	Clay
85	121	Sand & Clay
121	150	Sand & Gravel
150	180	Clay
180	210	Gravel with Clay
210	228	Sand & Gravel
228	300	Clay with Gravel

WELL LOCATION
Address **T-580 & S. TRACY BLVD.**
City **TRACY**
County **SAN JOAQUIN**
APN Book **253** Page **090** Parcel **23**
Township **3S** Range **5E** Section **20**
Latitude _____ Longitude _____
DEG. MIN. SEC. NORTH Longitude DEG. MIN. SEC. WEST



DRILLING METHOD **ROTARY** DRILLING MUD _____ FLUID _____
WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH OF STATIC WATER LEVEL _____ (FL) & DATE MEASURED _____
ESTIMATED YIELD* _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (FL.)
* May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING **300** (Feet)
TOTAL DEPTH OF COMPLETED WELL **300** (Feet)

DEPTH FROM SURFACE Fl. to Fl.	BORE-HOLE DIA. (Inches)	CASING(S)							ANNULAR MATERIAL				
		TYPE (∠)			MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE				
		BLANK	SCREEN	CON- JUNCTION					FILL PIPE				
0 : 150	12		X		PVC	6	SCH 40	N/A	4 : 127	X			10 SACK SAND SLURRY
150 : 300	9 7/8								150 : 300			X	COKE BREEZE

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 **FARWEST CORROSION CONTROL CO.**
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS **4114 ARMOUR AVE.** CITY **BAKERSFIELD,** STATE **CA** ZIP **93308**
Signed **Wilson New** DATE SIGNED **5-11-03** 248232
WELL DRILLER/AUTHORIZED REPRESENTATIVE C-57 LICENSE NUMBER

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Page 1 of 2
Owner's Well No. 20232-1 No. **808108**
Date Work Began 4/18/02 Ended 5/10/02
Local Permit Agency SAN JOAQUIN CITY HEALTH
Permit No. 29355 Permit Date 4/5/02

20/21/28/29

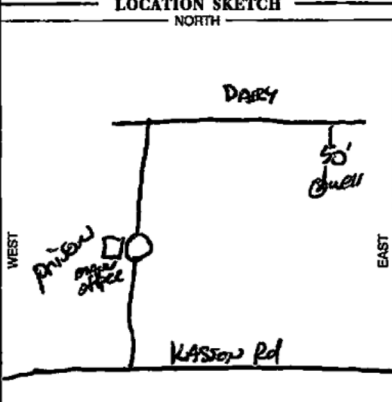
DWR USE ONLY - DO NOT FILL IN

025106

STATE WELL NO./STATION NO.

LATITUDE _____ LONGITUDE _____

APN/TRS/OTHER _____

ORIENTATION (✓)			WELL OWNER	
<input checked="" type="checkbox"/> VERTICAL _____ HORIZONTAL _____ ANGLE _____ (SPECIFY) DRILLING METHOD <u>MUD ROTARY</u> WATER/BENT _____ FLUID _____			Address <u>23500 KASSON RD</u> City <u>TRACY</u> County <u>SAN JOAQUIN</u> APN Book <u>239</u> Page <u>120</u> Parcel <u>01</u> Township _____ Range _____ Section _____ Latitude _____ Longitude _____	
DEPTH FROM SURFACE	FL	FL	DESCRIPTION	WELL LOCATION
	0	5	BLACK CLAY	Address <u>23500 KASSON RD</u> City <u>TRACY</u> County <u>SAN JOAQUIN</u> APN Book <u>239</u> Page <u>120</u> Parcel <u>01</u> Township _____ Range _____ Section _____ Latitude _____ Longitude _____ NORTH  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.
	5	10	BROWN CLAY	
	10	15	BROWN SILTY CLAY	
	15	20	BROWN CLAY	
	20	30	BROWN CLAY & SILTY CALY	
	30	50	BROWN CLAY	
	50	55	BLUE CLAY & SANDY CLAY	
	55	80	FINE SAND & SAND	
	80	90	SAND	
	90	100	BLUE CLAY & SANDY CLAY	
	100	110	BLUE CLAY	
	110	120	FINE SANDY CLAY & FINE SAND	
	120	130	FINE SAND & SAND	
	130	210	GRAY SAND	
	210	320	BROWN CLAY	
	320	340	BROWN/BLUE CLAY	
	340	370	BLUE CLAY	
	370	390	BLUE CLAY & SILTY CLAY	
	390	410	BLUE CLAY & SANDY CLAY	
	410	450	BLUE CLAY & SHALE	
	450	470	BLUE SILTSTONE	
	470	490	BLUE CLAY & SILTY CLAY	
	490	570	BLUE CLAY	
	570	620	CLAY	
	620	690	SAND & GRAVEL	
	690	705	BROWN CLAY	
	705	710	SAND & GRAVEL	
	710	715	SAND, GRAVEL & CLAY	
	715	730	BROWN CLAY & GRAVEL	
TOTAL DEPTH OF BORING <u>1205</u> (Feet)			WATER LEVEL & YIELD OF COMPLETED WELL DEPTH OF FIRST WATER _____ (FL) BELOW SURFACE DEPTH OF STATIC _____ 37 (FL) & DATE MEASURED <u>05/14/02</u> WATER LEVEL _____ (FL) & DATE MEASURED _____ ESTIMATED YIELD <u>30+</u> (GPM) & TEST TYPE <u>TEST PUMPING</u> TEST LENGTH <u>2</u> (Hrs.) TOTAL DRAWDOWN <u>32</u> (FL)	
TOTAL DEPTH OF COMPLETED WELL <u>1100</u> (Feet)			* May not be representative of a well's long-term yield.	

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	TYPE (✓)				CASING (S)			DEPTH FROM SURFACE	ANNULAR MATERIAL				
		BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS		SLOT SIZE IF ANY (Inches)	CE-MENT	BEN-TONITE	FILL	FILTER PACK (TYPE/SIZE)
Fl. 0 to 380	12 1/4					PVC	5	SDR-21	0.32	0	110	XX		10 sack
380 - 400	12 1/4	X				PVC	5	SDR-21	0.32	110	1205		XX	8 x 16
400 - 500	12 1/4	X				PVC	5	SDR-21	0.32					
500 - 520	12 1/4	X				PVC	5	SDR-21	0.32					
520 - 620	12 1/4	X				PVC	5	SDR-21	0.32					
620 - 640	12 1/4	X				PVC	5	SDR-21	0.32					
640 - 680	12 1/4	X				PVC	5	SDR-21	0.32					

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 MAGGIORA BROS. DRILLING, INC.

(PERSON, FIRM, OR CORPORATION, TYPED OR PRINTED)

ADDRESS 595 AIRPORT BLVD. WATSONVILLE, CA 95078

City Watsonville State CA ZIP 95078

Signed Cal Bables DATE SIGNED 05/14/02 C-57 LICENSE NUMBER 249957

WELL DRILLER/AUTHORIZED REPRESENTATIVE

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

20/21/28/01

DWR USE ONLY - DO NOT FILL IN

0285106E

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 2 of 2
Owner's Well No. 20232-1
Date Work Began 4/16/02, Ended 5/10/02
No. 808108
Local Permit Agency SAN JOAQUIN CITY HEALTH
Permit No. 28355 Permit Date 8/7/97

GEOLOGIC LOG **WELL OWNER**

ORIENTATION () VERTICAL HORIZONTAL ANGLE (SPECIFY) _____
DRILLING METHOD **MUD ROTARY** FLUID **WATER/BENT**

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Fl.	to Fl.	
730	750	GRAVEL & CLAY
750	760	GRAVEL & SAND
760	765	BROWN CLAY
765	770	GRAVEL
770	800	GRAVEL & CLAY
800	810	BROWN CLAY
810	820	BROWN CLAY & GRAVEL
820	830	CLAY & GRAVEL
830	910	GRAVEL & BROWN CLAY
910	930	CLAY & GRAVEL
930	950	BROWN CLAY & GRAVEL
950	970	BLUE CLAY & GRAVEL
970	1030	BLUE CLAY
1030	1050	BLUE CLAY & GRAVEL
1050	1093	GRAVEL & GRAY CLAY
1093	1110	SAND & CLAY
1110	1130	BROWN CLAY & GRAVEL
1130	1150	GRAVEL & CLAY
1150	1175	BLUE CLAY
1175	1180	ROCK & GRAVEL
1180	1185	GRAVEL & BLUE CLAY
1185	1193	BROWN/BLUE CLAY
1193	1205	HARD DRY CLAY & ROCK

Address **23500 RASSON RD**
City **TRACY**
County **SAN JOAQUIN**
APN Book _____ Page _____ Parcel _____
Township _____ Range _____ Section _____
Latitude _____ NORTH _____ WEST _____
Longitude _____ DEG. MIN. SEC. _____

LOCATION SKETCH

NORTH

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 _____
REMEDICATION _____
OTHER (SPECIFY) _____

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER _____ (Fl.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL _____ (Fl.) & DATE MEASURED _____
ESTIMATED YIELD _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Fl.)
** May not be representative of a well's long-term yield.*

TOTAL DEPTH OF BORING **1205** (Feet)
TOTAL DEPTH OF COMPLETED WELL **1100** (Feet)

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)				ANNULAR MATERIAL									
			TYPE ()				TYPE									
Fl.	to Fl.		BLANK	SCREEN	CONDUIT	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Fl.	to Fl.	CE-MENT ()	BEN- TONITE ()	FILL ()	FILTER PACK (TYPE/SIZE)
680	700	12-1/4	X				PVC	5	SDR-21	.032	0	110	XX			10 sack
700	920	12-1/4	X				PVC	5	SDR-21	.032	110	1205			XX	8 x 16
920	940	12-1/4	X				PVC	5	SDR-21	.032						
940	1060	12-1/4	X				PVC	5	SDR-21	.032						
1060	1080	12-1/4	X				PVC	5	SDR-21	.032						
1080	1100	12-1/4	X				PVC	5	SDR-21	.032						

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 **MAGGIORA BROS. DRILLING, INC.**
(PERSON, FIRM, OR CORPORATION - TYPE OR PRINTED)

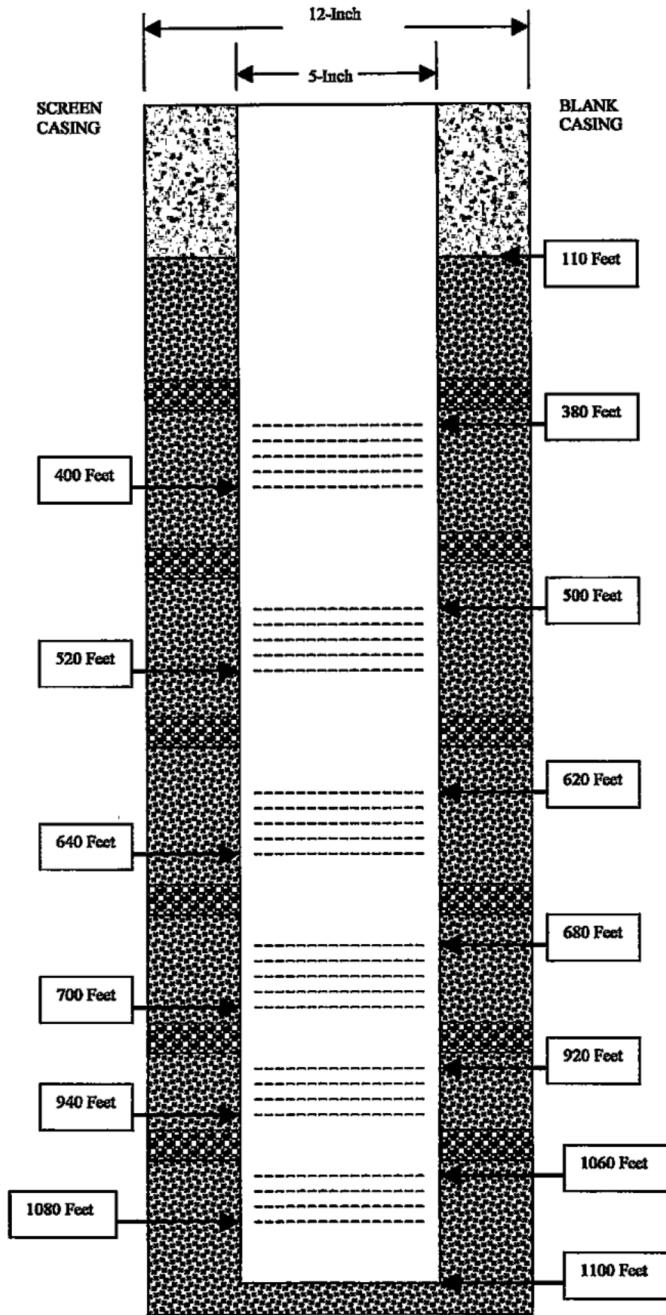
ADDRESS **595 AIRPORT BLVD. WATSONVILLE, CA 95076**

Signed **Karl Beckler** CITY STATE ZIP
DATE SIGNED **5/14/02** C-57 LICENSE NUMBER **249957**






WELL DRILLER/AUTHORIZED REPRESENTATIVE

808108

Maggiara Bros. Drilling, Inc. Well Design



KEY

-  Concrete seal
-  Gravel Pack
-  Bentonite
-  Blank Casing
-  Screen Casing

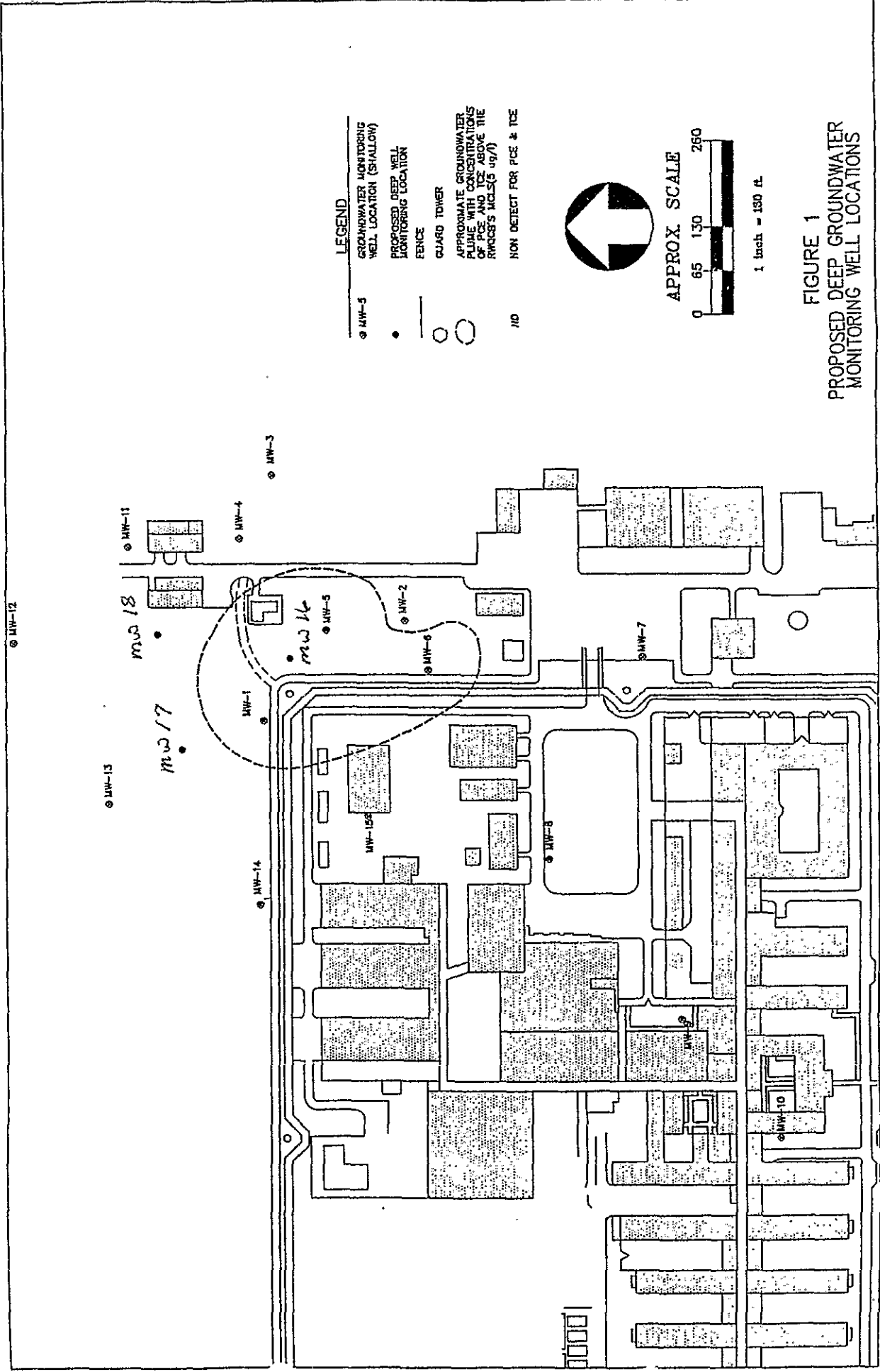
Construction Materials

- Screen 5" PVC SDR21 0.032
- Blank 5" PVC SDR21
- Bottom 5" PVC cap
- Gravel 8 x 16
- Seal 10 Sack sand slurry
- Bentonite 340-360, 440-460, 560-580, 650-670, 820-840, 1010-1030

Permit # 29355
 County San Joaquin
 Owner Deuel Vocational Inst.
 Site 23500 Kasson Rd
 City Tracy
 Job # 20232-1

NOT TO SCALE

DESIGNED BY: [Illegible]
 DRAWN BY: [Illegible]



LEGEND

- ⊙ MW-5 GROUNDWATER MONITORING WELL LOCATION (SHALLOW)
- PROPOSED DEEP WELL MONITORING LOCATION
- FENCE
- GUARD TOWER
- APPROXIMATE GROUNDWATER TABLE WITH CONCENTRATIONS OF PCE AND TCE ABOVE THE RWQBS MCL(S) (ug/l)
- ∅ NON DETECT FOR PCE & TCE



APPROX. SCALE

0 65 130 260

1 inch = 130 ft.

FIGURE 1
PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATIONS

453726

BORING LOG

02906E20H

Project Name: _____ Project Number: 4034.02
 Soil Boring Monitoring Well Boring/Well Number: MW-16 Sheet 1 of 3

Boring Location: SEE FIGURE 1		Elevation and Datum	
Drilling Contractor: LAYNE	Driller: MARK PEARSON	Date Started: 4/17/95	Date Finished: 5/2/95
Drilling Equipment: FAILING 1500	Borehole Diameter: 1 3/4"	Completed Depth (feet): 85	Water Depth (feet)
Sampling Method: California Modified <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Split Spoon <input type="checkbox"/>		WELL CONSTRUCTION	
Drilling Fluid: MUD (BENTONITE)		Type and Diameter of Well Casing: 8-INCH SCHED. 80 PVC	
Backfill Material: CEMENT GROUT		Slot Size: 0.02"	Filter Material: #3 MONTEREY
Logged By: P. NOVELLY		Checked By: S. ANDERSON	
		Development Method: BAILING-DEVEL. RIG	

Depth (feet)	USG Soil Type	Description	Flow Couple	Sample No.	Graphic Log			P10/P15 Readings	Remarks
					Lithology	Annulus	Casing		
		SOIL AT SURFACE							
0-5	SC	CLAYEY SAND, BROWN, DRY, FINE, MINOR SILTY CLAY			[Diagonal Hatching]	[Dotted]			OVM READING 0 PPM IN BREATHING ZONE
5-10		INCREASED SILTY CLAY			[Diagonal Hatching]	[Dotted]			
10-12	SP	SAND, BROWN, WET, FINE, MICACEOUS, INTERBEDDED SILTY CLAY (0-2 FEET THICK)			[Diagonal Hatching]	[Dotted]			
12-20		BECOMING SILTY MINOR MEDIUM TO COARSE SAND			[Dotted]	[Dotted]			OVM READING 0 PPM IN BREATHING ZONE
20-25					[Dotted]	[Dotted]			
25-30					[Dotted]	[Dotted]			

453726

BORING LOG 02506E20H

Project Name: _____ Project Number: 4034.02

Soil Boring Monitoring Well Boring/Well Number: MW-16 Sheet 2 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PID/FID Readings	Remarks
					Lithology	Anaerobic	Casing		
35	SP	SAND, BROWN, WET, FINE, MICACEOUS MINOR SILTY CLAY							OVM READING 0 PPM IN BREATHING ZONE
38	CL	SILTY CLAY, BROWN, WET, FIRM							
42	SP	SAND, BROWN, WET, FINE TO VERY FINE							
45		BECOMING TAN, FINE TO MEDIUM, SILTY							
52	CL	SILTY CLAY, BROWN, WET, STIFF							OVM READING 0 PPM IN BREATHING ZONE
58	SP	SAND, TAN TO GRAY, WET, MEDIUM TO COARSE							
60									
65									
70									

453726

02506E20H

BORING LOG

Project Name _____ Project Number: 4034.02

Soil Boring Monitoring Well Boring/Well Number: MW-16 Sheet 3 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PID/FID Readings	Remarks
					Lithology	Annulus	Casing		
75	SP	SAND, TAN TO GRAY, WET, MEDIUM TO COARSE							OVM READING 0 PPM IN BREATHING ZONE 75 TO 80 FEET FAST DRILLING-GOOD SAND UNIT
		BECOMING SILTY							
85	CL	SILTY CLAY, BLUE GRAY, WET, FIRM							
90									
95									
100									

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. MW-17

Date Work Began 4-18-95, Ended 4-27-95

Local Permit Agency San Joaquia Public Health Services

Permit No. 5716 Permit Date 4-10-95

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 453724

DWR USE ONLY - DO NOT FILL IN

02506E20H IV
STATE WELL NO./STATION NO.

LATITUDE _____ LONGITUDE _____

APN/TRS/OTHER _____

GEOLOGIC LOG

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

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to Ft.	
		See Geologic Log

WELL LOCATION

Address 23500 Kesson Rd.
City Tracy
County San Joaquin
APN Book 239 Page 120 Parcel 001
Township 02S Range 06E Section 20
Latitude _____ Longitude _____

LOCATION SKETCH

See Site Map

ACTIVITY (✓)

NEW WELL

MODIFICATION/REPAIR

____ Deepen
____ Other (Specify)

____ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S)

MONITORING

WATER SUPPLY

____ Domestic
____ Public
____ Irrigation
____ Industrial
____ "TEST WELL"
____ CATHODIC PROTECTION
____ OTHER (Specify)

DRILLING METHOD Direct Rotary FLUID Bentonite

WATER LEVEL & YIELD OF COMPLETED WELL

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.

