AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been divided into sections.

EDMC#: 0076096
SECTION: 1 of 2

DOCUMENT #: 08-AMCP-0088

TITLE: ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

08-AMCP-0088

FEB 0 1 2008

Ms. J. A. Hedges, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton
Richland, Washington 99354

Dear Ms. Hedges:

ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

The purpose of this letter is to transmit recent results of a continued systematic effort by the U.S. Department of Energy, Richland Operations Office to identify unique well records on the Hanford Site that require administrative decommissioning.

Attachment 1 lists 23 unique well records numerically by well identification and associated well name. A well identification and a formal well name have been assigned and all 23 wells have survey coordinates. All of the wells are conventional single-cased wells and none are piezometers (small diameter tubes placed within a host well). Attachment 2 contains copies of the pertinent supporting documentation available to administratively decommission these wells.

All wells onsite are assigned a unique well identification number during the well construction planning process. Once a well identification is assigned, that identification becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well identifications and other pertinent well data are tracked in the Hanford Well Information System (HWIS). The well identification is also used as a "place holder" in the well name column in HWIS. Once the well is completed, the "place holder" well identification is replaced with a formal well name. The well naming protocols are designed to convey the well's general location onsite.

None of the wells have Water Well Reports or records of Water Well Reports being transmitted to the State of Washington Department of Ecology. This documentation will be used to change the Current Well Status of these wells to "Decommissioned – Verified" in the HWIS Well Inventory.

If there are any questions, please contact me, or your staff may contact, Briant Charboneau, of my staff, on (509) 373-6137.

Sincerely,

Matthew S. McCormick, Assistant Manager
for the Central Plateau

AMCP:FMR

Attachments

cc w/attachs:
Administrative Record
Environmental Portal

cc w/o attachs:
B. H. Ford, FHI
R. E. Piippo, FHI
J. G. Vance, FFS

Well Naming Conventions and List of Wells in this Package

All wells on the Site are assigned a unique well identification number (Well ID) during the well construction planning process. Once a Well ID is assigned; e.g. A8168, that ID becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well IDs, and other pertinent well data are tracked in HWIS. The Well ID is also used as a "place holder" in the Well Name column in HWIS. Once the well is completed, the "place holder" Well ID is replaced with a formal Well Name, such as 699-10-1. The well naming protocols are designed to convey the well's general location on the Site. For example, wells within the 100, 200, 300, 400, 600, and 1100 Areas have Well Names which begin with "199, 299, 399, 499, 699, or 1199" followed by two numbers separated by dashes. Wells within the 600 Area have Well Names which begin with "699" followed by two numbers separated by dashes. The 600 Area Well Name is derived from the absolute value of the well's northing and westing in Hanford Plant coordinates rounded to the nearest 1,000 feet, respectively. For example, Well Name 699-10-1 is located in the area near 10,000 ft northing and 1,000 ft westing in Hanford Plant coordinates. Subsequent wells in the same area are labeled sequentially starting with a "B" suffix. The first Well Name in the same area would usually be relabeled with an "A" suffix.

DOE-RL follows the requirements of WAC 173-160-460 with regard to well decommissioning. A completed Water Well Report form is required to be transmitted (by the Driller) to Washington State Department of Ecology (Ecology) when a well is decommissioned. This report provides the details of the well's construction and the steps taken to decommission (plug) the well. When the records available are insufficient to meet the specific requirements of the well decommissioning process, or there is no record of the transmittal, the wells are *Administratively* Decommissioned; i.e., all available information is provided to Ecology to demonstrate that the well was never drilled, or was drilled and subsequently plugged. Since many hundreds of wells were planned but not drilled, or drilled but subsequently plugged, between Site inception in 1943 and 1986, these wells are candidates for *Administrative* Decommissioning. In addition, records of some wells that were planned and not drilled, or drilled and plugged *after* 1986, apparently were inadvertently not transmitted to Ecology, as required.

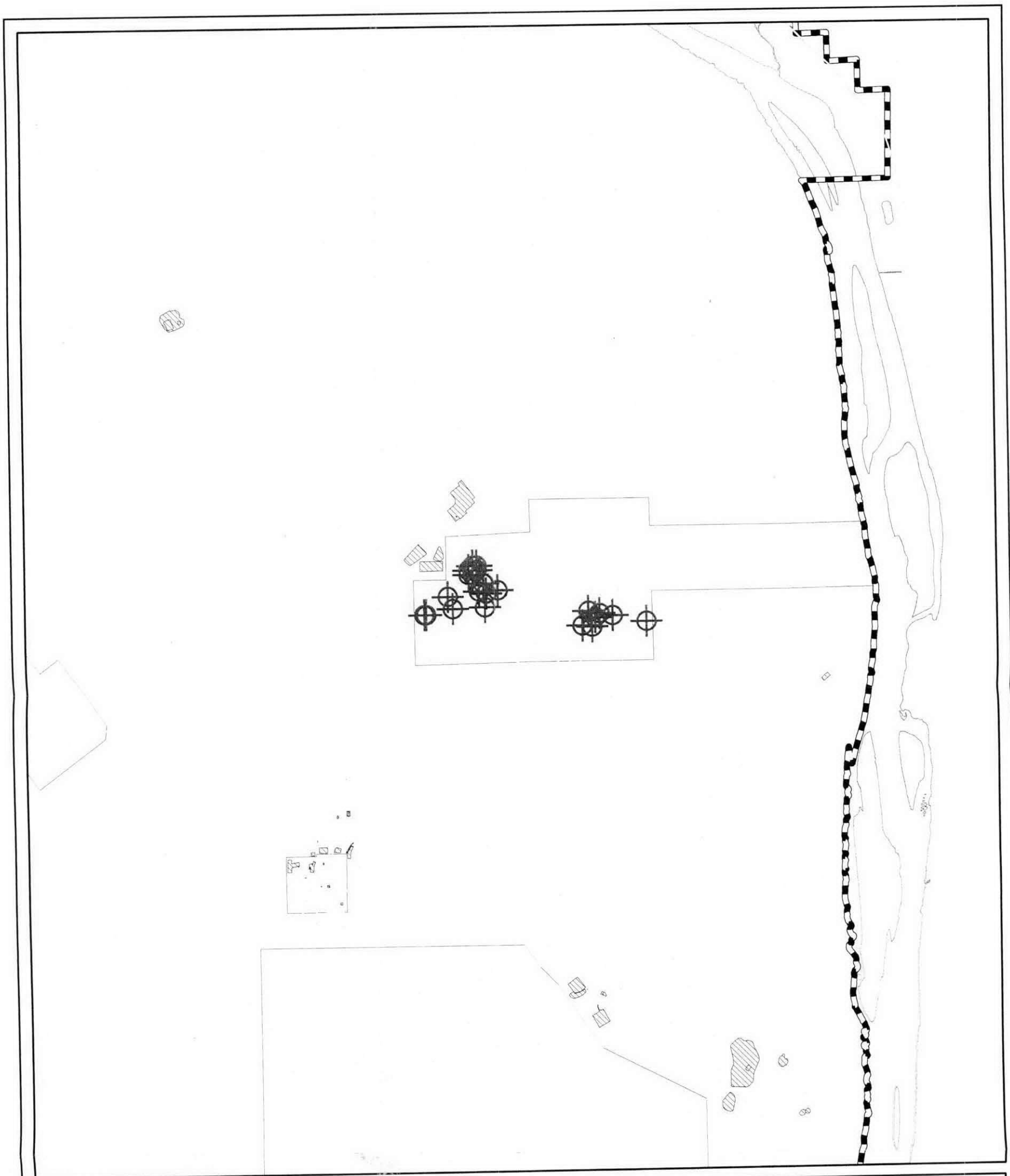
All of the 23 wells in this document have survey coordinates. All of the wells listed below are conventional single cased wells and none are piezometers (small diameter tubes placed within a host well). None of the wells have Water Well Reports available in the Ecology database. Water Well Reports may have been transmitted to Ecology at the time of decommissioning, however there is no record in the database. This documentation will be used to change the Current Well Status of all of these wells to "Decommissioned - Verified" in the HWIS Well Inventory. Please inform Ecology of these changes.

	WELL ID	WELL NAME		WELL ID	WELL NAME
1	A8168	699-10-1	16	A8209	699-11-3
2	A8169	699-10-2	17	A8233	699-12-1C
3	A8172	699-10-3C	18	A8234	699-12-1D
4	A8174	699-10-3E	19	A8235	699-12-1E

	WELL ID	WELL NAME		WELL ID	WELL NAME
5	A8184	699-10-E3C	20	A8236	699-12-1F
6	A8185	699-10-E4A	21	A8237	699-12-1G
7	A8186	699-10-E4B	22	A8238	699-12-1H
8	A8187	699-10-E4C	23	A8239	699-12-1J
9	A8191	699-10-E4G			
10	A8194	699-10-E5A			
11	A8196	699-10-E6			
12	A8198	699-11-0A			
13	A8202	699-11-1C			
14	A8206	699-11-1J			
15	A8207	699-11-1K			

