0042739

ENGINEERING CHANGE NOTICE

1. ECN 611443

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.	3a. USQ Required?	4. Date
Supplemental [X] Direct Revision [] Change ECN [] Temporary [] Standby [] Supersedure [] Cancel/Void []	T.J. Wood 8H120/RD1CA S3-24 373-7492	[] Yes [X] No	November 22, 1995
	5. Project Title/No./Work Order No. NA	6. Bldg./Sys./Fac. No. NA	7. Approval Designator QD
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-EN-AP-161, Rev 0	9. Related ECN No(s). 611433	10. Related PO No. NA

11a. Modification Work	11b. Work Package No.	11c. Modification Work Complete	11d. Restored to Original Condition (Temp. or Standby ECN only)
[] Yes (fill out Blk. 11b) [X] No (NA Blks. 11b, 11c, 11d)	NA	NA Cog. Engineer Signature & Date	NA Cog. Engineer Signature & Date

12. Description of Change

WHC-SD-EN-AP-161, Rev 0, "Fitness-for-Intended-Use Evaluation Recommendations for Hanford Site 600 Area Wells." **Increase scope of document to include attached Appendix G.**

Engineering Holds have been assigned to two wells pending as-built preparation. The following wells/Hold numbers are listed as follows:

Well 699-31-65 Hold number HLD-WM-~~020~~ 074 DEJ 12/21/95; and

Well 299-W15-5 Hold number HLD-WM-~~021~~ 075 DEJ 12/21/95.

Engineering Holds have also been assigned to four wells pending PNL evaluation. The following wells/hold numbers are listed as follows: 699-42-12B, HLD-WM-076; 699-80-43P, HLD-WM-077; 699-80-43Q, HLD-WM-078,; and 699-80-43R, HLD-WM-079.

13a. Justification (mark one)

Criteria Change	[X]	Design Improvement	[]	Environmental	[]	Facility Deactivation	[]
As-Found	[]	Facilitate Const	[]	Const. Error/Omission	[]	Design Error/Omission	[]

13b. Justification Details

Expands plan application in accordance with WAC 173-160 well decommissioning critera.

14. Distribution (include name, MSIN, and no. of copies)

See Distribution Sheet

RELEASE STAMP

DATE: DEC 2 2 1995

STA: 4

HANFORD RELEASE

ID: 3

JAN 1996 RECEIVED EDMC

A-7

2900-013-2 (11/94) GEF095

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1): 611443

15. Design Verification Required	16. Cost Impact						17. Schedule Impact (days)	
	ENGINEERING			CONSTRUCTION				
[] Yes	Additional	[]	$ NA	Additional	[]	$	Improvement	[] NA
[X] No	Savings	[]	$	Savings	[]	$	Delay	[]

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	[]	Seismic/Stress Analysis	[]	Tank Calibration Manual	[]
Functional Design Criteria	[]	Stress/Design Report	[]	Health Physics Procedure	[]
Operating Specification	[]	Interface Control Drawing	[]	Spares Multiple Unit Listing	[]
Criticality Specification	[]	Calibration Procedure	[]	Test Procedures/Specification	[]
Conceptual Design Report	[]	Installation Procedure	[]	Component Index	[]
Equipment Spec.	[]	Maintenance Procedure	[]	ASME Coded Item	[]
Const. Spec.	[]	Engineering Procedure	[]	Human Factor Consideration	[]
Procurement Spec.	[]	Operating Instruction	[]	Computer Software	[]
Vendor Information	[]	Operating Procedure	[]	Electric Circuit Schedule	[]
OM Manual	[]	Operational Safety Requirement	[]	ICRS Procedure	[]
FSAR/SAR	[]	IEFD Drawing	[]	Process Control Manual/Plan	[]
Safety Equipment List	[]	Cell Arrangement Drawing	[]	Process Flow Chart	[]
Radiation Work Permit	[]	Essential Material Specification	[]	Purchase Requisition	[]
Environmental Impact Statement	[]	Fac. Proc. Samp. Schedule	[]	Tickler File	[]
Environmental Report	[]	Inspection Plan	[]		[]
Environmental Permit	[]	Inventory Adjustment Request	[]		[]

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number Revision
NA		

20. Approvals

	Signature	Date		Signature	Date
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER		
			PE		
Cog. Eng. D. E. Skoglie	DE Skoglie	12/13/95			
Cog. Eng. T. J. Wood	T.J. Wood	12-13-95			
Cog. Mgr. M. G. Gardner	MGGardner	12/14/95	QA		
QA W. R. Thackabery	WR Thackabery	12/19/95	Safety		
Safety			Design		
Environ.			Environ.		
Other J. S. Schmid	JS Schmid	12/20/95	Other		
R. R. Thompson	RR Thompson	12/20/95			
S. P. Luttrell	for SP Luttrell	12/20/95			
T. F. Kisenwether	TFKiggen	12/20/95	DEPARTMENT OF ENERGY		
			Signature or a Control Number that tracks the Approval Signature		
			M. J. Furman	12/21/95 MJ Furman	
			ADDITIONAL		
	KDH		A. D. Hildebrand	12/21/95	
	KMT		K. M. Thompson	12/21/95	

Subject: Well Decommissioning Planned for First and Second Quarter FY 1996 by WHC Well Services

WHC-SD-EN-AP-161, Rev 0, Appendix G lists Hanford Site wells selected for decommissioning during the first, second and third quarters of FY 1996 under the well decommissioning charter of WHC Well Services.

Groundwater monitoring wells subject to the Hanford Facility RCRA Permit (Permit), Condition II.F.2, are currently in compliant condition and in active use. These wells are currently not identified as requiring decommissioning. However, the Second Responsiveness Summary for the subject permit provided by the Washington State Department of Ecology (Department) states the Department's understanding that orphan wells have been identified as those wells which are not claimed and are not in use and that these wells are considered "RCRA" wells by the Hanford Administration. Approximately 455 wells have been designated "orphan". The Department goes on to state that they (the Department) "will pursue enforcement action outside of this permit to assess and remediate and/or abandon (to Chapter 173-160 WAC standards), where applicable, those wells not being addressed by this permit."

NOTE: Substitution of Abandonment materials is allowed if (1) materials substituted meet WAC 173-160 requirements, (2) is directed by WHC, and (3) is documented on the daily Field Activity Report form.

A map of the well locations (Figure 1 and 2), construction summary drawings, resource protection groundwater well structure fitness for use checklists for each well, and a diagram of the decommissioning process to be followed for each well are attached. Selection of wells to be decommissioned used one or more of the following critera:

1. No declared owner or use, i.e., orphan status (RCRA).
2. Located in the 600 Area.
3. Deep boreholes lacking annular seals that have the potential for interconnection of aquifers or upward leakage from confined aquifers.
4. Relatively near Columbia or Yakima Rivers or North of Gable Butte/Gable Mountain and/or within ~5 kilometers of the rivers.
5. Relatively near waste burial sites.
6. Wells that are a safety hazard.

Reference general information in Table 1.

Figure 1. WELL LOCATION MAP - 100 and 400 AREAS

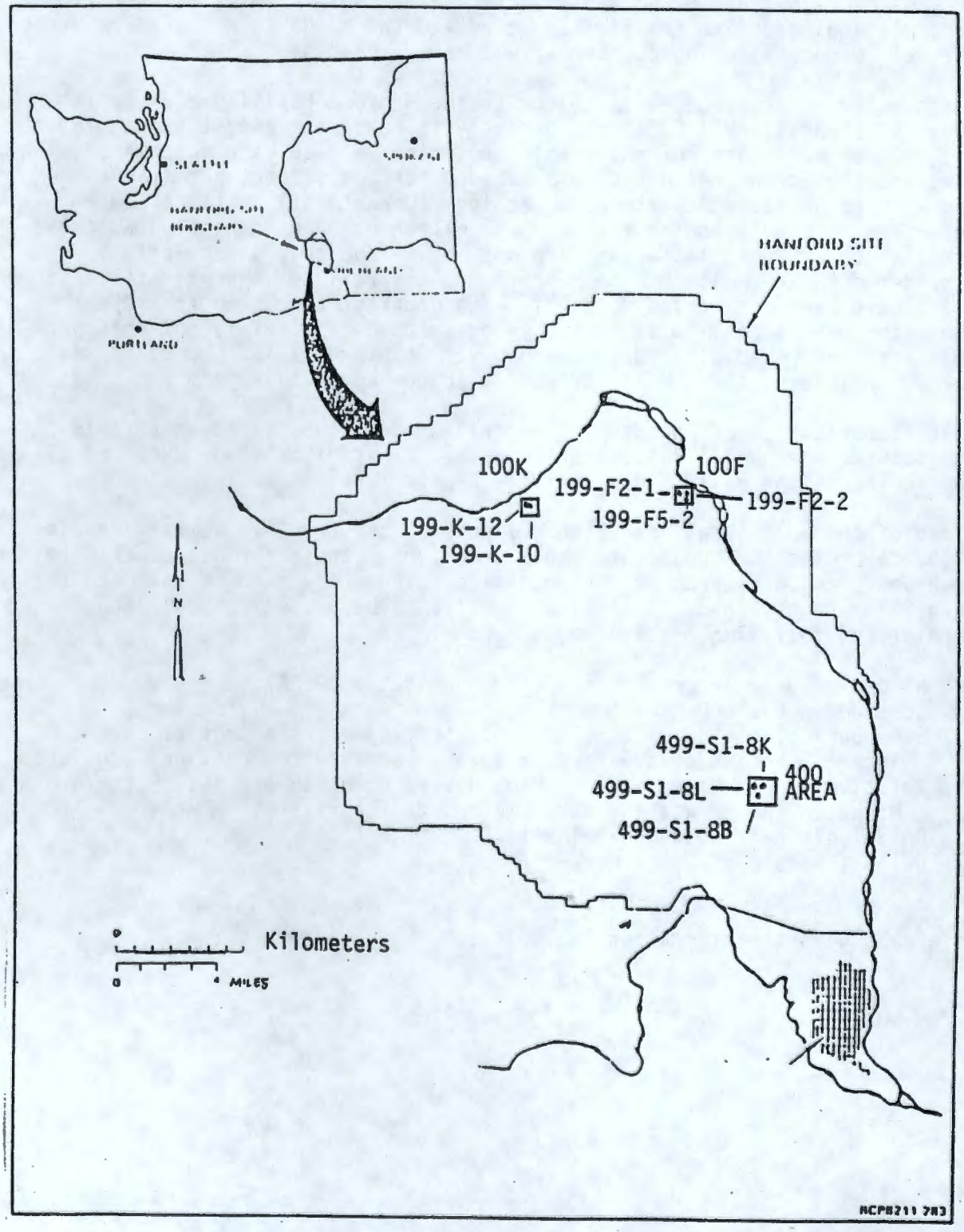
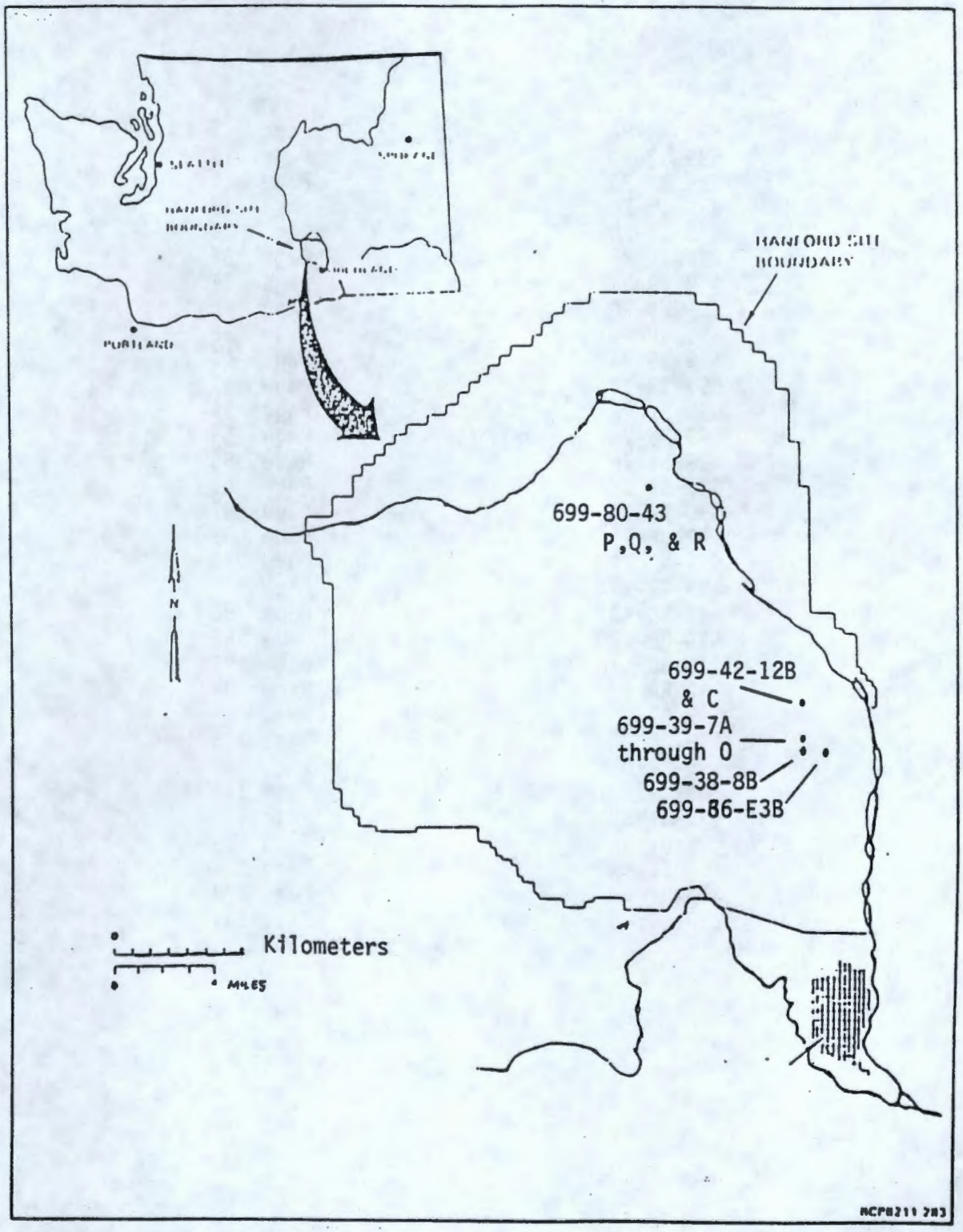


Figure 2. WELL LOCATION MAP - 600 AREA



Fitness-for-Intended Use
Evaluation Recommendations
For Hanford Site Wells

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RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8591	2. Well Name 699-38-8B
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8591
2. Well Name: 699-38-8B

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 01/01/81 Company: _____
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/17/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other _____	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jan81

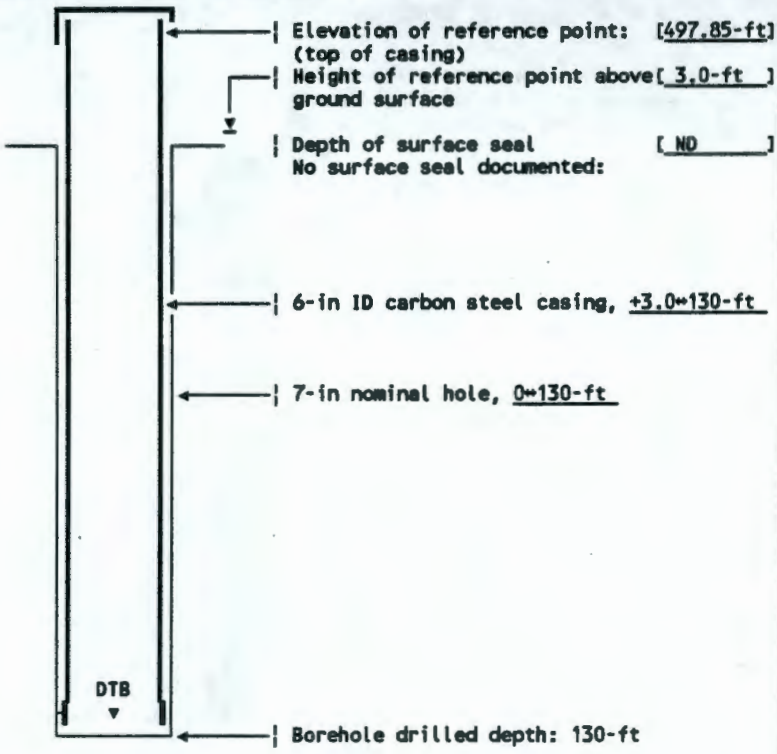
Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jan81

WELL NUMBER: 699-38-88 A8591
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 38,437 E/W W 7,639
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 494.85ft Estimated

Depth to water: 103.38 17Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's log

Not documented



Drawing By: RKL/6N38W08B.ASB
Date : 21Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary	Sample Method: Casing hammer	WELL NUMBER: 699-38-8B A8591
Drilling Fluid Used: Air	Additives Used: Not documented	TEMPORARY WELL NO:
Driller's Name: Not documented	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 38,437 E/W W 7,639
Drilling Company: Not documented	Company Location: Not documented	State Coordinates: N E
Date Started: Jan81	Date Complete: Jan81	Start Card #: Not documented T 12N R 28E S 7
		Elevation Ground surface: 494.85ft Estimated

Depth to water: 103.38 17Aug95
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