TOTAL DEPTH OF BORING 85 (Feet)
TOTAL DEPTH OF COMPLETED WELL 80 (Feet)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE			
		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	CE-MENT (✓)		BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)	
0 to 60	12.25	X	PVC	5	Sch 80		0 to 55	X				
60 to 80	"	X	"	"	"	.020	55 to 85				8X16	

ATTACHMENTS (✓)

Geologic Log
____ Well Construction Diagram
____ Geophysical Log(s)
____ Soil/Water Chemical Analyses
 Other Site Map

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 Layne-Western Co.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 275 County Rd. 98 Woodland Ca. 95695
CITY STATE ZIP

Signed [Signature] 5-20-96 510011
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

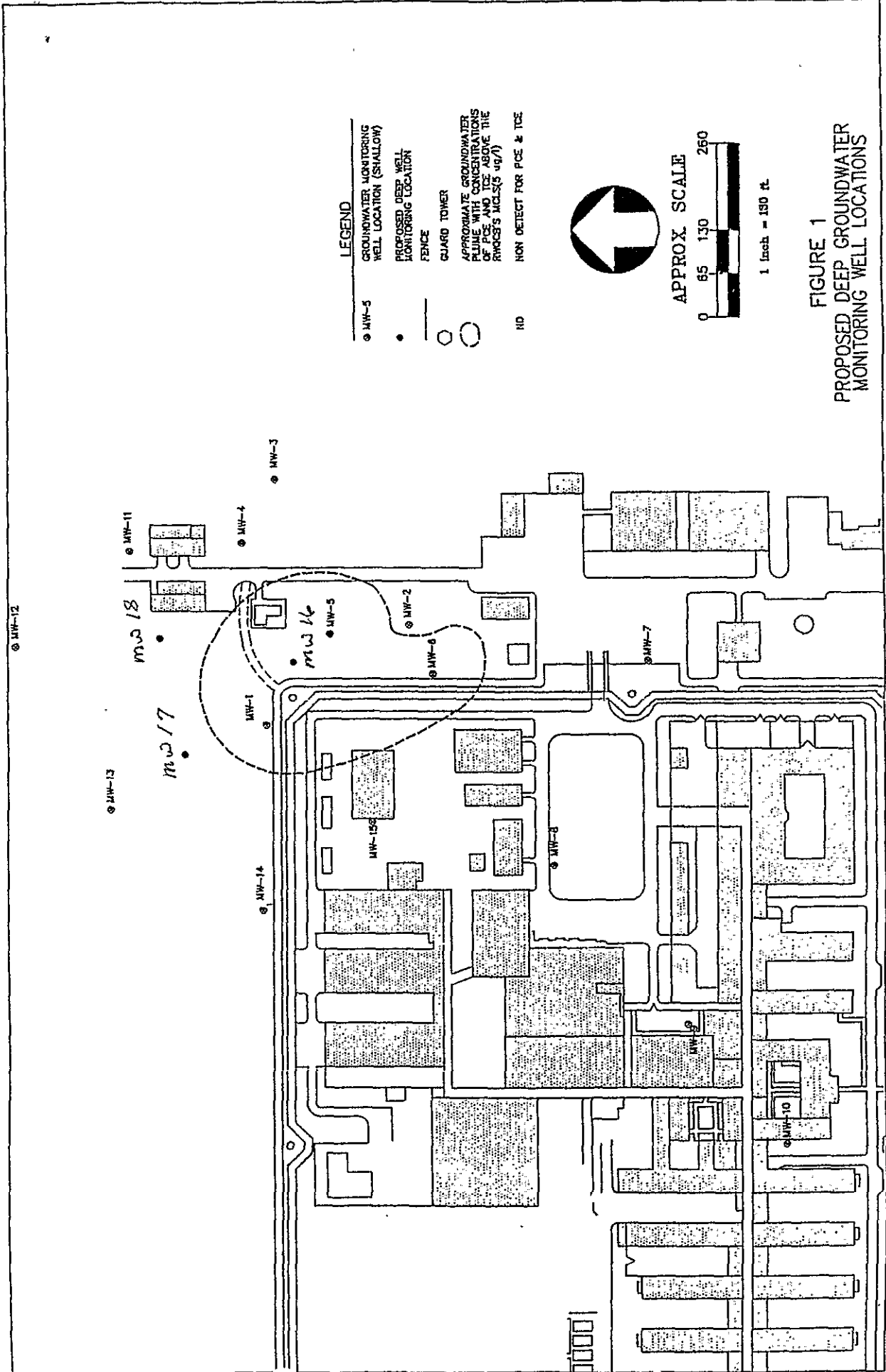


FIGURE 1
 PROPOSED DEEP GROUNDWATER
 MONITORING WELL LOCATIONS

45372

02906E20 H

BORING LOG

Project Name: _____ Project Number: 4034 02
 Soil Boring Monitoring Well Spring/Well Number: MW-17 Sheet 1 of 3

Boring Location: <u>SEE FIGURE 1</u>		Elevation and Datum	
Drilling Contractor: <u>LAYNE</u>	Driller: <u>MARK PEARSON</u>	Date Started: <u>4/18/95</u>	Date Finished: <u>4/27/95</u>
Drilling Equipment: <u>FAYLING 1500</u>	Borehole Diameter: <u>12 1/8"</u>	Completed Depth (feet): <u>80</u>	Water Depth (feet)
Sampling Methods: California Modified <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Split Spoon <input type="checkbox"/>		WELL CONSTRUCTION	
Drilling Fluid: <u>MWD - BENTONITE</u>		Type and Diameter of Well Casing: <u>5 INCH SCHED. 80 PVC</u>	
Backfill Material: <u>CEMENT GROUT</u>		Slot Size: <u>0.02"</u>	Filter Material: <u>#3 MONTEREY</u>
Logged By: <u>P. NOVELLY</u>	Checked By: <u>S. ANDERSON</u>	Development Method: <u>BAILING-DEVEL. RIG</u>	

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PID/FID Readings	Remarks
					Lithology	Annulus	Casing		
		SOIL AT SURFACE							
0	CL	SILTY CLAY, BROWN, SLIGHTLY MOIST, FIRM							OVM READING 0 PPM IN BREATHING ZONE
5		MINOR SAND							
10	SP	SAND, BROWN, WET, FINE, MICACEOUS, INTERBEDDED THIN CLAY UNITS							OVM READING 0 PPM IN BREATHING ZONE
15									
20									
25									
30									

45372

02906E20H

BORING LOG

Project Name: _____ Project Number: 4034.02

Soil Boring Monitoring Well Boring/Well Number: MJ-17 Sheet 2 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts:	Graphic Log			RID/FID Readings	Remarks
				Sample No.	Lithology	Annulus		
32	SP	SAND, BROWN, WET, FINE, MINOR SILTY CLAY			+			OVM READING 0 PPM IN BREATHING ZONE
35					+			
38	CL	SILTY CLAY, BROWN, WET, FIRM			+			
40	SP	SAND, BROWN, WET, FINE, MINOR SILTY CLAY			+			
43	CL	SILTY CLAY, BROWN, WET, FIRM, MINOR FINE SAND			+			
45					+			
48	SM	SILTY SAND, TAN, WET, FINE TO MEDIUM			+			
51					+			
54					+			
57					+			
60	CL	SILTY CLAY, BROWN, WET, FIRM			+			
63	SP	SAND, TAN, WET, FINE, MINOR SILT			+			
66					+			
69					+			
72	CL	SILTY CLAY, GRAY, WET, FIRM MINOR FINE SAND			+			
75					+			
78					+			
81					+			
84					+			
87					+			
90					+			
93					+			
96					+			
99					+			
102					+			
105					+			
108					+			
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636					+			
639					+			
642					+			
645					+			
648					+			
651								

453724

02S06E20H

BORING LOG

Project Name:

Project Number: 4034.02

Soil Boring

Monitoring Well

Boring/Well Number: MW-17

Sheet 3 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log				Remarks
					Lithology	Annulus	Casing	PIP/FID Readings	
75		SM SILTY SAND, TAN TO GRAY, WET, FINE TO MEDIUM, MICACEOUS; MINOR CLAY			[Dotted pattern]	[Dotted pattern]	[Horizontal lines]		OVM READING 0 PPM IN BREATHING ZONE
80		CL SILTY CLAY, GRAY, WET, FIRM			[Diagonal lines]				
85									
90									
95									
100									

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
025064204 M
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Page 1 of 1
Owner's Well No. MW-18 No. 453725
Date Work Began 4-19-95, Ended 4-25-95
Local Permit Agency San Joaquin Public Health Services
Permit No. 5716 Permit Date 4-10-95

GEOLOGIC LOG

WELL OWNER

ORIENTATION (∠) VERTICAL HORIZONTAL ANGLE (SPECIFY)
DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE
DESCRIPTION
Ft. to Ft. Describe material, grain size, color, etc.

CITY _____ STATE _____ ZIP _____
WELL LOCATION
Address 23500 Kasson Rd.
City Tracy
County San Joaquin
APN Book 239 Page 120 Parcel 001
Township 029 Range 06E Section 20
Latitude _____ NORTH Longitude _____ WEST

DEPTH FROM SURFACE		DESCRIPTION
Ft.	to Ft.	
		See Geologic Log

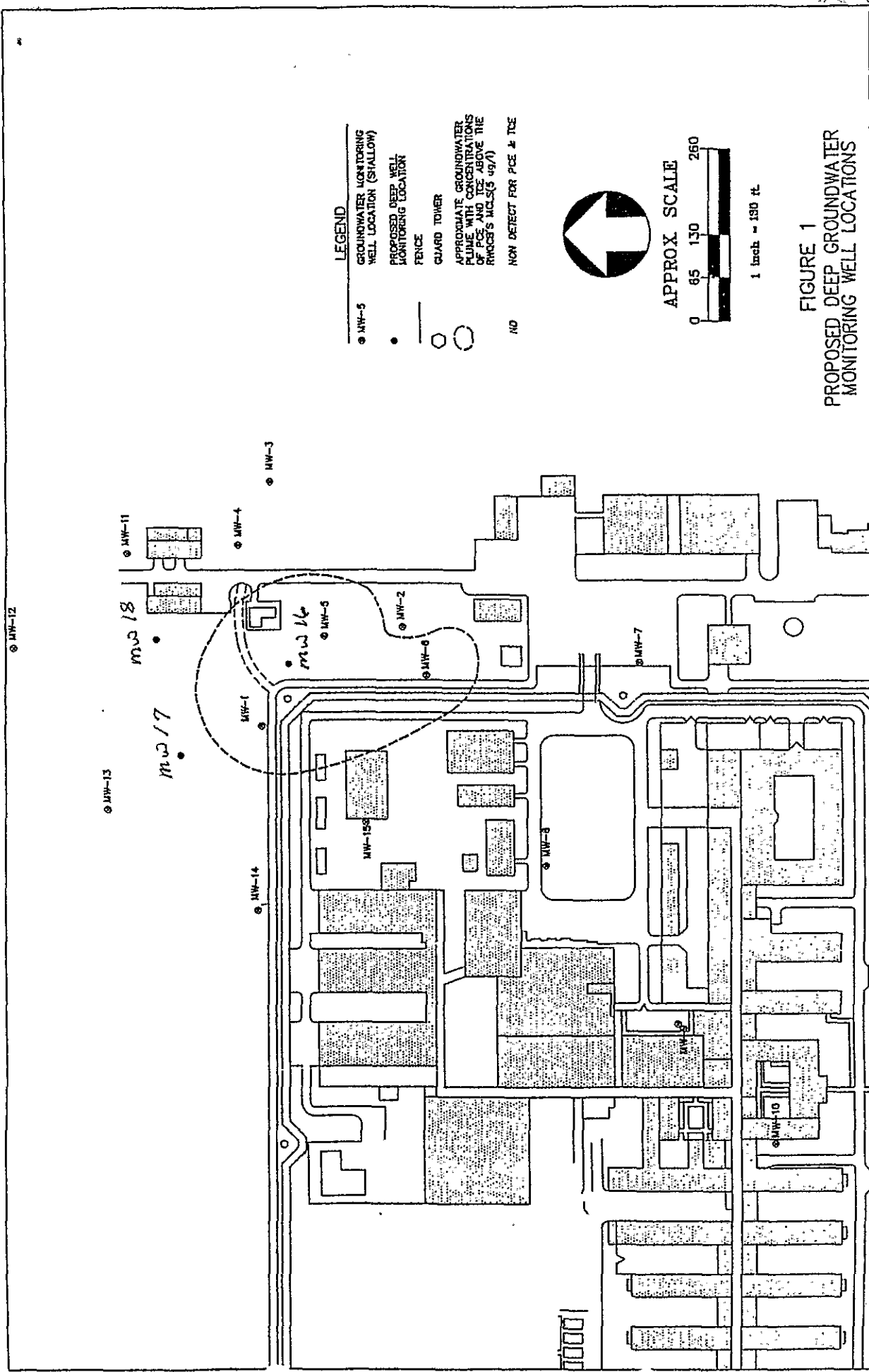
LOCATION SKETCH
NORTH _____ SOUTH _____
WEST _____ EAST _____
See Site Map
ACTIVITY (∠)
 NEW WELL
MODIFICATION/REPAIR
 Deepen
 Other (Specify)
DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USE(S)
 MONITORING
WATER SUPPLY
 Domestic
 Public
 Irrigation
 Industrial
 "TEST WELL"
 CATHODIC PROTECTION
 OTHER (Specify)

DRILLING METHOD Direct Rotary FLUID Bentonite
WATER LEVEL & YIELD OF COMPLETED WELL
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.

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE			
		TYPE (∠)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	CE-MENT (∠)		BEN-TONITE (∠)	FILL (∠)	FILTER PACK (TYPE/SIZE)	
0 to 60	12.25	X	PVC	12.25	Sch 80		0 to 55	X				
60 to 80	"	X	"	5"	"	.020	55 to 85				8x16	

- ATTACHMENTS (∠)
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analyses
 - Other Site Map
- 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 Layne-Western Co. 147
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 275 County Rd. 98 Woodland Ca. 95695
CITY STATE ZIP
Signed [Signature] 5-20-96 510011
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER



LEGEND

- ⊙ MW-5 GROUNDWATER MONITORING WELL LOCATION (SHALLOW)
- PROPOSED DEEP WELL MONITORING LOCATION
- FENCE
- GUARD TOWER
- ⊙ APPROXIMATE GROUNDWATER PLUME WITH CONCENTRATIONS OF PCE AND TCE ABOVE THE RWQCS'S MCLs(5 ug/l)
- NO NON DETECT FOR PCE & TCE

APPROX SCALE

0 65 130 260

1 inch = 150 ft

FIGURE 1
PROPOSED DEEP GROUNDWATER MONITORING WELL LOCATIONS

453725

DURING LOG 02506E 20H

Project Name: _____ Project Number: 4034.02
 Soil Boring Monitoring Well Spring/Well Number: MW-18 Sheet 1 of 3

Boring Location: SEE FIGURE 1		Elevation and Datum	
Drilling Contractor: LAYNE	Driller: MARK PEARSON	Date Started: 4/19/95	Date Finished: 4/25/95
Drilling Equipment: FAILING 1500	Borehole Diameter: 12 1/2"	Completed Depth (feet): 80	Water Depth (feet)
Sampling Method: California Modified <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Split Spoon <input type="checkbox"/>		WELL CONSTRUCTION	
Drilling Fluid: MUD-BENTONITE	Type and Diameter of Well Casing: 5-INCH SCHED. 80 PVC		
Backfill Material: CEMENT GROUT	Slot Size: 0.02"	Filter Material: #3 MONTEREY	
Logged By: P. NOVELLY	Checked By: S. ANDERSON	Development Method: BAILING - DEVEL. RIG	

Depth (feet)	USG Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PIP/FO Readings	Remarks
					Lithology	Annulus	Casing		
		SOIL AT SURFACE							
0	SM	SILTY SAND, BROWN, FINE, SLIGHTLY MOIST, INTERBEDDED CLAY LAYERS						OVM READING 0 PPM IN BREATHING ZONE	
10	SP	SAND, BROWN, FINE TO VERY FINE, SLIGHTLY MOIST, MICACEOUS, MINOR CLAY.						OVM READING 0 PPM IN BREATHING ZONE	

453725

BORING LOG

02906E20H

Project Name: _____ Project Number: 4034.02

Soil Boring Monitoring Well Spring/Well Number: MW-18 Sheet 2 of 3

Depth (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log			PID/FID Readings	Remarks
					Lithology	Annulus	Casing		
35	SM	SILTY SAND, BROWN, WET, FINE INTERBEDDED CLAY UNITS			[Lithology pattern]	[Annulus pattern]			OVM READING 0 PPM IN BREATHING ZONE
45		BECOMING TAN, FINE TO MEDIUM			[Lithology pattern]	[Annulus pattern]			
60		THIN SILTY CLAY LAYERS			[Lithology pattern]	[Annulus pattern]			OVM READING 0 PPM IN BREATHING ZONE
65	CL	SILTY CLAY, BROWN, WET, FIRM			[Lithology pattern]	[Annulus pattern]			
65	SP	SAND, TAN, WET, FINE, MINOR SILT			[Lithology pattern]	[Annulus pattern]			
70					[Lithology pattern]	[Annulus pattern]			

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN

23105E05

STATE WELL NO./STATION NO.

LATITUDE _____ LONGITUDE _____

APN/TRS/OTHER _____

Owner's Well No. **MW3-A** No. **E005374**

Work Began **11/4/2003**, Ended **11/6/2003**

Local Permit Agency **SAN JOAQUIN COUNTY ENV. HEALTH**
Permit No. **SR0035657** Permit Date **10/18/2003**

GEOLOGIC LOG			WELL OWNER		
ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE _____ (SPECIFY)			CITY _____ STATE _____ ZIP _____		
DRILLING METHOD ROTARY FLUID WATER			WELL LOCATION		
DEPTH FROM SURFACE			Address PEONY RD. AT CHATEAU LN		
Fl. to Ft.			City TRACY CA		
DESCRIPTION			County SAN JOAQUIN		
Describe material, grain, size, color, etc.			APN Book 244 Page 020 Parcel 24		
0 20 CONDUCTOR			Township _____ Range _____ Section _____		
20 40 GRAVEL MIX IN CLAY AND SMALL COBBLES			Latitude _____		
40 60 MEDIUM SAND, GRAVEL AND SMALL CLAY STREAK			DEG. MIN. SEC. _____		
60 80 GRAVEL AND MEDIUM SAND			DEG. MIN. SEC. _____		
80 120 GRAVEL AND CLAY MIX			LOCATION SKETCH		
120 140 SMALL GRAVEL AND CLAY STREAK			NORTH		
140 160 MEDIUM SAND AND SMALL GRAVEL			ACTIVITY (✓)		
160 180 LARGE GRAVEL AND COARSE SAND			<input checked="" type="checkbox"/> NEW WELL		
180 220 LARGE GRAVEL AND CLAY MIX			MODIFICATION/REPAIR		
220 260 CLAY			— Deepen _____		
260 300 CLAY MIX, SMALL GRAVEL			— Other (Specify) _____		
300 320 BLUE GRAY CLAY			— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG") _____		
320 340 CLAY AND MEDIUM SAND, SMALL GRAVEL			PLANNED USES (✓)		
340 380 SMALL GRAVEL			WATER SUPPLY		
380 400 COARSE SAND AND SMALL GRAVEL			— Domestic _____ Public _____		
400 415 MEDIUM SAND AND SMALL GRAVEL MIX			— Irrigation _____ Industrial _____		
			MONITORING <input checked="" type="checkbox"/>		
			TEST WELL _____		
			CATHODIC PROTECTION _____		
			HEAT EXCHANGE _____		
			DIRECT PUSH _____		
			INJECTION _____		
			VAPOR EXTRACTION _____		
			SPARGING _____		
			REMIEDIATION _____		
			OTHER (SPECIFY) _____		
			SOUTH		
			Illustrate or Describe Distances of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.		
			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.		
TOTAL DEPTH OF BORING 415 (Feet)					
TOTAL DEPTH OF COMPLETED WELL 405 (Feet)					

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)				ANNULAR MATERIAL						
Fl. to	Ft.		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE	TYPE	CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	380	14	✓	STEEL	6 5/8	.188		0	370	✓			
380	400	14	✓	STEEL	6 5/8	.188	0.05	370	405			✓	GRAVEL 8X16
400	405	14	✓	STEEL	6 5/8	.188							

ATTACHMENTS (✓)

— Geologic Log

— Well Construction Diagram

— Geophysical Log(s)

— Soil/Water Chemical Analysis

— 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 **BRADLEY & SONS**

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

3625 S. HIGHLAND DEL REY CA 93616

ADDRESS CITY STATE ZIP

Signed *Rebecca H. Dunn* DATE SIGNED **03/19/04** 414178 C-67 LICENSE NUMBER

WELL DRILLER/AUTHORIZED REPRESENTATIVE

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
03105E05
 STATE WELL NO./STATION NO.
 LATITUDE _____ LONGITUDE _____
 APN/TRS/OTHER _____