Administrative Decommissioning of 23 Wells

	WELL ID	WELL NAME	ESTIMATED QTR QTR SEC	DRILL DATE	DRILL DEPTH	ROUTINE MAI	LAST MAINTEN	WELL TYPE	STATUS_CHANGE_COMMENT	WELL NAME SYNONYMS	C LAND SURVEY SY	CLOSURE ZONE	GW AOI	MONUMENT LOC	ELEVATION	NORTHING	EASTING	DISTRICT ID
1	A8168	699-10-1	T11N, R28E, S5, SE 1/4, NW 1/4	31-Dec-72	58	31-Dec-72	31-Dec-72	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. hollow stem auger 1972 WPPSS WNP-2 foundation test boring 58'	B-24	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	136.198	126710.732	589686.199	600
2	A8169	699-10-2	T11N, R28E, S5, SW 1/4, NE 1/4	31-Dec-72	59	31-Dec-72	31-Dec-72	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Falls inside fenced area south of cooling towers. hollow stem auger WPPSS 1972 WNP-2 foundation test boring 59'	B-23	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	135.558	126691.23	589256.532	600
3	A8172	699-10-3C	T11N, R28E, S5, SW 1/4, NW 1/4					UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Set hub and lath. 82' old WPPSS seismic shot hole		T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)		126616.801	588897.418	600
4	A8174	699-10-3E	T11N, R28E, S5, SW 1/4, NW 1/4					UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Set hub and lath. 76' old WPPSS seismic shot hole		T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)		126616.74	588876.084	600
5	A8184	699-10-E3C	T11N, R28E, S4, SW 1/4, SE 1/4	31-Dec-74	73	31-Dec-74	31-Dec-74	UNCLASSIFIED	FY07 SURVEY DATA REPORT: Falls on Spray Pond Structure. Unable to stake. hollow stem auger for WPPSS 1974 WNP-1 foundation test boring 73'	DB-17	T11N, R28E, S4		300-FF-5	Hanford (Not in Monument)	137.628	126448.363	590986.919	600
6	A8185	699-10-E4A	T11N, R28E, S4, SW 1/4, NE 1/4	31-Dec-74	78	31-Dec-74	31-Dec-74	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Falls on south side cooling tower. hollow stem auger for WPPSS 1974 WNP-1 foundation test boring 78' HWIS 2005 - ENW WNP 1/4 need GPS	DB-4	T11N, R28E, S4		300-FF-5	Hanford (Not in Monument)	138.878	126608.226	591220.01	600
7	A8186	699-10-E4B	T11N, R28E, S4, SW 1/4, NE 1/4	31-Dec-74	81	31-Dec-74	31-Dec-74	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Falls on south side cooling tower. hollow stem auger for WPPSS 1974 WNP-1 foundation test boring 81' HWIS 2005 - ENW WNP 1/4 need GPS	DB-6	T11N, R28E, S4		300-FF-5	Hanford (Not in Monument)	137.597	126555.305	591159.779	600
8	A8187	699-10-E4C	T11N, R28E, S4, SW 1/4, SE 1/4	31-Dec-74	70	31-Dec-74	31-Dec-74	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Set hub and lath.	DB-7	T11N, R28E, S4		300-FF-5	Hanford (Not in Monument)	137.018	126432.144	591118.611	600
9	A8191	699-10-E4G	T11N, R28E, S4, SW 1/4, NE 1/4	31-Dec-74	59	31-Dec-74	31-Dec-74	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Falls newr SE corner reactor building. hollow stem auger for WPPSS 1974 WNP-1 foundation test boring 59'	DB-9	T11N, R28E, S4		300-FF-5	Hanford (Not in Monument)	136.317	126641.04	591066.84	600
10	A8194	699-10-E5A	T11N, R28E, S4, SE 1/4, NW 1/4	31-Dec-74	96	31-Dec-74	31-Dec-74	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked well location. Set hub and lath.	DB-19	T11N, R28E, S4		300-FF-5	Hanford (Not in Monument)	143.174	126580.042	591393.293	600
11	A8196	699-10-E6	T11N, R28E, S4, SE 1/4, NE 1/4	31-Dec-74	130	31-Dec-74	31-Dec-74	UNCLASSIFIED	FY07 SURVEY DATA REPORT: No evidence found. Set hub and lath. air rotary fir WPPSS 1974 shothole boring 130'	1B-SP-15	T11N, R28E, S4		300-FF-5	Hanford (Not in Monument)	144.506	126495.638	591847.214	600
12	A8198	699-11-0A	T11N, R28E, S5, NE 1/4, SW 1/4					UNCLASSIFIED	FY07 SURVEY DATA REPORT: No well casing was detected at the staked location. Set hub and lath. Took photo.	CONS#3WPPSS2. WPPSS2 #3	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)		126934.919	589858.977	600
13	A8202	699-11-1C	T11N, R28E, S5, NE 1/4, SW 1/4	31-Dec-72	58	31-Dec-72	31-Dec-72	UNCLASSIFIED		B-15	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	131.078	126923.851	589609.404	600
14	A8206	699-11-1J	T11N, R28E, S5, NE 1/4, SW 1/4	31-Dec-72	60	31-Dec-72	31-Dec-72	UNCLASSIFIED	Field Inspection 2006 ENW well not found survey coordinates no HWIS documents STATUS WAS CHANGED TO A VALID CODE	B-34	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	134.583	127027.644	589670.064	600
15	A8207	699-11-1K	T11N, R28E, S5, NE 1/4, SW 1/4	31-Dec-72	58	31-Dec-72	31-Dec-72	UNCLASSIFIED		B-17	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	130.438	126893.642	589703.968	600
16	A8209	699-11-3	T11N, R28E, S5, NW 1/4, SW 1/4	31-Dec-72	58	31-Dec-72	31-Dec-72	UNCLASSIFIED		B-18	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	137.479	126855.622	589192.066	600
17	A8233	699-12-1C	T11N, R28E, S5, NW 1/4, SE 1/4	30-Apr-71	117	30-Apr-71	30-Apr-71	UNCLASSIFIED		B-2	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	134.431	127261.912	589527.685	600
18	A8234	699-12-1D	T11N, R28E, S5, NW 1/4, SE 1/4	30-Apr-71	150	30-Apr-71	30-Apr-71	UNCLASSIFIED		B-3	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	133.699	127262.063	589531.019	600
19	A8235	699-12-1E	T11N, R28E, S5, NW 1/4, SE 1/4	30-Apr-71	108	30-Apr-71	30-Apr-71	UNCLASSIFIED		B-4	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	134.98	127203.856	589474.515	600
20	A8236	699-12-1F	T11N, R28E, S5, NW 1/4, SE 1/4	30-Apr-71	150	30-Apr-71	30-Apr-71	UNCLASSIFIED		B-5	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	134.827	127204.007	589527.849	600
21	A8237	699-12-1G	T11N, R28E, S5, NW 1/4, SE 1/4	31-Mar-71	99	31-Mar-71	31-Mar-71	UNCLASSIFIED		B-6	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	134.918	127204.158	589581.182	600
22	A8238	699-12-1H	T11N, R28E, S5, NW 1/4, SE 1/4	31-May-71	150	31-May-71	31-May-71	UNCLASSIFIED		B-7	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	135.497	127145.951	589474.679	600
23	A8239	699-12-1J	T11N, R28E, S5, NW 1/4, SE 1/4	30-Apr-71	105	30-Apr-71	30-Apr-71	UNCLASSIFIED		B-8	T11N, R28E, S5		300-FF-5	Hanford (Not in Monument)	135.345	127146.101	589528.012	600



Wells Administratively Decommissioned

Buildings and Mobiles

Highways

Major Roads

Railroads

Waste Sites

Hanford Reach National Monument

Administrative Decommissioning
September 2007 Package 5

CMS

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

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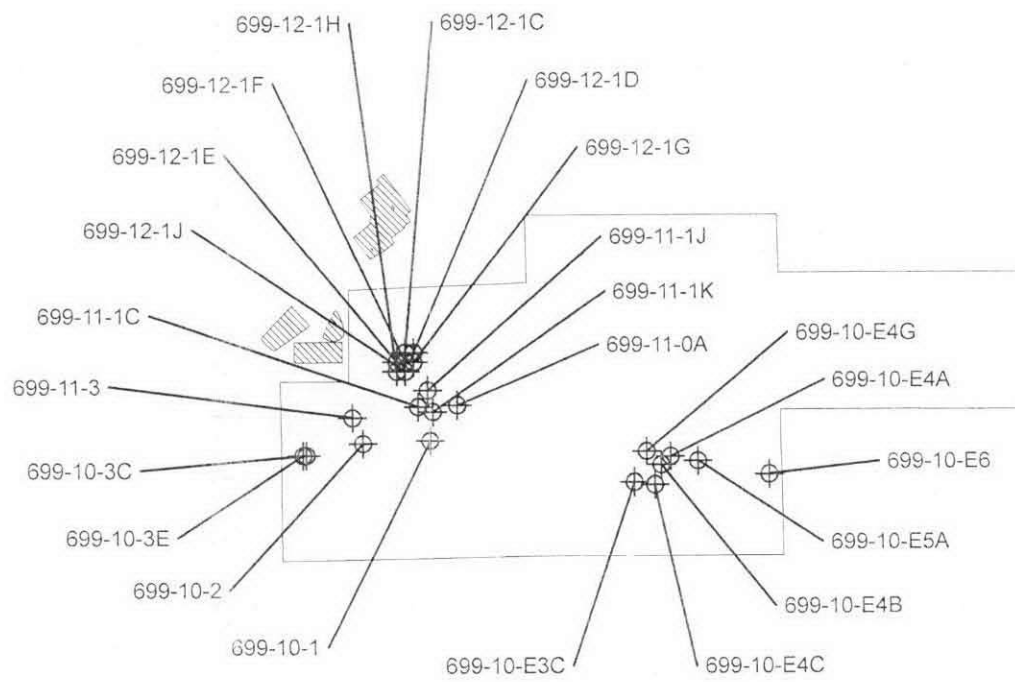

Wells Administratively Decommissioned
Highways
Major Roads
Railroads
Buildings and Mobiles
Waste Sites

Hanford Site Boundary
DOE Operating Areas
Leased/Permitted Areas
600 Area
Other Areas
Hanford Reach National Monument

Administrative Decommissioning
September 2007 Package 5

Prepared for
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

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699-10-1 A8168

699-10-1
A8168

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8168			NORTHING	126710.732
WELL NAME	699-10-1	CONST DATE		EASTING	589686.199
HOST WELL ID		CONST DEPTH		ELEVATION	136.198

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

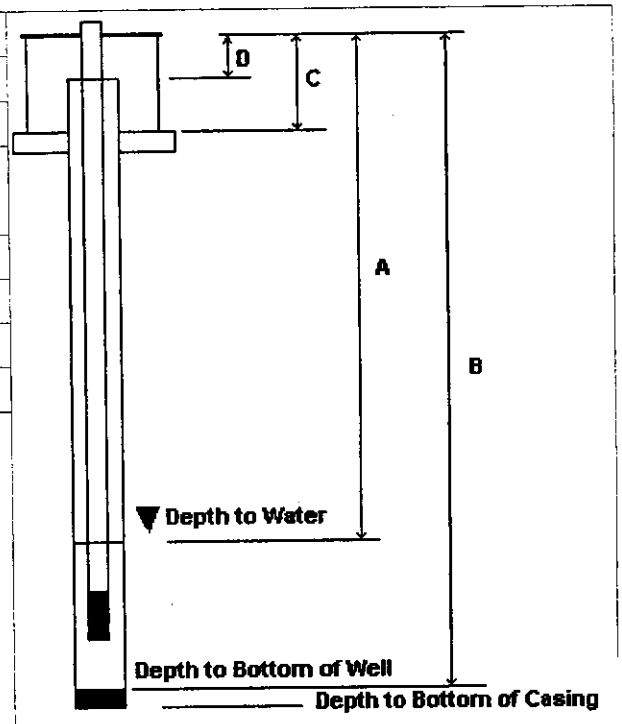
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8168			**NORTHING**	126710.732
WELL NAME	699-10-1	**CONST DATE**		**EASTING**	589686.199
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	136.198

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E3A		10044.00 3439.00	437.20 12/74	249.0 71.0					DESTROYED DB-3
699-10-E3B		10357.00 3464.00	440.10 12/74	300.0 77.0					DESTROYED DB-11
699-10-E3C VW		9600.00 3477.00	448.10 12/74	73.0					DB-17
699-10-0 SW		10300.00 -100.00		60.0 46.0					R2-SP-4
699-10-1 VW		10450.00 -760.00	443.40 12/72	58.0					B-24
699-10-2 VW									B-23
699-10-3A GW									B-36
699-10-3B GW									1A-SP-8
699-10-3C GW		1015.00 -3350.00		82.0 71.0					
699-10-3D VW		10100.00 -3400.00							
699-10-3E GW		10150.00 -3420.00		76.0 70.0					
699-10-3F GW		10100.00 -3420.00		251.0 70.0					

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUA
A8168	699-10-1	UNKNOWN	NAD83	01/01/1801	CONVERTED	126710.732	589686.199	m	

SURVEY DATA REPORT

Request No. 71-073			
Project No.	Title: Well Decommissioning at Northwest Energy A8168 699-10-1		File No. 6AT11R28
Job No. 65400801.1225400 CA10	Prepared By Tim Johnson	Date 12/05/2006	Reviewer Larry Henke / Page 1 of 1

DESCRIPTION OF WORK

Stake or locate well A8168 in support of well decommissioning per the attached.

Equipment Used: Trimble 5800 GPS Receiver
Coordinate System: US State Plane 1983
Zone: Washington South 4602
Project Datum: NAD 1983 (Conus)
Coordinate Units: Meters

DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
Bonnie Howard	1		
Ed Rafuse	1		
George Kelty	1		

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Elevation	Feature Code
A8168	126710.732	589686.199	?	WELL

No well was found. Set hub and lath. Took photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-084			
Project No.: "A	Title: WELL DECOMMISSIONING - WELL A8168 (Northwest Energy) 699-10-1		File No.: 400A-001
Job No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 12/8/06	Reviewed: Tim Johnson
			Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8168.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1		
S.Worley	1		
G. Kelty	1		
E. Rafuse	1		
			1#

DATE OF FIELD INVESTIGATION: 12/8/06

Weather: Temp 35°F Wind 10 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

		Required Functional Checks Current/Completed
___	50/60 Hz detector (for energized lines)	☐
___	Radio Frequency Electromagnetics (RF)	☐
___	Ground Penetrating Radar (GPR)	☐
x	Other (identify) Magnetometer G-858	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8168.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

Survey Project Log

Project : 71-073

User name	h0056253	**Date & Time**	3:47:57 PM 12/5/2006
Coordinate System	US State Plane 1983	**Zone**	Washington South 4602
Project Datum	NAD 1983 (Conus)		
Vertical Datum	NAVD 1988	**Geoid Model**	Geoid03
Coordinate Units	Meters		
Distance Units	Meters		
Height Units	Meters		

Survey Project Name/Title:	71-073
Survey Purpose:	Well Decommissioning
Requested By:	Bonnie Howard
Requested By:	Fluor
General Site Location:	Northwest Energy
Charge Code:	122540
Number of Points Surveyed:	
Estimated Horizontal Precision:	<=0.015m
Estimated Vertical Precision:	<=0.020m
Estimated Accuracy @ 1 Sigma:	2cm + 10E-6 X Length of Baseline
Surveyor:	Tim Johnson
Computer Software Used:	Trimble Geomatics Office Version 1.61
Computer Hardware Used:	WC79347
Survey Equipment Used:	Trimble 5800 Receiver
Control Monuments Used:	None
Survey Method:	Real Time Kinnematic
Fieldwork Start Date:	12/05/2006
Fieldwork Completion Date:	12/05/2006

Name	Northing	Easting	Elevation	Feature Code	Description
A8167	126665.665	589882.761	131.072	WELL	
GABLEMTN	141087.711	579578.187	328.495		
A8168	126710.732	589686.199	?	WELL	
A8198	126934.919	589858.977	?	WELL	

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699-10-1 (A 8168) New Sewage Facility 5/78