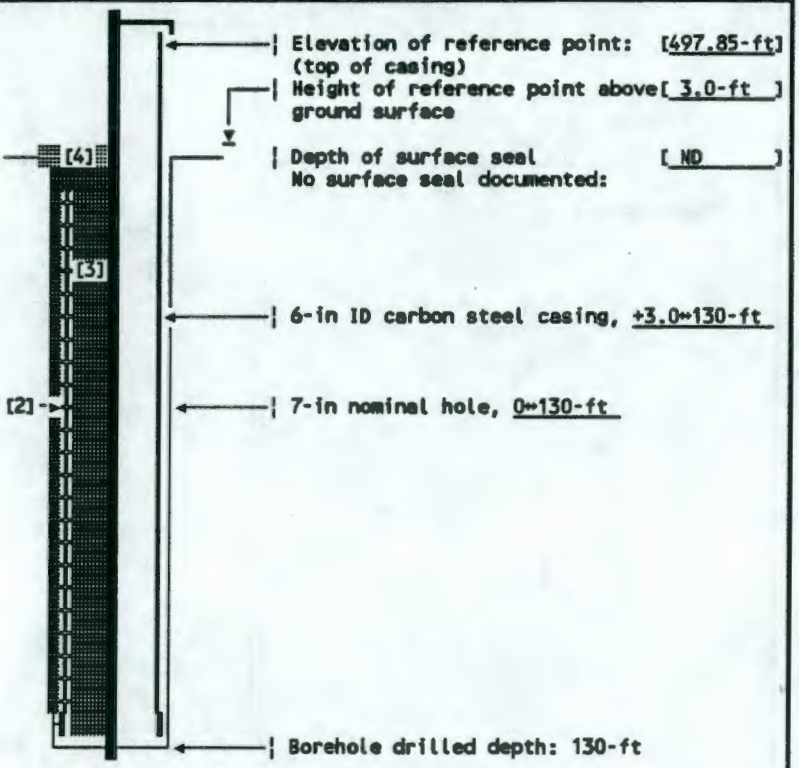
[1] Establish depth to bottom clean out

[2] Perforate 6-in casing, 3-130-ft

[3] Place cement grout from 3-130-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



DTB=Depth to bottom: 129.9-ft

Drawing By: RKL/6N38W08B.PLN
Date : 21Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8603	2. Well Name 699-39-7A
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8603
2. Well Name: 699-39-7A

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: _____ Company: _____
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/17/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other _____	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Not documented

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Not documented

WELL NUMBER: 699-39-7A A8603
TEMPORARY WELL NO: 699-39-7
Hanford Coordinates: N/S N 39.120 E/W W 6.820
State Coordinates: N _____ E _____
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 490.13ft Estimated

Depth to water: 124.16 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's log

Not documented

Elevation of reference point: [492.37-ft]
(top of casing)

Height of reference point above [2.24-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.24-190-ft

7-in nominal hole, 0-190-ft

Borehole drilled depth: 190-ft

DTB=Depth to bottom: 182.86-ft

Drawing By: TJW/6N39W07A.ASB
Date : 25Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Not documented

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Not documented

WELL NUMBER: 699-39-7A A8603
TEMPORARY WELL NO: 699-39-7
Hanford Coordinates: N/S N 39.120 E/W W 6.820
State Coordinates: N _____ E _____
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 490.13ft Estimated

Depth to water: 124.16 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

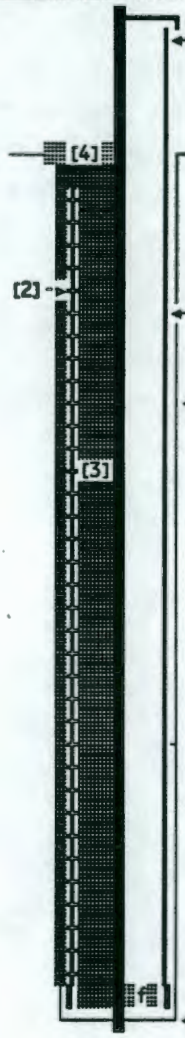
[1] Establish depth to bottom clean out

[2] Perforate 6-in casing, 3↔190-ft

[3] Place cement grout from 3↔190-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [492.37-ft] (top of casing)

Height of reference point above ground surface [2.24-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.24↔190-ft

7-in nominal hole, 0↔190-ft

Borehole drilled depth: 190-ft

DTB=Depth to bottom: 182.86-ft

Drawing By: TJW/6N39W07A.PLN
Date : 25Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8604	2. Well Name 699-39-7B
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8604
2. Well Name: 699-39-7B

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/01/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Well contains diesel fuel	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

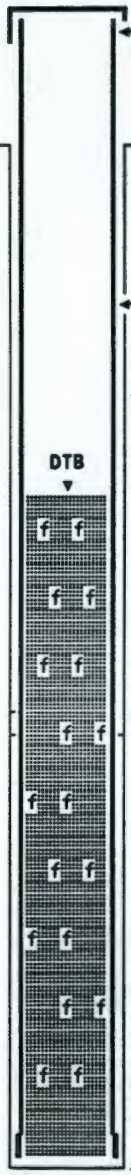
Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7B A8604
TEMPORARY WELL NO: Golder 125
Hanford Coordinates: N/S N 39,098 E/W W 6,854
State Coordinates: N _____ E _____
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 486.84-ft Estimated

Depth to water: 125.34 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's log

Not documented



Elevation of reference point: [489.60-ft]
(top of casing)

Height of reference point above [2.76-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.76-190-ft

7-in nominal hole, 0-190-ft

DTB=Depth to bottom: 142-ft

Borehole drilled depth: 451-ft

Drawing By: TJW/6N39W07B.ASB
Date : 26Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7B A8604
TEMPORARY WELL NO: Golder 125
Hanford Coordinates: N/S N 39.098 E/W W 6.854
State Coordinates: N _____ E _____
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 486.84-ft Estimated

Depth to water: 125.34 16Aug95
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

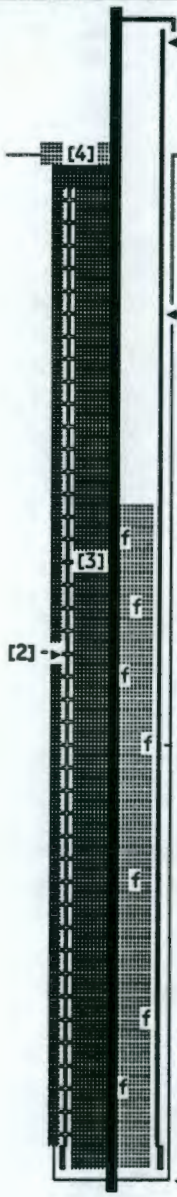
[1] Establish depth to bottom clean out

[2] Perforate 6-in casing from 3-ft to total depth

[3] Place cement grout from total depth to 3-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [489.60-ft]
(top of casing)

Height of reference point above ground surface [2.76-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.76↔190-ft

7-in nominal hole, 0↔190-ft

DTB=Depth to bottom: 142-ft

Borehole drilled depth: 451-ft

Drawing By: TJW/6N39W07B.PLN
Date : 26Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2603	2. Well Name 699-39-7C
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2603
2. Well Name: 699-39-7C

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/01/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other _____	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

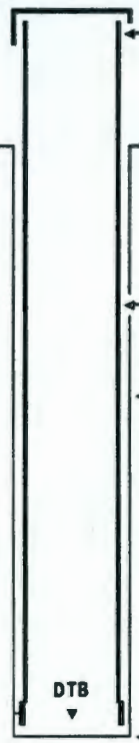
Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7C B2603
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,002 E/W W 6,854
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.0-ft Estimated

Depth to water: 115.90 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY | Driller's log

Not documented



Elevation of reference point: [490.00-ft]
(top of casing)

Height of reference point above ground surface [3.0-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +3.0-130-ft

7-in nominal hole, 0-130-ft

Borehole drilled depth: 130-ft

DTB=Depth to bottom: 133.0-ft

Drawing By: RKL/6N39W07C.ASB
Date : 26Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7C B2603
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,002 E/W W 6,854
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.0-ft Estimated

Depth to water: 115.90 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

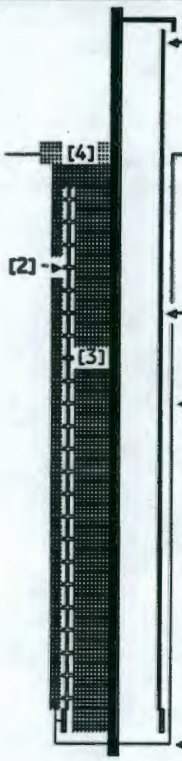
[1] Establish depth to bottom clean out

[2] Perforate 6-in casing, 3↔130-ft

[3] Place cement grout from 3↔130-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [490.00-ft]
(top of casing)

Height of reference point above ground surface [3.0-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +3.0↔130-ft

7-in nominal hole, 0↔130-ft

Borehole drilled depth: 130-ft

DTB=Depth to bottom: 133.0-ft

Drawing By: TJW/6N39W07C.PLN
Date : 26Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2604	2. Well Name 699-39-7D
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2604
2. Well Name: 699-39-7D

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/11/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other _____	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7D B2604
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,098 E/W W 6,850
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.0-ft Estimated

Depth to water: 110.54 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY | Driller's log

Not documented

Elevation of reference point: [489.78-ft]
(top of casing)

Height of reference point above [2.78-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.78-135-ft

7-in nominal hole, 0-135-ft

Borehole drilled depth: 135-ft

DTB=Depth to bottom: 132.84-ft

Drawing By: TJW/6N39W07D.ASB
Date : 27Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7D B2604
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,098 E/W W 6,850
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.0-ft Estimated

Depth to water: 110.54 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

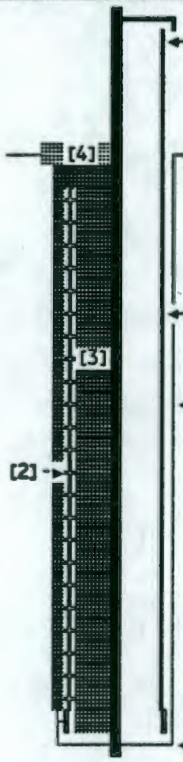
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-135-ft

[3] Place cement grout from 3-135-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [489.78-ft]
(top of casing)
Height of reference point above ground surface [2.78-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.78-135-ft

7-in nominal hole, 0-135-ft

Borehole drilled depth: 135-ft

DTB=Depth to bottom: 132.84-ft

Drawing By: TJW/6N39W07D.PLN
Date : 27Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2605
2. Well Name: 699-39-7E

Page 1 of 2

3. Has a need for use of the well been identified and documented?
[No] No potential user identified
4. Is well presently in use?
[No] No use identified
5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal
5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer
5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented
5c. Annulus sealed against surface water?
[No] No surface seal documented
5d. Casing overlap more than 6 ft; packed and grouted?
[N/A] Not applicable
6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped
7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented
7a. Saturated formation/aquifers not connected?
[N/A] Not applicable
7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303
7c. Well properly indentified?
[No] No permanent identification
8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented
8a. Well capped and protected?
[Yes] Well is capped, not locked or protected
8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place
8c. Surface protection waived or variance obtained?
[N/A] Not applicable
8d. Is existing surface protection damaged?
[N/A] Not applicable
9. Are casing materials IAW 173-160-520?
[N/A] Not applicable
10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable
10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable
10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable
11a. Screened interval documented?
[No] Not applicable
11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2605
2. Well Name: 699-39-7E

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/11/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other _____	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

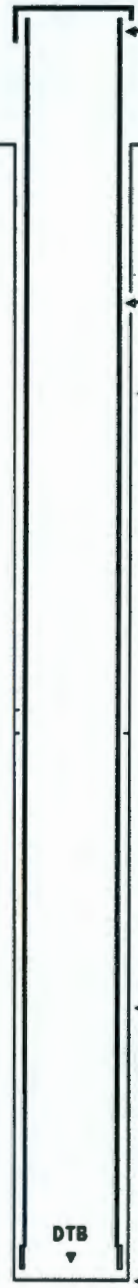
Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7E B2605
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,160 E/W W 6,780
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.00ft Estimated

Depth to water: 113.52 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's log

Not documented



Elevation of reference point: [491.70-ft]
(top of casing)

Height of reference point above [2.70-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.70-250-ft

7-in nominal hole, 0-250-ft

Borehole drilled depth: 190-ft

DTB=Depth to bottom: 182.86-ft

Borehole drilled depth: 250-ft

DTB=Depth to bottom: 250.65

Drawing By: TJW/6N39W07E.ASB
Date : 27Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7E B2605
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,160 E/W W 6,780
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.00ft Estimated

Depth to water: 113.52 16Aug95
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

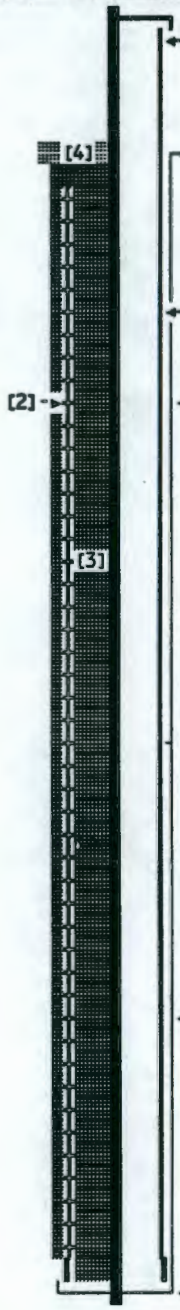
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-250-ft

[3] Place cement grout from 3-250-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [491.70-ft]
(top of casing)

Height of reference point above [2.70-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.70-250-ft

7-in nominal hole, 0-250-ft

Borehole drilled depth: 190-ft

DTB=Depth to bottom: 182.86-ft

Borehole drilled depth: 250-ft

DTB=Depth to bottom: 250.65

Drawing By: TJW/6N39W07E.PLN
Date : 27Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2606	2. Well Name 699-39-7F
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2606
2. Well Name: 699-39-7F

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/13/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____
Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/16/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other _____	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7F B2606
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,160 E/W W 6,860
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.0-ft Estimated

Depth to water: 121.00 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's log

Not documented

Elevation of reference point: [491.34-ft]
(top of casing)

Height of reference point above [2.34-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.34-165-ft

7-in nominal hole, 0-165-ft

Borehole drilled depth: 165-ft

DTB=Depth to bottom: 164.68-ft

Drawing By: TJW/6N39W07F.ASB
Date : 25Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7F B2606
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39.160 E/W W 6.860
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.0-ft Estimated

Depth to water: 121.00 16Aug95
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

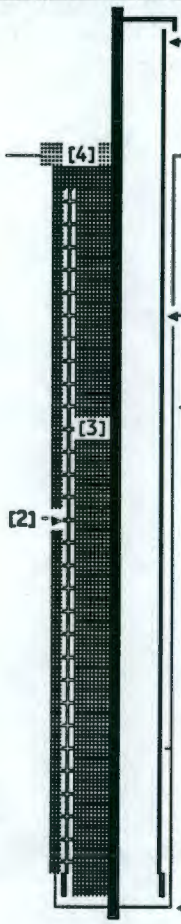
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3↔165-ft

[3] Place cement grout from 3↔165-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [491.34-ft]
(top of casing)

Height of reference point above ground surface [2.34-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.34↔165-ft

7-in nominal hole, 0↔165-ft

Borehole drilled depth: 165-ft

DTB=Depth to bottom: 164.68-ft

Drawing By: TJW/6N39W07F.PLN
Date : 25Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2607	2. Well Name 699-39-7G
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2607
2. Well Name: 699-39-7G

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/15/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7G B2607
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39.200 E/W W 6.820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 490.0-ft Estimated

Depth to water: 119.98 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's log

Not documented

Elevation of reference point: [492.76-ft]
(top of casing)

Height of reference point above [2.76-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.76→165-ft

7-in nominal hole, 0→165-ft

Borehole drilled depth: 165-ft

DTB=Depth to bottom: 164.10-ft

Drawing By: TJW/6N39W07G.ASB
Date : 29Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7G B2607
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,200 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 490.0-ft Estimated

Depth to water: 119.98 16Aug95
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

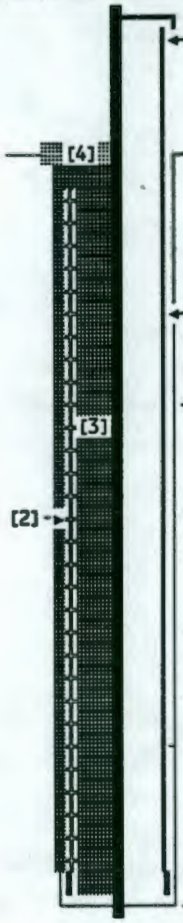
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3↔165-ft

[3] Place cement grout from 3↔165-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [492.76-ft]
(top of casing)

Height of reference point above ground surface [2.76-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.76↔165-ft

7-in nominal hole, 0↔165-ft

Borehole drilled depth: 165-ft

DTB=Depth to bottom: 164.10-ft

Drawing By: TJW/6N39W07G.PLN
Date : 29Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2608	2. Well Name 699-39-7H
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2608
2. Well Name: 699-39-7H

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/17/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____
Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/16/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7H B2608
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,250 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.0-ft Estimated

Depth to water: 129.52 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY | Driller's log

Not documented

Elevation of reference point: [491.55-ft]
(top of casing)
Height of reference point above ground surface [2.55-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.55-225-ft

7-in nominal hole, 0-225-ft

Borehole drilled depth: 225-ft

DTB=Depth to bottom: 223.12-ft

Drawing By: TJW/6N39W07H.ASB
Date : 29Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7H B2608
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,250 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.0-ft Estimated

Depth to water: 129.52 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

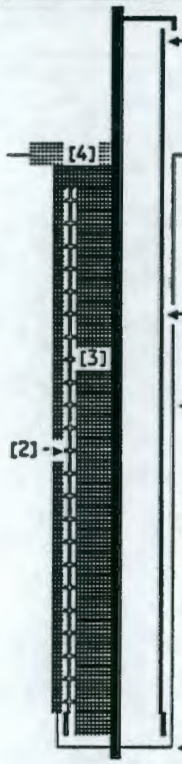
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-225-ft

[3] Place cement grout from 3-225-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [491.55-ft]
(top of casing)

Height of reference point above ground surface [2.55-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.55-225-ft

7-in nominal hole, 0-225-ft

Borehole drilled depth: 225-ft

DTB=Depth to bottom: 223.12-ft

Drawing By: TJW/6N39W07H.PLN
Date : 29Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2609	2. Well Name 699-39-7I
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2609
2. Well Name: 699-39-7I

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/19/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7I B2609
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,250 E/W W 6,810
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.0-ft Estimated

Depth to water: 120.32 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's log

Not documented

Elevation of reference point: [491.40-ft]
(top of casing)
Height of reference point above [2.40-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.40→200-ft

7-in nominal hole, 0→200-ft

Borehole drilled depth: 200-ft

DTB=Depth to bottom: 194.78-ft

Drawing By: TJW/6N39W07I.ASB
Date : 29Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-71 B2609
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,250 E/W W 6,810
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 489.0-ft Estimated