Owner's Well No. MW3-B

No. **E005373**

Work Began 11/7/2003, Ended 11/9/2003

Local Permit Agency SAN JOAQUIN COUNTY ENV. HEALTH

Permit No. SR0035657 Permit Date 10/18/2003

GEOLOGIC LOG			WELL OWNER		
ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE _____ (SPECIFY)			WELL LOCATION		
DRILLING METHOD <u>ROTARY</u> FLUID <u>WATER</u>			Address <u>PEONY RD. AT CHATEAU LN</u>		
DEPTH FROM SURFACE			City <u>TRACY CA</u>		
FL to Ft			County <u>SAN JOAQUIN</u>		
DESCRIPTION			APN Book <u>244</u> Page <u>020</u> Parcel <u>24</u>		
Describe material, grain, size, color, etc.			Township _____ Range _____ Section _____		
0 20 CONDUCTOR			Latitude _____		
20 40 GRAVEL MIX IN CLAY AND SMALL COBBLES			DEG. MIN. SEC. DEG. MIN. SEC.		
40 60 MEDIUM SAND, GRAVEL AND SMALL CLAY STREAK			LOCATION SKETCH		
60 80 GRAVEL AND MEDIUM SAND			NORTH		
80 120 GRAVEL AND CLAY MIX			ACTIVITY (✓)		
120 140 SMALL GRAVEL AND CLAY STREAK			<input checked="" type="checkbox"/> NEW WELL		
140 160 MEDIUM SAND AND SMALL GRAVEL			MODIFICATION/REPAIR		
160 180 LARGE GRAVEL AND COARSE SAND			— Deepen		
180 220 LARGE GRAVEL AND CLAY MIX			— Other (Specify)		
220 260 CLAY			DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")		
260 300 CLAY MIX, SMALL GRAVEL			PLANNED USES (✓)		
300 320 BLUE GRAY CLAY			WATER SUPPLY		
320 340 CLAY AND MEDIUM SAND, SMALL GRAVEL			— Domestic _____ Public _____		
340 380 SMALL GRAVEL			— Irrigation _____ Industrial _____		
380 400 COARSE SAND AND SMALL GRAVEL			MONITORING <input checked="" type="checkbox"/>		
400 420 MEDIUM SAND AND SMALL GRAVEL MIX			TEST WELL _____		
420 440 COARSE SAND AND GRAVEL			CATHODIC PROTECTION _____		
440 460 COARSE SAND AND GRAVEL STREAK			HEAT EXCHANGE _____		
460 480 GRAVEL AND COARSE SAND			DIRECT PUSH _____		
480 500 GRAVEL			INJECTION _____		
500 520 COARSE SAND AND SMALL GRAVEL			VAPOR EXTRACTION _____		
520 540 GRAVEL AND MEDIUM SAND			SPARGING _____		
540 560 MEDIUM SAND AND SMALL GRAVEL			REMEDICATION _____		
560 580 MEDIUM SAND MIX GRAVEL AND CLAY STREAK			OTHER (SPECIFY) _____		
580 595 GRAVEL			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.		
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.					
TOTAL DEPTH OF BORING <u>595</u> (Feet)					
TOTAL DEPTH OF COMPLETED WELL <u>580</u> (Feet)					

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)				ANNULAR MATERIAL					
Ft.	to Ft.		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE	TYPE			
0	540	14	BLANK	STEEL	6 5/8	.188		0	530	✓		
540	580	14	✓	STEEL	6 5/8	.188	0.05	530	585		✓	GRAVEL 8X16
580	585	14	✓	STEEL	6 5/8	.188						

ATTACHMENTS (✓)

- Geologic Log
- Well Construction Diagram
- Geophysical Log(s)
- Soil/Water Chemical Analysis
- 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 BRADLEY & SONS
 (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

3625 S. HIGHLAND DEL REY CA 93616
 ADDRESS CITY STATE ZIP

Signed Rebecca H. Dunn DATE SIGNED 03/19/04 C-57 LICENSE NUMBER 414178
 WELL DRILLER/AUTHORIZED REPRESENTATIVE

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
03505905
STATE WELL NO./STATION NO.
LATITUDE _____ LONGITUDE _____
APN/TRS/OTHER _____

Page 1 of 2
Owner's Well No. MW3-C No. **E005370**
Date Work Began 10/20/2003, Ended 10/22/2003
Local Permit Agency SAN JOAQUIN COUNTY ENV HEALTH
Permit No. SR0035657 Permit Date 10/18/2003

GEOLOGIC LOG			WELL OWNER	
ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE _____ (SPECIFY)	DRILLING METHOD <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> FLUID WATER	DESCRIPTION	WELL LOCATION	
DEPTH FROM SURFACE Ft. to Ft.	Describe material, grain, size, color, etc.		Address PEONY RD. AT CHATEAU LN	
0 20	CONDUCTOR		City TRACY CA	
20 40	GRAVEL MIX IN CLAY AND SMALL COBBLES		County SAN JOAQUIN	
40 60	MEDIUM SAND, GRAVEL AND SMALL CLAY STREAK		APN Book 244 Page 020 Parcel 24	
60 80	GRAVEL AND MEDIUM SAND		Township _____ Range _____ Section _____	
80 120	GRAVEL AND CLAY MIX		Latitude _____	
120 140	SMALL GRAVEL AND CLAY STREAK		DEG. MIN. SEC. DEG. MIN. SEC.	
140 160	MEDIUM SAND AND SMALL GRAVEL		LOCATION SKETCH	
160 180	LARGE GRAVEL AND COARSE SAND		NORTH	
180 220	LARGE GRAVEL AND CLAY MIX		ACTIVITY (✓)	
220 260	CLAY		<input checked="" type="checkbox"/> NEW WELL	
260 300	CLAY MIX, SMALL GRAVEL		MODIFICATION/REPAIR	
300 320	BLUE GRAY CLAY		— Deepen	
320 340	CLAY AND MEDIUM SAND, SMALL GRAVEL		— Other (Specify)	
340 380	SMALL GRAVEL		— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")	
380 400	COARSE SAND AND SMALL GRAVEL		PLANNED USES (✓)	
400 420	MEDIUM SAND AND SMALL GRAVEL MIX		WATER SUPPLY	
420 440	COARSE SAND AND GRAVEL		— Domestic _____ Public _____	
440 460	COARSE SAND AND GRAVEL STREAK		— Irrigation _____ Industrial _____	
460 480	GRAVEL AND COARSE SAND		MONITORING <input checked="" type="checkbox"/>	
480 500	GRAVEL		TEST WELL _____	
500 520	COARSE SAND AND SMALL GRAVEL		CATHODIC PROTECTION _____	
520 540	GRAVEL AND MEDIUM SAND		HEAT EXCHANGE _____	
540 560	MEDIUM SAND AND SMALL GRAVEL		DIRECT PUSH _____	
560 580	MEDIUM SAND MIX GRAVEL AND CLAY STREAK		INJECTION _____	
580 600	GRAVEL		VAPOR EXTRACTION _____	
600 620	COARSE SAND AND SMALL GRAVEL		SPARGING _____	
620 660	MEDIUM SAND MIX SMALL GRAVEL		REMEDICATION _____	
660 680	GRAVEL		OTHER (SPECIFY) _____	
680 700	MEDIUM SAND AND GRAVEL MIX		WATER LEVEL & YIELD OF COMPLETED WELL	
TOTAL DEPTH OF BORING 820 (Feet)		DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE		
TOTAL DEPTH OF COMPLETED WELL 815 (Feet)		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.		

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)				ANNULAR MATERIAL	
Ft. to Ft.	TYPE (✓)		MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE	TYPE
0 to 770	14	✓	STEEL	6 5/8	188			
760 to 810	14	✓	STEEL	6 5/8	188	0.05		
810 to 815	14	✓	STEEL	6 5/8	188		GRAVEL 8X16	

- ATTACHMENTS (✓)
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - 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 **BRADLEY & SONS**
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

3625 S. HIGHLAND DEL REY CA 93616
ADDRESS CITY STATE ZIP

Signed *Rebecca G. Dunn* 03/19/04 414178
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

Owner's Well No. MW3-C

Date Work Began 10/20/2003, Ended 10/22/2003

Local Permit Agency SAN JOAQUIN COUNTY ENV. HEALTH

Permit No. SR0035657 Permit Date 10/18/2003

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. **E005370**

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG			WELL OWNER																																																																																															
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720: 740	CLAY AND SMALL GRAVEL		County SAN JOAQUIN																																																																																															
740: 760	SMALL GRAVEL		APN Book 244 Page 020 Parcel 24																																																																																															
760: 780	GRAVEL AND CLAY STREAK, MEDIUM SAND		Township _____ Range _____ Section _____																																																																																															
780: 800	MEDIUM SAND AND SMALL GRAVEL		Latitude _____																																																																																															
800: 820	MEDIUM SAND, SMALL GRAVEL AND CLAY		DEG. MIN. SEC. DEG. MIN. SEC.																																																																																															
			<table border="1"> <tr> <th colspan="3">LOCATION SKETCH</th> <th colspan="3">ACTIVITY (✓)</th> </tr> <tr> <td colspan="3" rowspan="2">NORTH</td> <td colspan="3"><input checked="" type="checkbox"/> NEW WELL</td> </tr> <tr> <td colspan="3">MODIFICATION/REPAIR</td> </tr> <tr> <td colspan="3" rowspan="2">WEST</td> <td colspan="3">— Deepen</td> </tr> <tr> <td colspan="3">— Other (Specify)</td> </tr> <tr> <td colspan="3" rowspan="2">EAST</td> <td colspan="3">— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")</td> </tr> <tr> <td colspan="3">PLANNED USES (✓)</td> </tr> <tr> <td colspan="3" rowspan="2">SOUTH</td> <td colspan="3">WATER SUPPLY</td> </tr> <tr> <td colspan="3">— Domestic _____ Public _____</td> </tr> <tr> <td colspan="3" rowspan="2"> 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. </td> <td colspan="3">— Irrigation _____ Industrial _____</td> </tr> <tr> <td colspan="3">MONITORING <input checked="" type="checkbox"/></td> </tr> <tr> <td colspan="3" rowspan="2"></td> <td colspan="3">TEST WELL _____</td> </tr> <tr> <td colspan="3">CATHODIC PROTECTION _____</td> </tr> <tr> <td colspan="3" rowspan="2"></td> <td colspan="3">HEAT EXCHANGE _____</td> </tr> <tr> <td colspan="3">DIRECT PUSH _____</td> </tr> <tr> <td colspan="3" rowspan="2"></td> <td colspan="3">INJECTION _____</td> </tr> <tr> <td colspan="3">VAPOR EXTRACTION _____</td> </tr> <tr> <td colspan="3" rowspan="2"></td> <td colspan="3">SPARGING _____</td> </tr> <tr> <td colspan="3">REMEDICATION _____</td> </tr> <tr> <td colspan="3" rowspan="2"></td> <td colspan="3">OTHER (SPECIFY) _____</td> </tr> </table>			LOCATION SKETCH			ACTIVITY (✓)			NORTH			<input checked="" type="checkbox"/> NEW WELL			MODIFICATION/REPAIR			WEST			— Deepen			— Other (Specify)			EAST			— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")			PLANNED USES (✓)			SOUTH			WATER SUPPLY			— Domestic _____ Public _____			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.			— Irrigation _____ Industrial _____			MONITORING <input checked="" type="checkbox"/>						TEST WELL _____			CATHODIC PROTECTION _____						HEAT EXCHANGE _____			DIRECT PUSH _____						INJECTION _____			VAPOR EXTRACTION _____						SPARGING _____			REMEDICATION _____						OTHER (SPECIFY) _____		
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DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)						ANNULAR MATERIAL				
		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE	TYPE				
Ft. to Ft.		BLANK					Ft. to Ft.	CE-MENT	BEN-TONITE	FILL	FILTER PACK (TYPE/SIZE)	
0: 770	14	✓	STEEL	6 5/8	.188		0: 760	✓	✓	✓		
760: 810	14	✓	STEEL	6 5/8	.188	0.05	760: 815				GRAVEL 8X16	
810: 815	14	✓	STEEL	6 5/8	.188							

- ATTACHMENTS (✓)
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - 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 **BRADLEY & SONS**
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

3625 S. HIGHLAND DEL REY CA 93616
ADDRESS CITY STATE ZIP

Signed *Rebecca L. Dunn* DATE SIGNED 03/19/04 414178
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

Table A-1. (Continued)

Well Name	Installation Date	Geologic Horizon	Northing ^a	Easting ^a	Surface Elevation ^b (msl)	TOC ^b Elevation (msl)	Total Well Depth (ft bgs)	Screen Beginning Depth (ft bgs)	Screen End Depth (ft bgs)	Screen Beginning Elevation (ft msl)	Screen End Elevation (ft msl)	Well Diameter (inches)	Screen Slot Size (inches)	Well Type	Sample Method	Sample Elevation (ft msl)	Status
PZ7 ^d	6/5/2001	AU/U	2090392.48	6312458.1	49.13	48.76	18.5	13	18	36.13	31.13	1	0.01	PZ	NS		Well decommissioned March 2004.
PZ7R	7/23/2004	AU/U	2090393.41	6312493.2	48.96	48.62	18	--	--	35.96	30.96	0.75	0.01	PZ	NS		Replacement well for PZ7.
PZ8	6/6/2001	AU/U	2082408.4	6312422.1	67.37	67.17	19.5	14	19.0.0	53.37	48.37	1	0.01	PZ	NS		
PZ9	6/6/2001	AU/U	2077358.78	6307144.2	97.17	96.65	28	22.5	27.5	74.67	69.67	1	0.01	PZ	NS		
PZ10	6/6/2001	AU/U	2082333.5	6307142.9	80.26	80.07	31	25.5	30.5	54.76	49.76	1	0.01	PZ	NS		
PZ11	6/8/2001	AU/U	2077379.51	6301852.3	118.97	118.82	32	26.5	31.5	92.47	87.47	1	0.01	PZ	NS		
PZ12	6/8/2001	AU/U	2082453.96	6300833.9	102.27	102.11	64	58.5	63.5	43.77	38.77	1	0.01	PZ	NS		
PZ13	6/8/2001	AU/U	2090199.75	6307173.98	56.92	56.66	19.5	14	19	42.92	37.92	1	0.01	PZ	NS		
PZ14	6/7/2001	AU/U	2085211.76	6301863.13	86.36	86.24	23	31.8	36.8	54.56	49.56	1	0.01	PZ	NS		
PZ15	6/7/2001	AU/U	2087766.74	6301352.1	73.29	73.15	58	52.5	57.5	20.79	15.79	1	0.01	PZ	NS		
PZ16	6/7/2001	AU/U	2087771.01	6300674.5	73.86	73.72	30	24.5	29.5	49.36	44.36	1	0.01	PZ	NS		
PZ17	6/7/2001	AU/U	2090432.25	6301888.8	60.52	60.3	29	23.5	28.5	37.02	32.02	1	0.01	PZ	NS		
PZ18	7/20/2004	AU	2087741.57	6303906.6	69.41	72.58	35.5	--	--	39.41	34.41	1	0.02	PZ	NS		
PZ19	7/20/2004	AU	2087744.72	6303939.5	68.99	71.98	35.6	--	--	38.99	33.99	1	0.02	PZ	NS		
PZ20	7/20/2004	AU	2087741.47	6304014.2	69.17	72.31	35.5	--	--	39.17	34.17	1	0.02	PZ	NS		
PZ21	7/20/2004	AU	2087741.79	6304079.6	69	71.66	32.5	--	--	42	37	1	0.002	PZ	NS		
PZ22	7/21/2004	AU	2087740.35	6304152.5	69.34	72.5	32.5	--	--	42.34	37.34	1	0.02	PZ	NS		
PZ23	7/21/2004	AU	2087740.62	6304183.1	69.33	72.42	32.5	--	--	42.33	37.33	1	0.02	PZ	NS		
TW001	5/19/1986	UK	2083562.91	6302668.7	89.74	92.04	75	55	75	34.74	14.74	6	0.01	TW	NS		Decommission 9/19/08.
WSW004 ^e	1/1/1943	UK	2085939.36	6304177.6	--	--	--	--	--	--	--	--	--	WSW	NS		Well decommissioned.
WSW007	1/1/1950	UK	2080608.64	6301986.1	110.59	--	810	--	--	--	--	--	--	WSW	NS		Tracy Site water supply well not sampled as part of the Well Monitoring Program.
WSW008	11/25/1992	UK	2081541.12	6303080.1	101	--	905	--	--	--	--	18	--	WSW	NS		Tracy Site water supply well not sampled as part of the Well Monitoring Program.
WSW009	11/25/1992	UK	2082203.04	6303982.7	96.61	--	930	420	480	--	--	16	--	WSW	NS		Tracy Site water supply well not sampled as part of the Well Monitoring Program.

Geologic Section D-D'

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
01506E29F M
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Page ___ of ___
Owner's Well No. _____
Date Work Began _____, Ended _____
Local Permit Agency _____
Permit No. **91-1372** Permit Date _____

GEOLOGIC LOG

ORIENTATION (∠) _____ VERTICAL _____ HORIZONTAL _____ ANGLE _____ (SPECIFY)

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to Ft.	
0	5	Sandy soil
5	27	Clay
27	35	Sand/clay streaks
35	66	Sand
66	67	Clay

WELL OWNER

Address **2796 W. Undine Rd.**
City **Stockton**
County **San Joaquin**
APN Book **191** Page **170** Parcel **001**
Township **01S** Range **06E** Section **29 F**
Latitude _____ NORTH Longitude _____ WEST
DEG. MIN. SEC. NORTH Longitude DEG. MIN. SEC. WEST

LOCATION SKETCH
NORTH _____ SOUTH _____
WEST _____ EAST _____

ACTIVITY (∠)
 NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify) _____

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USE(S)
(∠)
___ MONITORING
WATER SUPPLY
 Domestic
___ Public
___ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify) _____

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

DRILLING METHOD **Rotary** FLUID **Bentonite**
WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH OF STATIC WATER LEVEL **13** (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.

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE					
		TYPE (∠)				MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)		GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	CE-MENT (∠)	BEN-TONITE (∠)	FILL (∠)	FILTER PACK (TYPE/SIZE)
0	40	12"	X											
40	60	12"	X				PVC	6"	160					sand/gravel

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.

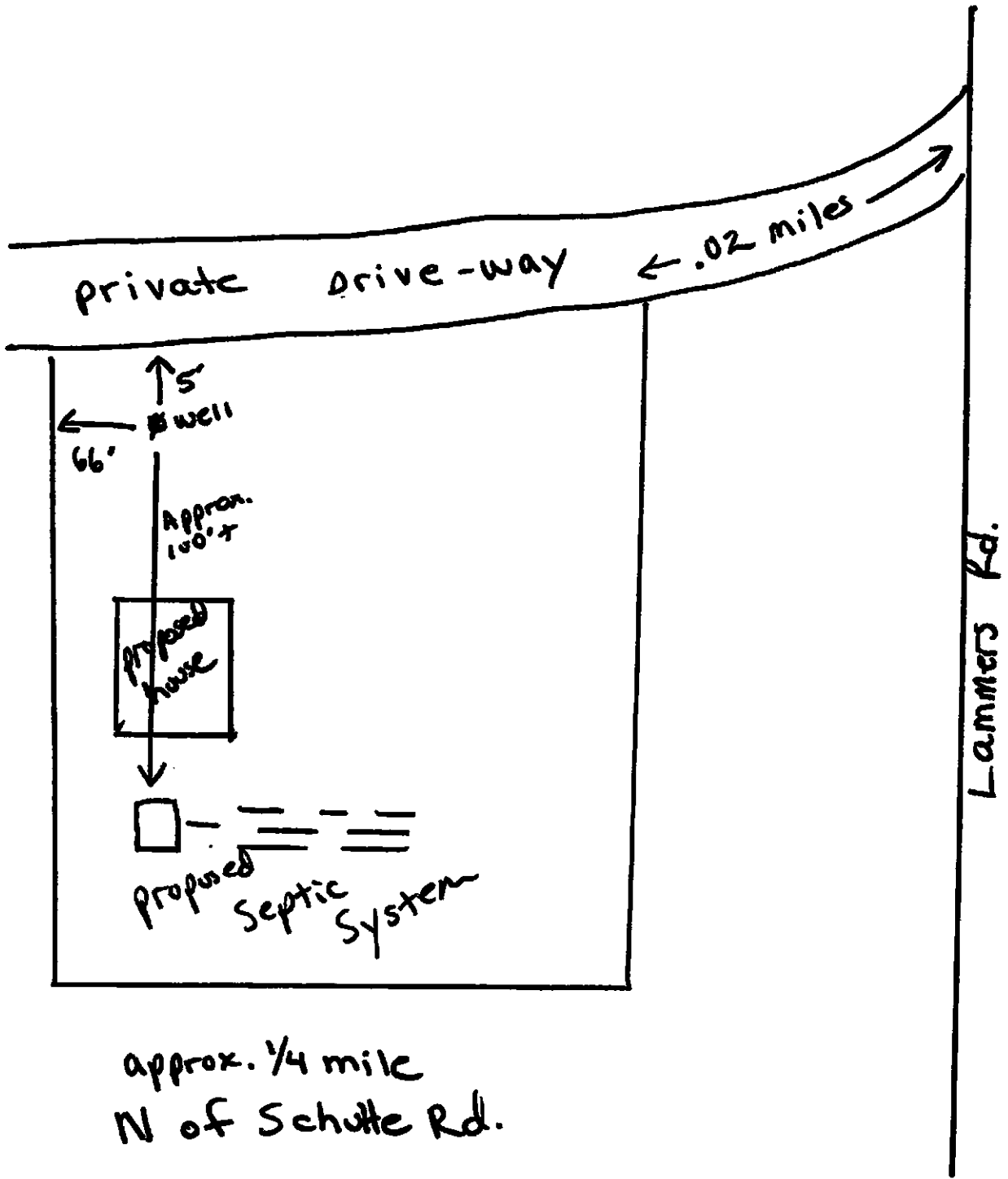
NAME **Hennings Bros. Drilling Co., Inc.**
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS **3525 Pelandale Ave.** Modesto CA 95356
CITY STATE ZIP

Signed **Madeline Paddy** 8-5-91 290813
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

8" PVC
est. 250' ↑
 N

LOC: 25267 S. Lammers Rd.
tracy



approx. 1/4 mile
N of Schutte Rd.