LOCATION W/LATH A8168 -
12/
A8168

Catalog of Borehole Descriptive Logs from the 600 Area, Hanford Site

K. R. Fecht M. A. Chamness J. T. Little

Site Department Basalt Waste Isolation Project November 1984

Prepared for the United Stats Department of Energy under Contract DE-AC06-77RL01030

Rockwell International Aerospace Division

Rockwell Hanford Operations, Richland, WA 99352

699-10-E3C (DB-17)
Location: N9600, E3477 11/28-4L3
Surface Elevation: 448.1
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Sand, loose to medium dense, light brown fine to medium, clean to slightly silty	10	10
Sand, medium dense to dense, gray to gray-brown, fine to coarse, clean, scattered fine to coarse gravel	52	62
Sandy gravel, very dense, gray, fine to coarse, clean	4	66
Sandy gravel, very dense, light brown, fine to coarse	7	73

699-10-1 (B-24)
Location: N10450, W760 11/28-5K1
Surface Elevation: 443.4
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1972, WNP-2 foundation test boring

Material (8)	Thickness	Depth
Loose to medium dense, gray, fine sand	15	15
Medium dense, tan, fine sandy silt	3	18
Medium dense, gray, fine to medium sand	12	30
Medium dense, gray, gravelly, fine to medium sand	20	50
Very dense, tan gravelly, fine to coarse sand & sandy gravel, slightly silty	8	58

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8168	699-10-1	12/31/1972		58	ft		

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8168	699-10-1	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

699-10-2 A8169

699-10-2
A8169

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8169			NORTHING	126691.23
WELL NAME	699-10-2	CONST DATE		EASTING	589256.532
HOST WELL ID		CONST DEPTH		ELEVATION	135.558

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

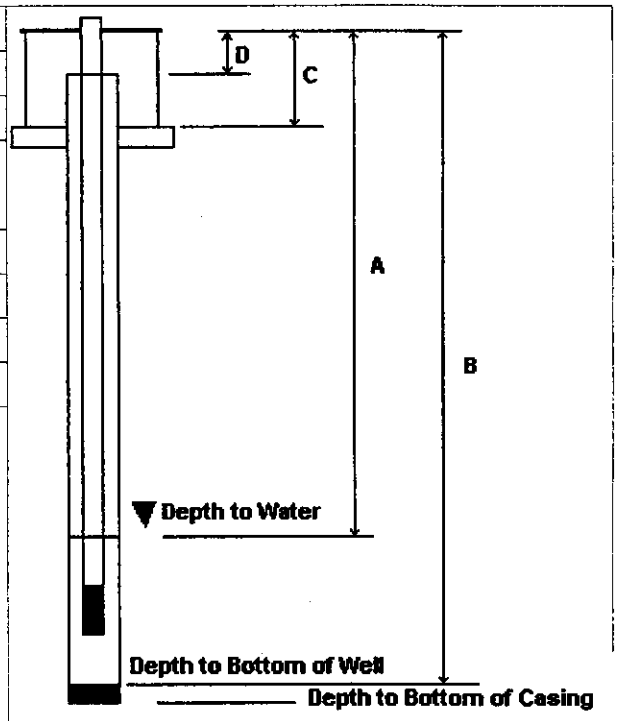
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8169			**NORTHING**	126691.23
WELL NAME	699-10-2	**CONST DATE**		**EASTING**	589256.532
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	135.558

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME WELL TYPE PUMP TYPE	COORDINATES L 83 NS/EW	 PLANT NS/EW	CASING ELEV WELL DIAM DATE COMPL	DRILL DEPTH COMPL DEPTH DEPTH WATER	PERF/SCREEN TYPE DIAM TOP BOT	COMMENTS PREVIOUS WELL NAMES
699-10-E3A		10044.00	437.20	249.0		DESTROYED
AB		3439.00				
			12/74	71.0		DB-3
699-10-E3B		10357.00	440.10	300.0		DESTROYED
AB		3464.00				
			12/74	77.0		DB-11
699-10-E3C		9600.00	448.10	73.0		
VW		3477.00				
			12/74			DB-17
699-10-0		10300.00		60.0		
SW		-100.00				
				46.0		R2-SP-4
699-10-1		10450.00	443.40	58.0		
VW		-760.00				
			12/72			B-24
699-10-2		10390.00	441.30	59.0		
VW		-2170.00				
			12/72			B-23
699-10-3A						
GW						B-36
699-10-3B						
GW						1A-SP-8
699-10-3C						
GW						
699-10-3D		10100.00				
VW		-3400.00				
699-10-3E		10150.00		76.0		
GW		-3420.00				
				70.0		
699-10-3F		10100.00		251.0		
GW		-3420.00				
				70.0		

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUAL
A8169	699-10-2	UNKNOWN	NAD83	01/01/1801	CONVERTED	126691.23	589256.532	m	

SURVEY DATA REPORT

Request No. 071-073			
Project No.	Title: Well Decommissioning A8169 C99-10-2		File No. 6AT11R28
Job No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Tony Herbst / Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8169 at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8169	N 126691.23, E 589256.53	No evidence found. Falls inside fenced area south of cooling towers. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106			
Project No.: N/A	Title: 699-10-2 WELL DECOMMISSIONING - WELL A8169		File No.: 400A-001
Job No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 12/22/06	Reviewer: SAW

Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8169.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			1#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

		Required Functional Checks Current/Completed
___	50/60 Hz detector (for energized lines)	☐
___	Radio Frequency Electromagnetics (RF)	☐
___	Ground Penetrating Radar (GPR)	☐
x	Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8169.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

Catalog of Borehole Descriptive Logs from the 600 Area, Hanford Site

K. R. Fecht M. A. Chamness J. T. Little
Site Department Basalt Waste Isolation Project November 1984

Prepared for the United Stats Department of Energy under Contract DE-AC06-77RL01030
Rockwell International Aerospace Division
Rockwell Hanford Operations, Richland, WA 99352

699-10-2 (B-23)
Location: N10390, W2170 11/28-5L1
Surface Elevation: 441.3
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1972, WNP-2 foundation test boring

Material (8)	Thickness	Depth
Loose, tan, slightly silty, fine sand	8	8
Loose, tan, slightly silty, fine sand interbedded w/gray, fine sand layers	2	10
Very dense, gray, gravelly, fine to coarse sand, slightly silty	3	13
Medium dense, gray, fine to medium sand, scattered gravel below 23 ft.	18	31
Dense, gray, fine to coarse sand w/scattered gravel	7	38
Dense, gray, gravelly, fine to coarse sand, slightly silty	8	46
Very dense, tan, gravelly, fine to coarse sand, slightly silty; boulders at 55 ft.	13	59

699-10-3A (B-36)
Location: N9997, W3466 11/28-5M1
Casing Elevation: 451.5
Rotary (to 522 ft.) & diamond coring, drilled by Soil Sampling Service & logged by Shannon & Wilson for WPPSS, 1972, bedrock geology investigation borehole

Material (8)	Thickness	Depth
Dark gray, slightly silty, fine to coarse sandy gravel	10	10
Dark gray, fine to coarse sand w/occasional gravel & cobbles	50	60
Light brown, slightly silty, fine to coarse sandy gravel	70	130
Light brown, silty, fine to medium sand, micaceous	10	140
Light brown, slightly silty fine to coarse sandy gravel w/cobbles	10	150

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8169	699-10-2	12/31/1972		59	ft		

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8169	699-10-2	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

699-10-3C A8172

699-10-3C
A8172

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8172			**NORTHING**	126616.801
WELL NAME	699-10-3C	**CONST DATE**		**EASTING**	588897.418
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
EBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
UBING LENGTH (ft)		TUBING LENGTH (ft)	
UBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

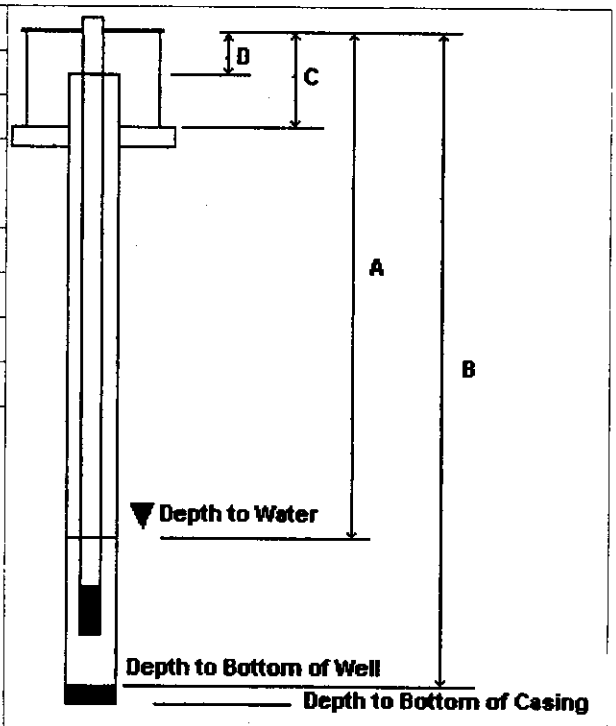
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8172			**NORTHING**	126616.801
WELL NAME	699-10-3C	**CONST DATE**		**EASTING**	588897.418
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E3A		10044.00	437.20	249.0					DESTROYED
AB		3439.00							
			12/74	71.0					DB-3
699-10-E3B		10357.00	440.10	300.0					DESTROYED
AB		3464.00							
			12/74	77.0					DB-11
699-10-E3C		9600.00	448.10	73.0					
VW		3477.00							
			12/74						DB-17
699-10-0		10300.00		60.0					
SW		-100.00							
				46.0					R2-SP-4
699-10-1		10450.00	443.40	58.0					
VW		-760.00							
			12/72						B-24
699-10-2		10390.00	441.30	59.0					
VW		-2170.00							
			12/72						B-23
699-10-3A		9997.00	451.50	947.0					
GW		-3466.00							
			12/72	57.0					B-36
699-10-3B		9875.00	466.10	107.0					
GW		-3325.00							
			12/74	71.0					1A-SP-8
699-10-3C		1015.00		82.0					
GW		-3350.00							
				71.0					
699-10-3									
699-10-3				)					
				)					
699-10-3				)					
				70.0					

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SEE SURVEY & SCAN REPORTS
WELL DIAGRAM.

12/14/06

WELL ATTRIBUTES REPORT

IELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8172			**NORTHING**	126616.801
WELL NAME	699-10-3C	**CONST DATE**		**EASTING**	588897.418
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
)LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
UBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

7/28/2006

SEE SURVEY & SCAN REPORTS
WELL DECOMM.

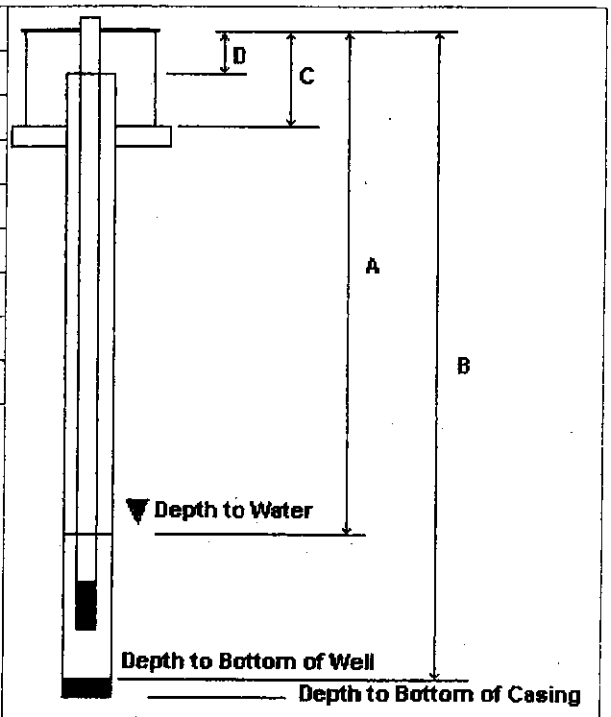
12/14/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8172			NORTHING	126616.801
WELL NAME	699-10-3C	CONST DATE		EASTING	588897.418
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUA
A8172	699-10-3C	UNKNOWN	NAD83	01/01/1801	CONVERTED	126616.801	588897.418	m	

SURVEY DATA REPORT

Request No. 071-073

ect No.	Title: Well Decommissioning A8172 699-10-3C	File No. 6AT11R28

Job No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Tony Herbst	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8172 at coordinates given and report if above ground evidence exists. Horizontal Datum: WCS83S/91 (Meters)	Survey File	OR		
	B.J. Howard	1		
	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8172	N 126616.80, E 588897.42	No evidence found. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106		
Project No.:	Title: 699-10-3C WELL DECOMMISSIONING - WELL A8172	File No.: 400A-001