Depth to water: 120.32 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

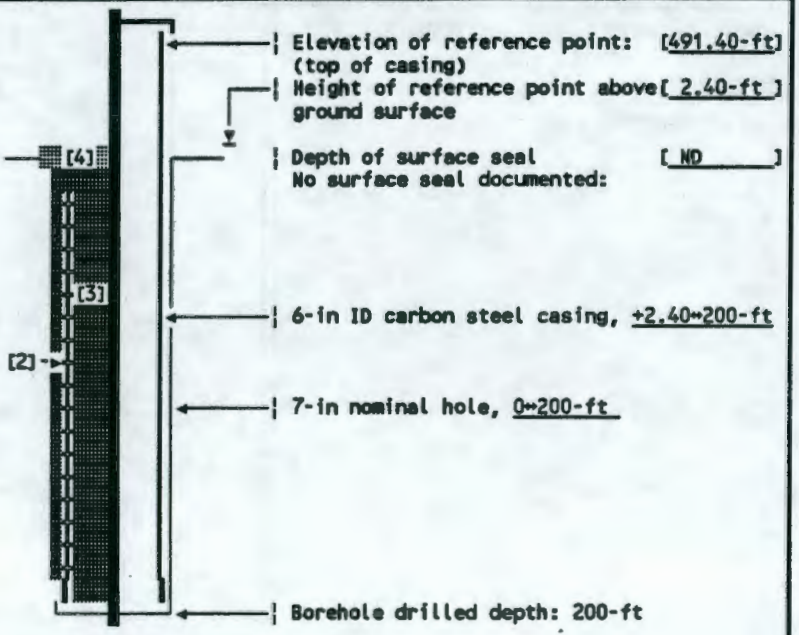
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-200-ft

[3] Place cement grout from 3-200-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



DTB=Depth to bottom: 194.78-ft

Drawing By: TJW/6N39W07I.PLN
Date : 29Sep95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2610
2. Well Name: 699-39-7J

Page 1 of 2

3. Has a need for use of the well been identified and documented?
   [No] No potential user identified
4. Is well presently in use?
   [No] No use identified
5. Is casing sealed in accordance with IAW WAC 173-160-075?
   [No] No documentation of annular seal
   5a. Natural barriers preserved?
   [N/A] Well terminates within upper unconfined aquifer
   5b. Aquifer/strata pentrated permanently sealed?
   [No] No seal documented
   5c. Annulus sealed against surface water?
   [No] No surface seal documented
   5d. Casing overlap more than 8 ft; packed and grouted?
   [N/A] Not applicable
6. If not in use, is well capped IAW WAC 173-160-085?
   [Yes] Well is capped
7. Is design and construction IAW WAC 173-160-500?
   [No] No annular seal documented
   7a. Saturated formation/aquifers not connected?
   [N/A] Not applicable
   7b. Cuttings/development water handled IAW WAC 173-303?
   [N/A] Well drilled before applicable date of WAC 173-303
   7c. Well properly indentified?
   [No] No permanent identification
8. Is surface protection IAW WAC 173-160-510?
   [No] No surface seal documented
   8a. Well capped and protected?
   [Yes] Well is capped, not locked or protected
   8b. Protective posts, surface pad or cover installed?
   [No] No post or pad in place
   8c. Surface protection waived or variance obtained?
   [N/A] Not applicable
   8d. Is existing surface protection damaged?
   [N/A] Not applicable
9. Are casing materials IAW 173-160-520?
   [N/A] Not applicable
10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
   [N/A] Not applicable
   10a. Drill rig/equipment casing/screen cleaned?
   [N/A] Not applicable
   10b. Filter pack cleaned? Material compatible?
   [N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
   [N/A] Not applicable
   11a. Screened interval documented?
   [No] Not applicable
   11b. Vertical lithology documented?
   [No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2610
2. Well Name: 699-39-7J

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/21/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

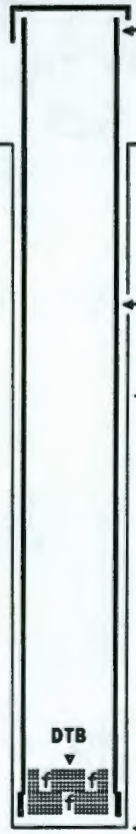
Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7J B2610
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,275 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 488.8-ft Estimated

Depth to water: 118.66 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's log

Not documented



Elevation of reference point: [491.18-ft]
(top of casing)

Height of reference point above [2.38-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.38-150-ft

7-in nominal hole, 0-150-ft

Borehole drilled depth: 150-ft

DTB=Depth to bottom: 141.10-ft

Drawing By: TJW/6N39W07J.ASB
Date : 01Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7J B2610
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,275 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 488.8-ft Estimated

Depth to water: 118.66 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

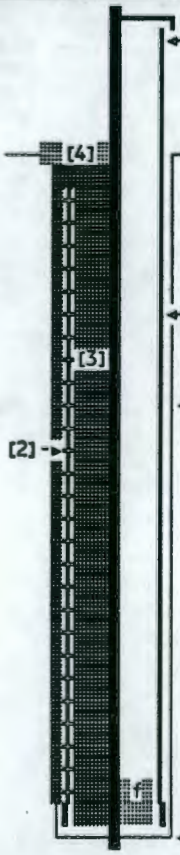
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing, 3↔150-ft

[3] Place cement grout from 3↔150-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [491.18-ft]
(top of casing)

Height of reference point above ground surface [2.38-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.38↔150-ft

7-in nominal hole, 0↔150-ft

Borehole drilled depth: 150-ft

DTB=Depth to bottom: 141.10-ft

Drawing By: TJW/6N39W07J.PLN
Date : 01Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2611	2. Well Name 699-39-7K
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2611
2. Well Name: 699-39-7K

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/23/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7K B2611
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,300 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 488.3-ft Estimated

Depth to water: 118.10 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's log

Not documented

Elevation of reference point: [491.32-ft]
(top of casing)

Height of reference point above ground surface [3.02-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +3.02-150-ft

7-in nominal hole, 0-150-ft

Borehole drilled depth: 150-ft

DTB=Depth to bottom: 141.46-ft

Drawing By: TJW/6N39W07K.ASB
Date : 01Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7K B2611
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,300 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 488.3-ft Estimated

Depth to water: 118.10 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

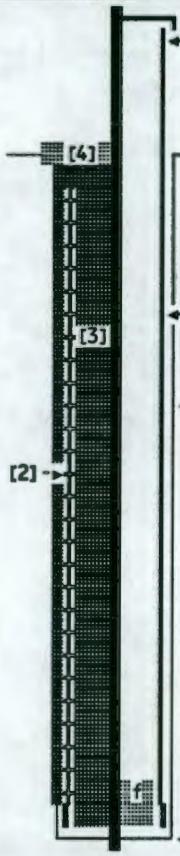
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-150-ft

[3] Place cement grout from 3-150-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [491.32-ft] (top of casing)

Height of reference point above ground surface [3.02-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +3.02-150-ft

7-in nominal hole, 0-150-ft

Borehole drilled depth: 150-ft

DTB=Depth to bottom: 141.46-ft

Drawing By: TJW/6N39W07K.PLN
Date : 01Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2612	2. Well Name 699-39-7L
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2612
2. Well Name: 699-39-7L

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/23/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7L B2612
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39.312 E/W W 6.820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 488.0-ft Estimated

Depth to water: DRY 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's log

Not documented.

Elevation of reference point: [490.96-ft]
(top of casing)

Height of reference point above [2.96-ft]
ground surface

Depth of surface seal [NO]
No surface seal documented:

6-in ID carbon steel casing, +2.96↔100-ft

7-in nominal hole, 0↔100-ft

Borehole drilled depth: 100-ft

DTB=Depth to bottom: 95.18-ft

Drawing By: TJW/6N39W07L.ASB
Date : 01Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary	Sample Method: Casing hammer	WELL NUMBER: 699-39-7L B2612
Drilling Fluid Used: Air	Additives Used: Not documented	TEMPORARY WELL NO:
Driller's Name: Not documented	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 39,312 E/W W 6,820
Drilling Company: Not documented	Company Location: Not documented	State Coordinates: N E
Date Started: Jun81	Date Complete: Jun81	Start Card #: Not documented T 12N R 28E S 7
		Elevation Ground surface: 488.0-ft Estimated

Depth to water: DRY 16Aug95
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

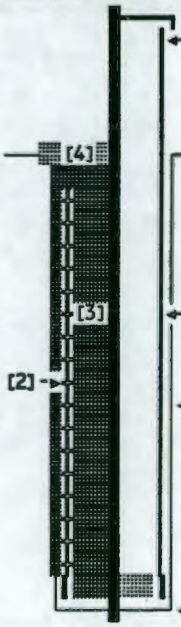
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-100-ft

[3] Place cement grout from 3-100-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [490.96-ft]
(top of casing)

Height of reference point above [2.96-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.96-100-ft

7-in nominal hole, 0-100-ft

Borehole drilled depth: 100-ft

DTB=Depth to bottom: 95.18-ft

Drawing By: TJW/6N39W07L.PLN
Date : 01Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2613	2. Well Name 699-39-7M
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2613
2. Well Name: 699-39-7M

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/24/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

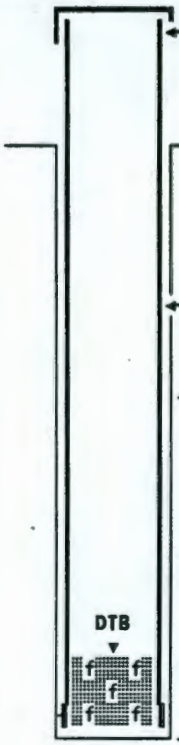
Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7M B2613
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,347 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.9-ft Estimated

Depth to water: 127.92 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's log

Not documented



Elevation of reference point: [490.80-ft]
(top of casing)

Height of reference point above [2.90-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.90-225-ft

7-in nominal hole, 0-225-ft

Borehole drilled depth: 225-ft

DTB=Depth to bottom: 214.32-ft

Drawing By: TJW/6N39W07M.ASB
Date : 02OCT95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7M B2613
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,347 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.9-ft Estimated

Depth to water: 127.92 16Aug95
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

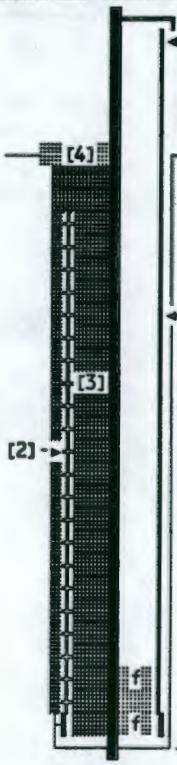
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-225-ft

[3] Place cement grout from 3-225-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [490.80-ft]
(top of casing)

Height of reference point above ground surface [2.90-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.90-225-ft

7-in nominal hole, 0-225-ft

Borehole drilled depth: 225-ft

DTB=Depth to bottom: 214.32-ft

Drawing By: TJW/6N39W07M.PLN
Date : 02OCT95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2614	2. Well Name 699-39-7N
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2614
2. Well Name: 699-39-7N

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/26/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7N B2614 TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,392 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.7-ft Estimated

Depth to water: 119.00 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY | Driller's log

Not documented

Elevation of reference point: [490.85-ft]
(top of casing)

Height of reference point above [3.15-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +3.15-150-ft

7-in nominal hole, 0-150-ft

Borehole drilled depth: 150-ft

DTB=Depth to bottom: 149.10-ft

Drawing By: TJW/6N39W07N.ASB
Date : 01Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-7N B2614
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,392 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.7-ft Estimated

Depth to water: 119.00 16Aug95
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

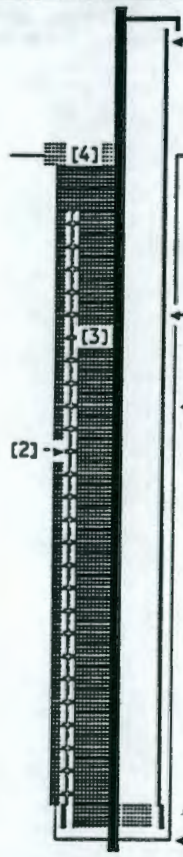
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-150-ft

[3] Place cement grout from 3-150-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [490.85-ft]
(top of casing)

Height of reference point above ground surface [3.15-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +3.15-150-ft

7-in nominal hole, 0-150-ft

Borehole drilled depth: 150-ft

DTB=Depth to bottom: 149.10-ft

Drawing By: TJW/6N39W07N.PLN
Date : 01Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2615	2. Well Name 699-39-70
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Well is capped, not locked or protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2615
2. Well Name: 699-39-70

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: _____ Date: 06/27/81 Company: Golder
Geologist: _____ Date: _____ Company: _____
Geophysical: _____ Date: _____ Company: _____
Television: _____ Date: _____ Company: _____

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/16/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other Seismic shot hole	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Air Rotary
Drilling Fluid Used: Air
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: Jun81

Sample Method: Casing hammer
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Jun81

WELL NUMBER: 699-39-70 B2615
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,437 E/W W 6,820
State Coordinates: N E
Start Card #: Not documented T 12N R 28E S 7
Elevation Ground surface: 487.5-ft Estimated

Depth to water: 102.53 16Aug95
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's log

Not documented

Elevation of reference point: [489.85-ft]
(top of casing)

Height of reference point above ground surface [2.35-ft]

Depth of surface seal [ND]
No surface seal documented:

6-in ID carbon steel casing, +2.35→125-ft

7-in nominal hole, 0→125-ft

Borehole drilled depth: 125-ft

DTB=Depth to bottom: 120.44-ft

Drawing By: TJW/6N39W070.ASB
Date : 01Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Air Rotary	Sample Method: Casing hammer
Drilling Fluid Used: Air	Additives Used: Not documented
Driller's Name: Not documented	WA State Lic Nr: Not documented
Drilling Company: Not documented	Company Location: Not documented
Date Started: Jun81	Date Complete: Jun81

WELL NUMBER: 699-39-70 B2615 TEMPORARY WELL NO: _____

Hanford Coordinates: N/S N 39,437 E/W W 6,820

State Coordinates: N _____ E _____

Start Card #: Not documented T 12N R 28E S 7

Elevation Ground surface: 487.5-ft Estimated

Depth to water: 102.53 16Aug95 (Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES (Depths from ground surface)

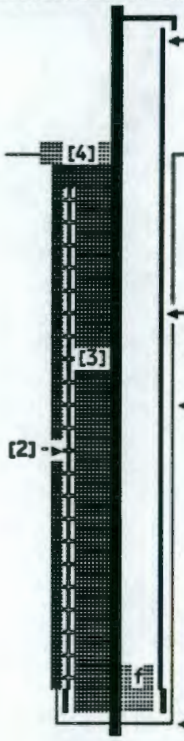
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3↔125-ft

[3] Place cement grout from 3↔125-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE: Order of work to be determined by field conditions.



Elevation of reference point: [489.85-ft] (top of casing)

Height of reference point above ground surface [2.35-ft]

Depth of surface seal [ND] No surface seal documented:

6-in ID carbon steel casing, +2.35↔125-ft

7-in nominal hole, 0↔125-ft

Borehole drilled depth: 125-ft

DTB=Depth to bottom: 120.44-ft

Drawing By: TJW/6N39W070.PLN
Date : 01Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID B-2616	2. Well Name 699-36-E3B
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documented annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper sediment

5b. Aquifer/strata pentrated permanently sealed?
[No] No seals documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 6 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[No] Not capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Drilled prior to date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Not capped or protected

8b. Protective posts, surface pad or cover installed?
[No] Not applicable

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[N/A] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: B-2616
2. Well Name: 699-36-E3B

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 12/01/80 Company: Golder
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M. A. Chamness and J.K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/17/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool (nom)
Drilling Fluid Used: Not documented
Driller's Name: Not documented
Drilling Company: Golder
Date Started: Not documented

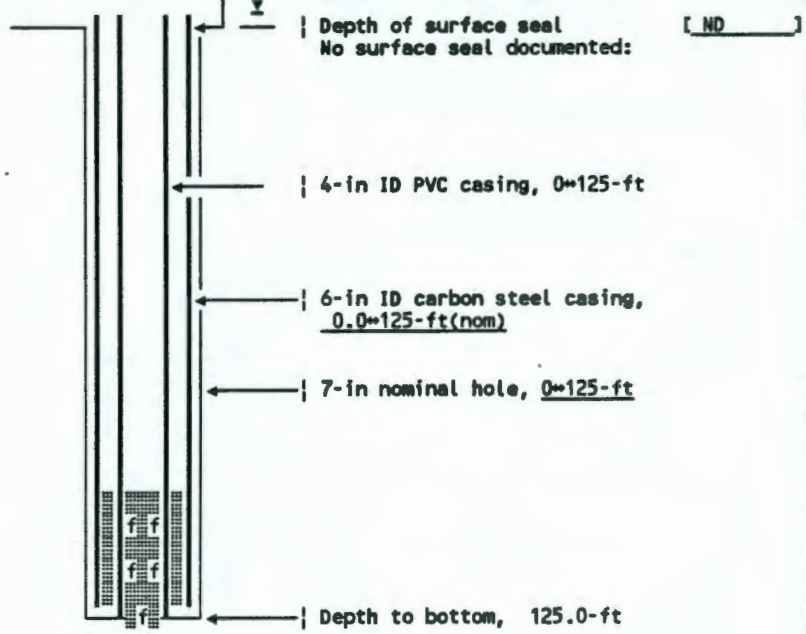
Sample Method: Not documented
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Dec-80

WELL NUMBER: 699-36-E3B B2616
TEMPORARY WELL NO: 699-36-E3
Hanford Coordinates: N/S N 35,503 E/W W 2,890
State Coordinates: N _____ E _____
Start Card #: Not documented T12N R28E S9
Elevation Ground surface: 465.0-ft Estimated

Depth to water: Not documented
(Ground surface)

GENERALIZED STRATIGRAPHY | Driller's Log

0-125: Not documented



Drawing By: TJW/6N36E3B.ASB
Date : 29Aug95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool (nom)
Drilling Fluid Used: Not documented
Driller's Name: Not documented
Drilling Company: Golder
Date Started: Not documented

Sample Method: Not documented
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: Dec-80

WELL NUMBER: 699-36-E3B B2616
TEMPORARY WELL NO: 699-36-E3
Hanford Coordinates: N/S N 35,503 E/W W 2,890
State Coordinates: N E
Start Card #: Not documented T12N R28E S9
Elevation Ground surface: 465.0-ft Estimated

Depth to water: Not documented
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

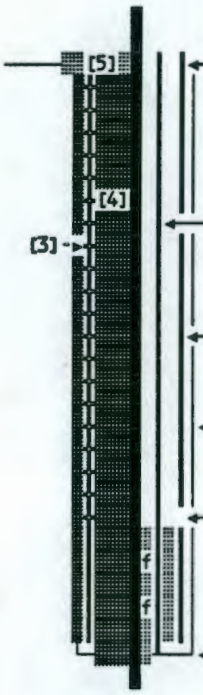
[1] Establish depth to bottom, clean out

[2] Remove inner casing, pull drill out

[3] Perforate 6-in casing, 3-100-ft or above the break

[4] Grout with cement from 125-ft back to 3-ft

[5] Cut casing at 3-ft. place cement, brass pin and plate, fill to grade



Elevation of reference point: [465.00-ft]
(top of casing) Estimated
Height of reference point above [0.00-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented:

4-in ID PVC casing, 0-125-ft

6-in ID carbon steel casing, 0.0-125-ft(nom)

7-in nominal hole, 0-125-ft

Casing broken at approx. 100-ft

Depth to bottom, 125.0-ft

NOTE:
Order of work to be determined by field conditions.