WELL LOG

County San Joaquin Owner _____ U.S. B.R. No. 25/4E 2-4-34H
 Dist. Delta Use stock Local No. None
 Quad. Tecla Driller Green & Berry Date December 1927
 Location 900' W, 2500' S, NE corner

Surf. Elev. 7220 Groundwater elev. 705 Date Dec. 1927
 Depth 273 Groundwater elev. _____ Date _____
 Yield _____ Aquifers _____
 Drawdown _____ Artesian head _____ Date _____
 Casing _____ Sand-gravel _____

Source of data Green & Berry's files Type drill Cable tool Diam. hole _____

Depth	Elev.	Description	
0-3		top soil	Well Measuring No. 2-4-34
3-24		sandy clay	
24-33		rock, gravel w/s hardst	No perforation log
33-35		hardst sand	
35-40		rock (gravel)	No pump test
40-51		clay	
51-91		stinky clay	No E-log
91-96		rock (gravel)	
96-150		hard clay	Collected by Wolfe in Modesto, March 22, 1951
150-152		rock (gravel)	
152-160		clay	
160-162		sandy clay	\$893.00 cost of drilling well plus casing etc.
162-168		brown shale (clay)	
168-175		blue shale (clay)	
175-180		clay and rock (gravel)	
180-209		blue clay	
209-215		clay	
215-250		blue shale	
250-252		hardst sand	
252-255		rock and sand	
255-265		hardst shale	
265-273		rock, shale and sand	

B	A
G	H
	3%

39-597

Division of Resources Planning
Water Well Construction and Sanitary Survey

State No. 2S / 4E-34H1 M.D. County _____
Investigation _____ G.W. Basin S.J. Valley No. 5-22
Region 5 U.S.G.S. Quad _____ Scale _____
Owner _____
Location 900' west of Hansen Road, 0.45 mile south of Schulte Road

Use <u>Stock - Domestic</u>	Depth <u>273'</u>	Diameter _____	Method of const. _____	Gravel Packed _____
1. Distance from contamination Source _____	<u>10'*</u>		Log <u>Yes</u>	Source <u>B-R</u>
2. Drainage toward casing away subject to flooding well pit _____	<u>X</u>		Log _____	Source _____
	<u>No</u>		Casing type _____	
3. Type of platform wood concrete metal pump mounted on casing not on casing _____	<u>X</u>		Casing seat _____	
			Casing depth _____	
			Type joint _____	
4. Height of casing above ground surface _____	<u>3"</u>		Annular seals _____	Depth _____
			Conductor pipe _____	Depth _____
5. Seal between casing and platform <u>Concrete</u>			Casing Reduction _____	
			Perforations type _____	
6. Seal between pump base and platform <u>No</u>			Remarks _____	

7. Seal between casing and down pipe (pump off-set) _____			_____	
			Mineral Analysis _____	Date _____
8. Well vent <u>No</u> if so, screened _____				
			Bacterial Analysis _____	Date _____
9. Measuring hole <u>No</u> if so, capped _____				
10. Evidence of oil leaking into well <u>NO- JET</u>				
11. Can bacterial sample be taken at well <u>No</u>				
12. Sample Point <u>Garden Tap at house</u>				
Remarks <u>*From animal yards</u>				

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN

02 50 5 E 22

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 2

Owner's Well No. _____ No. **819765**

Date Work Began **July 10, 2000**, Ended **July 21, 2000**

Local Permit Agency **San Joaquin Co. Health Dept.**

Permit No. **23267** Permit Date _____

GEOLOGIC LOG

WELL OWNER

ORIENTATION (°)		DRILLING METHOD		FLUID	
<input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE _____ (SPECIFY)		Mud Rotary		Bentonite & Water	
DEPTH FROM SURFACE		DESCRIPTION			
Fl.	to Fl.	Describe material, grain size, color, etc.			
0	2	Top Soil			
2	14	Clay			
14	19	Sand			
19	48	Clay			
48	65	Sand & Gravel			
65	104	Clay			
104	106	Sand			
106	110	Clay			
110	115	Clay & Sand Streaks			
115	120	Clay			
120	122	Sand			
122	127	Clay & Shale			
127	138	Clay			
138	140	Sand			
140	145	Clay & Shale			
145	148	Sand			
148	154	Clay			
154	160	Clay with Sand Streaks			
160	230	Clay & Shale			
230	320	Blue Clay			
320	322	Blue Sand			
322	330	Blue Clay			
330	332	Blue Sand			
332	338	Blue Clay			
338	343	Blue Sand			
343	347	Blue Clay			
347	349	Blue Sand			
349	355	Blue Clay			
355	362	Blue Shale			
362	412	Blue Clay			

WELL LOCATION

Address **23833 Chrisman Rd.**

City **Tracy**

County **San Joaquin**

APN Book **250** Page **140** Parcel **14**

Township _____ Range _____ Section _____

Latitude _____ NORTH _____ Longitude _____ WEST

LOCATION SKETCH

WEST EAST

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) _____

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.**

TOTAL DEPTH OF BORING **550** (Feet)

TOTAL DEPTH OF COMPLETED WELL **520** (Feet)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER **90'** (Fl.) BELOW SURFACE

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

ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____

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

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

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)								
		TYPE (°)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	
Fl.	to Fl.	BLANK	SCREEN	CON. DUCTOR	FILL PIPE					
0	100	14"	X				PVC	8"	160C1	
100	300	14"	X				PVC	8"	200C1	
300	480	14"	X				PVC	8"	160C1	
480	520	14"		X			PVC	8"	160C1	45/1000

DEPTH FROM SURFACE	ANNULAR MATERIAL TYPE			
	CE-MENT (°)	BEN-TONITE (°)	FILL (°)	FILTER PACK (TYPE/SIZE)
0	200		X	
200	520		X	Sand/Gravel

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 **HENNINGS BROS. DRILLING CO., INC.**
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS **3525 PELANDALE AVE. MODESTO CA 95356-9781**

Signed **Catharine Wenzel** CITY STATE ZIP
WELL DRILLER/AUTHORIZED REPRESENTATIVE JULY 26, 2000 290813
DATE SIGNED C-57 LICENSE NUMBER

ORIGINAL
File with DWR

Page 2 of 2

Owner's Well No. _____

Date Work Began _____, Ended _____

Local Permit Agency _____

Permit No. _____ Permit Date _____

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. **819765**

pg. 2

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.	
LATITUDE	LONGITUDE
APN/TRS/OTHER	

GEOLOGIC LOG

WELL OWNER

ORIENTATION () VERTICAL HORIZONTAL ANGLE _____ (SPECIFY)

DEPTH FROM SURFACE _____ DRILLING METHOD _____ FLUID _____

DEPTH FROM SURFACE		DESCRIPTION
Ft.	to Ft.	
412	420	Blue Sand
420	435	Blue Clay
435	445	Blue Sand
445	484	Blue Clay
484	494	Clay
494	497	Sand
497	500	Clay
500	509	Sand
509	512	Clay
512	516	Sand
516	550	Clay

WELL LOCATION

Address _____
City _____
County _____
APN Book _____ Page _____ Parcel _____
Township _____ Range _____ Section _____
Latitude _____ NORTH Longitude _____ WEST
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

WEST EAST

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) _____

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

TOTAL DEPTH OF BORING _____ (Feet)
TOTAL DEPTH OF COMPLETED WELL _____ (Feet)

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.

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

DEPTH FROM SURFACE	ANNULAR MATERIAL				
	TYPE				
Ft.	to Ft.	CE-MENT ()	BEN-TONITE ()	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 _____
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS _____ CITY _____ STATE _____ ZIP _____

Signed _____
WELL DRILLER/AUTHORIZED REPRESENTATIVE

DATE SIGNED _____ C-57 LICENSE NUMBER _____

819765

GEO-HYDRO-DATA

INCORPORATED

GROUNDWATER LOG

OTHER SERVICES:
INVOICE
11258
1000-D

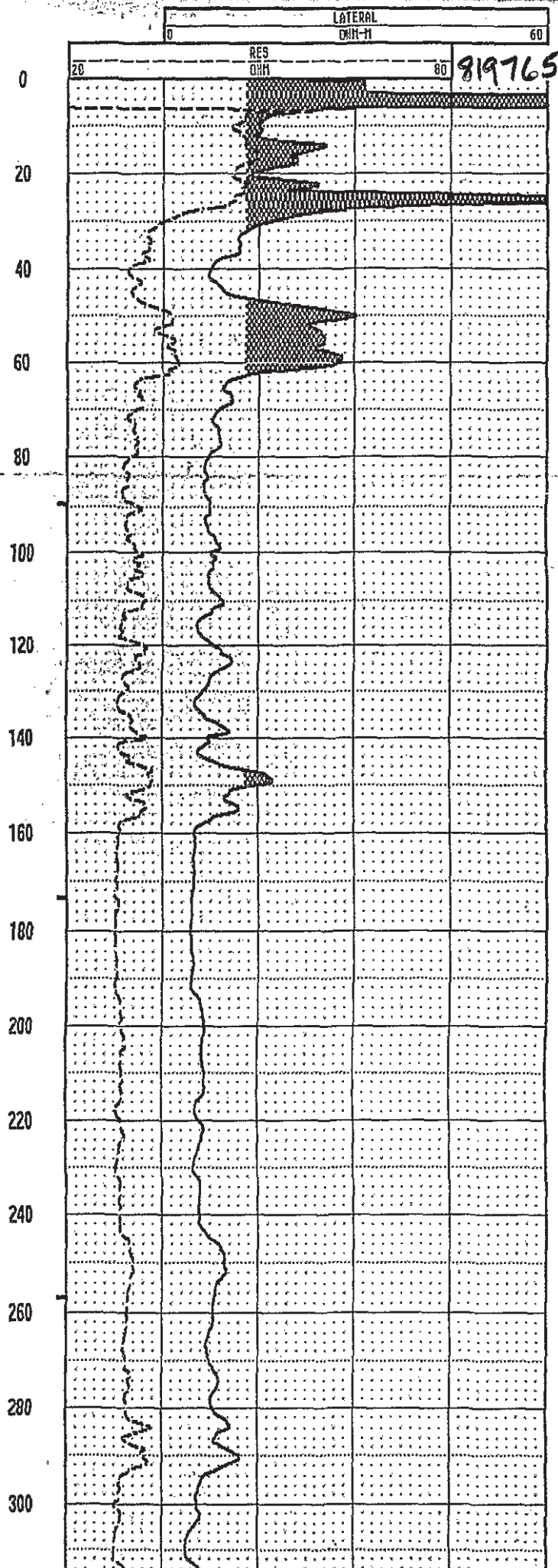
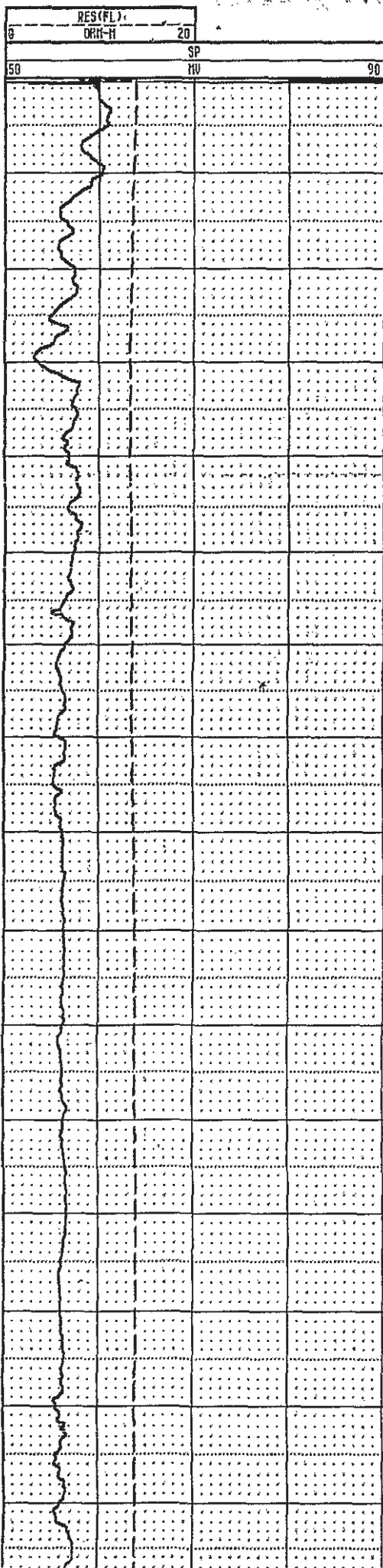
COMPANY : NAUARRA BROS.
 WELL : 3
 LOCATION/FIELD : TRACY/CHRISMAN AND 11TH
 COUNTY : SAN JOAQUIN
 STATE : CA.
 SECTION : N/A
 TOWNSHIP : N/A
 RANGE : N/A

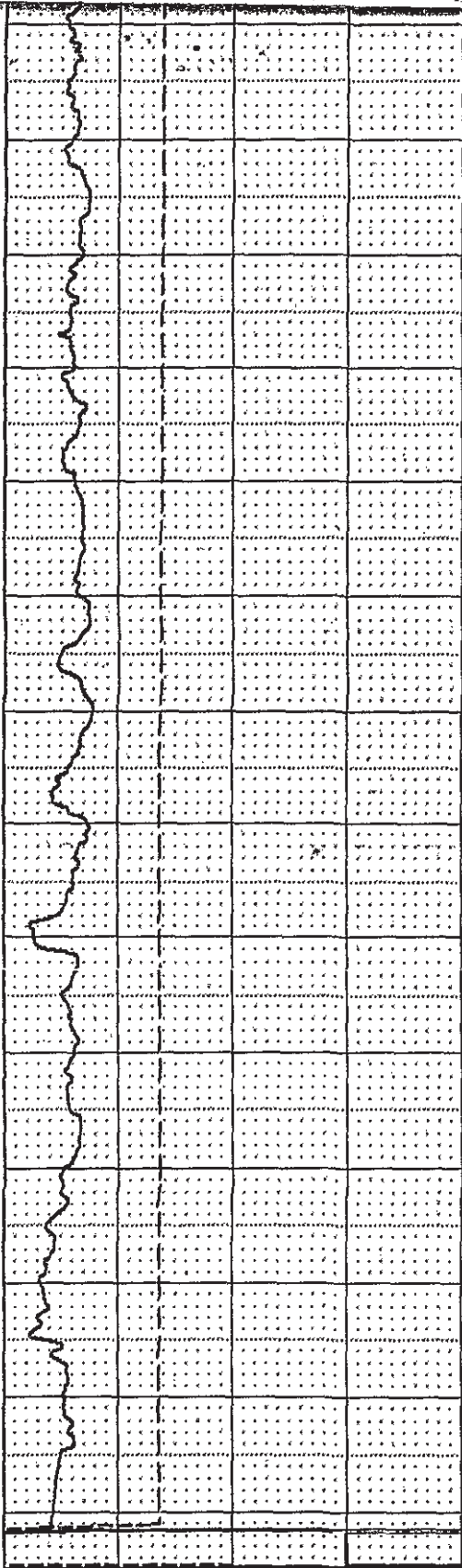
DATE : 07/12/00
 DEPTH DRILLER : 533 FEET
 LOG BOTTOM : 549.60
 LOG TOP : 0.40
 PERMANENT DATUM : G.L.
 ELEV. PERM. DATUM : G.L.
 LOG MEASURED FROM : G.L.
 DRL MEASURED FROM : G.L.
 ELEVATIONS
 KB : N/A
 DF : N/A
 GL : N/A

CASING DRILLER : -
 CASING TYPE : -
 CASING THICKNESS : -
 LOGGING UNIT : 4
 FIELD OFFICE : CLEMENTS, CA
 RECORDED BY : D. SHANHOLTZR

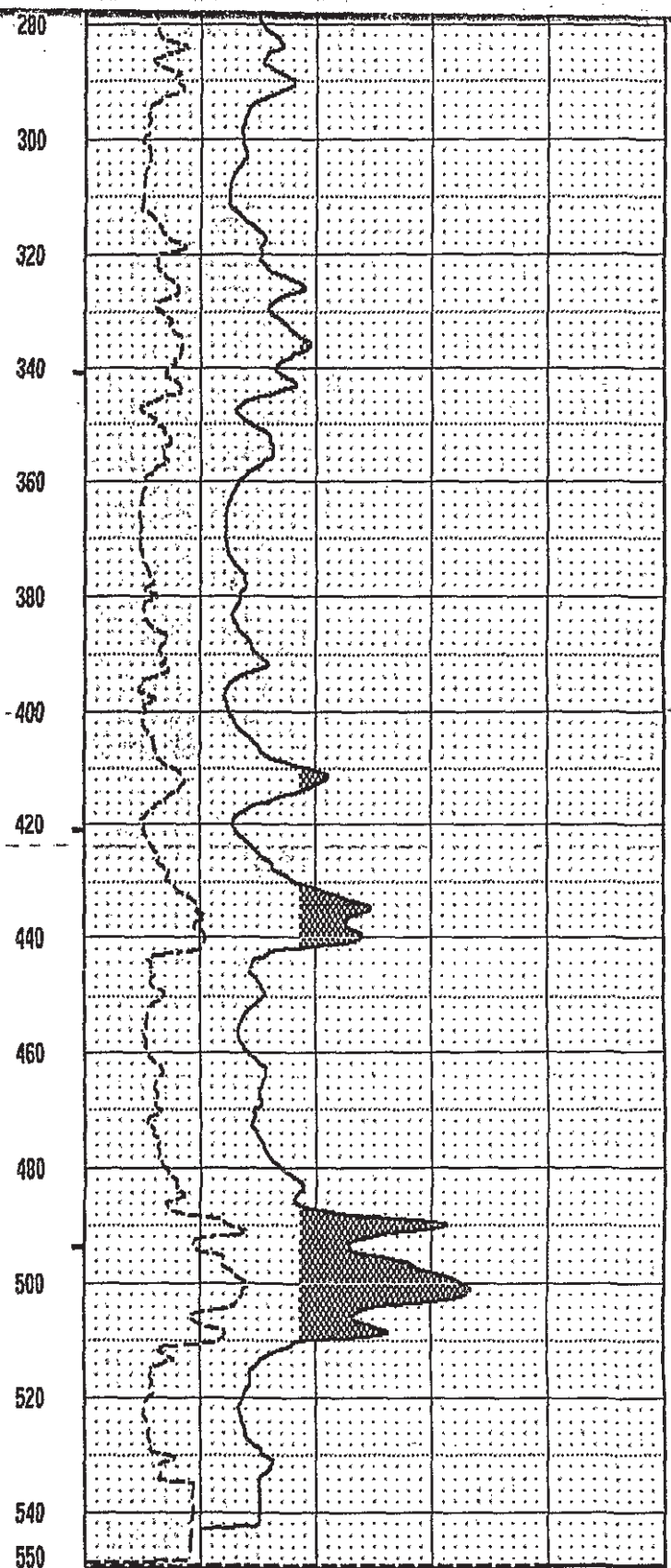
BIT SIZE : 8
 MAGNETIC DECL. : -
 MATRIX DENSITY : -
 FLUID DENSITY : -
 NEUTRON MATRIX : N/A
 BOREHOLE FLUID : CLAY/GEL
 RM : -
 RM TEMPERATURE : -
 MATRIX DELTA T : -
 FLUID DELTA T : -
 FILE : ORIGINAL
 TYPE : 9041A
 LOG : 2
 PLOT : 1 4
 THRESH : 5000

DRILL-HENNINGS BROS. MODESTO, CA.
 WATER QUALITY-ABOVE 200'-VERY POOR-1000-1200, BELOW-FAIR-600-800 PPM TDS
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





50 90 90
 0 DM-H 20
 RES (FL)



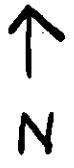
819765

20 DMH 88 60
 RES
 0 DM-H
 LATERAL

E0419W

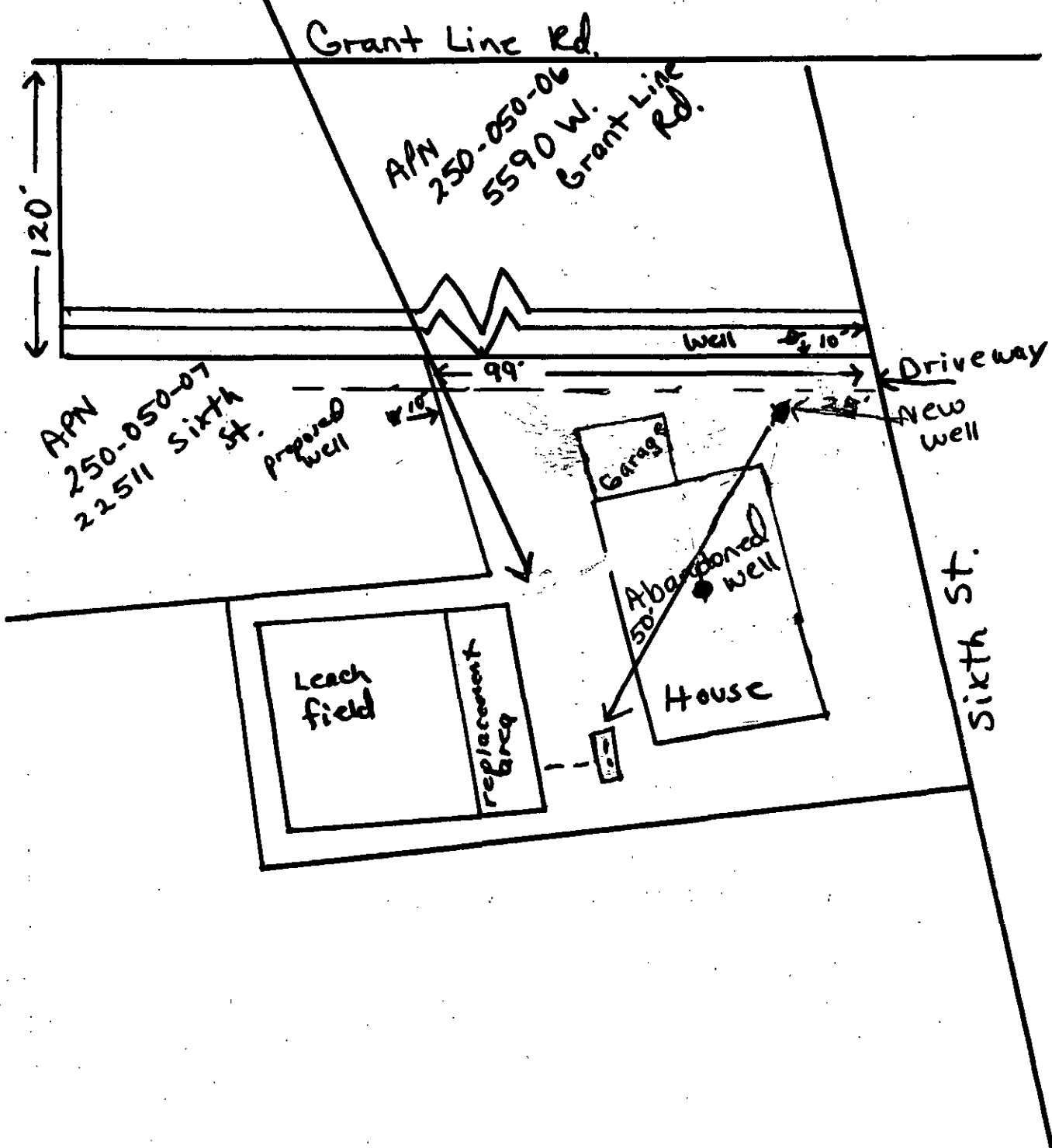
tina Duncan

6" PVC
est. 500'