Job No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 12/22/06	Reviewer: SAW	Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8172.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			3#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:	Required Functional Checks Current/Completed
___ 50/60 Hz detector (for energized lines)	☐
___ Radio Frequency Electromagnetics (RF)	☐
___ Ground Penetrating Radar (GPR)	☐
x Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8172.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8172	699-10-3C	01/01/1801					

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8172	699-10-3C	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

	WELL #	DEPTH	COMPLETED DEPTH	STATIC LEVEL	CASING SIZE	HOW SCREENED	SCREENED INTERVAL	DATE DRILLED	SCREEN PACK	COMMENTS
A9157	699-56-E46	102'(H.wells) 61' 12-12-94	96'(H.wells)	58'(H.well.) 54' 12-12-94	8" to bottom	perforated	50'-100' 3holes/2ft	1/54	none documented	· 618-10BG/316-4 Crib · last chem data 1959 · Fill below 96'(R.L.DBish) · 7' of water in well
A8170	699-10-3a see wells 1-6 below	947'(H.wells)	information not available	57'(H.wells)		No informat. available at all from any source	No informa. available at all from any source	12/72	No information available at all from any source	· likely candidate for remediation due to interaquifer communica. · old WPPSS seismic shot hole but WPPSS staff has no information · South of 618-11 BG · *not labeled in field*
A8171	699-10-3b see wells 1-6 below	107'(H.wells)	information not available	71'(H.wells)		No information available	No information available	12/74	No information available	· old WPPSS seismic shot hole · WPPSS staff has no inform. · South of 618-11 BG · *not labelled in field*
A8172	699-10-3c see wells 1-6 below	852'(H.wells)	information not available	71'(H.wells)		No information available	No information available	Not Known	No information available	· old WPPSS seismic shot hole · WPPSS staff has no info. · South of 618-11 BG · *not labelled in the field*
A8173	699-10-3d See wells 1-6 below	No data available	No data available	No data available		No data avail.	No data avail.	Not Known	No data avail.	· old WPPSS seismic shot hole but they have no data on it · Hanford Wells lists it as a vadose well · South of 618-11 BG · *not labelled in the field*
A8174	699-10-3e see wells 1-6 below	76'(H.wells)	No data available	70'(H.wells)		No data available	No data available	Not Known	No data available	· old WPPSS seismic shot hole but they have no data on it · South of 618-11 BG · *not labelled in the field*

• entries in orange reflect recent field measurements/information

699-10-3E A8174

699-10-3E
A8174

WELL ATTRIBUTES REPORT

IELD ORDER NO				**LAST INSPECTION**	1/1/1801
/ELL ID	A8174			**NORTHING**	126616.74
WELL NAME	699-10-3E	**CONST DATE**		**EASTING**	588876.084
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
)LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
'JBING LENGTH (ft)		TUBING LENGTH (ft)	
JBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

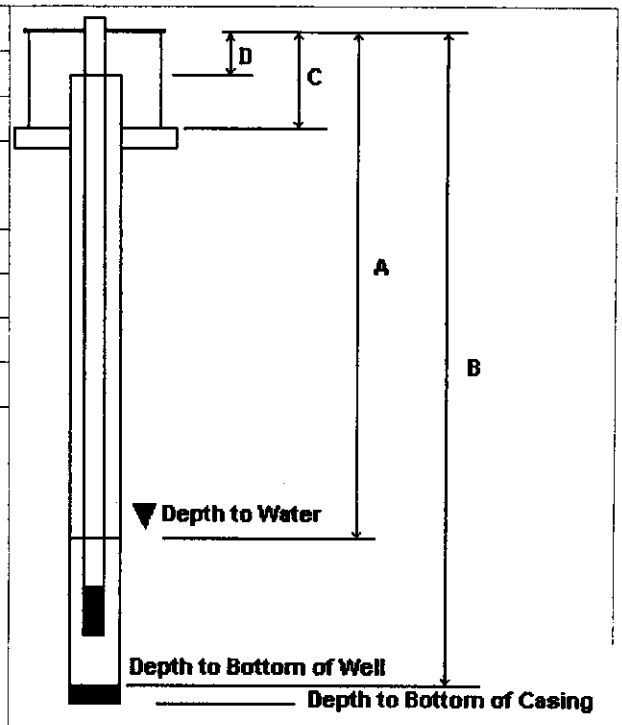
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8174			**NORTHING**	126616.74
WELL NAME	699-10-3E	**CONST DATE**		**EASTING**	588876.084
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW / PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E3A	10044.00	437.20	249.0					DESTROYED
AB	3439.00							
		12/74	71.0					DB-3
699-10-E3B	10357.00	440.10	300.0					DESTROYED
AB	3464.00							
		12/74	77.0					DB-11
699-10-E3C	9600.00	448.10	73.0					
VW	3477.00							
		12/74						DB-17
699-10-0	10300.00		60.0					
SW	-100.00							
			46.0					R2-SP-4
699-10-1	10450.00	443.40	58.0					
VW	-760.00							
		12/72						B-24
699-10-2	10390.00	441.30	59.0					
VW	-2170.00							
		12/72						B-23
699-10-3A	9997.00	451.50	947.0					
GW	-3466.00							
		12/72	57.0					B-36
699-10-3B								
GW								1A-SP-8
699-10-3C								
GW								
699-10-3D								
VW								
699-10-3E	10150.00		76.0					
GW	-3420.00							
			70.0					
699-10-3F	10100.00		251.0					
GW	-3420.00							
			70.0					

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SEE SURVEY & SCAN REPORT
WELL DETAIL.

12/14/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8174			NORTHING	126616.74
WELL NAME	699-10-3E	CONST DATE		EASTING	588876.084
HOST WELL ID		CONST DEPTH		ELEVATION	

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

SEE SURVEY & SCAN REPORT
WELL DECOMM.

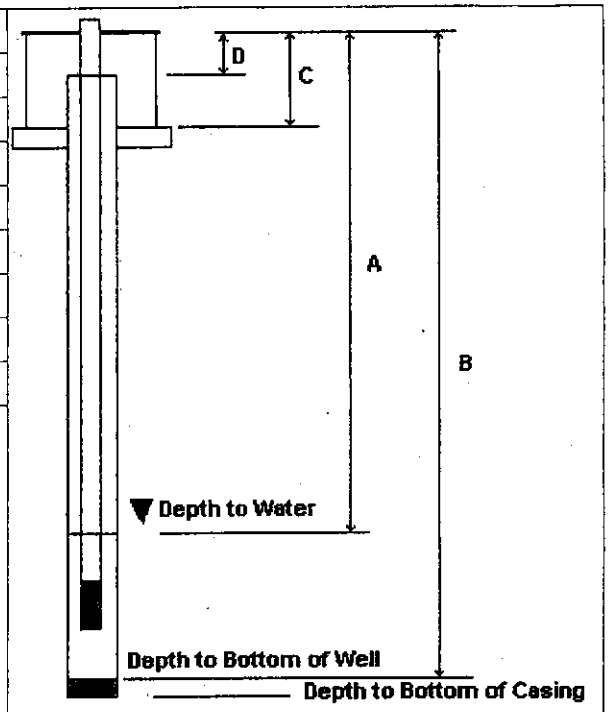
12/11/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8174			NORTHING	126616.74
WELL NAME	699-10-3E	CONST DATE		EASTING	588876.084
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUAI
A8174	699-10-3E	UNKNOWN	NAD83	01/01/1801	CONVERTED	126616.74	588876.084	m	

SURVEY DATA REPORT

Request No. 071-073

ect No.

Title: Well Decommissioning A8174 699-10-3E

File No. 6AT11R28

Job No.	Prepared By	Date	Reviewer	Page
65400801.1225400 CA10	S. Wray	12/14/06	Tony Denke	1 of 1

DESCRIPTION OF WORK

Stake / Search location of Well A8174 at coordinates given and report if above ground evidence exists.

Horizontal Datum: WCS83S/91 (Meters)

DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
B.J. Howard	1		
E.C. Rafuse	1		
G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8174	N 126616.74, E 588876.08	No evidence found. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106		
Project No.: \	Title: 699-10-3E WELL DECOMMISSIONING - WELL A8174	File No.: 400A-001

Job No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 12/22/06	Reviewer: SAW	Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8174.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			4#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

		Required Functional Checks Current/Completed
___	50/60 Hz detector (for energized lines)	☐
___	Radio Frequency Electromagnetics (RF)	☐
___	Ground Penetrating Radar (GPR)	☐
x	Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8174.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8174	699-10-3E	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

	WELL #	DEPTH	COMPLETED DEPTH	STATIC LEVEL	CASING SIZE	HOW SCREENED	SCREENED INTERVAL	DATE DRILLED	SCREEN PACK	COMMENTS
A9157	699-56-E4G	102'(H.Wells) 61' 12-12-94	96'(H.wells)	58'(H.Wells) 54' 12-12-94	8"-to bottom	perforated	50'-100' 3holes/2 in	1/54	none documented	• 618-10BG/316-4 Crib • last chem data 1959 • Fill below 96'(R.L.DBase) • 7' of water in well
A8170	699-10-3a see wells 1-6 below	947'(H.wells)	information not available	57'(H.wells)		No information available at all from any source	No information available at all from any source	12/72	No information available at all from any source	• likely candidate for remediation due to interaquifer communica. • old WPPSS seismic shot hole but WPPSS staff has no information • South of 618-11 BG • not labeled in field
A8171	699-10-3b see wells 1-6 below	107'(H.wells)	information not available	71'(H.wells)		No information available	No information available	12/74	No information available	• old WPPSS seismic shot hole • WPPSS staff has no inform. • South of 618-11 BG • not labelled in field
A8172	699-10-3c see wells 1-6 below	82'(H.wells)	information not available	71'(H.wells)		No information available	No information available	Not Known	No information available	• old WPPSS seismic shot hole • WPPSS staff has no info. • South of 618-11 BG • not labelled in the field
A8173	699-10-3d See wells 1-6 below	No data available	No data available	No data available		No data avail.	No data avail.	Not Known	No data avail.	• old WPPSS seismic shot hole but they have no data on it • Hanford wells lists it as a vadose well • South of 618-11 BG • not labelled in the field
A8174	699-10-3e see wells 1-6 below	76'(H.wells)	No data available	70'(H.Wells)		No data available	No data available	Not Known	No data available	• old WPPSS seismic shot hole but they have no data on it • South of 618-11 BG • not labelled in the field

• entries in orange reflect recent field measurements/information

699-10-E3C A8184

699-10-E3C
A8184

WELL ATTRIBUTES REPORT

ELD ORDER NO				**LAST INSPECTION**	1/1/1801
ELL ID	**A8184**			**NORTHING**	126448.363
WELL NAME	**699-10-E3C**	**CONST DATE**		**EASTING**	590986.919
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	137.628

LAST INSPECTION INFORMATION		**CURRENT INSPECTION INFORMATION**	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
)LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
-QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
)EBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
UBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

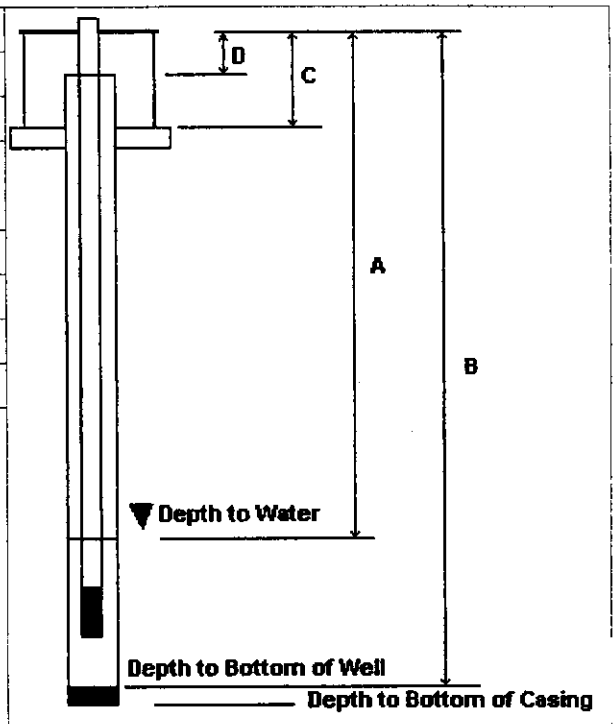
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8184			**NORTHING**	126448.363
WELL NAME	699-10-E3C	**CONST DATE**		**EASTING**	590986.919
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	137.628