Drawing By: TJW/6N36E3B.PLN
Date : 29Aug95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8663	2. Well Name 699-42-12B
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Capped and protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] Casing perforated 140-ft to 240-ft

11b. Vertical lithology documented?
[Yes] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8663
2. Well Name: 699-42-12B

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Aqua Drilling Co. Date: 04/23/76 Company: Aqua
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 07/25/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Cyclone Tierre Tigre
Method: Air Rotary
Drilling
Fluid Used: Air
Driller's
Name: Not documented
Drilling
Company: Aqua Drilling
Date
Started: 20Apr76

Sample
Method: Air returns
Additives
Used: Detergent
WA State
Lic Nr: Not documented
Company
Location: CourdAlene ID
Date
Complete: 23Apr76

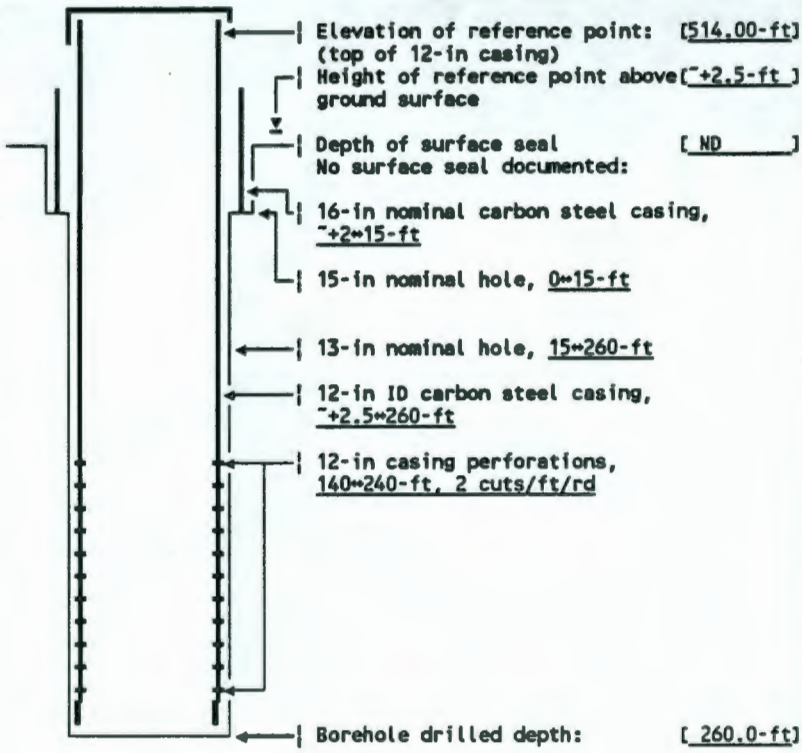
WELL
NUMBER: 699-42-12B A8663
TEMPORARY
WELL NO:
Hanford
Coordinates: N/S Not documented E/W Not doc
State
Coordinates: N Not documented E Not documented
Start
Card #: Not documented T 12N R 27E S 1K2
Elevation
Ground surface: 511.5-ft Estimated

Depth to water: ~160-ft 22Apr76
(Ground surface) 140.95-ft 25Jul95

GENERALIZED STRATIGRAPHY
Technician's Log

0-20: Sandy GRAVEL
25-35: Sandy pebble GRAVEL
35-40: Slightly sandy pebble GRAVEL
40-45: Gravelly SAND
45-55: SAND
55-75: Gravelly SAND
75-95: Sandy GRAVEL
95-115: Gravelly SAND
115-150: Sandy GRAVEL
150-155: Gravelly SAND
155-160: Slightly gravelly SAND
160-165: Muddy, sandy GRAVEL
165-180: Sandy GRAVEL
180-185: SAND
185-195: Sandy GRAVEL
195-210: Gravelly SAND
210-215: SAND
215-225: Sandy GRAVEL
225-250: SAND
250-260: CLAY w/SILT

REMEDIATION:
Jun76 by M Bultena
Perforated, 140-240-ft



Drawing By: TJW/6N42W12B.ASB
Date : 04Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Cyclone Tierre Tigre
Method: Air Rotary
Drilling
Fluid Used: Air
Driller's
Name: Not documented
Drilling
Company: Aqua Drilling
Date
Started: 20Apr76

Sample
Method: Air returns
Additives
Used: Detergent
WA State
Lic Nr: Not documented
Company
Location: CourdAlene ID
Date
Complete: 23Apr76

WELL
NUMBER: 699-42-12B A8663
TEMPORARY
WELL NO:
Hanford
Coordinates: N/S Not documented E/W Not doc
State
Coordinates: N Not documented E Not documented
Start
Card #: Not documented T 12N R 27E S 1K2
Elevation
Ground surface: 511.5-ft Estimated

Depth to water: ~160-ft 22Apr76
(Ground surface) 140.95-ft 25Jul95

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Establish depth to bottom, cleanout

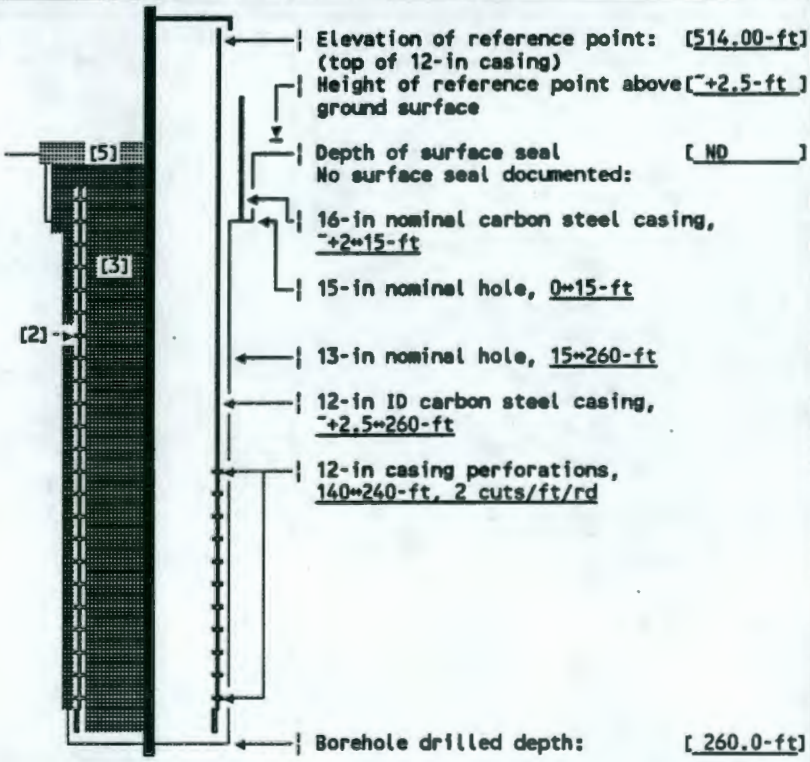
[2] Perforate 12-in casing from 3-140-ft

[3] Place cement grout from 3-260-ft

[4] Remove 16-in surface casing

[5] Cut 12-in casing at 3-ft place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Drawing By: TJW/6N42W12B.PLN
Date : 04Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8664	2. Well Name 699-42-12C
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Capped and protected

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[No] Not applicable

11b. Vertical lithology documented?
[Yes] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8664
2. Well Name: 699-42-12C

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Aqua Drilling Co. Date: 05/06/76 Company: Aqua
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 07/25/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Cyclone Tierre Tigre
Method: Air Rotary
Drilling
Fluid Used: Air
Driller's
Name: Not documented
Drilling
Company: Aqua Drilling Co
Date
Started: 06May76

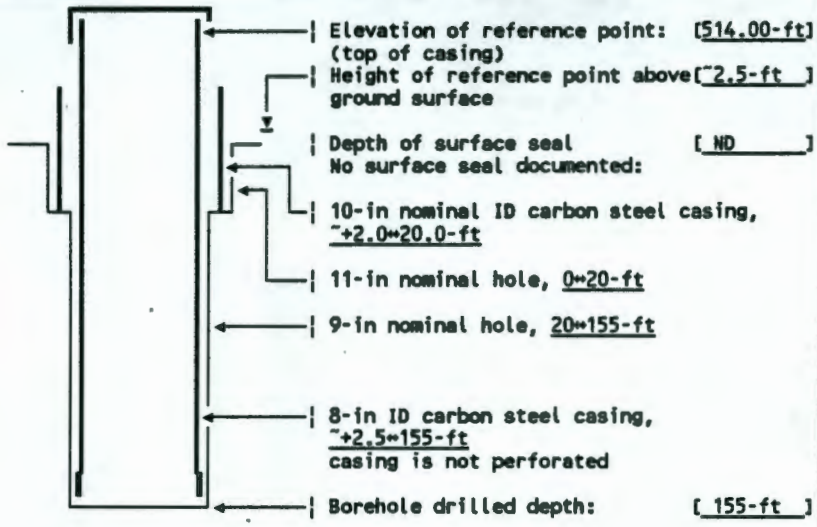
Sample
Method: Air returns
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Cour d'Alene ID
Date
Complete: 06May76

WELL
NUMBER: 699-42-12C A8664
TEMPORARY
WELL NO:
Hanford
Coordinates: N/S Not documented E/W Not doc
State
Coordinates: N Not documented E Not documented
Start
Card #: Not documented T 12N R 27E S 1K3
Elevation
Ground surface: 511.5-ft Estimated

Depth to water: 140.65-ft
(Ground surface) 25Jul95

GENERALIZED STRATIGRAPHY — Technician's Log

0-40: Sandy GRAVEL
40-55: SAND
55-75: Gravelly SAND
75-95: Sandy GRAVEL
95-105: Gravelly SAND
105-120: Slightly gravelly SAND
120-125: Gravelly SAND
125-130: Sandy GRAVEL
130-135: Gravelly SAND
140-145: Sandy GRAVEL
145-150: SAND
150-155: Sandy GRAVEL



Drawing By: TJW/6N42W12C.ASB
Date : 04Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Cyclone Tierre Tigre
Method: Air Rotary
Drilling
Fluid Used: Air
Driller's
Name: Not documented
Drilling
Company: Aqua Drilling Co
Date
Started: 06May76

Sample
Method: Air returns
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Cour d'Alene ID
Date
Complete: 06May76

WELL
NUMBER: 699-42-12C A8664
TEMPORARY
WELL NO:
Hanford
Coordinates: N/S Not documented E/W Not doc
State
Coordinates: N Not documented E Not documented
Start
Card #: Not documented T 12N R 27E S 1K3
Elevation
Ground surface: 511.5-ft Estimated

Depth to water: 140.65-ft
(Ground surface) 25Jul95

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

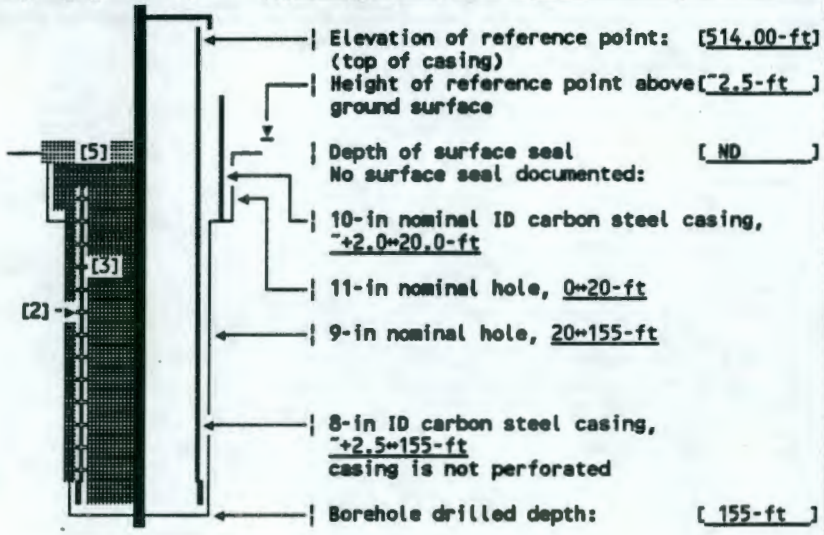
[1] Establish depth to bottom, clean out

[2] Perforate 8-in casing from 3↔155-ft

[3] Place cement grout from 3↔155-ft

[4] Remove 10-in surface casing

[5] Cut 8-in casing at 3-ft, place cement cap, brass marker and fill to grade



NOTE:
Order of work to be determined by field conditions.

Drawing By: TJW/6N42W12C.PLN
Date : 04Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8993
2. Well Name: 699-80-43P

Page 1 of 2

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[No] Well is capped with pipe plug

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Well is capped with pipe plug, not locked

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] Screened from 435-ft to 445-ft

11b. Vertical lithology documented?
[Yes] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8993
2. Well Name: 699-80-43P

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Wood/Lovdahl/Varner Date: 12/12/65 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/08/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Mud Rotary (Assumed)
Drilling Fluid Used: Mud (Assumed)
Driller's Name: Wood/Lovdahl/Varner
Drilling Company: Not documented
Date Started: 21Nov656

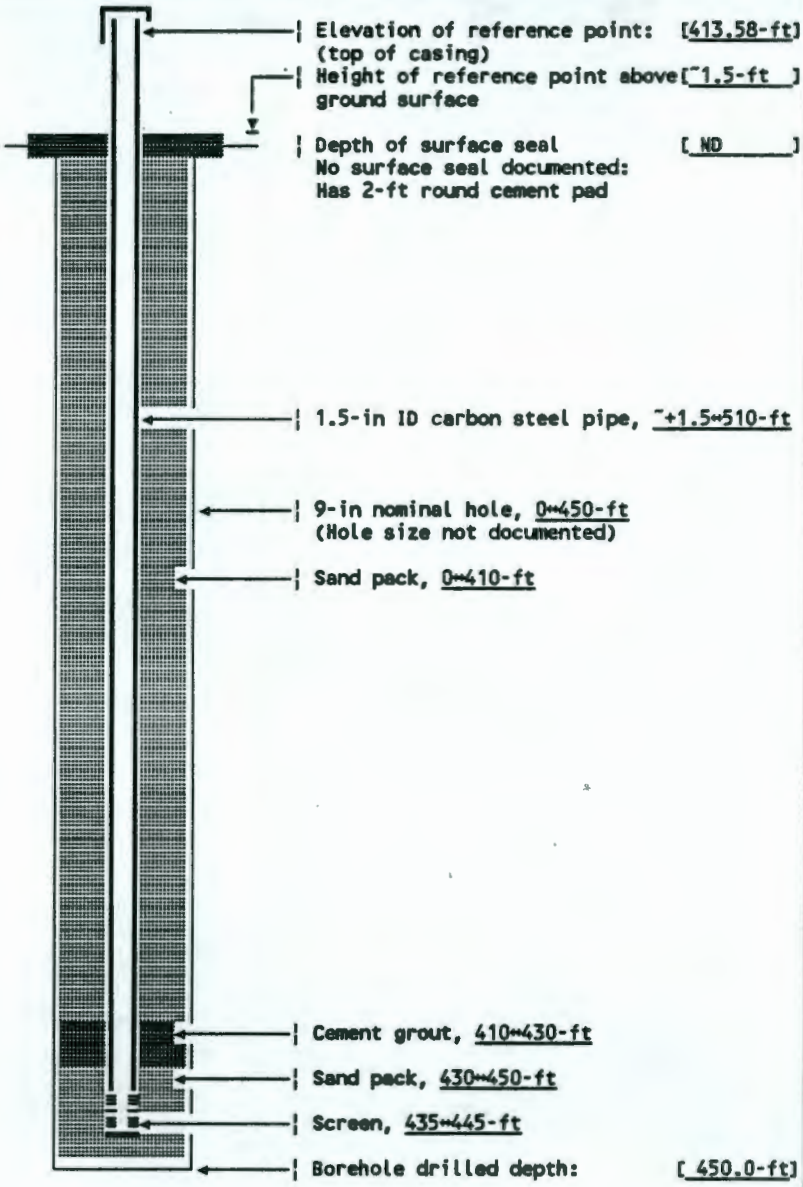
Sample Method: Mud return
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Cour d'Alene ID
Date Complete: 12Dec65

WELL NUMBER: 699-80-43P A8993
TEMPORARY WELL NO: 79-44 P
Hanford Coordinates: N/S N 79,538 E/W W 43,176
State Coordinates: N 484,729 E 2,251,945
Start Card #: Not documented T 14N R 26E S 36M1
Elevation Ground surface: 412.0-ft Estimated

Depth to water: Not documented
(Ground surface)