LOC: 225A Sixth St.

tracy APN 250-050-08



WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS

JAN 22 1982

DIVISION OF WATER RESOURCES

39-1139

ON NOT CHECKED
 Do Not Fill In

Well No. _____

Other Well No. _____

Region _____

(1) DRILLER: (person, firm, or corporation)

Name W. H. Hurd

Address Box 3 Patterson Cal

OV _____
 No _____
 Ad _____

Proposed Use (Check)		Equipment	
Domestic	<input checked="" type="checkbox"/>	Rotary	<input type="checkbox"/>
Irrigation	<input type="checkbox"/>	Cable	<input checked="" type="checkbox"/>
Municipal	<input type="checkbox"/>	Dug Well	<input checked="" type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>
Test Well	<input type="checkbox"/>		
Other	<input type="checkbox"/>		

(3) CASING:

60	ft. of	7	in	1.9	lb./sq. casing	60	left in well
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"

Type and size of shoe or well ring collar welded on bottom

(4) PERFORATIONS:

Type of perforator used	Perforated	ft. to	ft. below	holes per	in.
<u>Fracture</u>	18	ft. to	10	holes per	in.
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

(5) WATER LEVELS:

Was electric log made of well? Yes No If yes, attach copy.
 Depth at which water was first found 11 ft.
 Standing level before perforating 11 ft.
 Standing level after perforating 11 ft.
 Note your observation of any change in water level while drilling no change
 Was a surface sanitary seal provided? casings sealed

(6) WELL PUMPING TEST:

Capacity _____ gal./min. _____ ft. draw down
 Was well gravel packed? _____
 Were any strata sealed against pollution? _____
 Temperature _____ Was a chemical analysis made? _____ Attach copy _____
 If abandoned was well capped? _____

(7) TYPE OF WORK (check):

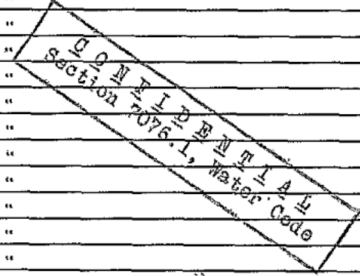
New well Reconditioning of well
 Deepening existing well

(8) LOCATION OF WELL:

County San Joaquin
 R. F. D. or Street No. Boards, welding and machine shops
well south east corner of shops

(9) WELL LOG:

Total depth of well _____ ft.		Formation: Mention size of water gravel—	
ft. to	ft.		
0	12	soft dirt	
12	24	fine gravel and sand	
24	37	yellow clay	
37	40	light sand with pieces of gravel	
40	60	dark gravel and small gravel	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	



FOR OFFICIAL USE ONLY

Work started July 14 1982 Completed July 16 1982
 Date of Report Aug 18 1982

WELL DRILLER'S STATEMENT:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 [SIGNED] W. H. Hurd
 Well Driller

By _____ License No. _____ Classification _____
 Dated _____, 19 _____
 46370 7-51 30M QUIN © SPO

ORIGINAL

File with DWR

STATE OF CALIFORNIA THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 145635

of Intent No. Permit No. or Date

State Well No. Other Well No. 2S/SE-31A/4

(1) Address: City

(2) LOCATION OF WELL (See instructions):

County San Joaquin Owner's Well Number Well address if different from above Township Range Section Distance from cities, roads, railroads, fences, etc. 13203 W. Valpico Rd. - East of Lammers Rd.

(12) WELL LOG: Total depth 83 ft. Depth of completed well 83 ft. from ft. to ft. Formation (Describe by color, character, size or material)

Table with 3 columns: Depth (ft.), Depth (ft.), Formation. Rows: 0-10 Clay, 10-17 Gravel, 17-23 Clay, 23-31 Gravel, 31-49 Clay, 49-53 Gravel, 53-70 Clay, 70-80 Gravel, 80-83 Clay.

(3) TYPE OF WORK:

New Well [X] Deepening [] Reconstruction [] Reconditioning [] Horizontal Well []

Destruction [] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic [] Irrigation [] Industrial [] Test Well [] Stock [] Municipal [] Other heat pump [X]

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary [X] Reverse [] Cable [] Air [] Other [] Bucket []

(6) GRAVEL PACK:

Yes [X] No [] Size birdseye Diameter of bore 1 1/2 Packed from 50 to 83 ft.

(7) CASING INSTALLED:

Steel [] Plastic [X] Concrete []

(8) PERFORATIONS:

Type of perforation or size of screen

Table with 7 columns: From ft., To ft., Dia. in., Gage or Wall, From ft., To ft., Slot size. Row: 0, 83, 6, 160, 68, 83, hand cut.

(9) WELL SEAL:

Was surface sanitary seal provided? Yes [X] No [] If yes, to depth 50 ft. Were strata sealed against pollution? Yes [] No [] Interval Method of sealing Bentonite

Work started 2-2-1978 Completed 19

(10) WATER LEVELS:

Depth of first water, if known Standing level after well completion

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(11) WELL TESTS:

Was well test made? Yes [] No [X] If yes, by whom? Type of test Pump [] Bailer [] Air lift [] Depth to water at start of test At end of test Discharge gal/min after hours Water temperature

SIGNED Madeline Roddy Sec. (Well Driller) NAME Hennings Bros. Drilling Co., Inc. (Person, firm, or corporation) (Typed or printed) Address 3525 Pelandale Ave. City Modesto, Ca. Zip 95350 License No. 290813 Date of this report 2-14-78

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

M

DWR USE ONLY — DO NOT FILL IN

02505E120

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 1

Owner's Well No. MW#1A

No. **788418**

Date Work Began 8/5/02, Ended 8/9/02

Local Permit Agency SAN JOAQUIN CO ENV HEALTH

Permit No. SRO030323 Permit Date 6/27/02

GEOLOGIC LOG

ORIENTATION (✓) VERTICAL HORIZONTAL ANGLE (SPECIFY)
DRILLING METHOD ROTARY FLUID WATER

DEPTH FROM SURFACE		DESCRIPTION
Ft.	to Ft.	
0	20	BASE ROCK AND CLAY
20	40	SMALL AND 3/8" GRAVEL
40	80	SMALL GRAVEL AND BROWN CLAY
80	100	BROWN CLAY
100	160	BROWN CLAY AND SMALL GRAVEL
160	280	BROWN CLAY AND 3/8" GRAVEL
280	300	GRAY CLAY AND 3/8" ROCK
300	480	GRAY CLAY

CITY _____ STATE _____ ZIP _____

WELL LOCATION

Address WEST ELEVENTH ST. E. CORRAL HOLLOW

City TRACY CA

County SAN JOAQUIN

APN Book 232 Page 170 Parcel 18

Township _____ Range _____ Section _____

Latitude _____ DEG. MIN. SEC.

LOCATION SKETCH

NORTH

WEST EAST

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

REMEDICATION

OTHER (SPECIFY) _____

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.

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER _____ (FL.) BELOW SURFACE

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

ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____

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

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

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
		TYPE (✓)	BLANK	SCREEN	CONDUCTOR				
0	428	14	✓			STEEL	6.5/8	.188	
428	468	14	✓			STEEL	6.5/8	.188	0.050

DEPTH FROM SURFACE	ANNULAR MATERIAL TYPE				
		CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	400	✓			
400	480			✓	8/16 SILICA

ATTACHMENTS (✓)

Geologic Log

Well Construction Diagram

Geophysical Log(s)

Soil/Water Chemical Analysis

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 BRADLEY & SONS
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

17702 BALDWIN MADERA CA 93638
ADDRESS CITY STATE ZIP

Signed Debra J. Quinn DATE SIGNED 10/21/02 C-57 LICENSE NUMBER 414178
WELL DRILLER/AUTHORIZED REPRESENTATIVE

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Owner's Well No. **MW6-A**

No. **E005366**

Date Work Began **1/9/2004**, Ended **1/15/2004**

Local Permit Agency **SAN JOAQUIN COUNTY ENV. HEALTH**

Permit No. **SR0035977** Permit Date **11/7/2003**

DWR USE ONLY — DO NOT FILL IN

02505633

STATE WELL NO./STATION NO.

LATITUDE _____ LONGITUDE _____

APN/TRS/OTHER _____

GEOLOGIC LOG

ORIENTATION (✓)		DRILLING METHOD		FLUID WATER	
<input checked="" type="checkbox"/> VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)		ROTARY		WATER	
DEPTH FROM SURFACE		DESCRIPTION			
Ft.	to Ft.	Describe material, grain, size, color, etc.			
0	20	CONDUCTOR			
20	40	CLAY AND FINE SAND			
40	60	MEDIUM SAND			
60	80	CLAY AND FINE SAND			
80	100	FINE SAND			
100	140	FINE SAND AND CLAY STREAK			
140	160	MEDIUM SAND AND SMALL GRAVEL			
160	300	SILTY CLAY			
300	320	SILTY FINE SAND			
320	400	SILTY CLAY			
400	460	MEDIUM AND FINE SAND			
460	465	MEDIUM AND COARSE SAND/CLAY STREAKS			

WELL OWNER

WELL LOCATION

Address **311 E. LARCH ROAD**

City **TRACY CA 95304**

County **SAN JOAQUIN**

APN Book **212** Page **230** Parcel **05**

Township _____ Range _____ Section _____

Latitude _____

DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

NORTH

WEST EAST

SOUTH

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) _____

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.**

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.

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)				ANNULAR MATERIAL							
Ft.	to Ft.		TYPE (✓)				TYPE							
Ft.	to Ft.		BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	410	14	✓				STEEL	6 5/8	0.188		✓	✓	✓	
410	450	14		✓			STEEL	6 5/8	0.188	0.05				
450	455	14	✓				STEEL	6 5/8	0.188				✓	GRAVEL 8X16

ATTACHMENTS (✓)

- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - 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 **BRADLEY & SONS**

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

3625 S. HIGHLAND DEL REY CA 93616

ADDRESS CITY STATE ZIP

Signed *Roberta A. Dunn* DATE SIGNED **03/19/04** 414178 C-57 LICENSE NUMBER

WELL DRILLER/AUTHORIZED REPRESENTATIVE

ORIGINAL 500 W Arbor Ave
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY NOT FILL IN
0250SE76
STATE WELL NO/S ATION NO
LATTITUDE _____ LONGITUDE _____
APN/TRS/OTHER _____

Page 1 of 1

Owner's Well No MW6 B No **E005367**

Date Work Began 1/11/2004 Ended 1/13/2004

Local Permit Agency SAN JOAQUIN COUNTY ENV HEALTH
Permit No SR0035977 Permit Date 11/7/2003

GEOLOGIC LOG

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

DRILLING METHOD ROTARY FLUID WATER

DEPTH FROM SURFACE _____ DESCRIPTION
Fl. to Fl. Describe material grain, size color etc

0	20	CONDUCTOR
20	40	CLAY AND FINE SAND
40	60	MEDIUM SAND
60	80	CLAY AND FINE SAND
80	100	FINE SAND
100	140	FINE SAND AND CLAY STREAK
140	160	MEDIUM SAND AND SMALL GRAVEL
160	300	SILTY CLAY
300	320	SILTY FINE SAND
320	400	SILTY CLAY
400	460	MEDIUM AND FINE SAND
460	500	MEDIUM SAND AND CLAY
500	520	MEDIUM AND COARSE SAND
520	540	COARSE SAND AND GRANITE
540	560	GRAVEL MIX AND CLAY
560	580	MEDIUM SAND AND SMALL GRAVEL
580	600	FINE AND MEDIUM SAND
600	620	MEDIUM SAND AND SMALL GRAVEL
620	645	COARSE SAND AND SMALL GRAVEL

WELL LOCATION
Address 311 E LARCH ROAD
City TRACY CA 95304
County SAN JOAQUIN
APN Book 212 Page 230 Parcel 05
Township _____ Range _____ Section _____
Latitude _____

DEG MIN SEC LOCATION SKETCH NORTH
WEST EAST
SOUTH
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

DEPTH FROM SURFACE Ft. to Ft.	BORE HOLE DIA (Inches)	CASING (S)									
		BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)		
0	590	14	✓					STEEL	6 5/8	0.188	
590	630	14		✓				STEEL	6 5/8	0.188	0.05

DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE				
	CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)	
0	560	✓			
560	635			✓	GRAVEL 8X16

- ATTACHMENTS (✓)**
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - 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 BRADLEY & SONS
(PERSON FIRM OR CORPORATION) (TYPED OR PRINTED)
3625 S-HIGHLAND DEL REY CA 93616
ADDRESS CITY STATE ZIP
Signed Rebecca L Dunn 03/19/04 414178
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

ORIGINAL 500 W Arber Ave
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY -- DO NOT FILL IN
02505E16
STATE WELL NO / STATION NO
LATTITUDE _____ LONGITUDE _____
APN/TRS/OTHER _____

Page 1 of 1

Owner's Well No MW6 C No **E005368**

Work Began 1/26/2004 Ended 1/28/2004

Local Permit Agency SAN JOAQUIN COUNTY ENV. HEALTH
Permit No SR0035977 Permit Date 11/7/2003

GEOLOGIC LOG

ORIENTATION (✓) VERTICAL HORIZONTAL ANGLE _____ (SPECIFY) _____
DRILLING METHOD ROTARY FLUID WATER _____

DEPTH FROM SURFACE		DESCRIPTION
Ft.	to Ft.	
0	20	CONDUCTOR
20	40	CLAY AND FINE SAND
40	60	MEDIUM SAND
60	80	CLAY AND FINE SAND
80	100	FINE SAND
100	140	FINE SAND AND CLAY STREAK
140	160	MEDIUM SAND AND SMALL GRAVEL
160	300	SILTY CLAY
300	320	SILTY FINE SAND
320	400	SILTY CLAY
400	460	MEDIUM AND FINE SAND
460	500	MEDIUM SAND AND CLAY
500	520	MEDIUM AND COARSE SAND
520	540	COARSE SAND AND GRANITE
540	560	GRAVEL MIX AND CLAY
560	580	MEDIUM SAND AND SMALL GRAVEL
580	600	FINE AND MEDIUM SAND
600	620	MEDIUM SAND AND SMALL GRAVEL
620	640	MEDIUM SAND COARSE SAND AND SMALL GRAVEL
640	660	SILTY CLAY
660	720	SILTY CLAY MIX FINE AND MEDIUM SAND
720	760	CLAY AND MEDIUM SAND
760	800	MEDIUM AND COARSE SAND
800	820	CLAY AND COARSE SAND MIX

WELL LOCATION
Address 311 E LARCH ROAD
City TRACY CA 95304
County SAN JOAQUIN
APN Book 212 Page 230 Parcel 05
Township _____ Range _____ Section _____
Latitude _____
DEG MIN SEC
LOCATION SKETCH
NORTH _____
WEST _____ EAST _____ SOUTH _____
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

DEPTH FROM SURFACE	BORE HOLE DIA (Inches)	CASING (S)					
		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	
0	755	14	✓	STEEL	6 5/8	0.188	
755	795	14	✓	STEEL	6 5/8	0.188	0.05
795	800	14	✓	STEEL	6 5/8	0.188	

DEPTH FROM SURFACE	ANNULAR MATERIAL				
	TYPE				
0	730	CE MENT (✓)	BEN TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
730	800			✓	GRAVEL 8X16

- ATTACHMENTS (✓)**
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - 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 BRADLEY & SONS
(PERSON FIRM OR CORPORATION) (TYPED OR PRINTED)
3625 S. HIGHLAND DEL REY CA 93616
ADDRESS CITY STATE ZIP
Signed Rebecca H. Dunn 03/19/04 414178
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER



ZIM INDUSTRIES, INC.

4545 E. Lincoln • Fresno, CA 93725

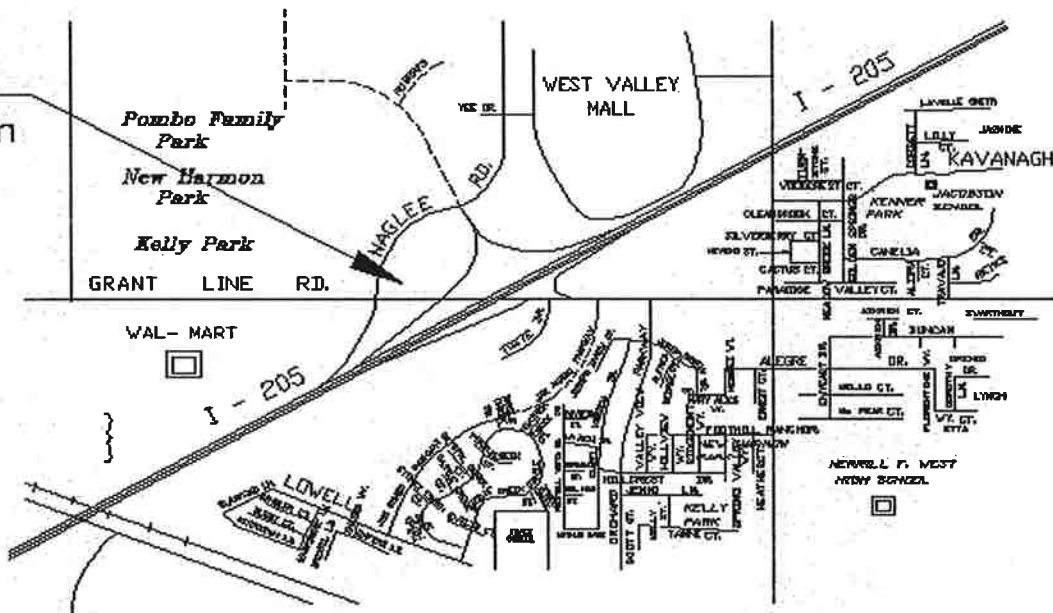
Fax Cover Sheet

To: Company: _____
 Attention: Richard Slatz
 Fax No: 916-852-6385
 Date: 12-14-01
 Subject: TRACY park & Ride well

From: Sender: Brian Z.
 # of Pages: 10
 (including cover sheet)

Screen sections	1196-1176
	1122-1014
	982-966
	796-774
	754-738
	678-656
	636-610
	598-550

Project Location





ELECTRIC LOG

FILING NO. _____ COMPANY ZIM INDUSTRIES INC.
 WELL PARK & RIDE TEST WELL
 FIELD CITY OF TRACY
 COUNTY SAN JOAQUIN STATE CALIFORNIA
 LOCATION: GRANT LINE ROAD & HWY 205 OTHER SERV: 6' LATERAL

JOB NO.
34326

SEC _____ TWP _____ RGE _____

Permanent Datum: G.L. Elev: _____
 Log Measured From G.L. Ft Above Perm Datum _____
 Drilling Measured From G.L.

K.B. _____
 D.F. _____
 G.L. _____

Date	OCT. 15, 2001	OCT. 15, 2001	
Run No.	TWO (E-LOG)	TWO (LATERAL)	
Depth - Driller	1240'	1240'	
Depth - Logger	1242'	1242'	
Btm. Log Inter.	1241'	1241'	
Top Log Inter.	50'	50'	
Casing-Driller	36" at 50'	36" at 50'	at
Casing-Logger	36" at 50'	36" at 50'	at
Bit Size	17.5"	17.5"	
Type Fluid In Hole	BENT/POLY.	BENT/POLY.	
Dens.	Visc.	N/A	N/A
pH	Fluid Loss	N/A ml	N/A ml
Source of Sample	PIT	PIT	
Rm at Meas.Temp	12.6 at 75 F	12.6 at 75 F	at F
Rmf at Meas.Temp	N/A at F	N/A at F	at F
Rmc at Meas.Temp	N/A at F	N/A at F	N/A at F
Source: Rmf Rmc	MEAS	MEAS	MEAS
Rm at BHT	N/A at F	N/A at F	N/A at F
Time Since Circ.	N/A	N/A	
Max. Rec. Temp.	N/A	N/A	F
Equip	Location	L-22 SNS	L-18 SNS
Recorded By	SHARPLESS	SHARPLESS	
Witnessed By	K. WORSTER	K. WORSTER	