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E3A		10044.00	437.20	249.0					DESTROYED
AB		3439.00							
			12/74	71.0					DB-3
699-10-E3B		10357.00	440.10	300.0					DESTROYED
AB		3464.00							
			12/74	77.0					DB-11
699-10-E3C		9600.00	448.10	73.0					
VW		3477.00							
			12/74						DB-17
699-10-0		10300.00		60.0					
SW		-100.00							
				46.0					R2-SP-4
699-10-1		10450.00	443.40	58.0					
VW		-760.00							
			12/72						B-24
699-10-2		10390.00	441.30	59.0					
VW		-2170.00							
			12/72						B-23
699-10-3A		9997.00	451.50	947.0					
GW		-3466.00							
			12/72	57.0					B-36
699-10-3B		9875.00	466.10	107.0					
GW		-3325.00							
			12/74	71.0					1A-SP-8
699-10-3C		1015.00		82.0					
GW		4350.00							
				71.0					
				76.0					
				70.0					
				251.0					
				70.0					

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SURVEY DATA REPORT

Request No.	
071-073	

Project No.	Title:	File No.
	Well Decommissioning A8184	6AT11R28

Job No.	Prepared By	Date	Reviewer	Page
65400801.1225400 CA10	S. Wray	12/14/06	Larry Henke	1 of 1

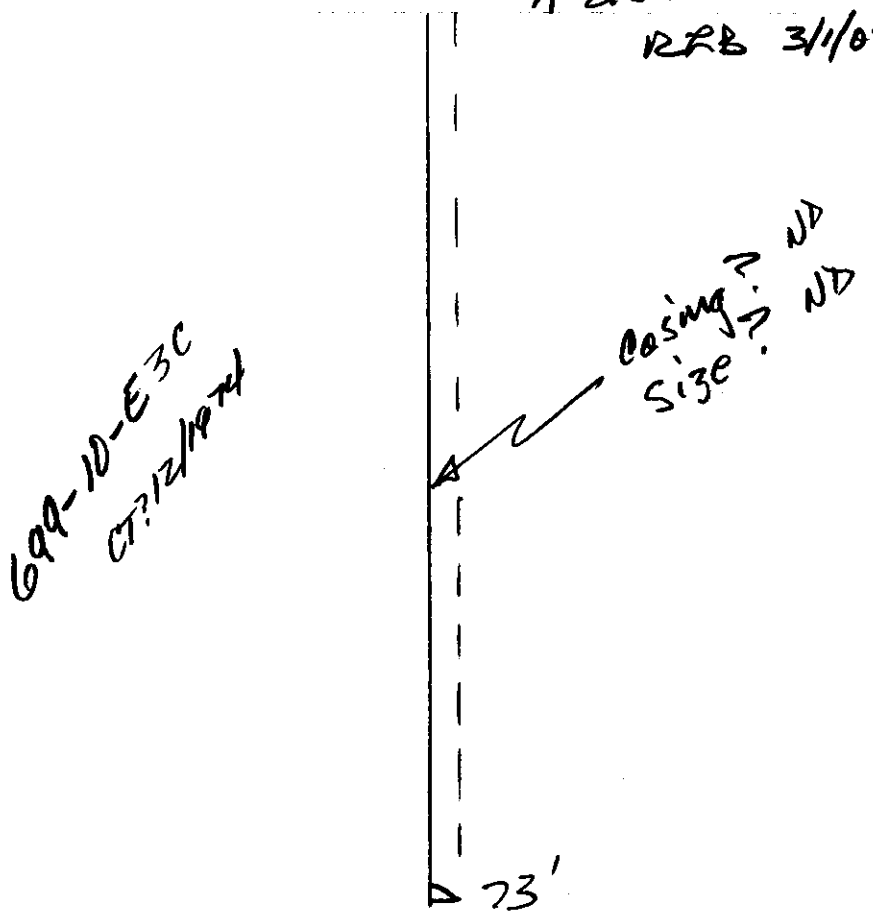
DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8184 at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8184	N 126448.36, E 590986.92	Falls on Spray Pond Structure. Unable to stake.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

A 8184
RRB 3/1/05



Vadose Zone

not to scale

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8184	699-10-E3C	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8184	699-10-E3C	12/31/1974		73	ft		

Query HWIS again

HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8184	699-10-E3C	-- No information available --		

Catalog of Borehole Descriptive Logs from the 600 Area, Hanford Site

K. R. Fecht M. A. Chamness J. T. Little

Site Department Basalt Waste Isolation Project November 1984
Prepared for the United Stats Department of Energy under Contract DE-AC06-77RL01030
Rockwell International Aerospace Division
Rockwell Hanford Operations, Richland, WA 99352

699-10-E3C (DB-17)
Location: N9600, E3477 11/28-4L3
Surface Elevation: 448.1
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Sand, loose to medium dense, light brown fine to medium, clean to slightly silty	10	10
Sand, medium dense to dense, gray to gray-brown, fine to coarse, clean, scattered fine to coarse gravel	52	62
Sandy gravel, very dense, gray, fine to coarse, clean	4	66
Sandy gravel, very dense, light brown, fine to coarse	7	73

699-10-1 (B-24)
Location: N10450, W760 11/28-5K1
Surface Elevation: 443.4
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1972, WNP-2 foundation test boring

Material (8)	Thickness	Depth
Loose to medium dense, gray, fine sand	15	15
Medium dense, tan, fine sandy silt	3	18
Medium dense, gray, fine to medium sand	12	30
Medium dense, gray, gravelly, fine to medium sand	20	50
Very dense, tan gravelly, fine to coarse sand & sandy gravel, slightly silty	8	58

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8184	699-10-E3C	12/31/1974		73	ft		

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8184	699-10-E3C	CANDIDATE FOR DECOMMISSIONING	05/09/2002	HWIS 2005 - ENW WNP 1/4 need GPS

699-10-E4A A8185

699-10-E4A
A8185

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8185			NORTHING	126608.226
WELL NAME	699-10-E4A	CONST DATE		EASTING	591220.01
HOST WELL ID		CONST DEPTH		ELEVATION	138.878

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

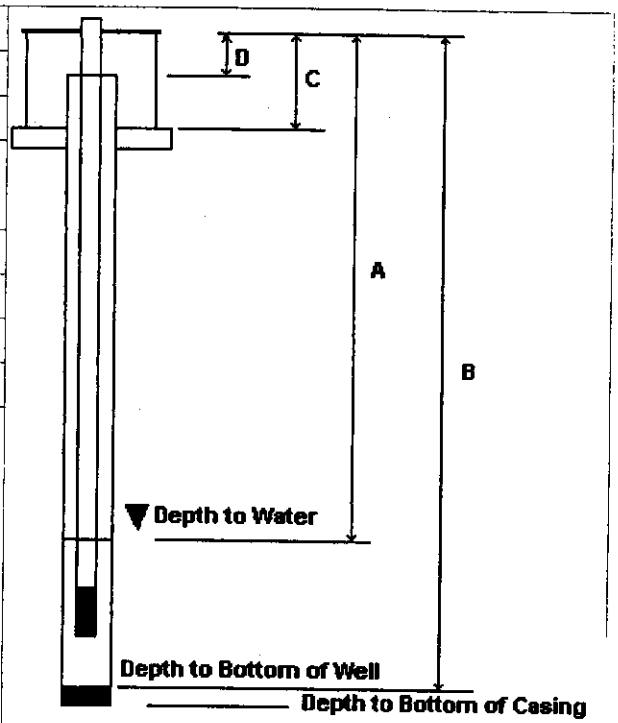
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8185			NORTHING	126608.226
WELL NAME	699-10-E4A	CONST DATE		EASTING	591220.01
HOST WELL ID		CONST DEPTH		ELEVATION	138.878

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E6		9750.00	470.67	130.0					
SW		6300.00							
			12/74						1B-SP-15
699-10-E5A		10023.00	466.30	96.0					
SW		4844.00							
			12/74						DB-19
699-10-E5B		9800.00	461.20	122.0					DESTROYED
AB		5000.00							
			12/74						1C-SP-6
699-10-E4A		10117.00	452.20	78.0					
VW		4276.00							
			12/74						DB-4
				81.0					
									DB-6
				70.0					
									DB-7
				58.0					DESTROYED
									DB-8
699-10-E4E		9869.00	435.10	140.0					DESTROYED
AB		3623.00							
			12/74	76.0					DB-8A
699-10-E4F		9869.00	435.00	258.0					DESTROYED
AB		3612.00							
			12/74	76.0					DB-8 REDRILL
699-10-E4G		10226.00	443.80	59.0					
VW		3774.00							
			12/74						DB-9
699-10-E4H		10430.00	441.10	61.0					DESTROYED
AB		3721.00							
			12/74	77.0					DB-10
699-10-E4J		10422.00	441.10	303.0					DESTROYED
AB		3720.00							
			12/74						DB-10A

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SEE SURVEY AND SCAN DATA 12/14/06
WELL DECOMM.

WELL ATTRIBUTES REPORT

IELD ORDER NO				**LAST INSPECTION**	1/1/1801
VELL ID	**A8185**			**NORTHING**	126608.226
WELL NAME	**699-10-E4A**	**CONST DATE**		**EASTING**	591220.01
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	138.878

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
'ELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
'LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
3ING LENGTH (ft)		TUBING LENGTH (ft)	
3ING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

SEE SURVEY AND SCAN DATA
WELL DECOMM.

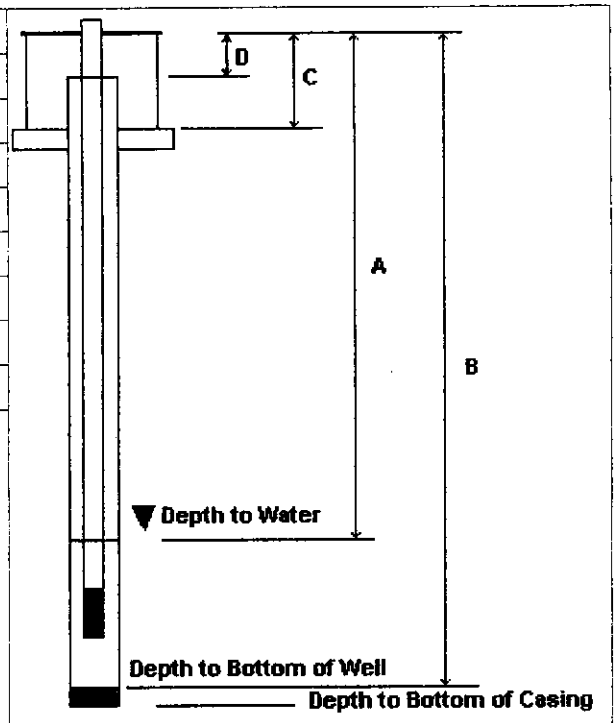
12/14/06

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	1/1/1801
/ELL ID	A8185			NORTHING	126608.226
WELL NAME	699-10-E4A	CONST DATE		EASTING	591220.01
HOST WELL ID		CONST DEPTH		ELEVATION	138.878

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

HANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

SURVEY DATA REPORT

				Request No. 071-073
oject No.	Title: Well Decommissioning A8185 699-10-E4A			File No. 6AT11R28
...o No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Larry Hentze	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8185 at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8185	N 126608.23, E 591220.01	No evidence found. Falls in between 2 south cooling towers. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106			
Project No.: A	Title: 699-10-E4A WELL DECOMMISSIONING - WELL A8185		File No.: 400A-001
Proposal No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 12/22/06	Reviewer: SAW

Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8185.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			6#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

		Required Functional Checks Current/Completed
____	50/60 Hz detector (for energized lines)	☐
____	Radio Frequency Electromagnetics (RF)	☐
____	Ground Penetrating Radar (GPR)	☐
x	Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8185.