GENERALIZED STRATIGRAPHY — Driller's Log

0-39: Not documented
39-45: GRAVEL
45-46: CLAY & GRAVEL
46-75: Sandy CLAY
75-90: Brown sandy CLAY
90-112: CLAY
112-126: Sandy CLAY w/GRAVEL
126-150: Sandy CLAY
150-225: Sandy CLAY w/GRAVEL
225-240: Sandy CLAY
240-270: Clayey SAND
270-285: Clayey SAND w/GRAVEL
285-360: Sandy CLAY
360-380: Sandy CLAY w/GRAVEL
380-390: Green sandy CLAY
390-405: Blue-green sandy CLAY
405-421: Blue-gray sticky CLAY
421-435: Blue-gray CLAY w/GRAVEL
435-440: Blue CLAY w/GRAVEL
440-450: BASALT



Drawing By: RKL/6N80W43P.ASB
Date : 02Sep94
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Mud Rotary (Assumed)
Drilling Fluid Used: Mud (Assumed)
Driller's Name: Wood/Lovdahl/Varner
Drilling Company: Not documented
Date Started: 21Nov656

Sample Method: Mud return
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Cour d'Alene ID
Date Complete: 12Dec65

WELL NUMBER: 699-80-43P A8993
TEMPORARY WELL NO: 79-44 P
Hanford Coordinates: N/S N 79,538 E/W W 43,176
State Coordinates: N 484,729 E 2,251,945
Start Card #: Not documented T 14N R 26E S 36M1
Elevation Ground surface: 412.0-ft Estimated

Depth to water: 26.12-FT
(Ground surface) 18Aug95

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Remove ABS inner piping

[2] Remove concrete collar

[3] Perforate from 375-450-ft

[4] Pressure grout perforated interval

[5] Perforate from 40-375-ft

[6] Grout boring from 375-105-ft

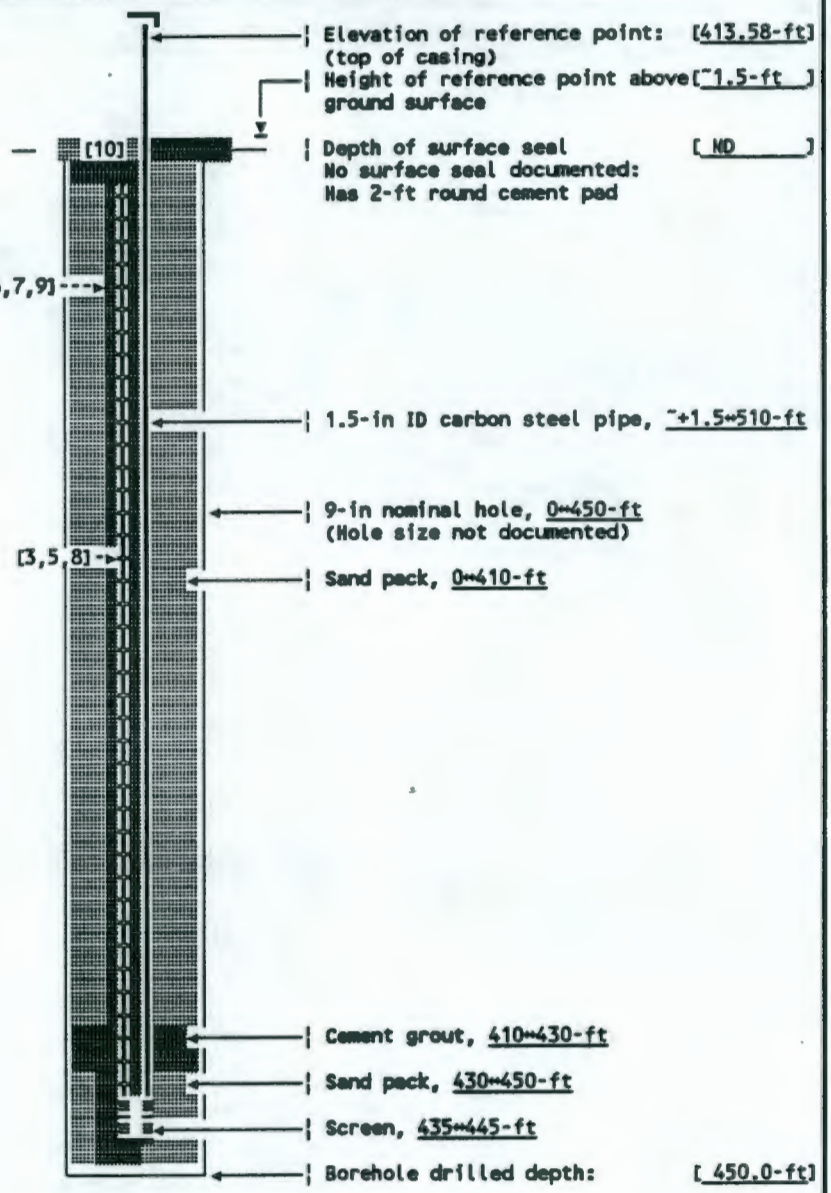
[7] Pressure grout from 105-40-ft

[8] Perforate from 40-3-ft

[9] Grout from 40-3-ft

[10] Place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Drawing By: TJW/6N80W43P.PLN
Date : 19Dec95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8994	2. Well Name 699-80-43Q
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[No] Well is capped with pipe plug

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Well is capped with pipe plug, not locked

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] Screened from 220-ft to 230-ft

11b. Vertical lithology documented?
[Yes] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8994
2. Well Name: 699-80-43Q

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Wood/Lovdahl Date: 12/08/65 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:
Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/08/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Mud Rotary (Assumed)
Drilling Fluid Used: Mud (Assumed)
Driller's Name: Wood/Lovdahl
Drilling Company: Not documented
Date Started: 02Dec65

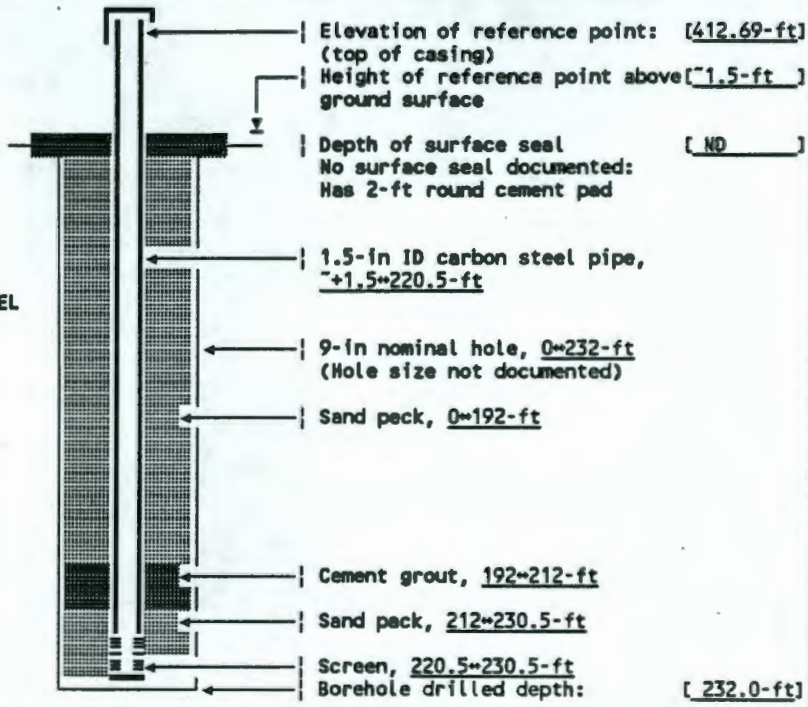
Sample Method: Mud return
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Cour d'Alene ID
Date Complete: 08Dec65

WELL NUMBER: 699-80-43Q A8994
TEMPORARY WELL NO: 79-44 Q
Hanford Coordinates: N/S N 79,588 E/W W 43,178
State Coordinates: N 484,779 E 2,251,942
Start Card #: Not documented T 14N R 26E S 36M2
Elevation Ground surface: 411.2-ft Estimated

Depth to water: 26.95-ft
(Ground surface) 08Aug95

GENERALIZED STRATIGRAPHY — Driller's Log

0-30: GRAVEL-SAND
30-42: GRAVEL
42-55: Sandy CLAY w/GRAVEL
55-90: Brown CLAY
90-105: Brownish gray CLAY
105-150: Sandy CLAY + GRAVEL
150-165: Sandy CLAY = very cse GRAVEL
165-180: SAND & CLAY
180-232: Not documented



Drawing By: TJW/6N80W43Q.ASB
Date : 04Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Mud Rotary (Assumed)	Sample Method: Mud return	WELL NUMBER: 699-80-43Q A8994	TEMPORARY WELL NO: 79-44 Q
Drilling Fluid Used: Mud (Assumed)	Additives Used: Not documented	Hanford Coordinates: N/S N 79,588	E/W W 43,178
Driller's Name: Wood/Lovdahl	WA State Lic Nr: Not documented	State Coordinates: N 484,779	E 2,251,942
Drilling Company: Not documented	Company Location: Cour d'Alene ID	Start Card #: Not documented	T 14N R 26E S 36M2
Date Started: 02Dec65	Date Complete: 08Dec65	Elevation Ground surface: 411.2-ft Estimated	

Depth to water: 26.95-ft
(Ground surface) 08Aug95

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Remove ABS inner piping

[2] Remove concrete pad

[3] Perforate from 190-232-ft

[4] Pressure grout perforated interval

[5] Perforate from 40-190-ft

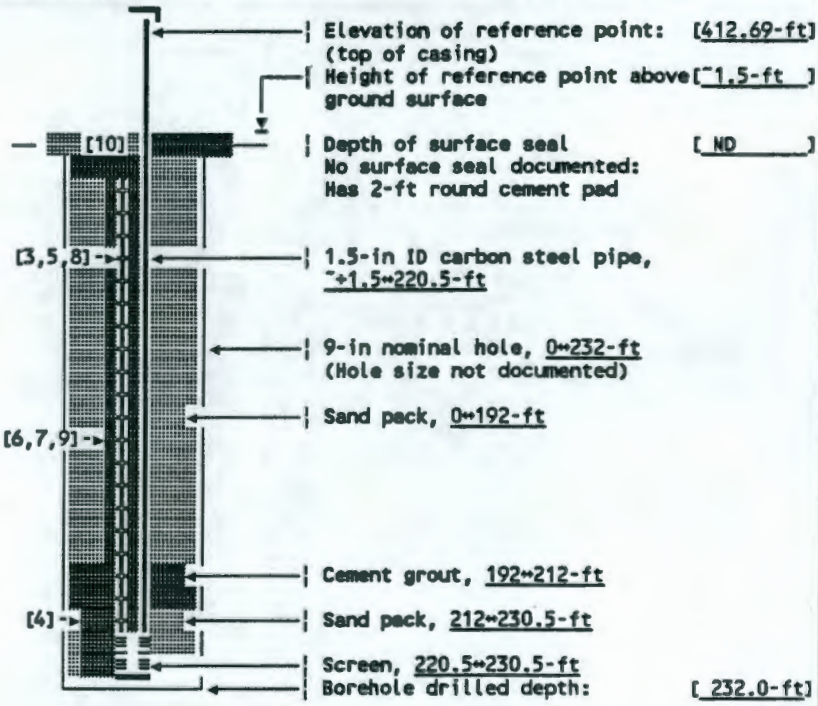
[6] Grout boring from 190-105

[7] Pressure grout from 105-40-ft

[8] Perforate from 40-3-ft

[9] Grout from 40-3-ft

[10] Cut casing at 3-ft, place cement cap, brass marker and fill to grade



NOTE:
Order of work to be determined by field conditions.

Drawing By: TJW/6N80W43Q.PLN
Date : 20Dec95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8995	2. Well Name 699-80-43R
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[No] Well is capped with pipe plug

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Well is capped with pipe plug, not locked

8b. Protective posts, surface pad or cover installed?
[No] No post or pad in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] Screened from 130-ft to 140-ft

11b. Vertical lithology documented?
[Yes] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8995
2. Well Name: 699-80-43R

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Wood/Lovdahl Date: 12/07/65 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:
Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/08/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Mud Rotary (Assumed)
Drilling Fluid Used: Mud (Assumed)
Driller's Name: Wood/Lovdahl
Drilling Company: Not documented
Date Started: 03Dec65

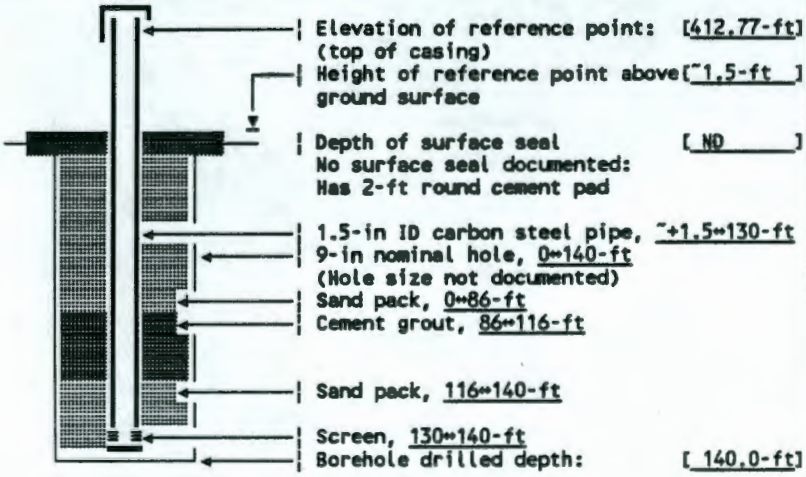
Sample Method: Mud return
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Cour d'Alene ID
Date Complete: 07Dec65

WELL NUMBER: 699-80-43R A8995
TEMPORARY WELL NO: 79-44 R
Hanford Coordinates: N/S N 79,638 E/W W 43,180
State Coordinates: N 484,829 E 2,251,941
Start Card #: Not documented T 14N R 26E S 32H3
Elevation Ground surface: 411.3-ft Estimated

Depth to water: 26.0-ft
(Ground surface) 08Aug95

GENERALIZED STRATIGRAPHY — Driller's Log

0-42: GRAVEL
42-60: Sandy CLAY w/GRAVELS
60-75: CLAY w/GRAVELS
75-105: Firm CLAY



Drawing By: TJW/6N80W43R.ASB
Date : 04Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Mud Rotary (Assumed)
Drilling Fluid Used: Mud (Assumed)
Driller's Name: Wood/Lovdahl
Drilling Company: Not documented
Date Started: 03Dec65

Sample Method: Mud return
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Cour d'Alene ID
Date Complete: 07Dec65

WELL NUMBER: 699-80-43R A8995
TEMPORARY WELL NO: 79-44 R
Hanford Coordinates: N/S N 79,638 E/W W 43,180
State Coordinates: N 484,829 E 2,251,941
Start Card #: Not documented T 14N R 26E S 32H3
Elevation Ground surface: 411.3-ft Estimated

Depth to water: 26.0-ft
(Ground surface) 08Aug95

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Remove ABS inner piping

[2] Remove concrete collar

[3] Perforate from 140-90-ft

[4] Pressure grout perforated interval

[5] Perforate from 90-40-ft

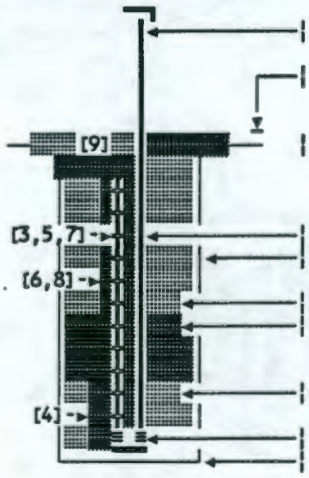
[6] Pressure grout from 90-40-ft

[7] Perforate from 40-3-ft

[8] Grout from 40-3-ft

[9] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [412.77-ft]
(top of casing)
Height of reference point above [~1.5-ft]
ground surface
Depth of surface seal [ND]
No surface seal documented:
Has 2-ft round cement pad
1.5-in ID carbon steel pipe, ~+1.5-130-ft
9-in nominal hole, 0-140-ft
(Hole size not documented)
Sand pack, 0-86-ft
Cement grout, 86-116-ft
Sand pack, 116-140-ft
Screen, 130-140-ft
Borehole drilled depth: [140.0-ft]

Drawing By: TJW/6N80W43R.PLN
Date : 20Dec95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID	2. Well Name
A-5640	199-F2-1

Page 1 of 2

3. Has a need for use of the well been identified and documented?
[NO] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper sediment layer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[No] Not capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Not capped or protected

8b. Protective posts, surface pad or cover installed?
[No] Not present

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[N/A] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-5640
2. Well Name: 199-F2-1

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not aspplicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 05/00/43 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/08/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: May43

Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location:
Date Complete: May43

WELL NUMBER: 199-F2-1 A5640
TEMPORARY WELL NO: HRA
Hanford Coordinates: N/S N 82,085 E/W W 30,906
State NAD83 Coordinates: N E
Start Card #: Not documented T14N R27E S 33
Elevation Ground surface: 400.0-ft Estimated

Depth to water:
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's Log

Not documented

Elevation of reference point: [403.70-ft]
(top of casing)
Height of reference point above [3.7-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented

7-in nominal hole, 0-47-ft

6-in ID carbon steel casing, +3.7-47-ft

Borehole drilled depth: 47.0-ft

DTB=Depth to bottom: 30.9-ft

Drawing By: TJW/1-F2-01.ASB
Date : 16Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: May43

Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location:
Date Complete: May43

WELL NUMBER: 199-F2-1 A5640
TEMPORARY WELL NO: HRA
Hanford Coordinates: N/S N 82,085 E/W W 30,906
State NAD83 N E
Coordinates: N E
Start Card #: Not documented T14N R27E S 33
Elevation Ground surface: 400.0-ft Estimated

Depth to water:
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES (Depths from ground surface)

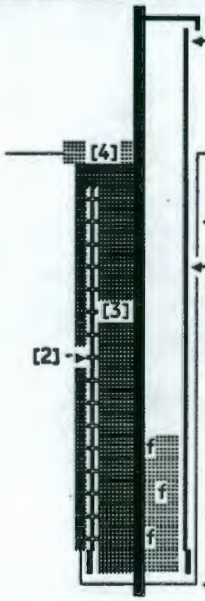
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-47-ft

[3] Place cement grout from 3-47-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [403.70-ft] (top of casing)

Height of reference point above ground surface [3.7-ft]