This Heading and Log Conform To API RP 31

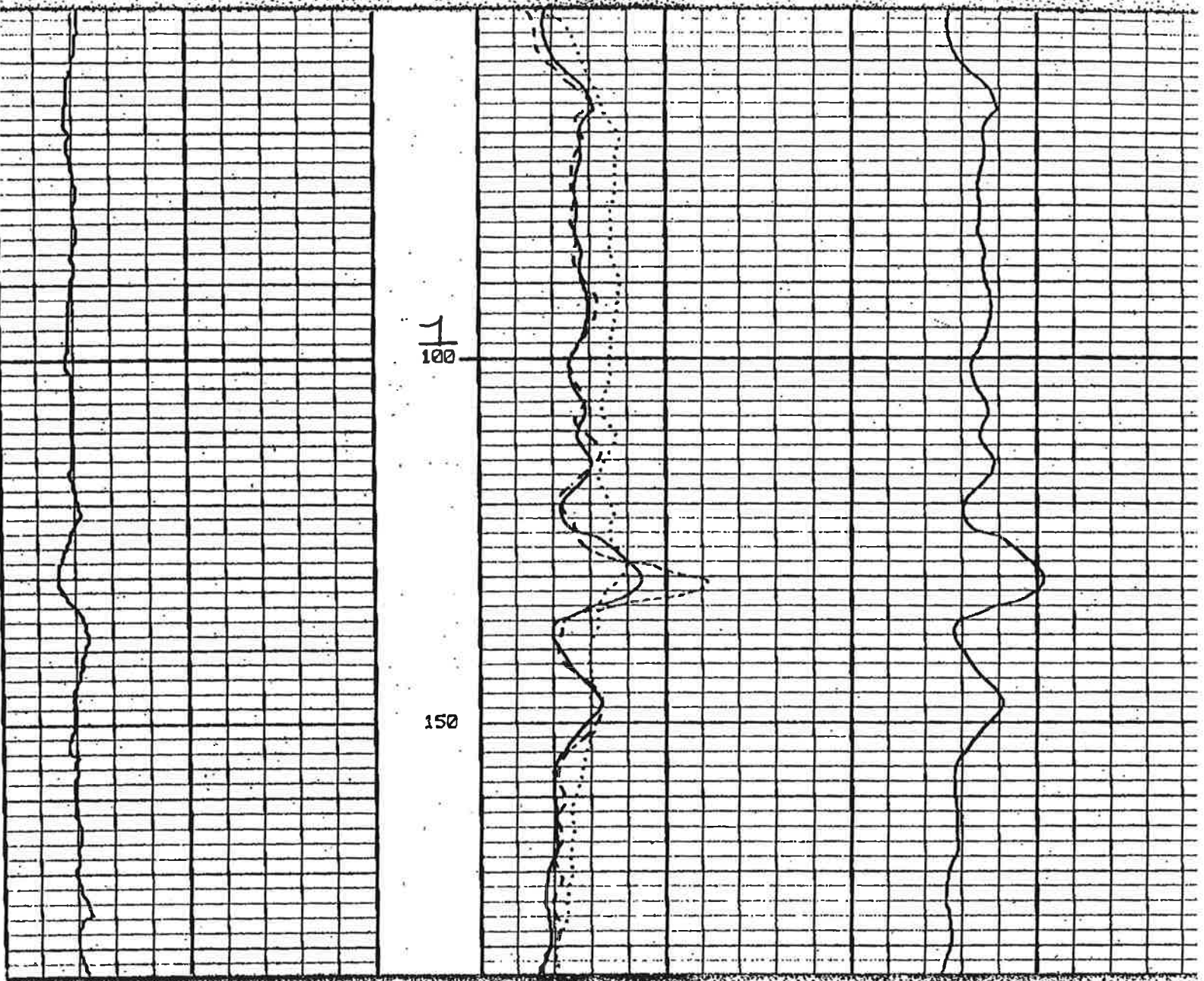
Fold Here

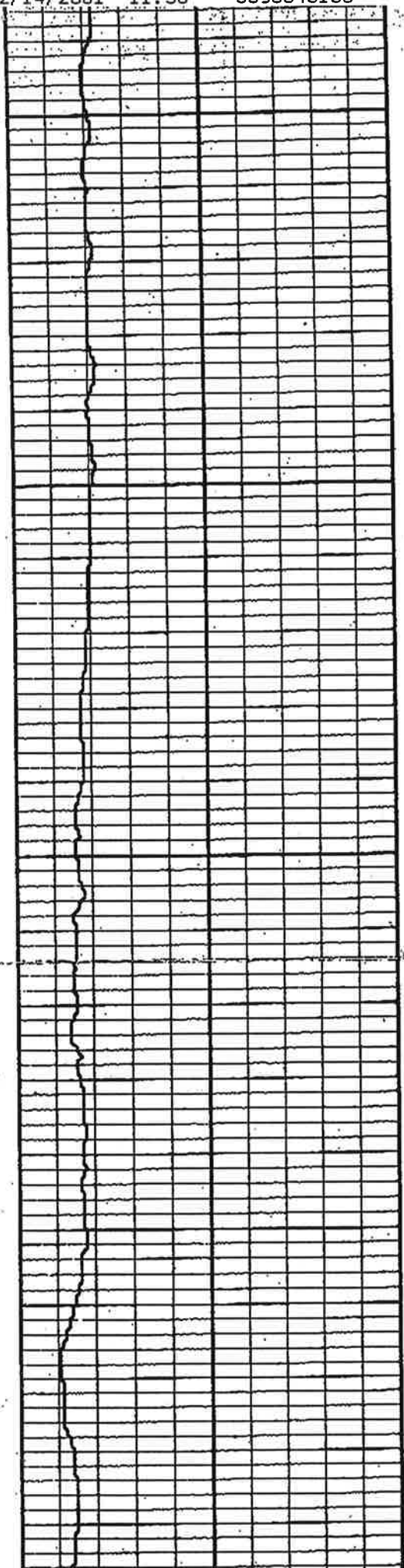
Changes in Mud Type or Additional Samples		Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth-Driller					
Type Fluid in Hole					
Dens.	Visc.				
ph	Fluid Loss	ml		ml	
Source of Sample					
Rm at Meas. Temp.		at	F	Run No.	Tool Type
Rmf at Meas. Temp.		at	F	ONE	ELECTRIC
Rmc at Meas. Temp.		at	F		
Source: Rmf Rmc					
Rm at BHT		at	F		
Rmf at BHT		at	F		
Rmc at BHT		at	F		

REMARKS: WELL DRILLED BY ZIM INDUSTRIES, INC.

6' LATERAL SUPERIMPOSED OVER 16-64" NORMALS. PRESENTED AS A DASHED CURVE

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohmeters ² /meter	RESISTANCE ohms
	0	SHORT NORMAL 16 Inch	50
	0	x10 BACK UP	500
	0	LONG NORMAL 64 Inch	50
	0	x10 BACK UP	500
	50		SINGLE POINT Detail Curve



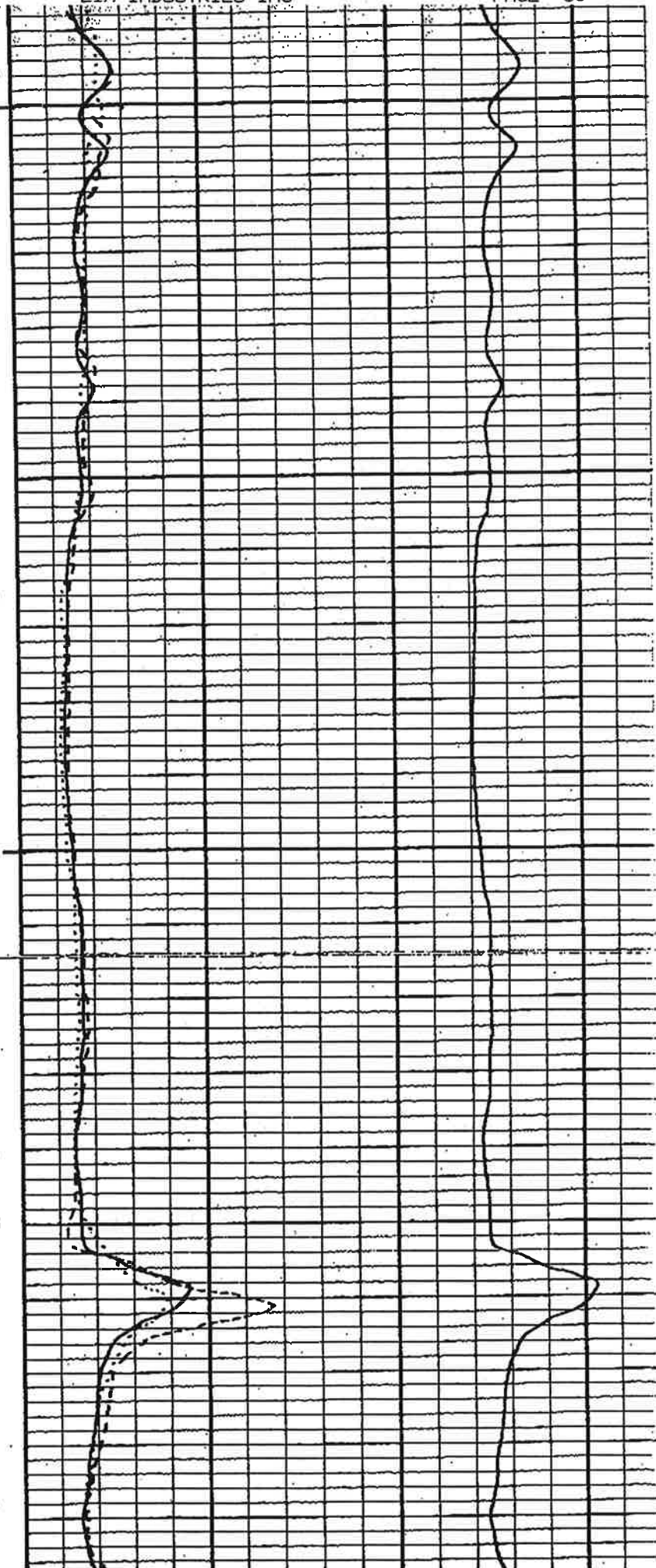


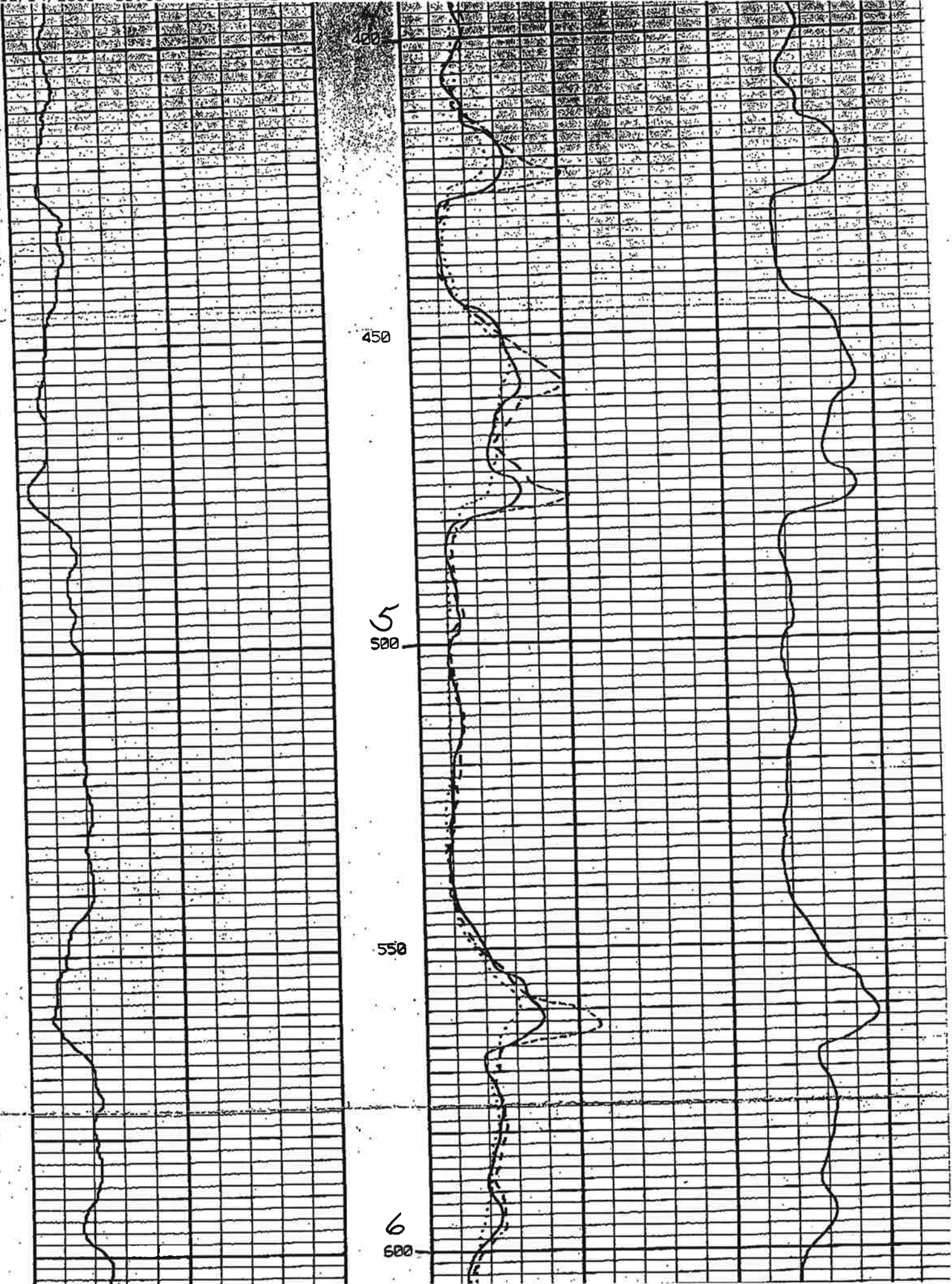
200

250

300

350





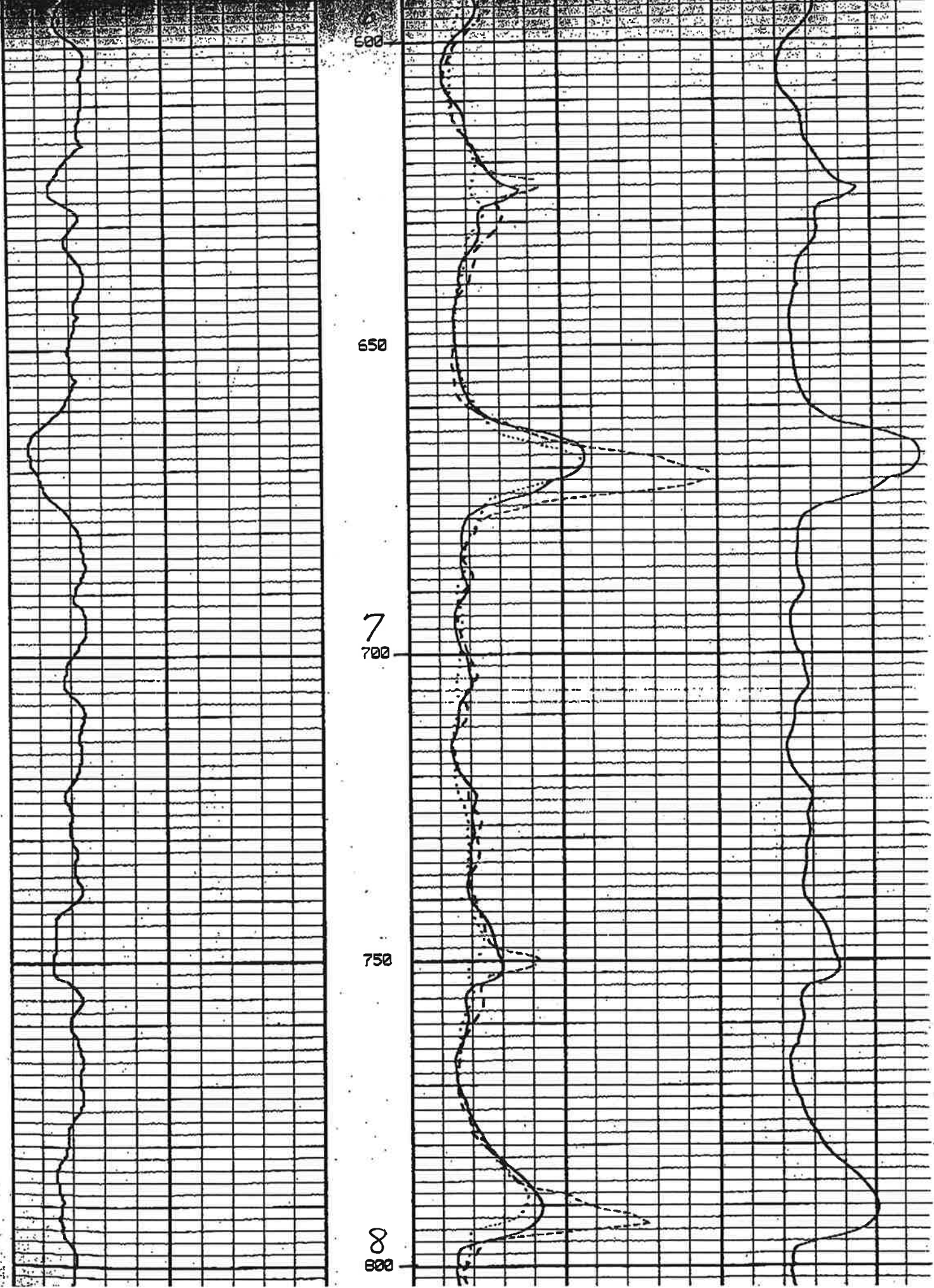
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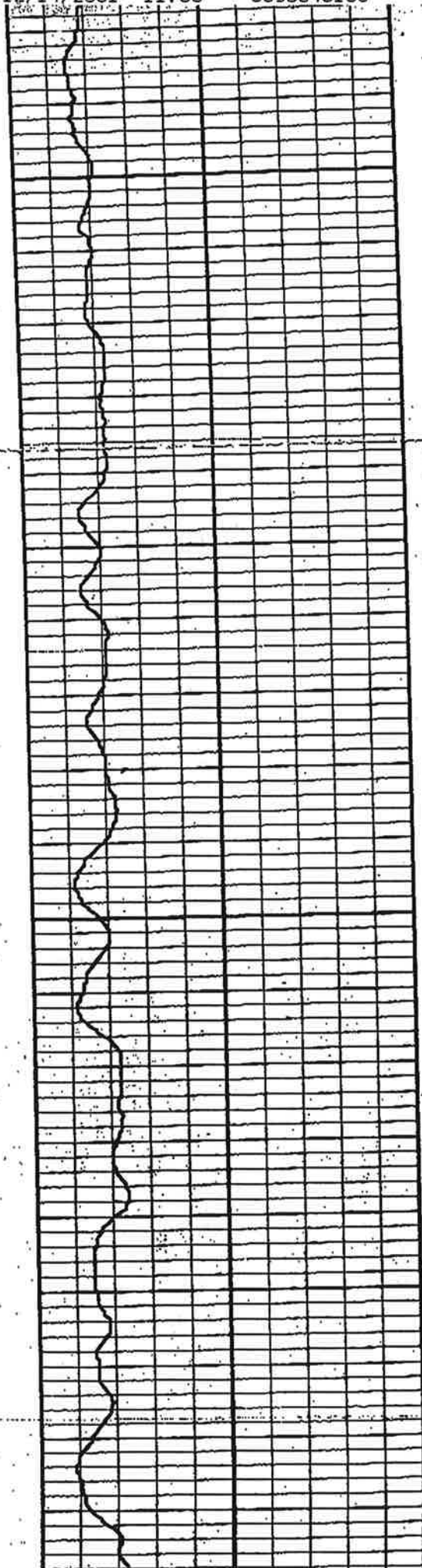
450