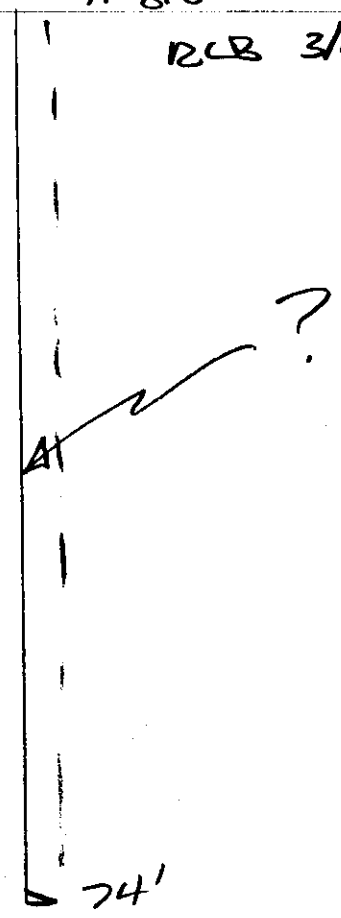
EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

A 8185

RCB 3/1/05



699-10-E4A
CT? 12/1974

not to scale

Vadose well

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8185	699-10-E4A	12/31/1974		78	ft		

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8185	699-10-E4A	CANDIDATE FOR DECOMMISSIONING	05/09/2002	HWIS 2005 - ENW WNP 1/4 need GPS

Query HWIS again

HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8185	699-10-E4A	-- No information available --		

Catalog of Borehole Descriptive Logs from the 600 Area, Hanford Site

K. R. Fecht M. A. Chamness J. T. Little

Site Department Basalt Waste Isolation Project November 1984

Prepared for the United Stats Department of Energy under Contract DE-AC06-77RL01030

Rockwell International Aerospace Division

Rockwell Hanford Operations, Richland, WA 99352

699-10-E4A (DB-4)
Location: N10117, E4276 11/28-4K3
Surface Elevation: 452.2
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, medium dense, gray-brown, fine to coarse	5	5
Sand, medium to very dense, gray, fine to coarse sand, clean to slightly silty, scattered fine to coarse gravel	65	70
Sandy gravel, dense, gray, fine to coarse clean	6	76
Sandy gravel, very dense, light brown, fine to coarse clean	2	78

699-10-E4B (DB-6)
Location: N9944, E4078 11/28-4K4
Surface Elevation: 448.0
Hollow stem auger, logged by Shannon & Wilson, for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, loose, light brown, fine to medium	5	5
Sand, loose, gray to gray-brown, fine to coarse, clean to slightly silty, trace fine to coarse gravel	10	15
Sand, medium to very dense, gray to gray-brown, fine to coarse, clean to slightly silty, trace fine to coarse gravel	53	68
Sandy gravel, dense, gray-brown, fine to coarse, clean	2	70
Sandy gravel, very dense, light brown, fine to coarse, clean to slightly silty	11	81

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

699-10-E4B A8186

699-10-E4B
A8186

WELL ATTRIBUTES REPORT

ELD ORDER NO				**LAST INSPECTION**	1/1/1801
ELL ID	**A8186**			**NORTHING**	126555.305
WELL NAME	**699-10-E4B**	**CONST DATE**		**EASTING**	591159.779
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	137.597

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
;LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
¿UIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
IBING LENGTH (ft)		TUBING LENGTH (ft)	
3ING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

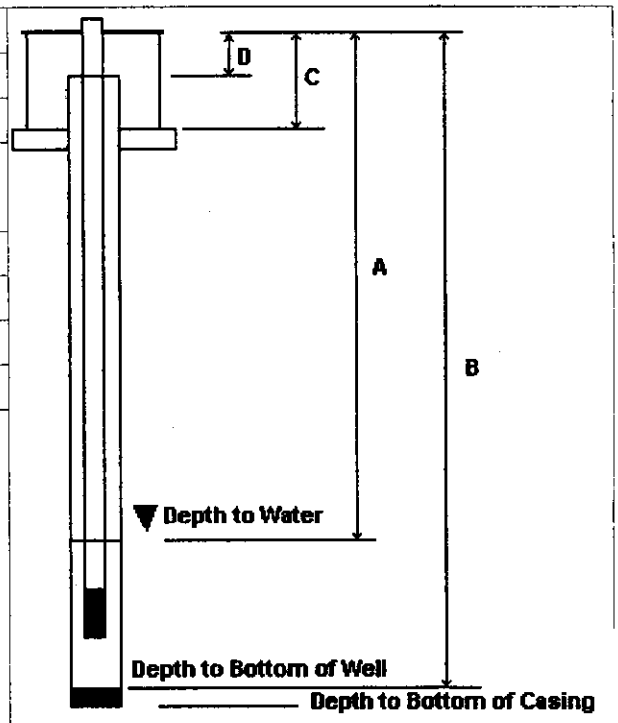
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8186			**NORTHING**	126555.305
WELL NAME	699-10-E4B	**CONST DATE**		**EASTING**	591159.779
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	137.597

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E6		9750.00	470.67	130.0					
SW		6300.00	12/74						1B-SP-15
699-10-E5A		10023.00	466.30	96.0					
SW		4844.00	12/74						DB-19
699-10-E5B		9800.00	461.20	122.0					DESTROYED
AB		5000.00	12/74						1C-SP-6
699-10-E4A		10117.00	452.20	78.0					
VW		4276.00	12/74						DB-4
699-10-E4B		9944.00	448.00	81.0					
VW		4078.00	12/74						DB-6
				70.0					DB-7
				58.0					DESTROYED
									DB-8
				140.0					DESTROYED
				76.0					DB-8A
699-10-E4F		9869.00	435.00	258.0					DESTROYED
AB		3612.00	12/74	76.0					DB-8 REDRILL
699-10-E4G		10226.00	443.80	59.0					
VW		3774.00	12/74						DB-9
699-10-E4H		10430.00	441.10	61.0					DESTROYED
AB		3721.00	12/74	77.0					DB-10
699-10-E4J		10422.00	441.10	303.0					DESTROYED
AB		3720.00	12/74						DB-10A

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SEE SURVEY & SCAN REPORTS WELL DECOMM. 12/14/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8186			NORTHING	126555.305
WELL NAME	699-10-E4B	CONST DATE		EASTING	591159.779
HOST WELL ID		CONST DEPTH		ELEVATION	137.597

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
'ELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
OLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
JBING LENGTH (ft)		TUBING LENGTH (ft)	
JBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

SEE SURVEY & SCAN REPORTS
WELL DECOMM.

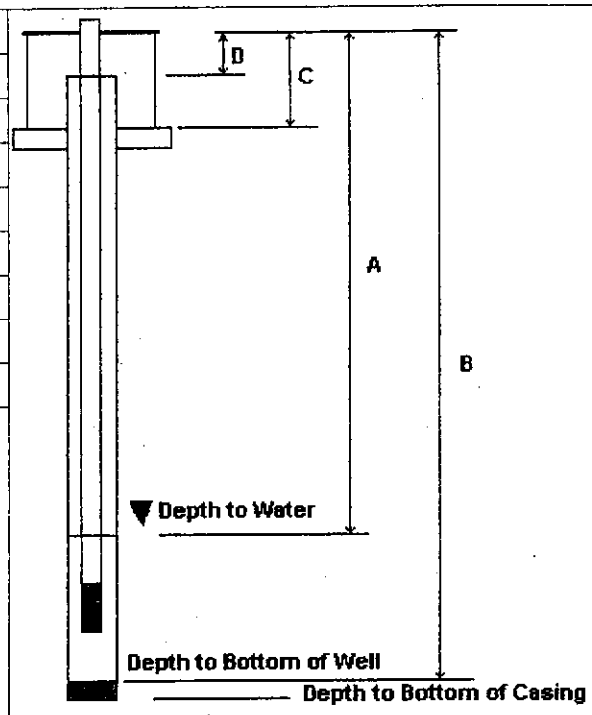
12/14/06

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8186			NORTHING	126555.305
WELL NAME	699-10-E4B	CONST DATE		EASTING	591159.779
HOST WELL ID		CONST DEPTH		ELEVATION	137.597

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

SURVEY DATA REPORT

Request No. 071-073				
ject No.	Title: Well Decommissioning A8186 699-10-E4B			File No. 6AT11R28
o No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Tony Hertz	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8186 at coordinates given and report if above ground evidence exists. Horizontal Datum: WCS83S/91 (Meters)	Survey File	OR		
	B.J. Howard	1		
	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8186	N 126555.31, E 591159.78	No evidence found. Falls on south side cooling tower. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106

Project No.:	Title:	File No.:
A	699-10-E46 WELL DECOMMISSIONING - WELL A8186	400A-001

No.:	Prepared by:	Date:	Reviewer:	Page
65400801.1225400 homex-CA10	Rand Taylor	12/22/06	SAW	1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8186.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			7#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

		Required Functional Checks Current/Completed
___	50/60 Hz detector (for energized lines)	☐
___	Radio Frequency Electromagnetics (RF)	☐
___	Ground Penetrating Radar (GPR)	☐
x	Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

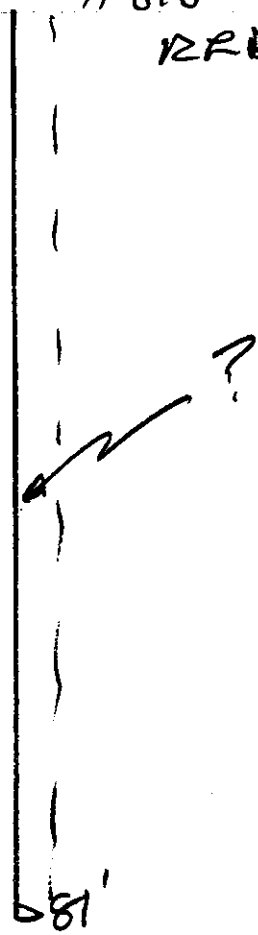
Limits of Investigation: Performed a 10' radius scan at staked well location A8186.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

A 8786
12RB 3/1/05



69-10 E4B
CT? 12/19/74

not to scale

Vadose well

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8186	699-10-E4B	12/31/1974		81	ft		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8186	699-10-E4B	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8186	699-10-E4B	-- No information available --		

699-10-E4A (DB-4)
Location: N10117, E4276 11/28-4K3
Surface Elevation: 452.2
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, medium dense, gray-brown, fine to coarse	5	5
Sand, medium to very dense, gray, fine to coarse sand, clean to slightly silty, scattered fine to coarse gravel	65	70
Sandy gravel, dense, gray, fine to coarse clean	6	76
Sandy gravel, very dense, light brown, fine to coarse clean	2	78

699-10-E4B (DB-6)
Location: N9944, E4078 11/28-4K4
Surface Elevation: 448.0
Hollow stem auger, logged by Shannon & Wilson, for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, loose, light brown, fine to medium	5	5
Sand, loose, gray to gray-brown, fine to coarse, clean to slightly silty, trace fine to coarse gravel	10	15
Sand, medium to very dense, gray to gray-brown, fine to coarse, clean to slightly silty, trace fine to coarse gravel	53	68
Sandy gravel, dense, gray-brown, fine to coarse, clean	2	70
Sandy gravel, very dense, light brown, fine to coarse, clean to slightly silty	11	81

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8186	699-10-E4B	CANDIDATE FOR DECOMMISSIONING	05/09/2002	HWIS 2005 - ENW WNP 1/4 need GPS

699-10-E4C A8187

699-10-E4C
A8187

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8187			NORTHING	126432.144
WELL NAME	699-10-E4C	CONST DATE		EASTING	591118.611
HOST WELL ID		CONST DEPTH		ELEVATION	137.018

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

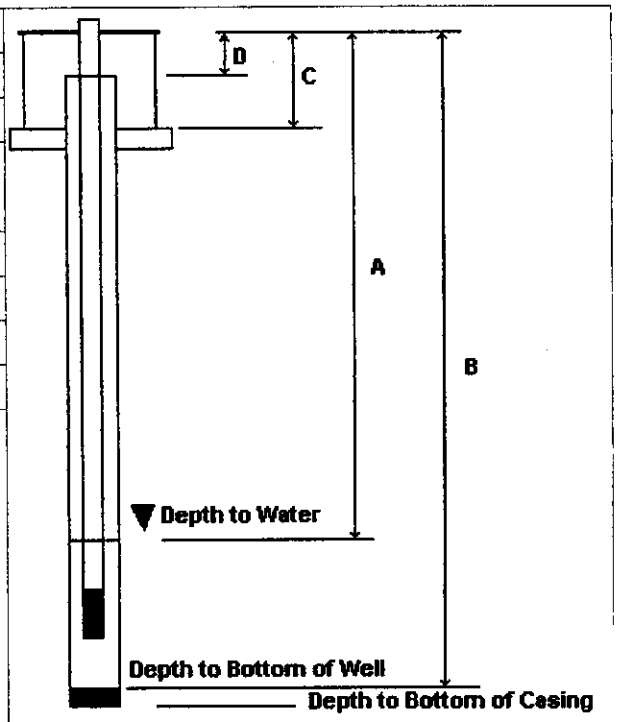
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	**A8187**			**NORTHING**	126432.144
WELL NAME	**699-10-E4C**	**CONST DATE**		**EASTING**	591118.611
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	137.018

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E6 SW		9750.00 6300.00	470.67 12/74	130.0					1B-SP-15
699-10-E5A SW		10023.00 4844.00	466.30 12/74	96.0					DB-19
699-10-E5B AB		9800.00 5000.00	461.20 12/74	122.0					DESTROYED 1C-SP-6
699-10-E4A VW		10117.00 4276.00	452.20 12/74	78.0					DB-4
699-10-E4B VW		9944.00 4078.00	448.00 12/74	81.0					DB-6
699-10-E4C VW		9546.00 3909.00	446.10 12/74	70.0					DB-7
				58.0					DESTROYED DB-8
				140.0					DESTROYED
				76.0					DB-8A
				258.0					DESTROYED
				76.0					DB-8 REDRILL
699-10-E4G VW		10226.00 3774.00	443.80 12/74	59.0					DB-9
699-10-E4H AB		10430.00 3721.00	441.10 12/74	61.0 77.0					DESTROYED DB-10
699-10-E4J AB		10422.00 3720.00	441.10 12/74	303.0					DESTROYED DB-10A

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SEE SURVEY & SCAN REPORT
WELL DIAGRAM.