Depth of surface seal [ND]
No surface seal documented

7-in nominal hole, 0-47-ft

6-in ID carbon steel casing, +3.7-47-ft

Borehole drilled depth: 47.0-ft

DTB=Depth to bottom: 30.9-ft

Drawing By: TJW/1-F2-01.PLN
Date : 16Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-5641	2. Well Name 199-F2-2
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[NO] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper sediment layer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[No] Not capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Not capped or protected

8b. Protective posts, surface pad or cover installed?
[No] Not present

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[N/A] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-5641
2. Well Name: 199-F2-2

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not aspplicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 05/00/43 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:
Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/08/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: May43

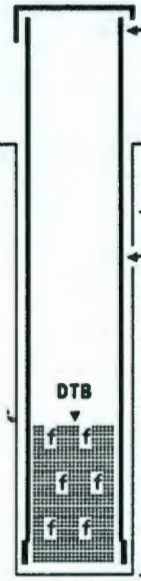
Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location:
Date Complete: May43

WELL NUMBER: 199-F2-2 A5641
TEMPORARY WELL NO: HRB
Hanford Coordinates: N/S N 82,029 E/W W 30,827
State NAD83 N E
Coordinates: N E
Start Card #: Not documented T14N R27E S 33
Elevation Ground surface: 396.35-ft Estimated

Depth to water:
(Ground surface)

GENERALIZED STRATIGRAPHY Driller's Log

Not documented



Elevation of reference point: [401.87-ft]
(top of casing)
Height of reference point above ground surface [5.52-ft]

Depth of surface seal [ND]
No surface seal documented

7-in nominal hole, 0-45-ft

6-in ID carbon steel casing, +5.5-45-ft

Borehole drilled depth: 45.0-ft

DTB=Depth to bottom: 30.6-ft

Drawing By: TJW/1-F2-02.ASB
Date : 17OCT95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Not documented
Drilling Company: Not documented
Date Started: May43

Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location:
Date Complete: May43

WELL NUMBER: 199-F2-2 A5641
TEMPORARY WELL NO: HRB
Hanford Coordinates: N/S N 82,029 E/W W 30,827
State NAD83 N E
Coordinates: N E
Start Card #: Not documented T14N R27E S 33
Elevation Ground surface: 396.35-ft Estimated

Depth to water:
(Ground surface)

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES (Depths from ground surface)

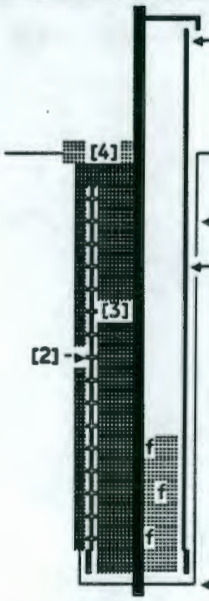
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-45-ft

[3] Place cement grout from 3-45-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [401.87-ft] (top of casing)

Height of reference point above ground surface [5.52-ft]

Depth of surface seal [ND]
No surface seal documented

7-in nominal hole, 0-45-ft

6-in ID carbon steel casing, +5.5-45-ft

Borehole drilled depth: 45.0-ft

DTB=Depth to bottom: 30.6-ft

Drawing By: TJW/1-F2-02.PLN
Date : 17Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-4588	2. Well Name 199-F5-2
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[NO] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within top of unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Capped, no posts or pad present

8b. Protective posts, surface pad or cover installed?
[N/A] Not applicable

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[N/A] Not applicable

11b. Vertical lithology documented?
[Yes] Has drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-4588	2. Well Name 199-F5-2
	Page 2 of 2	

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not aspplicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/10/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Gentz
Drilling Company: Not documented
Date Started: 22Jan53

Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location:
Date Complete: 02Feb53

WELL NUMBER: 199-F5-2 A4588
TEMPORARY WELL NO: 107-F-2
Hanford Coordinates: N/S N 79,738 E/W W 28,828
State Coordinates: N 484,966 E 2,266,292
Start Card #: Not documented T___ R___ S___
Elevation Ground surface: 411.6-ft Estimated

Depth to water: 34-ft Feb53
(Ground surface) ND

GENERALIZED STRATIGRAPHY Driller's Log

0-10: BOULDERS up to 12-in
10-11: BOULDERS and a little SAND
11-19: BOULDERS, 2-in up to 12-in
19-27: BOULDERS with a little SAND
27-30: GRAVEL up to 2-in with 25% SAND
30-40: GRAVEL and 50% SAND
40-45: GRAVEL and BOULDERS, up to 5-in 15% SAND
45-48: Pure SAND
48-50: Coarse GRAVEL
50-65: Coarse GRAVEL and 50% fine SAND
65-70: GRAVEL up to 3-in and fine SAND
70-75: 75% SAND and coarse GRAVEL
75-76: Ringold, coarse GRAVEL and SAND
76-85: Ringold, GRAVEL and CLAY
85-90: SAND, GRAVEL and CLAY
90-95: SAND, SILT and CALICHE
95-100: SILT, SAND and CLAY
100 : SAND, SILT with a little CALICHE

Elevation of reference point: [413.02-ft] (top of casing)
Height of reference point above ground surface [1.4-ft]
Depth of surface seal [ND]
No surface seal documented,
9-in nominal hole, 0-100-ft
8-in ID carbon steel casing, +1.4-100-ft
8-in casing perforations,
25-35-ft, cuts not documented
80-100-ft, cuts not documented
Borehole drilled depth: [100-ft]

DTB=Depth to bottom, 10.3-ft, 06Jun92

Drawing By: RKL/1-F5-02.ASB
Date : 030ct94
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool	Sample Method: Hard tool (nom)	WELL NUMBER: 199-F5-2 A4588
Drilling Fluid Used: Not documented	Additives Used: Not documented	TEMPORARY WELL NO: 107-F-2
Driller's Name: Gentz	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 79,738 E/W W 28,828
Drilling Company: Not documented	Company Location:	State Coordinates: N 484,966 E 2,266,292
Date Started: 22Jan53	Date Complete: 02Feb53	Start Card #: Not documented T 14N R 27E S 33
		Elevation Ground surface: 411.6-ft Estimated

Depth to water: 34-ft Feb53
(Ground surface) ND

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

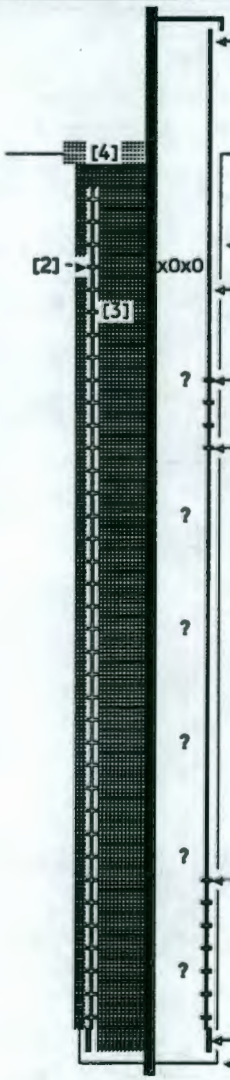
[1] Establish depth to bottom, clean out borehole

[2] Perforate 8-in casing from bottom to 3-ft

[3] Place cement grout from total depth to 3-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [413.02-ft]
(top of casing)

Height of reference point above [1.4-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented,

9-in nominal hole, 0-100-ft

8-in ID carbon steel casing, +1.4-100-ft

8-in casing perforations,
25-35-ft, cuts not documented
80-100-ft, cuts not documented

Borehole drilled depth: [100-ft]

DTB=Depth to bottom,
10.3-ft, 06Jun92

Drawing By: TJW/1-F5-02.PLN
Date : 20Dec95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID	2. Well Name
A-5738	199-K-10

Page 1 of 2

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documented annular seal

5a. Natural barriers preserved?
[No] Well terminates within top of unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seals documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Capped, not locked

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Drilled prior to date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] Capped, no posts or pad present

8b. Protective posts, surface pad or cover installed?
[N/A] Not applicable

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] Casing perforated 155-ft - 165-ft

11b. Vertical lithology documented?
[Yes] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-5738
2. Well Name: 199-K-10

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 08/06/52 Company: N/A
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M. A. Chamness and J.K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/09/95 Company:

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/23/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Row
Drilling Company: Not documented
Date Started: 23Jun52

Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 06Aug52

WELL NUMBER: 199-K-10 A5738
TEMPORARY WELL NO: Test Well #10
Hanford 100K Coordinates: N/S N 4,668.2 E/W W 5,580.2
State NAD83 Coordinates: N 146,628.35m E 568,913.10m
N 481,200 E 2,226,300
Start Card #: Not documented T___ R___ S___
Elevation Ground surface: 464.6-ft Estimated

Depth to water: 74.2-ft Aug52
(Ground surface) ~70.0-ft May61

GENERALIZED STRATIGRAPHY — Driller's Log

0-3: TOP SOIL
3-30: GRAVEL and SAND, hit BOULDER at 3 ft and 8 ft
30-40: Sandy SILT
40-45: Sandy SILT and GRAVEL
45-46: GRAVEL, no SILT
46-70: Cement GRAVEL and SAND
70-75: Cement GRAVEL
75-84: Cement GRAVEL and SAND
84-89: 75% coarse SAND & 25% GRAVEL
89-91: Not documented
91-96: 80% GRAVEL, 20% GRAVEL
96-97: 95% SAND and 5% GRAVEL
97-97.5: SAND
97.5-102: 60% SAND & 40% GRAVEL
102-104: 98% SAND
104-106.5: 70% GRAVEL & 30% SAND
106.5-108: BOULDERS/GRAVEL & SAND
108-115: 70% GRAVEL & 30% SAND
115-126: 70%Cement GRAVEL & 30%SAND
126-132.5: 90% GRAVEL & 10% SAND
132.5-133: 60% GRAVEL & 40% SAND
133-136: 90% GRAVEL & 10% SAND
136-140: 80% GRAVEL & 20% SAND
140-150: 80% SAND
150-156: 50% GRAVEL & 50% SAND
156-160: 70% GRAVEL & 20% cse SAND
160-163: 80% GRAVEL & 15% cse SAND
163-164: 70% GRAVEL w/sandy SILT
164-170: CLAY & SILT, GRAVEL, SHALE and SAND

Elevation of reference point: [465.11-ft] (top of casing)
Height of reference point above ground surface [0.5-ft]
Depth of surface seal [ND]
No surface seal documented,
13-in nominal hole, 0-170-ft
12-in ID carbon steel casing, +0.5-170-ft
12-in casing perforations, 155-165-ft, 12 holes/ft
Borehole drilled depth: [170.0-ft]

Drawing By: RKL/1-K-10.ASB
Date : 28Nov94
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool	Sample Method: Hard tool (nom)	WELL NUMBER: 199-K-10 A5738
Drilling Fluid Used: Not documented	Additives Used: Not documented	TEMPORARY WELL NO: Test Well #10
Driller's Name: Row	WA State Lic Nr: Not documented	Hanford 100K N 4,668.2 W 5,580.2
Drilling Company: Not documented	Company Location: Not documented	Coordinates: N/S N 76,100 E/W W 68,800
Date Started: 23Jun52	Date Complete: 06Aug52	State NAD83 N 146,628.35m E 568,913.10m
		Coordinates: N 481,200 E 2,226,300
		Start Card #: Not documented T___ R___ S___
		Elevation Ground surface: 464.6-ft Estimated

Depth to water: 74.2-ft Aug52
(Ground surface) ~70.0-ft May61

DIAGRAMMATIC DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Establish depth to bottom, clean out

[2] Perforate from 160-170-ft

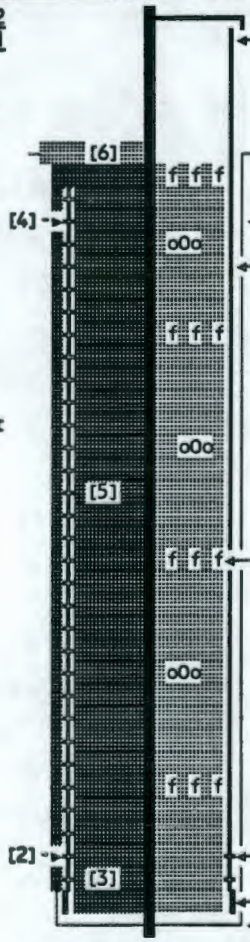
[3] Pressure grout perforated interval

[4] Perforate from 160-3-ft

[5] Grout borehole from 160-3-ft

[5] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [465.11-ft] (top of casing)

Height of reference point above ground surface [0.5-ft]

Depth of surface seal [ND]
No surface seal documented,

13-in nominal hole, 0-170-ft

12-in ID carbon steel casing, +0.5-170-ft

Borehole filled with natural material as a result of area decommissioning

12-in casing perforations, 155-165-ft, 12 holes/ft

Borehole drilled depth: [170.0-ft]

Drawing By: TJW/1-K-10.PLN
Date : 20Dec95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-5739	2. Well Name 199-K-12
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documented annular seal

5a. Natural barriers preserved?
[No] Well terminates within top of unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seals documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-065?
[No] Well is not capped or secured

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Drilled prior to date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[No] No cap, no posts or pad present

8b. Protective posts, surface pad or cover installed?
[No] None of the above

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[Yes] Well is partialy filled in with natural material

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] Casing perforated 117-ft - 137-ft

11b. Vertical lithology documented?
[Yes] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-5739
2. Well Name: 199-K-12

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 09/11/52 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:
Publications: Title, Author, Date
HANFORD WELLS, M. A. Chamness and J.K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/09/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:
Borehole partialy filled in due to area decommissioning

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/23/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Row
Drilling Company: Not documented
Date Started: 15Aug52

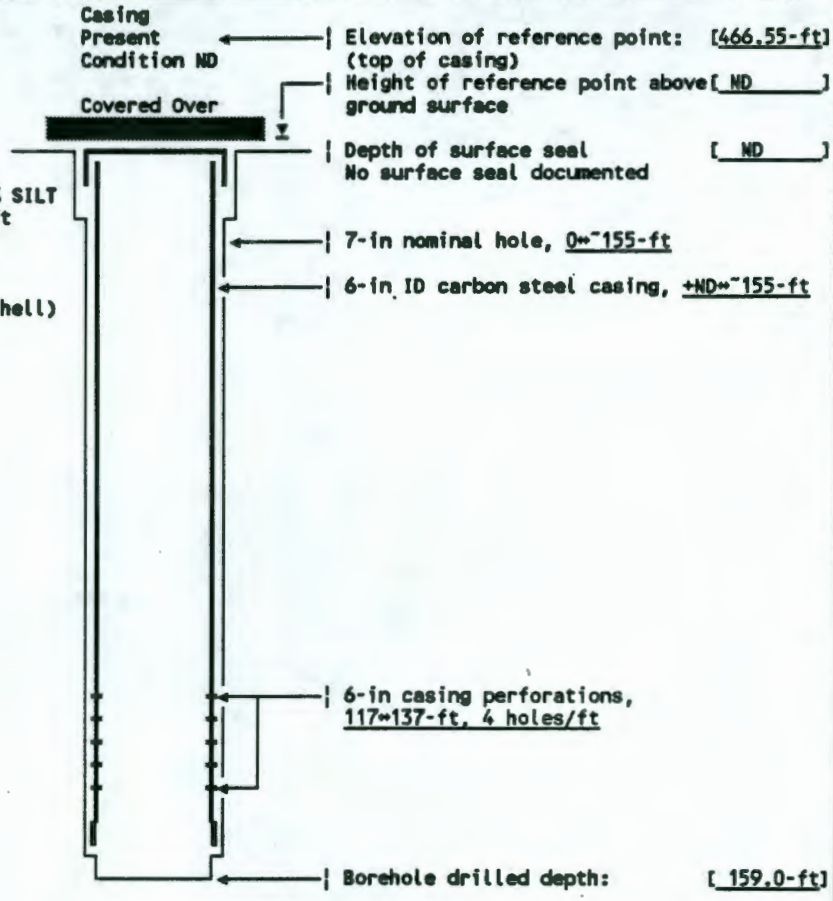
Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 11Sep52

WELL NUMBER: 199-K-12 A5739
TEMPORARY WELL NO: 100-K #12
Hanford Coordinates: N/S N 76,104 E/W W 68,803
State Coordinates: N 481,229 E 2,226,327
Start Card #: Not documented T___ R___ S___
Elevation Ground surface: Not documented

Depth to water: 73.5-ft Sep52 (Ground surface)

GENERALIZED STRATIGRAPHY — Driller's Log

0-10: TOP SOIL and GRAVEL
10-15: 80% GRAVEL, 15% SAND, & 5% SILT
BOULDERS at 10-12 and 15 ft
15-35: 90% GRAVEL and 10% SAND
35-39: GRAVEL, SAND and SILT
39-85: Cement GRAVEL
BOULDER 41-42 ft (Hard as hell)
85-105: 75% SAND, 25% GRAVEL
105-115: Cement GRAVEL and SAND
115-125: SAND, GRAVEL and SILT
125-148: GRAVEL, SAND and SILT
148-159: SAND and GRAVEL



Drawing By: RKL/1-K-12.ASB
Date : 28Nov94
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool	Sample Method: Hard tool (nom)	WELL NUMBER: 199-K-12 A5739
Drilling Fluid Used: Not documented	Additives Used: Not documented	TEMPORARY WELL NO: 100-K #12
Driller's Name: Row	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 76,104 E/W W 68,803
Drilling Company: Not documented	Company Location: Not documented	State Coordinates: N 481,229 E 2,226,327
Date Started: 15Aug52	Date Complete: 11Sep52	Start Card #: Not documented T___ R___ S___
		Elevation Ground surface: Not documented

Depth to water: 73.5-ft Sep52
(Ground surface)

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

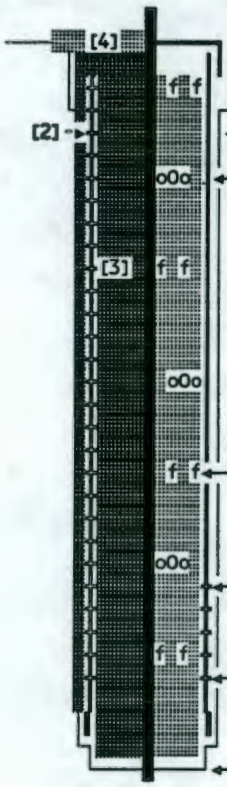
[1] Establish depth to bottom, clean out borehole