500

550

600



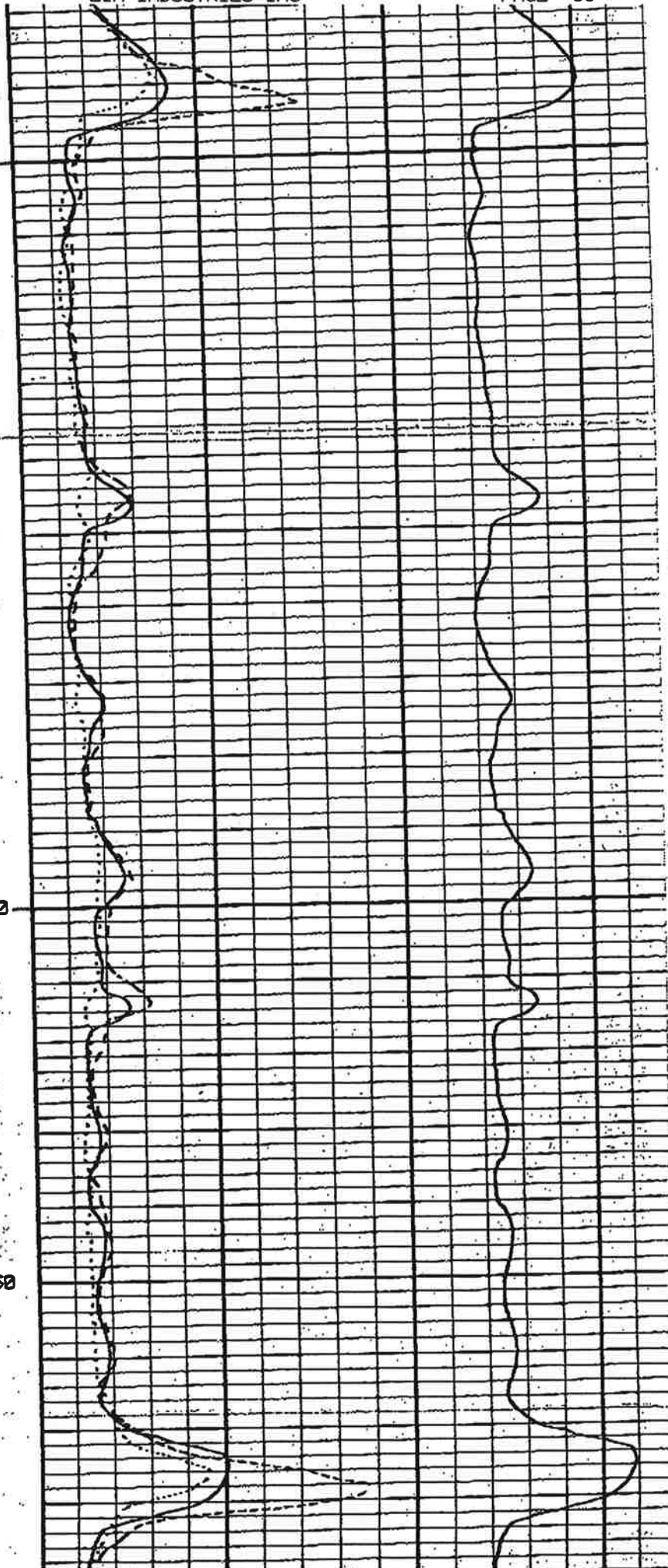


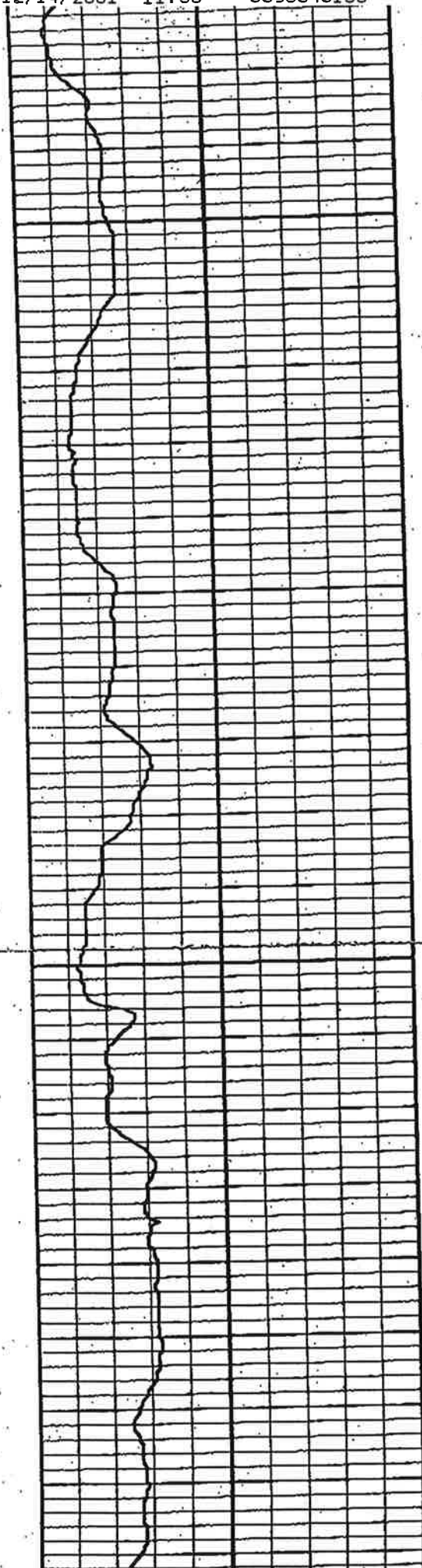
8
800

850

9
900

950



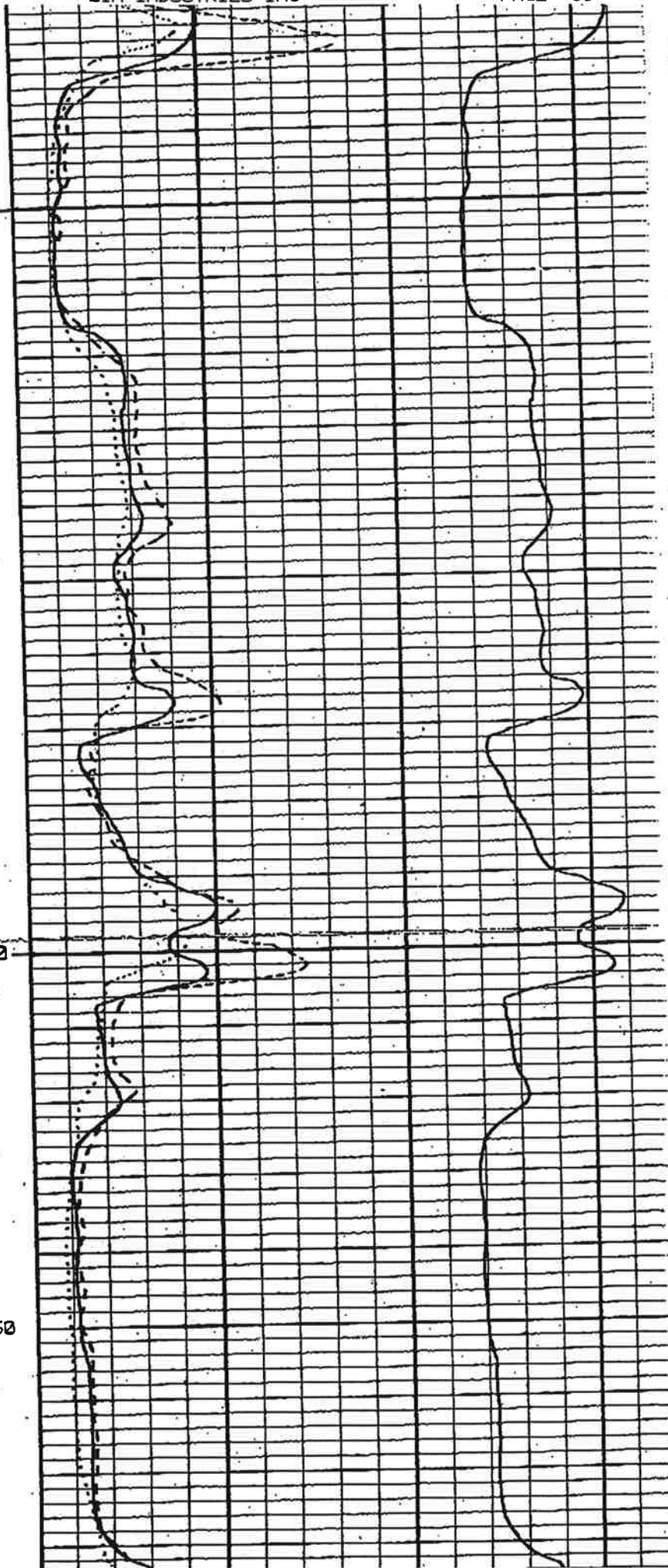


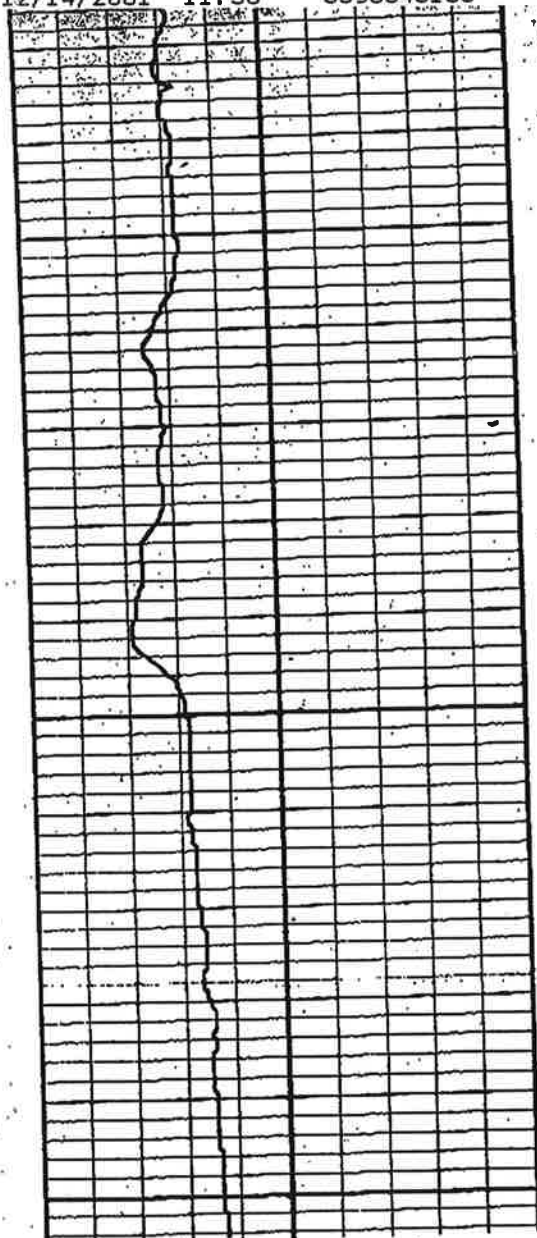
1000

1050

1100

1150

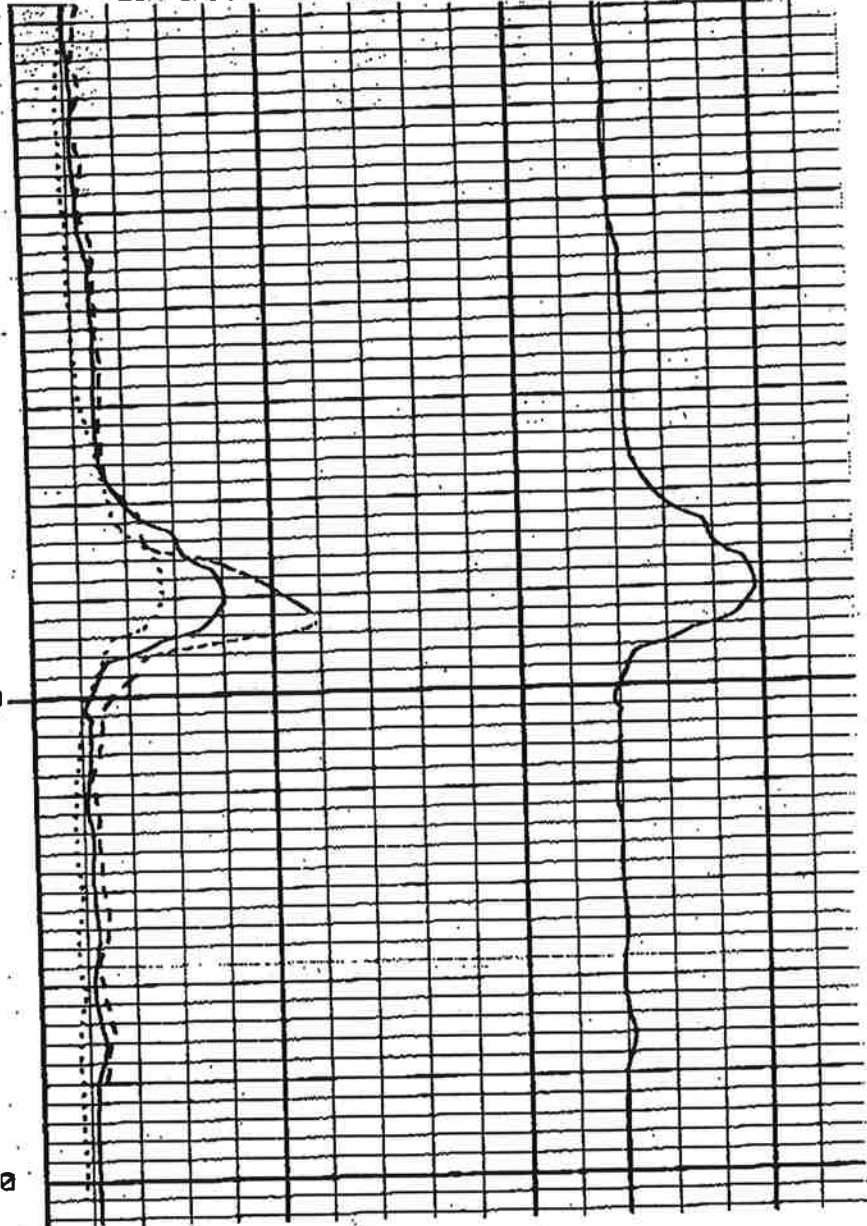




1150

1200

1250



0	x10 BACK UP	500
0	64 Inch LONG NORMAL	50
0	x10 BACK UP	500
0	16 Inch SHORT NORMAL	50

Detail Curve
SINGLE POINT



millivolts
SPONTANEOUS POTENTIAL

DEPTHS

ohm-meters²/meter
RESISTIVITY

ohms
RESISTANCE

Geologic Section E-E'

No. 340962

Notice of Intent No. _____
Local Permit No. or Date 90-1004

131-

State Well No. _____
Other Well No. 01W05E12C

(1) OWNER: Name _____
Address _____
City _____
(2) LOCATION OF WELL (See instructions):
County San Joaquin Owner's Well Number _____
Well address if different from above Base of levee, north of
Township Stockton Range Burns cut-off no. _____ of Jacord Section _____
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 110 ft. Completed depth 85 ft.
from ft. to ft. Formation (Describe by color, character, size or material)
0 - 3 Top soil clay
3 - 6 Peat moss
6 - 40 Blue clay
40 - 43 Blue sand
43 - 72 Blue clay
72 - 80 Blue sand
80 - 110 Blue clay



(3) TYPE OF WORK:
New Well Deepening
Reconstruction
Reconditioning
Horizontal Well
Destruction (Describe destruction materials and procedures in Item 12)
(4) PROPOSED USE:
Domestic Public
Irrigation
Industrial
Test Well
Municipal
Other (Describe) _____

(5) EQUIPMENT:
Rotary Reverse
Cable Air
Other Bucket

(6) GRAVEL PACK:
Yes No Size 0-1/2 sand
Diameter of bore 3 3/4
Packed from 50 to 85

(7) CASING INSTALLED:

From ft.	To ft.	Dia. in.	Cage or Wall
0	85	8"	PVC

(8) PERFORATIONS:

From ft.	To ft.	Slot size
65	85	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes No If yes, to depth 50 ft.
Were strata sealed against pollution? Yes No Interval _____ ft.
Method of sealing Bentonite

(10) WATER LEVELS:
Depth of first water, if known _____ ft.
Standing level after well completion _____ ft.

(11) WELL TESTS:
Was well test made? Yes No If yes, by whom? _____
Type of test Pump Bailer Air lift
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge _____ gal/min after _____ hours Water temperature _____
Chemical analysis made? Yes No If yes, by whom? _____
Was electric log made? Yes No If yes, attach copy to this report

Work started _____ 19 _____ Completed 5-8 19 90

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Signed William Chandlee, Bkkr. (Well Driller)
NAME Calwater Drilling Co., Inc. (Person, firm, or corporation) (Typed or printed)
Address 300 S. Kilroy
City Turlock, Ca. ZIP 95380
License No. 321252 Date of this report 5-10-90

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION

CONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. **21456**

State Well No. _____
Other Well No. 129141-2-10

687

(11) WELL LOG:

Total depth	112	ft.	Depth of completed well	110	ft.
Formation: Describe by color, character, size of material, and structure.					
	1	ft. to	20	Silty clay	
	20	"	39	Sand, medium	
	39	"	40	Clay	
	40	"	52	Sand, fine	
	52	"	91	Clay, blue	
	91	"	92	Sand, medium	
	92	"	102	Clay, soft	
	102	"	108	Clay, hard	
	108	"	112	Sand, medium	
	112 plus	"		Clay, blue	

(2) LOCATION OF WELL:

County San Joaquin Owner's number, if any—
R. F. D. or Street No. Route 5
Headquarters camp, 1 mile south of
Holt, 1/4 mile S.E. of Uncle Tom's
Cabin. Turn left off main Highway
from Stockton at Uncle Tom's.

(3) TYPE OF WORK (check):

New well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) EQUIPMENT:

Rotary
Cable
Dug Well

(6) CASING INSTALLED:

SINGLE DOUBLE

From	ft. to	ft.	Diam.	Gage or Wall
	0		105 2-in	
			Standard Gal Pipe	

If gravel packed

NO
Diameter of Bore from ft. to ft.

Type and size of shoe or well ring none

Size of gravel:

Describe joint threaded

(7) PERFORATIONS:

none

Type of perforator used

Size of perforations	in., length, by	in.		
From	ft. to	ft.	Perf. per row	Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes No To what depth _____ ft.

Were any strata sealed against pollution? Yes No If yes, note depth of strata _____

From _____ ft. to _____ ft.

Method of Sealing CONCRETE

(9) WATER LEVELS:

Depth at which water was first found NVE 10 28 ft.

Standing level before perforating _____ ft.

Rising level after perforating RECEIVED ft.

(10) WELL TESTS: Salinity 600 ppm

Was a pump test made? Yes No If yes, by whom? driller

Yield: 30 gal./min. with _____ ft. draw down after _____ hrs.

Temperature of water _____ Was a chemical analysis made? Yes No

Is it made of well? Yes No

CONFIDENTIAL
Section 7076.1, Water Code

FOR OFFICIAL USE ONLY

Work started 2-14 1955 Completed 2-19-55 19

WELL DRILLER'S STATEMENT by my rig

This well was drilled under contract and this report is true to the best of my knowledge and belief.

NAME S. C. Baker (Person, firm, or corporation) (Typed or printed)

Address Holt, Calif

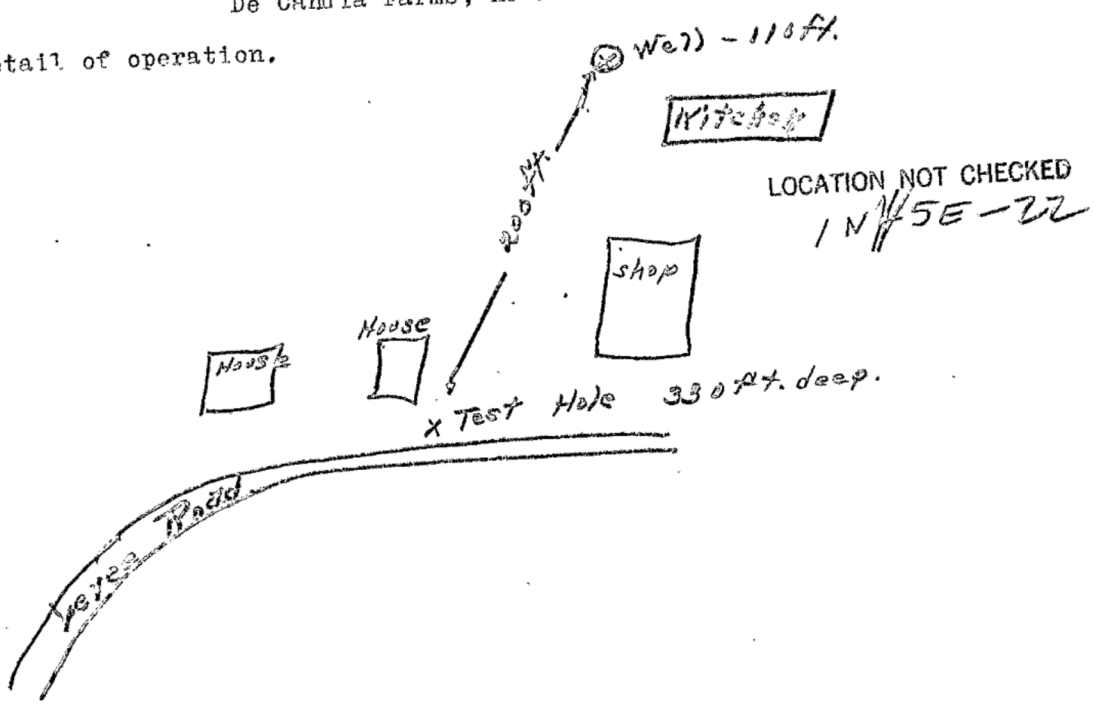
[SIGNED] S. C. Baker
Well Driller

License No. 129141 Dated 2-10 1955

21456

De Candia Farms, near Holt. Hdqts. Camp.

Detail of operation.



Test hole drilled to 160 ft. Sand 155-160 ft. Developed gas that would no flash when trapped in jar. Salt 500 ppm. Drilling continued to 330 ft. No sand available for well. 2-inch hole. Casing pulled.

CONFIDENTIAL
Section 7076 i, Water Code

RECEIVED

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 129405

Permit No. or Date 159626
78-347

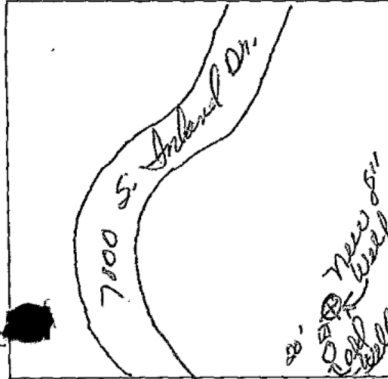
State Well No. _____
Other Well No. IN 5E-27

(12) WELL LOG: Total depth 35 ft. Depth of completed well 35 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0 - 20 Clay, brown and blue
20 - 22 Sand and clay, blue
22 - 35 Blue sand

(2) LOCATION OF WELL (See instructions):
County San Joaquin Owner's Well Number _____

Well address if different from above _____
Township Roberts Island Section _____
Distance from cities, roads, railroads, fences, etc. Same address.
300 feet E. of road



(3) TYPE OF WORK:

- New Well Deepening
- Reconstruction
- Reconditioning
- Horizontal Well
- Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

- Domestic
- Irrigation
- Industrial
- Test Well
- Stock
- Municipal
- Other

A proper well cover was installed on this well and I am not responsible for any altering or removing of the seal or casing.

(5) EQUIPMENT:

- Rotary Reverse
- Cable Air
- Other Bucket

(6) GRAVEL PACK:

- Yes No Size 1/8" - 3/16"
- Diameter of bore 14
- Packed from 20 to 35

(7) CASING INSTALLED:

- Steel Plastic Concrete

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage of Wall	From ft.	To ft.	Slot size
0	15	8"	PVC			
15	19	8"	ID Steel			

(9) WELL SEAL:

Was surface sanitary seal provided? Yes No If yes, to depth 20 ft.
Were strata sealed against pollution? Yes No Interval _____ ft.
Method of sealing bentonite

Work started 3/14/1978 Completed 3/14/1978

(10) WATER LEVELS:

Depth of first water, if known _____ ft.
Standing level after well completion _____ ft.

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(11) WELL TESTS:

Was well test made? Yes No If yes, by whom? _____
Type of test _____ Pump Bailor Air lift
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge _____ gal/min after _____ hours Water temperature _____
Chemical analysis made? Yes No If yes, by whom? _____
Was electric log made? Yes No If yes, attach copy to this report

SIGNED _____ (Well Driller)
NAME Panero Well Drilling, Inc.
(Person, firm, or corporation) (Typed or printed)
Address 31450 E. Lone Tree Road
City Oakdale, Calif. Zip 95361
License No. 333114 WLB Date of this report 3/18/78

ORIGINAL,
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 5
(appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA 1357

Do Not Fill In
No 76908
State Well No. _____
Other Well No. 10/5E-32

(11) WELL LOG:

Total depth 188 ft. Depth of completed well _____ ft.

Formation: Describe by color, character, size of material, and structure.

ft. to ft.
0-6 patrol soil
6-20 solid
20-22 clay
22-26 clay
26-38 clay
38-116 clay
116-174 clay
174-178 clay
178-186 clay
186-188 clay

(2) LOCATION OF WELL:

County _____ Owner's number, if any _____

R. F. D. or Street No. _____

1/2 mile east of Tracy
1/2 mile south of
Highway 1

(3) TYPE OF WORK (check):

New well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) EQUIPMENT:

Rotary
Cable
Dug Well

(6) CASING INSTALLED:

SINGLE DOUBLE

From _____ ft. to _____ ft. Diam. _____ Gage or Wall _____

0-188 8" 12

If gravel packed

Diameter of Bore from _____ to _____ ft.

Type and size of shoe or well ring 3/4 X 1/2

Describe joint _____

(7) PERFORATIONS:

Type of perforator used _____

Size of perforations 1/8 X 1 in., length, by _____ in.

From _____ ft. to _____ ft. Perf. per row _____ Rows per ft. _____

148-176 " " 7 " " 1 " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes No To what depth 6' ft.

Were any strata sealed against pollution? Yes No If yes, note depth of strata _____

From 0 ft. to 188-148 ft.

Method of Sealing Shoe & Solid Casing

(9) WATER LEVELS:

Depth at which water was first found 16' ft.

Standing level before perforating _____ ft.

Standing level after perforating 2' ft.

(10) WELL TESTS:

Was a pump test made? Yes No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. draw down after _____ hrs.