12/22/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8187			NORTHING	126432.144
WELL NAME	699-10-E4C	CONST DATE		EASTING	591118.611
HOST WELL ID		CONST DEPTH		ELEVATION	137.018

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
'ELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
3ING LENGTH (ft)		TUBING LENGTH (ft)	
3ING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

7/28/2006

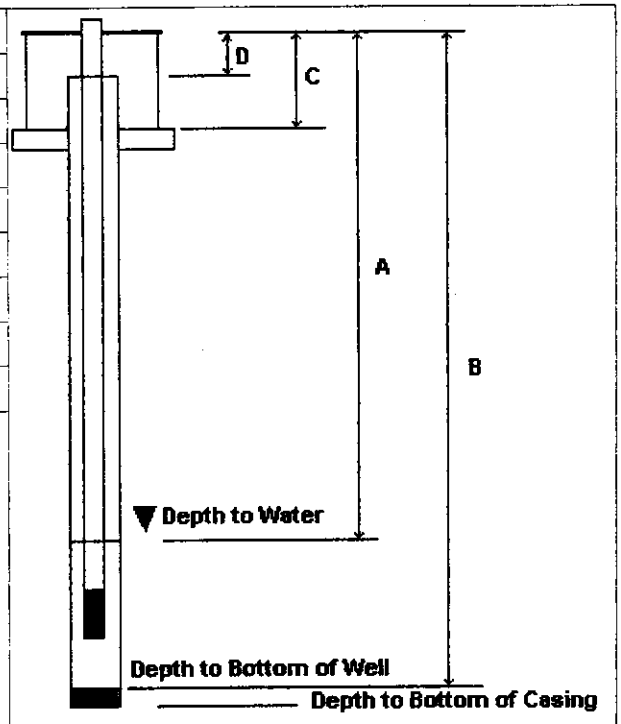
SEE SURVEY & SCAN REPORT 12/22/06
WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8187			NORTHING	126432.144
WELL NAME	699-10-E4C	CONST DATE		EASTING	591118.611
HOST WELL ID		CONST DEPTH		ELEVATION	137.018

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

SCAN DATA REPORT

Request No.: 071-106

Project No.:

Title: 699-10-E4C
WELL DECOMMISSIONING - WELL A8187

File No.: 400A-001

Job No.: 65400801.1225400 homex-CA10

Prepared by: Rand Taylor

Date: 12/22/06

Reviewer: SAW

Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8187.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			9#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

		Required Functional Checks Current/Completed
____	50/60 Hz detector (for energized lines)	☐
____	Radio Frequency Electromagnetics (RF)	☐
____	Ground Penetrating Radar (GPR)	☐
x	Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8187.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

SURVEY DATA REPORT

				Request No. 071-073
ject No.	Title: Well Decommissioning A8187 699-10E4C			File No. 6AT11R28
Job No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Tony Henke	Page 1 of 1

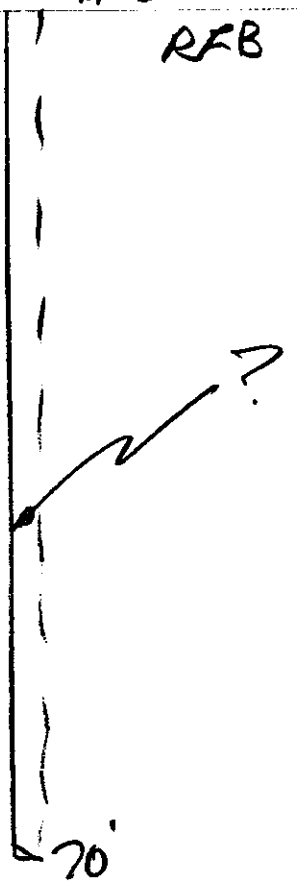
DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8187 at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8187	N 126432.14, E 591118.61	No evidence found. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

A B187
RFB 3/1/05



699-10-E4C
CT? 12/19/74

not to scale

Vadose well

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8187	699-10-E4C	12/31/1974		70	ft		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8187	699-10-E4C	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8187	699-10-E4C	-- No information available --		

Catalog of Borehole Descriptive Logs from the 600 Area, Hanford Site

K. R. Fecht M. A. Chamness J. T. Little

Site Department Basalt Waste Isolation Project November 1984

Prepared for the United Stats Department of Energy under Contract DE-AC06-77RL01030

Rockwell International Aerospace Division

Rockwell Hanford Operations, Richland, WA 99352

699-10-E4C (DB-7)
Location: N9546, E3909 11/28-4K5
Surface Elevation: 446.1
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Sand, medium dense, light brown fine, clean to slightly silty	11	11
Sand, medium to very dense, gray, fine to coarse, clean, scattered fine to coarse gravel	51	62
Gravelly sand, dense, gray, fine to coarse clean	4	66
Sandy gravel; very dense (inferred from drill action)	4	70

699-10-E4D (DB-8)
Location: N9884, E3617 11/28-4K6
Surface Elevation: 435.1
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Sand, loose, light brown, slightly silty	3	3
Sand, medium to very dense, gray fine to coarse, clean to slightly silty, scattered fine to coarse gravel	49	52
Sandy gravel, very dense, light brown to gray brown, fine to coarse, clean to coarse, clean to slightly silty	3	55
Sand, very dense, light brown, fine, slightly silty	1	56
Sandy gravel, same as interval 52-55 ft.	2	58

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8187	699-10-E4C	12/31/1974		70	ft		

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8187	699-10-E4C	CANDIDATE FOR DECOMMISSIONING	05/09/2002	HWIS 2005 - ENW WNP 1/4 need GPS

699-10-E4G A8191

699-10-E4G
A8191

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8191			**NORTHING**	126641.04
VELL NAME	699-10-E4G	**CONST DATE**		**EASTING**	591066.84
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	136.317

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
:LL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
'BING MATERIAL	ND*	TUBING MATERIAL	
'BING LENGTH (ft)		TUBING LENGTH (ft)	
.3ING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

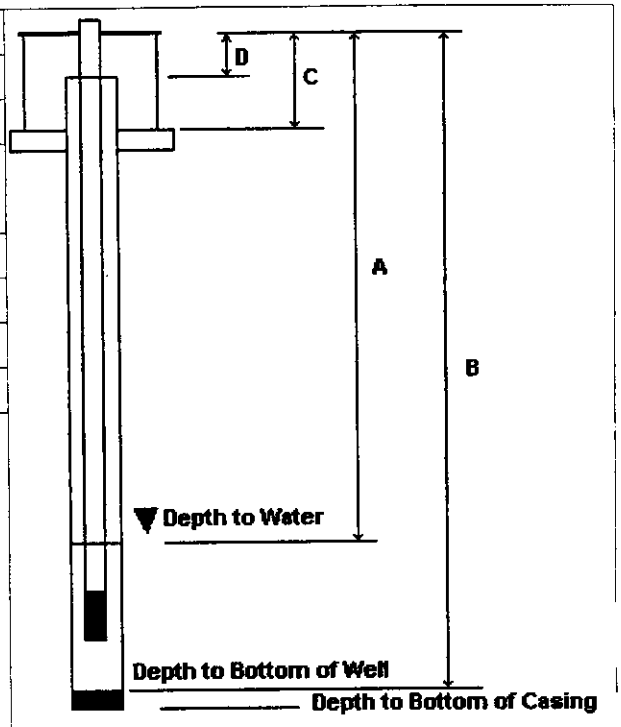
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8191			**NORTHING**	126641.04
WELL NAME	699-10-E4G	**CONST DATE**		**EASTING**	591066.84
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	136.317

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/18/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E6 SW		9750.00 6300.00	470.67 12/74	130.0					1B-SP-15
699-10-E5A SW		10023.00 4844.00	466.30 12/74	96.0					DB-19 DESTROYED
699-10-E5B AB		9800.00 5000.00	461.20 12/74	122.0					1C-SP-6
699-10-E4A VW		10117.00 4276.00	452.20 12/74	78.0					DB-4
699-10-E4B VW		9944.00 4078.00	448.00 12/74	81.0					DB-6
699-10-E4C VW		9546.00 3909.00	446.10 12/74	70.0					DB-7 DESTROYED
699-10-E4D AB		9884.00 3617.00	435.10 12/74	58.0					DB-8 DESTROYED
699-10-E4E AB		9869.00 3623.00	435.10 12/74	140.0 76.0					DB-8A DESTROYED
699-10-E4F AB		9869.00 3612.00	435.00 12/74	258.0 76.0					DB-8 REDRILL
699-10-E4G VW		10226.00 3774.00	443.80 12/74	59.0					DB-9
				61.0					DESTROYED
				77.0					DB-10
				303.0					DESTROYED DB-10A

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SEE SURVEY DATA & SCAN REPORT 12/14/06

WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8191			NORTHING	126641.04
WELL NAME	699-10-E4G	CONST DATE		EASTING	591066.84
HOST WELL ID		CONST DEPTH		ELEVATION	136.317

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
LL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
BING MATERIAL	ND*	TUBING MATERIAL	
BING LENGTH (ft)		TUBING LENGTH (ft)	
BING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

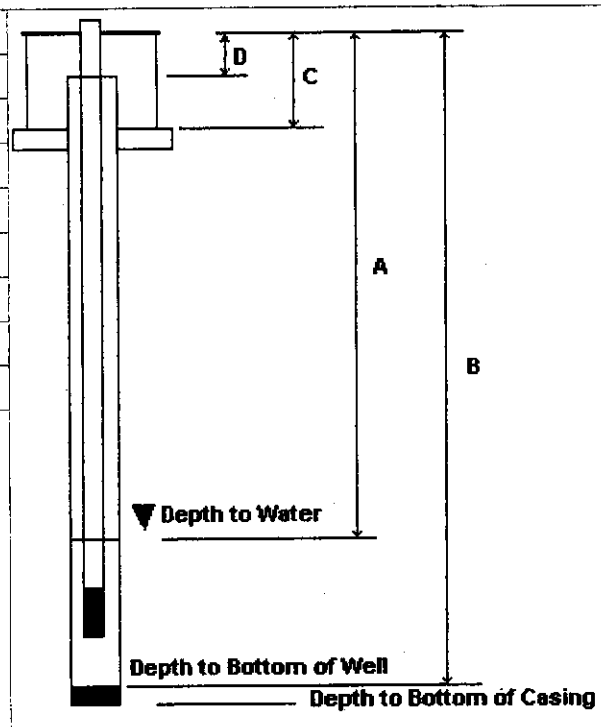
SEE SHORT DATA & SCAN REPORT 12/14/06
WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8191			NORTHING	126641.04
WELL NAME	699-10-E4G	CONST DATE		EASTING	591066.84
HOST WELL ID		CONST DEPTH		ELEVATION	136.317

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

SURVEY DATA REPORT

				Request No. 071-073
ject No.	Title: Well Decommissioning A8191 699-D-E4G			File No. 6AT11R28
...ob No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Larry Henke	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8191 at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8191	N 126641.04, E 591066.84	No evidence found. Falls near SE corner Reactor Bldg. Set hub and lath

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106

Project No.:	Title:	File No. :
A	WELL DECOMMISSIONING - WELL A8191	400A-001

Job No.:	Prepared by:	Date:	Reviewer:	Page
65400801.1225400 homex-CA10	Rand Taylor	12/22/06	SAW	1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8191.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			5#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

		Required Functional Checks Current/Completed
____	50/60 Hz detector (for energized lines)	☐
____	Radio Frequency Electromagnetics (RF)	☐
____	Ground Penetrating Radar (GPR)	☐
x	Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

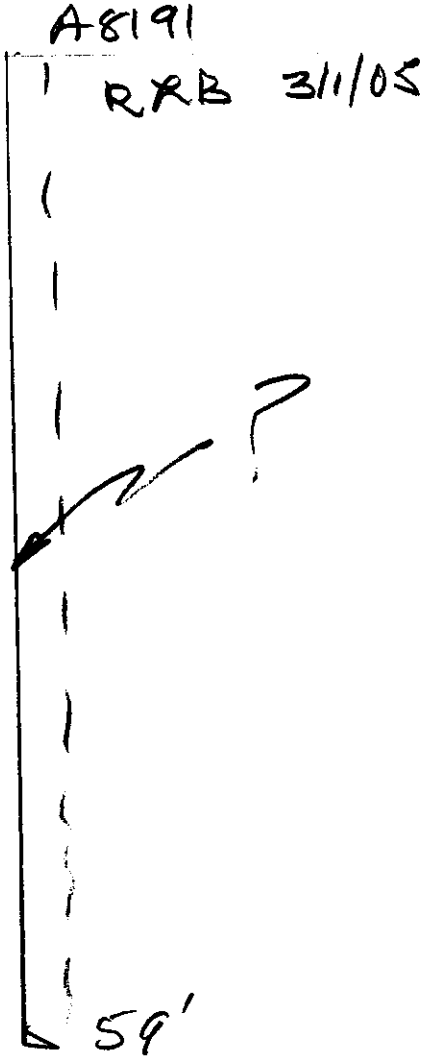
Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8191.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.