[2] Perforate from 159-3-ft

[3] Grout perforated interval

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [466.55-ft]
(top of casing)

Height of reference point above [ND]
ground surface

Depth of surface seal [ND]
No surface seal documented

7-in nominal hole, 0-~155-ft

6-in ID carbon steel casing, +ND-~155-ft

Borehole filled with natural fill materials as a result of area decommissioning activities
Depth to bottom of fill: 5.7-ft

6-in casing perforations, 117-137-ft, 4 holes/ft

Borehole drilled depth: [159.0-ft]

Drawing By: TJW/1-K-12.PLN
Date : 20Dec95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8107	2. Well Name 499-S1-8B
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Capped and protected

8b. Protective posts, surface pad or cover installed?
[Yes] Post and are in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[N/A] Not applicable

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8107
2. Well Name: 499-S1-8B

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 01/01/71 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:
Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/14/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Casing hammer
Method: Not documented
Drilling
Fluid Used: None
Driller's
Name: Not documented
Drilling
Company: Not documented
Date
Started: Jan71

Sample
Method: Not documented
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Not documented
Date
Complete: Jan71

WELL
NUMBER: 499-S1-8B A8107
TEMPORARY
WELL NO: DH-9
Hanford
Coordinates: N/S S 1,108 E/W W 7,537
State
Coordinates: N 123,306.28 E 588,402.55
Start
Card #: Not documented T14N R28E S 18
Elevation
Ground surface: 545.70 Estimated

Depth to water: 160.10-ft
(Ground surface) 14Aug95

GENERALIZED STRATIGRAPHY
Geologist's Log

Not documented

Elevation of reference point: [547.50-ft]
(top of casing)
Height of reference point above [1.80-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented,

6-in ID carbon steel casing, +1.8-175-ft

7-in nominal hole, 0-175-ft

Borehole drilled depth: 175-ft

DTB=Depth to bottom: 172.30-ft

Drawing By: TJW/4S108B .ASB
Date : 05Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Casing hammer
Method: Not documented
Drilling
Fluid Used: None
Driller's
Name: Not documented
Drilling
Company: Not documented
Date
Started: Jan71

Sample
Method: Not documented
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Not documented
Date
Complete: Jan71

WELL
NUMBER: 499-S1-88 A8107
TEMPORARY
WELL NO: DH-9
Hanford
Coordinates: N/S S 1,108 E/W W 7,537
State
Coordinates: N 123,306.28 E 588,402.55
Start
Card #: Not documented T14N R28E S 18
Elevation
Ground surface: 545.70 Estimated

Depth to water: 160.10-ft
(Ground surface) 14Aug95

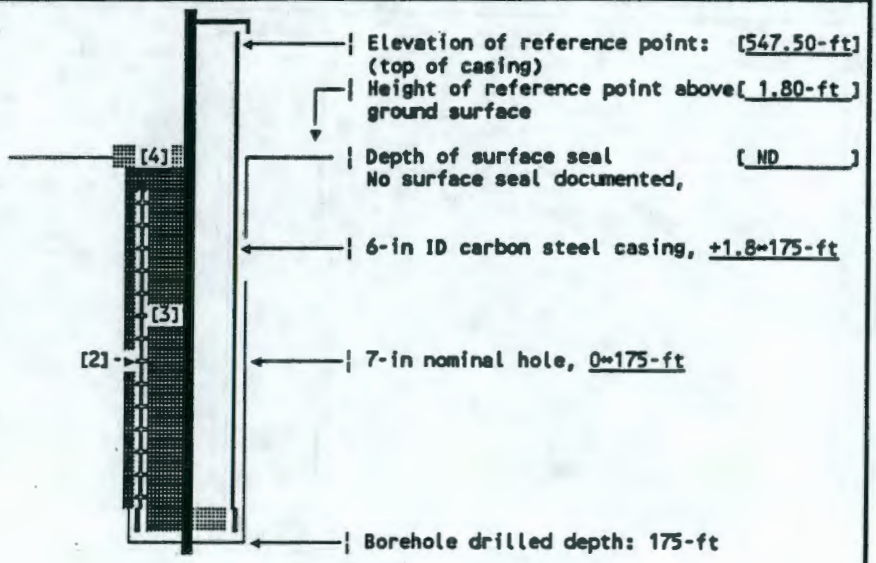
DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3-175-ft

[3] Place cement grout from 3-175-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade



DTB=Depth to bottom: 172.30-ft

NOTE:
Order of work to be determined by field conditions.

Drawing By: TJW/4S108B .PLN
Date : 06Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8116	2. Well Name 499-S1-8L
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Capped and protected

8b. Protective posts, surface pad or cover installed?
[Yes] Post and are in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] 158-ft to 178-ft

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8116	2. Well Name 499-S1-8L
	Page 2 of 2	

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 02/28/83 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 08/14/95 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Casing hammer
Method: Not documented
Drilling
Fluid Used: None
Driller's
Name: Not documented
Drilling
Company: Not documented
Date
Started: Feb83

Sample
Method: Not documented
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Not documented
Date
Complete: 28Feb83

WELL
NUMBER: 499-S1-8L A8116
Hanford
Coordinates: N/S S 642 E/W W 8,000
State
Coordinates: N 123,670.28 E 588,012.55
Start
Card #: Not documented T14N R28E S 18
Elevation
Ground surface: 545.70 Estimated

TEMPORARY
WELL NO: 400 AREA#2

Depth to water: 158.18-ft
(Ground surface) 14Aug95

GENERALIZED STRATIGRAPHY
Geologist's Log

Not documented

Elevation of reference point: [547.52-ft]
(top of casing)

Height of reference point above [1.82-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented,

6-in ID carbon steel casing, +1.82-180-ft

7-in nominal hole, 0-180-ft

Perforated, 158-178-ft

Borehole drilled depth: 180-ft

DTB=Depth to bottom: 177.50-ft

Drawing By: TJW/4S108L .ASB
Date : 09Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Casing hammer
Method: Not documented
Drilling
Fluid Used: None
Driller's
Name: Not documented
Drilling
Company: Not documented
Date
Started: Feb83

Sample
Method: Not documented
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Not documented
Date
Complete: 28Feb83

WELL
NUMBER: 499-S1-8L A8116
Hanford
Coordinates: N/S S 642 E/W W 8,000
State
Coordinates: N 123,670.28 E 588,012.55
Start
Card #: Not documented T14N R28E S 18
Elevation
Ground surface: 545.70 Estimated

TEMPORARY
WELL NO: 400 AREA#2

Depth to water: 158.18-ft
(Ground surface) 14Aug95

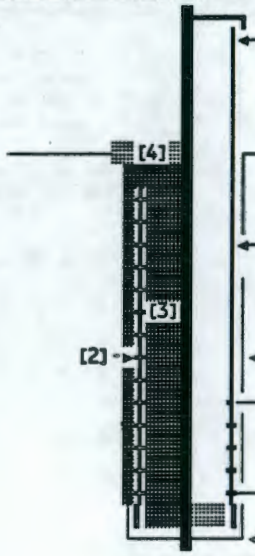
DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 158-3-ft

[3] Place cement grout from 180-3-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade



Elevation of reference point: [547.52-ft]
(top of casing)

Height of reference point above [1.82-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented,

6-in ID carbon steel casing, +1.82-180-ft

7-in nominal hole, 0-180-ft

Perforated, 158-178-ft

Borehole drilled depth: 180-ft

DTB=Depth to bottom: 177.50-ft

NOTE:
Order of work to be determined by field conditions.

Drawing By: TJW/4S108L .PLN
Date : 09Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A-8115	2. Well Name 499-S1-8K
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[No] No potential user identified

4. Is well presently in use?
[No] No use identified

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No documentation of annular seal

5a. Natural barriers preserved?
[N/A] Well terminates within upper unconfined aquifer

5b. Aquifer/strata pentrated permanently sealed?
[No] No seal documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[N/A] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Well is capped

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal documented

7a. Saturated formation/aquifers not connected?
[N/A] Not applicable

7b. Cuttings/development water handled IAW WAC 173-303?
[N/A] Well drilled before applicable date of WAC 173-303

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal documented

8a. Well capped and protected?
[Yes] Capped and protected

8b. Protective posts, surface pad or cover installed?
[Yes] Post and are in place

8c. Surface protection waived or variance obtained?
[N/A] Not applicable

8d. Is existing surface protection damaged?
[N/A] Not applicable

9. Are casing materials IAW 173-160-520?
[N/A] Not applicable

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[N/A] Not applicable

10a. Drill rig/equipment casing/screen cleaned?
[N/A] Not applicable

10b. Filter pack cleaned? Material compatible?
[N/A] Not applicable

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not applicable

11a. Screened interval documented?
[Yes] 159-ft to 179-ft

11b. Vertical lithology documented?
[No] Not documented

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A-8115
2. Well Name: 499-S1-8K

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Not applicable

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[N/A] Not applicable

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] Not applicable

12c. Well has been developed.
[N/A] Not applicable

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[N/A] Not applicable

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[N/A] Not applicable

14. Data Sources Used:
Logs:
Driller's: Not documented Date: 02/28/83 Company:
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:
Publications: Title, Author, Date
HANFORD WELLS, M.A. Chamness and J. K. Merz, August 1993
Databases:
WHC Well Services
Field Check: WHC Well Services Date: 08/14/95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not applicable
Rehabilitation required to continue intended use	[No]	Not applicable
Remediation required to achieve intended use	[No]	Well has no identified user
Decommission, well is unneeded or cannot be remediated	[Yes]	Well has no identified need
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 10/18/95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Casing hammer
Method: Not documented
Drilling
Fluid Used: None
Driller's
Name: Not documented
Drilling
Company: Not documented
Date
Started: Feb83

Sample
Method: Not documented
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Not documented
Date
Complete: 28Feb83

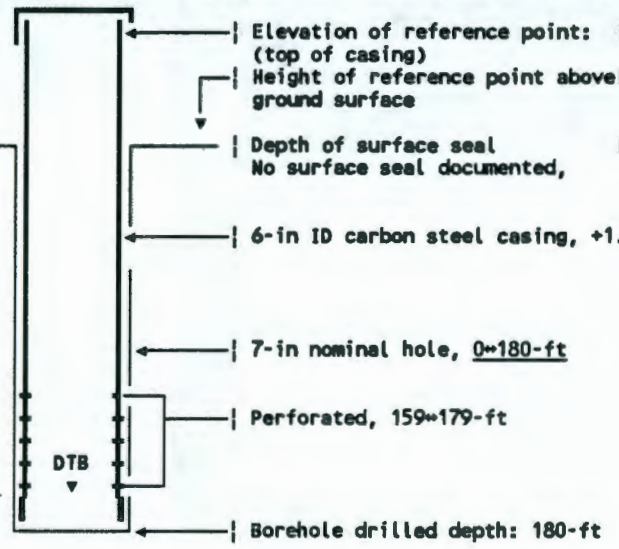
WELL
NUMBER: 499-S1-8K A8115
Hanford
Coordinates: N/S S 630 E/W W 7,500
State
Coordinates: N 123,684.28 E 588,439.55
Start
Card #: Not documented T14N R28E S 18
Elevation
Ground surface: 545.70 Estimated

TEMPORARY
WELL NO: 400 AREA#1

Depth to water: 159.18-ft
(Ground surface) 14Aug95

GENERALIZED STRATIGRAPHY — Geologist's Log

Not documented



Elevation of reference point: [547.05-ft]
(top of casing)
Height of reference point above [1.35-ft]
ground surface

Depth of surface seal [ND]
No surface seal documented,

6-in ID carbon steel casing, +1.35↔180-ft

7-in nominal hole, 0↔180-ft

Perforated, 159↔179-ft

Borehole drilled depth: 180-ft

DTB=Depth to bottom: 180.10-ft

Drawing By: TJW/4S108K .ASB
Date : 06Oct95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Casing hammer
Method: Not documented
Drilling
Fluid Used: None
Driller's
Name: Not documented
Drilling
Company: Not documented
Date
Started: Feb83

Sample
Method: Not documented
Additives
Used: None
WA State
Lic Nr: Not documented
Company
Location: Not documented
Date
Complete: 28Feb83

WELL
NUMBER: 499-S1-8K A8115
Hanford
Coordinates: N/S S 630 E/W W 7,500
State
Coordinates: N 123,684.28 E 588,439.55
Start
Card #: Not documented T14N R28E S 18
Elevation
Ground surface: 545.70 Estimated

TEMPORARY
WELL NO: 400 AREA#1

Depth to water: 159.18-ft
(Ground surface) 14Aug95

DIAGRAMMATIC
DECOMMISSIONING ACTIVITIES
(Depths from ground surface)

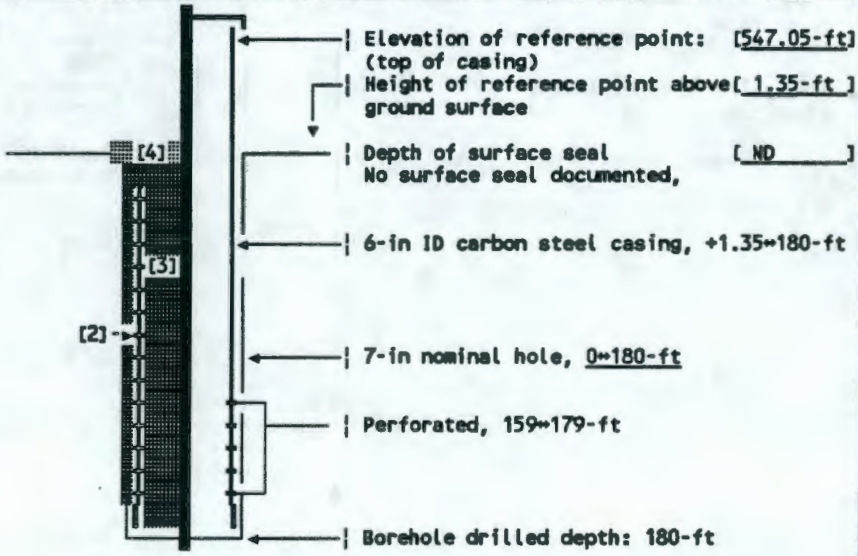
[1] Establish depth to bottom, clean out

[2] Perforate 6-in casing from 3↔159-ft

[3] Place cement grout from 3↔180-ft

[4] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



DTB=Depth to bottom: 180.10-ft

Drawing By: TJW/4S108K .PLN
Date : 06Oct95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A5124	2. Well Name 699-31-65
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[Yes] Water level monitoring

4. Is well presently in use?
[Yes] Sitewide semi-annual water level monitoring

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] Well lacks annular seal

5a. Natural barriers preserved?
[No] Well is open to multiple aquifers

5b. Aquifer/strata pentrated permanently sealed?
[No] No seals documented

5c. Annulus sealed against surface water?
[No] No surface seal documented

5d. Casing overlap more than 8 ft; packed and grouted?
[NA] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Capped and locked

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seal

7a. Saturated formation/aquifers not connected?
[Yes] Hydraulically connect's Ringold units "E" and "A"

7b. Cuttings/development water handled IAW WAC 173-303?
[ND] Not documented

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal

8a. Well capped and protected?
[No] Capped and locked, but not protected

8b. Protective posts, surface pad or cover installed?
[No] No posts or cement pad

8c. Surface protection waived or variance obtained?
[ND] Not documented

8d. Is existing surface protection damaged?
[No]

9. Are casing materials IAW 173-160-520?
[No] Not present

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[ND] Not documented

10a. Drill rig/equipment casing/screen cleaned?
[ND] Not documented

10b. Filter pack cleaned? Material compatible?
[ND] Not documented

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[N/A] Not sampled

11a. Screened interval documented?
[Yes] Perforated casing (414-450-ft)

11b. Vertical lithology documented?
[No] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A5124
2. Well Name: 699-31-65

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[N/A] Drilled prior to WAC

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[No] Perforated casing

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[N/A] No filter pack

12c. Well has been developed.
[ND] Not documented

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[ND] Not documented

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[ND] Not documented

14. Data Sources Used:
Logs:
Driller's: Hatch Drilling Company Date: 08-00-57 Company: Hatch
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:
Publications: Title, Author, Date
HANFORD WELLS. M. A. CHAMNESS and J. K. MERZ AUG 93
Databases:
WHC Well Services
Field Check: Well Services Date: 09-12-95 Company: WHC
Other:

15. Comments: Identify evaluation criteria addressed by number:
Due to unsatisfactory findings for criteria 5,5a,5b,5c,7,7a, it is recommended the well be remediated or decommissioned.