Temperature of water _____ Was a chemical analysis made? Yes No

Was electric log made of well? Yes No

Work started 3-1 19 63 Completed 3-4 19 63

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Water Well Drilling & Pump Co. (Person, firm, or corporation) (Typed for printed)

Address 117 1/2 Ave 112

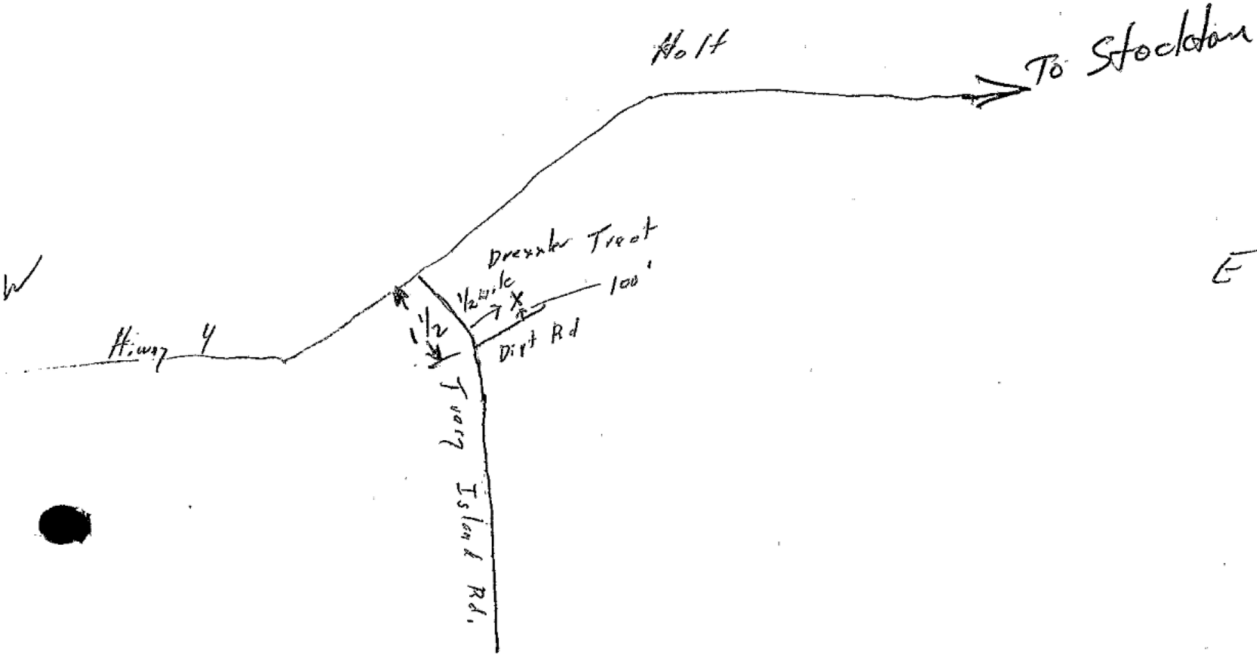
[SIGNED] [Signature] Well Driller

License No. 171603-8-57 Dated 4/19, 19 63

NO OFFICIAL USE ONLY
CALIFORNIA
DIVISION OF WATER CONTROL
OFFICE OF THE STATE ENGINEER

76908

N



5 miles west of Holt, Calif.

off Tracy Island Rd.

CONFIDENTIAL
 Section 7076.1, Water Code

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 121039

Permit No. of Intent No. 159605
Permit No. or Date 78-101

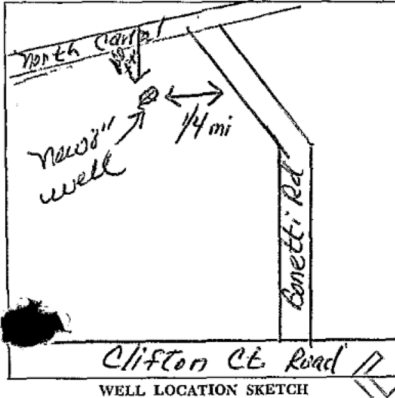
State Well No. _____
Other Well No. LS/4E-4E

(12) WELL LOG: Total depth 85 ft. Depth of completed well 85 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0 - 3 Clay
3 - 20 Sand
20 - 30 Clay
30 - 40 Sand
40 - 50 Brown clay
50 - 70 Clay
70 - 85 Sand

(2) LOCATION OF WELL (See instructions):
County San Joaquin Owner's Well Number _____

Well address if different from above _____
Township Union Island Section _____
Distance from cities, roads, railroads, fences, etc. North end of
Bonetti Road on Union Island.



(3) TYPE OF WORK:

New Well Deepening
Reconstruction
Reconditioning
Horizontal Well

Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic
Irrigation
Industrial
Test Well
Stock
Municipal
Other

(5) EQUIPMENT:

Rotary Reverse
Cable Air
Other Bucket

(6) GRAVEL PACK:

Yes No Size 1/2"
Diameter of bore 12 1/2"
Packed from 50 to 85 ft.

(7) CASING INSTALLED:

Steel Plastic Concrete

(8) PERFORATIONS:

Type of perforation or size of screen SAW CUT

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	85	8	160 PST	65	85	3/16" x 3/16"

(9) WELL SEAL:

Was surface sanitary seal provided? Yes No If yes, to depth 50 ft.
Were strata sealed against pollution? Yes No Interval _____ ft.
Method of sealing cement

(10) WATER LEVELS:

Depth of first water, if known _____ ft.
Standing level after well completion 12 ft.

(11) WELL TESTS:

Was well test made? Yes No If yes, by whom? _____
Type of test Pump Baller Air lift
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge _____ gal/min after _____ hours Water temperature _____
Analysis made? Yes No If yes, by whom? _____
Electric log made? Yes No If yes, attach copy to this report

Work started 2/14/1978 Completed 2/14/1978

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED M. Schmitt (Well Driller)

NAME Panero Well Drilling, Inc.
(Person, firm, or corporation) (Typed or printed)
Address 31450 E. Lone Tree Road
City Oakdale, Calif. Zip 95361
License No. 333114 Date of this report 2/19/78

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 071432

Permit No. or Date 80-143

State Well No. _____
Other Well No. 01504E29

(1) OWNER:

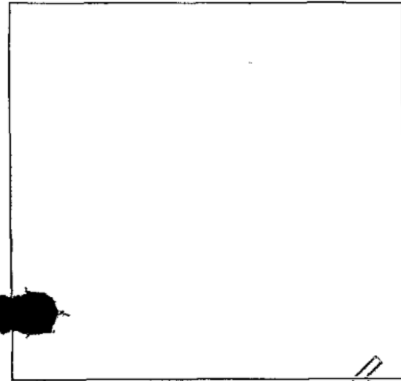
Address _____
City _____

(2) LOCATION OF WELL (See instructions):
County San Joaquin Owner's Well Number _____

Well address if different from above _____
Township _____ Range 04E Section _____
Distance from cities, roads, railroads, fences, etc. end of Kelso Rd.,
1 mile off Byron Highway

(12) WELL LOG: Total depth 95 ft. Depth of completed well 95 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	2	top soil
2	10	clay
10	16	sand
16	60	clay
60	65	sand
65	80	clay
80	92	fine sand
92	95	clay



(3) TYPE OF WORK:
 New Well Deepening
 Reconstruction
 Reconditioning
 Horizontal Well
 Destruction (Describe destruction materials and procedures in Item 12)
 (4) PROPOSED USE:
 Domestic
 Irrigation
 Industrial
 Test Well
 Stock
 Municipal
 Other

WELL LOCATION SKETCH

(5) EQUIPMENT:
 Rotary Reverse
 Cable Air
 Other Bucket
 (6) GRAVEL PACK:
 Yes No Size Birdseye
 Diameter of bore 13 1/2
 Packed from 30 to 95 ft.

(7) CASING INSTALLED: Steel Plastic Concrete
 (8) PERFORATIONS: Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	95	8	160	75	95	screen

(9) WELL SEAL:
 Was surface sanitary seal provided? Yes No If yes, to depth 50 ft.
 Were strata sealed against pollution? Yes No Interval _____ ft.
 Method of sealing Bentonite

(10) WATER LEVELS:
 Depth of first water, if known _____ ft.
 Standing level after well completion 18 ft.

(11) WELL TESTS:
 Was well test made? Yes No If yes, by whom? _____
 Type of test Pump Bailer Air lift
 Depth to water at start of test _____ ft. At end of test _____ ft.
 _____ gal/min after _____ hours Water temperature _____
 Chemical analysis made? Yes No If yes, by whom? _____
 Was electric log made? Yes No If yes, attach copy to this report

Work started March 11, 1980 Completed _____ 19____

WELL DRILLER'S STATEMENT:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 SIGNED Mariette Rosenstein
 (Well Driller)
 NAME Hennings Bros. Drilling Co., Inc.
 (Person, firm, or corporation) (Typed or printed)
 Address 3525 Pelandale Avenue
 City Modesto, California Zip 95356
 License No. 290813 Date of this report March 19, 1980

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 361926

Notice of Intent No. _____
Local Permit No. or Date 90558

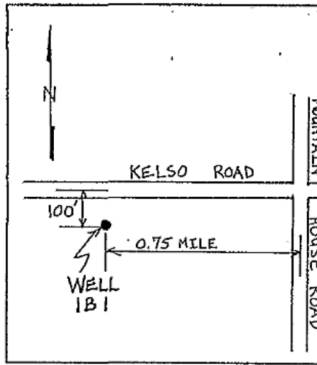
State Well No. 2S/3E 1B1
Other Well No. _____

(12) WELL LOG: Total depth 235 ft. Completed depth 60 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0 - 3	Top Soil
3 - 11	Clay
11 - 12	Sand
12 - 30	Clay
30 - 35	sand streaks
35 - 44	Blue Clay
44 - 46	Blue Sand
46 - 130	Blue Clay
130 - 135	Blue Set-up Sand
135 - 145	Blue Shale
145 - 150	Sand streaks
150 - 154	Blue Clay
154 - 159	Sand streaks
159 - 169	Blue Clay
169 - 205	Blue Shale
205 - 207	Set sand
207 - 210	Blue Clay
210 - 213	Blue Sand
213 - 235	Blue Clay

(2) LOCATION OF WELL (See instructions):

County Alameda Owner's Well Number _____
Well address if different from above Kelso Rd.
Township _____ Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. 3/4 Mi. West of
Mountain House Rd. - across from 15616
Kelso south side



(3) TYPE OF WORK:
New Well Deepening
Reconstruction
Reconditioning
Horizontal Well
Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic
Irrigation
Industrial
Test Well
Municipal
Other (Describe)

(5) EQUIPMENT:
Rotary Reverse
Cable Air
Other Bucket

(6) GRAVEL PACK:
Yes No
Diameter of bore 12"
Backed from 20 to 60 ft.

(7) CASING INSTALLED:
Steel Plastic Concrete

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	60	6	160	30	60	Screen

(9) WELL SEAL:

Was surface sanitary seal provided? Yes No If yes, to depth 20 ft.
Were strata sealed against pollution? Yes No Interval _____ ft.
Method of sealing CEMENT

(10) WATER LEVELS:

Depth of first water, if known _____ ft.
Standing level after well completion 22' ft.

(11) WELL TESTS:

Was well test made? Yes No If yes, by whom? _____
Type of test Pump Bailer Air lift
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge _____ gal/min after _____ hours Water temperature _____
Chemical analysis made? Yes No If yes, by whom? _____
Was electric log made Yes No If yes, attach copy to this report

Work started Sept. 20 19 90 Completed _____ 19____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed Cathleen Wergel (Well Driller)
NAME HENNINGS BROS. DRILLING CO., INC.
(Person, firm, or corporation) (Typed or printed)
Address 3525 PELANDIALE AVE.
City MODESTO, CA ZIP 95356
License No. 290813 Date of this report OCT. 3, 1990

QUADRUPPLICATE
Use to comply with
local requirements

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. **374016**

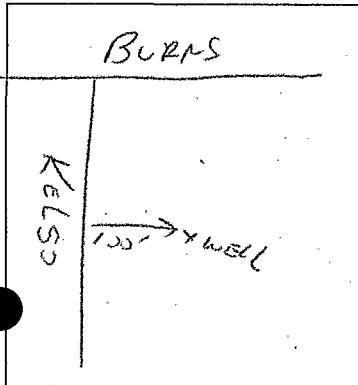
Notice of Intent No. _____
Local Permit No. or Date **93088**

State Well No. **2S/3E 2A1**
Other Well No. _____

(12) WELL LOG: Total depth 55 ft. Completed depth 80 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

1	-32	CLAY
33	-38	ROCKS
39	-47	CLAY
48	-50	ROCKS
51	-60	CLAY BLUE
61	-79	CLAY
80	-115	CLAY GRAY
116	-168	CLAY ROCK AT TIMES
169	-178	ROCKS
179	-220	CLAY
221	-233	SAND STONE
234	-238	CLAY
239	-280	SAND STONE
271	-278	CLAY
274	-290	SAND STONE
291	-320	ROCKY CLAY
292	-305	CLAY
306	-430	CLAY

(2) LOCATION OF WELL (See instructions):
County _____ Owner's Well Number _____
Well address if different from above _____
Township _____ Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. _____



(3) TYPE OF WORK:
New Well Deepening
Reconstruction
Reconditioning
Horizontal Well
Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic
Irrigation
Industrial
Test Well
Municipal
Other (Describe)

WELL LOCATION SKETCH

(5) EQUIPMENT:
Rotary Reverse
Cable Air
Other Bucket

(6) GRAVEL PACK:
Yes No Size _____
Diameter of bore _____
Packed from _____ to _____ ft.

(7) CASING INSTALLED:
Steel Plastic Concrete

(8) PERFORATIONS:
Types of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
1	80	6		40		32

(9) WELL SEAL:
Was surface sanitary seal provided? Yes No If yes, to depth 25 ft.
Were strata sealed against pollution? Yes No Interval _____ ft.
Method of sealing CEMENT

(10) WATER LEVELS:
Depth of first water, if known 7' 8" ft.
Standing level after well completion _____ ft.

(11) WELL TESTS:
Was well test made? Yes No If yes, by whom? SWTR
Type of test Pump Bailer Air lift
Depth to water at start of test _____ ft. At end of test 24 ft.
Discharge 15 gal/min after 8 hours. Water temperature _____
Chemical analysis made? Yes No If yes, by whom? SWTR
Was electric log made? Yes No If yes, attach copy to this report

Work started _____ 19 _____ Completed 3-15 19 93

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Signed Ruth Moo (209) 334-4725
NAME A+A GRASS DRILLING 1425
Address P.O. Box 178
City WADSWORTH ZIP 95251
License No. 377255 Date of this report 3-30-93

E068053A

State of California
The Resources Agency
Department of Water Resources

State Well No. 01N04E36Q001M

DISTRICT Central

WELL DATA

Owner _____
Address _____
Tenant _____
Address _____
State Well No. 01N04E36Q001M
Other No. MRL-2W

Type of Well: Hydrograph Key Index Semiannual
Location: County San Joaquin Basin San Joaquin Valley - Tracy Subbasin No. 5-22.15
U.S.G.S. Quad. Holt Quad. No. 462b
SW 1/4 SE 1/4 Section 36, Township. 01N, Range. 04E Base & Meridian

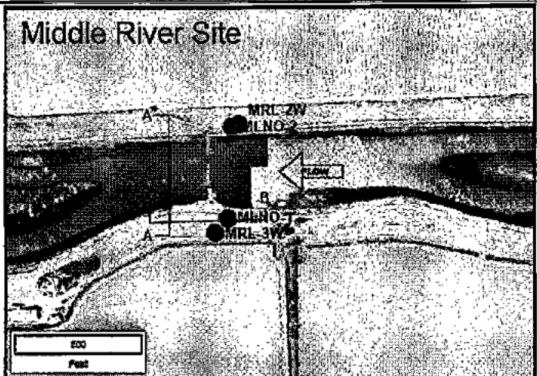
Description Piezometer constructed of 2" diameter PVC casing and perforated interval within a yellow, 8" square monument casing standing approximately 3 feet above ground surface. Locking lid with padlock (key available at Central District). Well is located on the right levee.

Survey Location, NAD83 CaSP Zone 3, feet: 2146580.5359 N, 6278327.0376 E

Reference Point description Black RP mark on well dock or slip cap at top of casing.

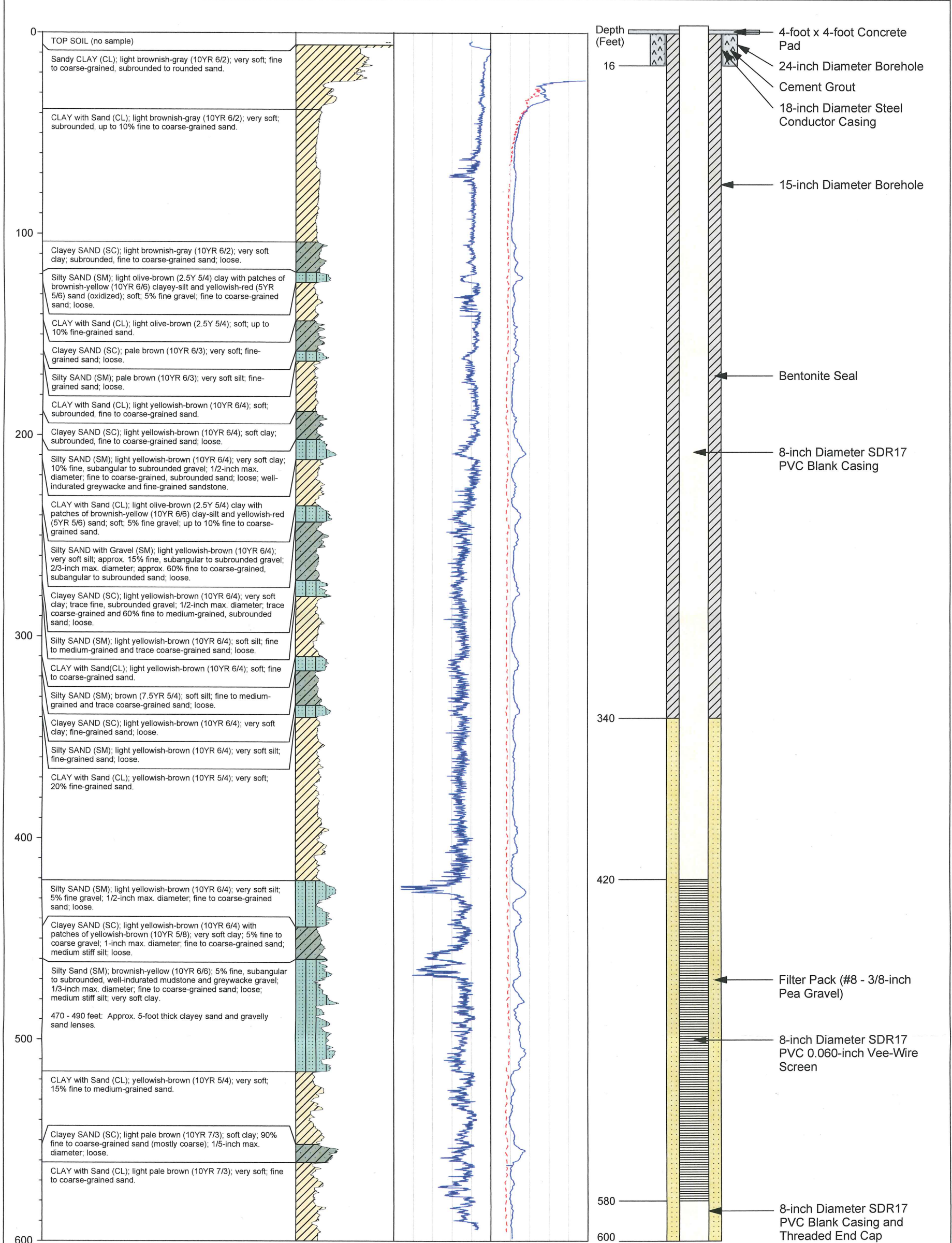
Which is 2.2 ft. Above land surface. Ground Elevation 6.9 ft.
Reference Point Elev. 9.1 ft. Determined from DWR Survey Unit NAVD88
Well: Use Monitoring Condition Good Depth 83 ft.
Casing, size 2 in., perforations 61-81 ft bgs

Measurement By: DWR USGS USBR County Irr. Dist. Water Dist. Cons. Dist.
Chief Aquifer: Name _____ Depth to Top Aq. _____ Depth to Bot. Aq. _____
Type of Material _____ Perm. Rating _____ Thickness _____
Gravel Packed? Yes No Depth to Top Gr. 58 ft Depth to Bot. Gr. 83 ft
Supp. Aquifer _____ Depth to Top Aq. _____ Depth to Bot. Aq. _____
Driller Layne-Christensen
Date drilled September 18, 2002 Log filed no Open (1) Confidential (2)
Equipment: Pump, type _____ Make _____
Serial No. _____ Size of discharge pipe _____ in.
Power, Kind _____ Make _____
H.P. _____ Motor Serial No. _____
Elec. Meter No. _____ Transformer No. _____
Yield _____ GPM Pumping level _____ ft.
Water Analysis: Min. (1) _____ San. (2) _____ H.M.(3) _____
Water Levels Available: Yes (1) No _____
Period of Record: Begin April 29, 2005 End active
Collecting Agency California Department of Water Resources
Prod. Rec. (1) _____ Pump Test (2) _____ Yield (3) _____

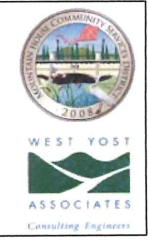


REMARKS
This well is one of 4 wells at this site on Middle River and one of 2 wells at the south-west end of Middle Roberts Island. The wells were installed to monitor groundwater levels. The well is equipped with a data logger which records 15 minute groundwater levels. This data can be found on the internet in the DWR Water Data Library.
Recorded by: Mark Souverville
Date: 08/20/07

Pilot Hole Data			Well Construction	
Depth (ft.)	Lithology	Geophysical Log by: Dewey Data		
		USCS S Pt. Resistivity 0 50 ohms	Spontaneous Potential 1 division = 20 millivolts	Short Normal Long Normal Resistivity 0 50 ohm-meters
			Drilling Contractor: Canepa Sons	
			Drilling Method: Mud Rotary	
			Date Started: 09/16/2014	
			Date Completed: 09/17/2014	



209-450-033

Vertical Scale:	Location: APN: 204-450-033 Mountain House, California	Shea Homes #1 MHCS D Groundwater Evaluation Test Well Evaluation Shea Homes #1 Lithologic Log/Well Construction Diagram	
Owner: Mt. House Developers TLC	TRS: S16 T2S R4E		
Permit No.: SR00070517	Coordinate System: Unknown		
State Well No.: Unknown	X: Unknown Y: Unknown Elevation: Unknown		
Project No.: 223-12-15-48			