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[N/A]	Not acceptable
Rehabilitation required to continue intended use	[Yes]	No interest
Remediation required to achieve intended use	[Yes]	No interest
Decommission, well is unneeded or cannot be remediated	[Yes]	Planned
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 11-30-95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Hatch
Drilling Company: Hatch Drilling Co
Date Started: 14Jun57

Sample Method: Drive barrel?
Additives Used: Bentonite
WA State Lic Nr: Not documented
Company Location: Pasco, WA
Date Complete: 20Aug57

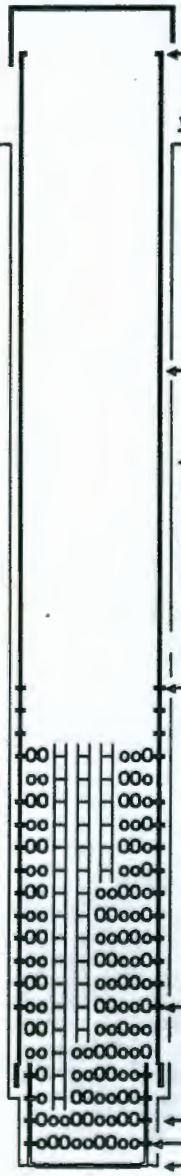
WELL NUMBER: 699-31-65 A5124
TEMPORARY WELL NO: 699-30-65
Hanford Coordinates: N/S N 30,536 E/W W 65,357
State Coordinates: N 435,670 E 2,229,890
Start Card #: Not documented T 12N R 26E S 17K1
Elevation Ground surface: 681.5-ft Estimated

Depth to water: 268-ft Jul57
(Ground surface) 242.8-ft 02Jun94
244.05-ft 12Sep95

GENERALIZED STRATIGRAPHY — Driller's Log

0-10: SAND
10-200: SAND-SILT
200-210: Cse SAND-little SILT
210-215: Fine SAND-little SILT
215-230: SAND and GRAVEL (½-in)
230-235: SAND-CLAY and fine GRAVEL
235-238: SAND-SILT
238-245: Ces SAND and GRAVEL
245-250: SAND-SILT
250-260: Clean cse SAND-GRAVEL
260-290: Clean GRAVEL (¼-1½-in)
290-295: Clean GRAVEL (¼-3-in)
295-315: Cemented GRAVEL (¼-1½-in)
315-325: GRAVEL SAND and SILT
325-360: SAND, SILT and GRAVEL
360-365: Cemented GRAVEL
365-395: SAND, SILT and GRAVEL
395-398: SAND and SILT
398-430: Yellow CLAY w/GRAVEL particles
430-440: Cemented SAND
440-445: Cemented SAND w/GRAVEL
445-450: Sandy CLAY
450 : Sandy CLAY and GRAVEL

REMEDIATION:
Jun64 by Vincent/Crowe
Perforated 3 zones; 240-258, 365-385-ft and not documented. Ran piezometer tubes and gravel packed.
Jul75 by M Bultena
Cleaned well with airline. Replaced O-tube, had to leave off 10-ft.
Jun94 WHC Well Services
Removed O piezo tube, others cut off and borehole cleaned out to 260-ft unable to control sanding conditions after repeated attempts



Elevation of reference point: [682.83-ft] (top of 8-in casing)
Height of reference point above ground surface [1.33-ft]
Depth of surface seal [ND]
No surface seal documented:
8-in ID carbon steel casing, +1.33-419-ft
9-in nominal hole, 0-419-ft
8-in casing perforations,
240-258-ft, not documented
258-330-ft, 2 cuts/ft
365-385-ft, not documented
414-450-ft, Not documented
22Jun64, Crowe/Vincent perforated and installed 2,000-ft of plastic tube with gravel packing, P,Q,R
Piezometer O apparently installed Apr65
HANFORD WELLS documents:
P=410-430-ft, Q=370-390-ft
R=310-330-ft O=240-260-ft
8-in nominal hole, 419-450-ft
Pre-perforated liner w/end cap
414-450-ft, 7-1/8-in ID
Borehole drilled depth: [450-ft]

Drawing By: TJW/6N31W65.ASB
Date : 14Sep95
Reference : HANFORD WELLS

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Hatch
Drilling Company: Hatch Drilling Co
Date Started: 14Jun57

Sample Method: Drive barrel?
Additives Used: Bentonite
WA State Lic Nr: Not documented
Company Location: Pasco, WA
Date Complete: 20Aug57

WELL NUMBER: 699-31-65 A5124
TEMPORARY WELL NO: 699-30-65
Hanford Coordinates: N/S N 30,536 E/W W 65,357
State Coordinates: N 435,670 E 2,229,890
Start Card #: Not documented T 12N R 26E S 17K1
Elevation Ground surface: 681.5-ft Estimated

Depth to water: 268-ft Jul57
(Ground surface) 242.8-ft 02Jun94
244.05-ft 12Sep95

DIAGRAMMATIC DECOMMISSIONING ACTIVITIESS
(Depths from ground surface)

[1] Clean out borehole to top of remaining piezo tubes ~260-ft

[2] Place packer at ~200-ft and prepare to pressure grout

[3] Place cement grout from 260-230-ft thru perforated zone

[4] Drill out cemented zone and into piezo/fill zone ~50-ft

[5] Perforate drilled out zone, Set packer and pressure grout thru perforated zone

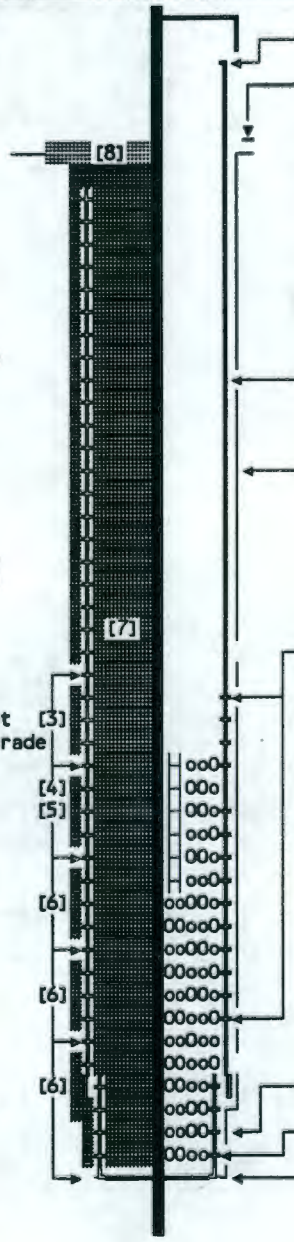
[6] Continue clean out, perforating and pressure grouting to 450-ft in stages

[7] Place cement grout from 450-ft back to 3-ft in stages

[8] Cut casing at 3-ft, place cement cap, brass marker and fill to grade

REMEDIATION:
Jun64 by Vincent/Crowe
Perforated 3 zones; 240-258, 365-385-ft and not documented.
Ran piezometer tubes and gravel packed.
Jul75 by M Bultena
Cleaned well with airline.
Replaced O-tube, had to leave off 10-ft.
Jun94 WHC Well Services
Removed O piezo tube, others cut off and borehole cleaned out to 260-ft unable to control sanding conditions after repeated attempts

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [682.83-ft]
(top of 8-in casing)
Height of reference point above ground surface [1.33-ft]

Depth of surface seal [ND]
No surface seal documented:

8-in ID carbon steel casing, +1.33-419-ft

9-in nominal hole, 0-419-ft

8-in casing perforations,
240-258-ft, not documented
258-330-ft, 2 cuts/ft
365-385-ft, not documented
414-450-ft, Not documented

22Jun64, Crowe/Vincent perforated and installed 2,000-ft of plastic tube with gravel packing, P,Q,R
Piezometer O apparently installed Apr65
HANFORD WELLS documents:
P=410-430-ft, Q=370-390-ft
R=310-330-ft O=240-260-ft

8-in nominal hole, 419-450-ft

Pre-perforated liner w/end cap
414-450-ft, 7-1/8-in ID

Borehole drilled depth: [450-ft]

Drawing By: TJW/6N31W65.PLN
Date : 01Dec95
Reference : HANFORD WELLS

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well ID A4930	2. Well Name 299-W15-5
	Page 1 of 2	

3. Has a need for use of the well been identified and documented?
[Yes] Water level monitoring

4. Is well presently in use?
[Yes] Sitewide water level monitoring

5. Is casing sealed in accordance with IAW WAC 173-160-075?
[No] No lacks annular seals

5a. Natural barriers preserved?
[No] Well is open to multiple aquifers

5b. Aquifer/strata pentrated permanently sealed?
[No] No seals documented

5c. Annulus sealed against surface water?
[No] No surface seals documented

5d. Casing overlap more than 8 ft; packed and grouted?
[NA] Not applicable

6. If not in use, is well capped IAW WAC 173-160-085?
[Yes] Capped and locked

7. Is design and construction IAW WAC 173-160-500?
[No] No annular seals

7a. Saturated formation/aquifers not connected?
[Yes] Hydraulically connect's Ringold units "E" and "A"

7b. Cuttings/development water handled IAW WAC 173-303?
[ND] Not documented

7c. Well properly indentified?
[No] No permanent identification

8. Is surface protection IAW WAC 173-160-510?
[No] No surface seal

8a. Well capped and protected?
[No] Capped and locked, but not protected

8b. Protective posts, surface pad or cover installed?
[No] No posts or pad

8c. Surface protection waived or variance obtained?
[ND] Not documented

8d. Is existing surface protection damaged?
[No]

9. Are casing materials IAW 173-160-520?
[ND] Not documented

10. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?
[ND] Not documented

10a. Drill rig/equipment casing/screen cleaned?
[ND] Not documented

10b. Filter pack cleaned? Material compatible?
[ND] Not documented

RCRA/CERCLA MONITORING WELL?

11. Does water sample from vertical screened interval represent horizontal stratigraphy?
[NA] Not sampled

11a. Screened interval documented?
[Yes] Perforated casing

11b. Vertical lithology documented?
[No] Drillers log

RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST

1. Well ID: A4930
2. Well Name: 299W15-5

Page 2 of 2

12. Is design and construction IAW WAC 173-160-540?
[NA] Drilled prior to WAC

12a. Screen commercially fabricated of material nonreactive to subsurface conditions?
[No] Perforated casing

12b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.
[NA] No filter pack

12c. Well has been developed.
[ND] Not documented

12d. Annulus grouted with bentonite or bentonite/cement mixture.
[ND] Not documented

13. Does water sample meet established acceptance criteria?
Sample is less than 5 NTU and sand free.
[ND] Not documented

14. Data Sources Used:
Logs:
Driller's: Row/Roberts Date: 09-23-57 Company: ND
Geologist: Date: Company:
Geophysical: Date: Company:
Television: Date: Company:

Publications: Title, Author, Date
HANFORD WELLS. M. A. Chamness and J. K. Merz. Aug 93

Databases:
WHC Well Services

Field Check: WHC Well Services Date: 12-19-94 Company: WHC

Other:

15. Comments: Identify evaluation criteria addressed by number:
Due to unsatisfactory findings for criteria 5, 5a,5b,5c, 7, 7a 8b. it is recommended the well be decommissioned.

16. Status

Well is acceptable for intended use	[No]	Well lacks seals
Well is acceptable for intended use if variance is granted	[NA]	Not acceptable
Rehabilitation required to continue intended use	[Yes]	Well lacks proper seals
Remediation required to achieve intended use	[Yes]	
Decommission, well is unneeded or cannot be remediated	[Yes]	
Other	[ ]	

17. Status Recommendation
Done By: Name: T. J. Wood Title: Senior Engineer Date: 11-30-95

A-6000-451R (06/95)

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Row/Roberts
Drilling Company: Not documented
Date Started: 21Feb57

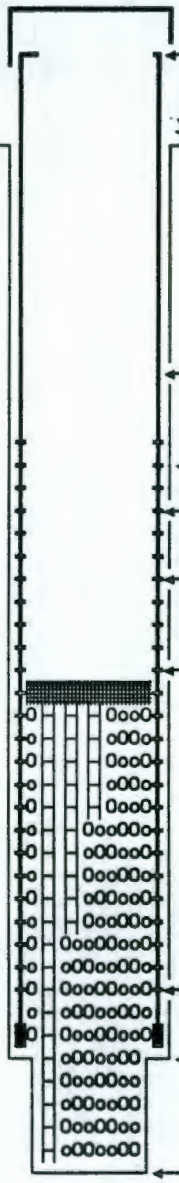
Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 23Sep57

WELL NUMBER: 299-W15-5 A4930
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 39,537 E/W W 75,984
State Coordinates: N 444,644 E 2,219,240
Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): 669.0 Estimated

Depth to water: 220-ft Sep57
(Ground surface) 201.8-ft Jun92
206.9-ft Dec94

GENERALIZED STRATIGRAPHY — Driller's Log

0-5: Sandy TOP SOIL
5-30: Sandy SILT
30-35: GRAVEL & SAND
35-55: SAND-small GRAVEL-caves
55-65: GRAVEL-loose SAND-caves
65-120: Sandy SILT
120-130: Heavy SILT and SAND
130-135: CALICHE and fine GRAVEL-SILT-SAND
135-140: CALICHE and fine GRAVEL-SAND
140-155: GRAVEL-less SILT
155-170: SAND-GRAVEL
170-210: GRAVEL-SAND-some SILT
210-227: Heaving SAND
227-265: Fine SAND-GRAVEL-some SILT
265-280: SAND-MUCK
280-285: SAND-fine GRAVEL
285-290: GRAVEL-SAND-less SILT
290-300: SAND-GRAVEL-MUCK
300-310: GRAVEL-SAND-less SILT
310-320: GRAVEL-SAND-MUCK
320-365: SAND-GRAVEL-MUCK
365-380: SAND-GRAVEL-MUCK-conglom.
380-400: SAND-GRAVEL-conglomeration
400-405: GRAVEL-SAND-white-gray SILT
405-410: GRAVEL-SAND-less SILT
410-430: GRAVEL-SAND-conglomeration
430-445: Heavy gray-white SILT (Acts and looks like Ringold Fm)
445-450: SHALE with volcanic ASH small GRAVEL imbeddded(methane pop)
450-455: Above with rotten SANDSTONE GRAVEL-SAND-SILT
455-460: Multi-colored mud and SHALE
460-470: White-gray SHALE and CLAY
475-485: SILT-SHALE-GRAVEL-SAND-MUD
485-495: SAND-GRAVEL-some SILT
495-500: SAND-GRAVEL-SANDSTONE-ASH
500-525: SAND-GRAVEL-green-black SILT
525-530: Honey-combed rotten BASALT
530-573: BASALT-layers soft-dense
573-591: Layers of BASALT-GRAVEL (could be interbed)
591-596.5: Rotten BASALT
596.5-599: Harder BASALT



Elevation of reference point: [670.68-ft] (top of mounting plate)
Height of reference point above ground surface [1.7-ft]

Depth of surface seal [ND]

Type of surface seal: None documented

I.D. of surface casing (If present) [ND]

I.D. of riser pipe: [8-in]
Type of riser pipe: Carbon steel

Diameter of borehole: [9-in nom]

Type of filler: Not documented

Elevation/depth top of seal
Type of seal: Not documented

Depth top of perforations: [173-ft]
Description of perforations:
173-217 ft, 1 hole/ft/spiraled
480-524 ft, 4 cuts/rd/ft
Driller heard water going downhole

23-24Jun64, Crowe/Vincent perforated and installed 1,973-ft of plastic tube with gravel packing, P,Q,R,S
Piezomenter O apparently installed May65
HANFORD WELLS documents:
P=524-595-ft, Q=495-520-ft
R=435-460-ft S=375-400-ft
O=200-220-ft

Depth bottom of perforations: [524-ft]

Depth bottom of casing: [525-ft]

Depth bottom of borehole: [599-ft]

19Dec94, Piezometers removed to 342-ft
Borehole cleaned out, cement plug set with bailer at 342-ft

Drawing By: TJW/2W15-05.ASB Date: 29Nov95

Reference: HANFORD WELLS s

DIAGRAMMATIC WELL DECOMMISSIONING PROCESS

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Row/Roberts
Drilling Company: Not documented
Date Started: 21Feb57

Sample Method: Hard tool (nom)
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Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): 669.0 Estimated

Depth to water: 220-ft Sep57
(Ground surface) 201.8-ft Jun92
206.9-ft Dec94

DDIAGRAMMATIC
RDECOMMISSIONING ACTIVITIES
(Depths from ground surface)

[1] Perforate 8-in casing 342-190-ft

[2] Set packer at perforated zone, develop and sample

[3] Grout perforated zone in ~50-ft stages and drill out

[4] Drill out cement plug, clean out piezometer and fill material to ~390-ft

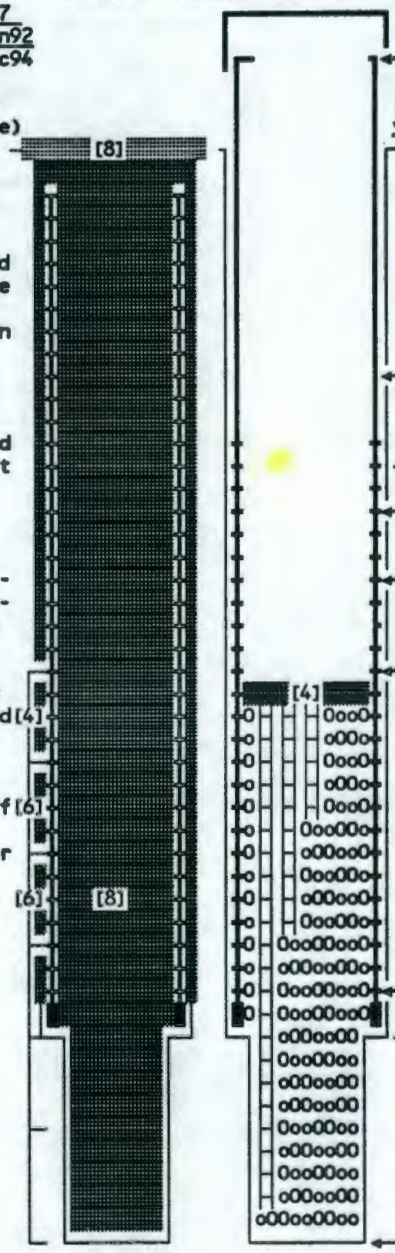
[5] Perforate and pressure grout cleaned out zone

[6] Continue cleanout, perforating, pressure grouting in ~50-ft intervals to TD ~599-ft

[7] Sampling activities may be scheduled at selected depths

[8] Grout borehole from TD back to surface, Cut off casing at 3-ft place cement cap, brass marker and fill to grade

NOTE:
Order of work to be determined by field conditions.



Elevation of reference point: [670.68-ft]
(top of mounting plate)
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Depth of surface seal [ND]

Type of surface seal:
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I.D. of surface casing (If present) [ND]

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Type of riser pipe:
Carbon steel

Diameter of borehole: [9-in nom]

Type of filler:
Not documented

Elevation/depth top of seal
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R=435-460-ft S=375-400-ft
O=200-220-ft

Depth bottom of perforations: [524-ft]

Depth bottom of casing: [525-ft]

Depth bottom of borehole: [599-ft]

Drawing By: TJW/2W15-05.PLN Date: 06Dec95

Reference: HANFORD WELLS

NOTE: This Decommissioning diagram is a generalized description and the well will be decommissioned in accordance with a detailed workplan.

DISTRIBUTION SHEET

To	From	Page 1 of 1
Distribution	T. J. Wood	Date December 13, 1995
Project Title/Work Order		EDT No. NA
A Supplemental revision by ECN to "Fitness-For-Intended-Use Evaluation Recommendations for Hanford Site 600 Area Wells, WHC-SD-EN-AP-161, Rev 0."		ECN No. 611443

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
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A-6000-135 (01/93) WEF067