69-10-E4G
CT? 12/1974

not to scale

Vadose well

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8191	699-10-E4G	12/31/1974		59	ft		

Query HWIS again

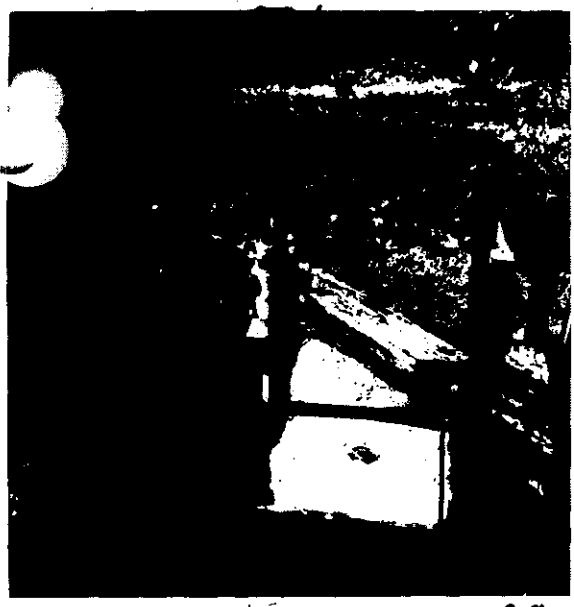
HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8191	699-10-E4G	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

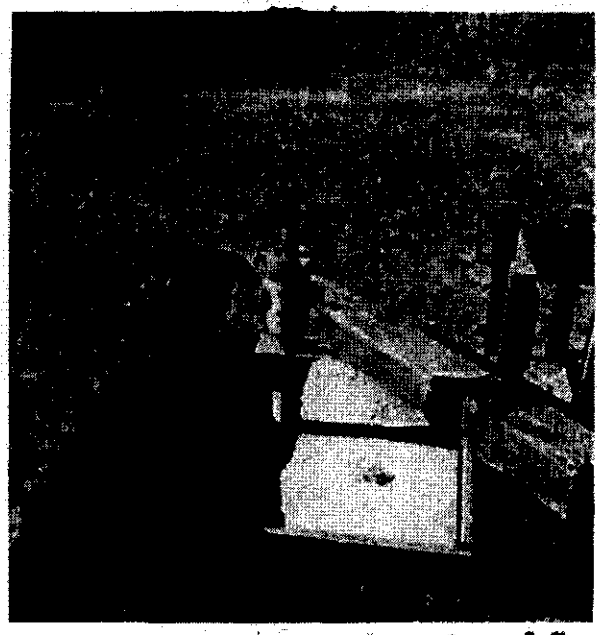
HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8191	699-10-E4G	-- No information available --		



DC-7 9-5-57

DC Station



DC-7 9-5-77

DC

699-10-E5A A8194

699-10-E5A
A8194

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8194			NORTHING	126580.042
WELL NAME	699-10-E5A	CONST DATE		EASTING	591393.293
HOST WELL ID		CONST DEPTH		ELEVATION	143.174

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

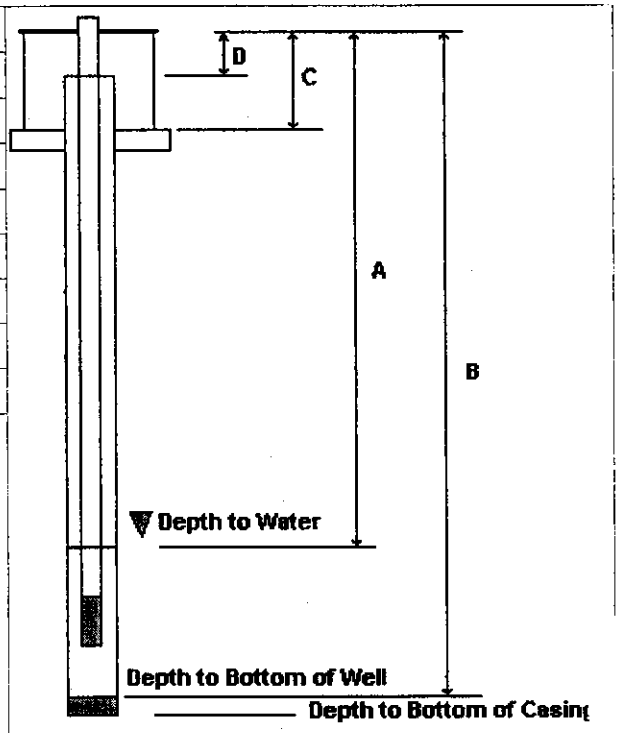
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8194			**NORTHING**	126580.042
WELL NAME	699-10-E5A	**CONST DATE**		**EASTING**	591393.293
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	143.174

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

2/28/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE DIAM TOP BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E6 SW		9750.00 6300.00	470.67 12/74	130.0		1B-SP-15
699-10-E5A SW		10023.00 4844.00	466.30 12/74	96.0		DB-19
				122.0		DESTROYED
						1C-SP-6
				78.0		DB-4
				81.0		DB-6
699-10-E4C VW		9546.00 3909.00	446.10 12/74	70.0		DB-7
699-10-E4D AB		9884.00 3617.00	435.10 12/74	58.0		DESTROYED DB-8
699-10-E4E AB		9869.00 3623.00	435.10 12/74	140.0 76.0		DESTROYED DB-8A
699-10-E4F AB		9869.00 3612.00	435.00 12/74	258.0 76.0		DESTROYED DB-8 REDRILL
699-10-E4G VW		10226.00 3774.00	443.80 12/74	59.0		DB-9
699-10-E4H AB		10430.00 3721.00	441.10 12/74	61.0 77.0		DESTROYED DB-10
699-10-E4J AB		10422.00 3720.00	441.10 12/74	303.0		DESTROYED DB-10A

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

SEE SURVEY DATA & SCAN REPORT
WELL DECOMM.

12/22/06

WELL ATTRIBUTES REPORT

IELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	**A8194**			**NORTHING**	126580.042
WELL NAME	**699-10-E5A**	**CONST DATE**		**EASTING**	591393.293
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	143.174

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
LL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
LLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
BING MATERIAL	ND*	TUBING MATERIAL	
BING LENGTH (ft)		TUBING LENGTH (ft)	
BING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

7/28/2006

SEE SURVEY DATA & SCAN REPORT
WELL DECOMM.

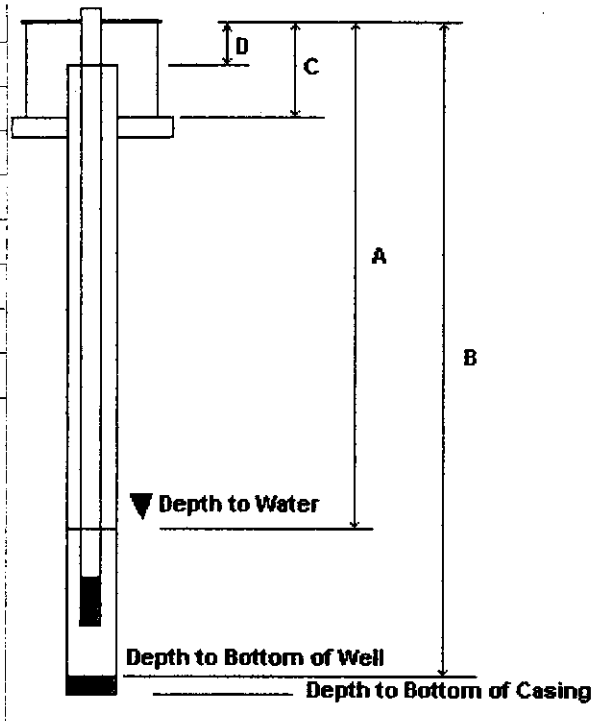
12/22/06

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8194			NORTHING	126580.042
WELL NAME	699-10-E5A	CONST DATE		EASTING	591393.293
HOST WELL ID		CONST DEPTH		ELEVATION	143.174

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

ANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

SURVEY DATA REPORT

				Request No. 071-073
ject No.	Title: Well Decommissioning A8194 699-10-E5A			File No. 6AT11R28
..o No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Larry Henke	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8194 at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8194	N 126580.04, E 591393.29	No evidence found. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106			
ject No.: A	Title: WELL DECOMMISSIONING - WELL A8194 (49-10-ESA)		File No.: 400A-001
Job No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 12/22/06	Reviewer: SAW

Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8194.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			8#

DATE OF FIELD INVESTIGATION: 12/22/06

Weather: Temp 35°F Wind 5 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

uipment Used:	Required Functional Checks Current/Completed
___ 50/60 Hz detector (for energized lines)	☐
___ Radio Frequency Electromagnetics (RF)	☐
___ Ground Penetrating Radar (GPR)	☐
x Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

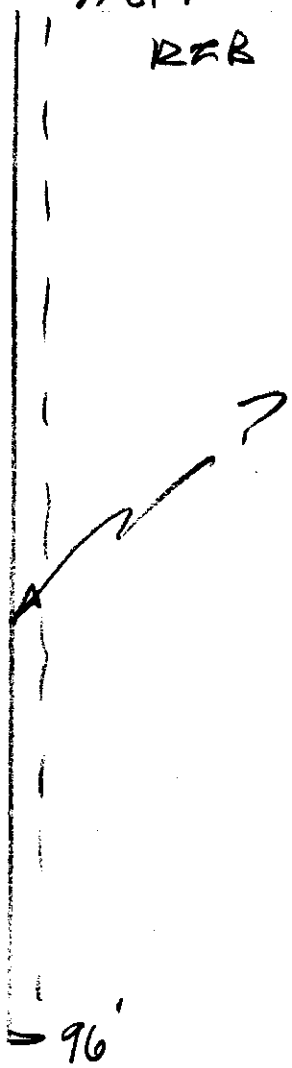
Limits of Investigation: Performed a 10' radius scan at staked well location A8194.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

A8194
RFB 3/1/05



not to scale

699-10-E5A
CT 12/1994

Vadose well

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8194	699-10-E5A	12/31/1974		96	ft		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8194	699-10-E5A	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8194	699-10-E5A	-- No information available --		

699-10-E4E (DB-8A)
Location: N9869, E3623 11/28-4K7
Surface Elevation: 435.1
Rotary, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
This interval, see 699-10-E4D	67	67
Sand, very dense, light brown, fine, clean, trace of fine gravel	1	68
Sandy gravel, same as interval 52-55 ft.	72	140

699-10-E4F (DB-8 redrill)
Location: ∿N9869, E3612 11/28-4K8
Surface Elevation: ∿435
Rotary, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
This interval, see 699-10-E4D & 699-10-E4E	140	140
Sandy gravel, same as interval 52-55 ft.	108	248
Clayey silt, hard, light tan, trace fine sand	10	258

699-10-E4G (DB-9)
Location: N10226, E3774 11/28-4K9
Surface Elevation: 443.8
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, loose, light brown, scattered roots	3	3
Sand, medium to very dense, fine to coarse, clean, scattered fine gravel	53	56
Gravelly sand, very dense, light gray, fine to coarse, slightly silty	3	59

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

Query HWIS again

HW

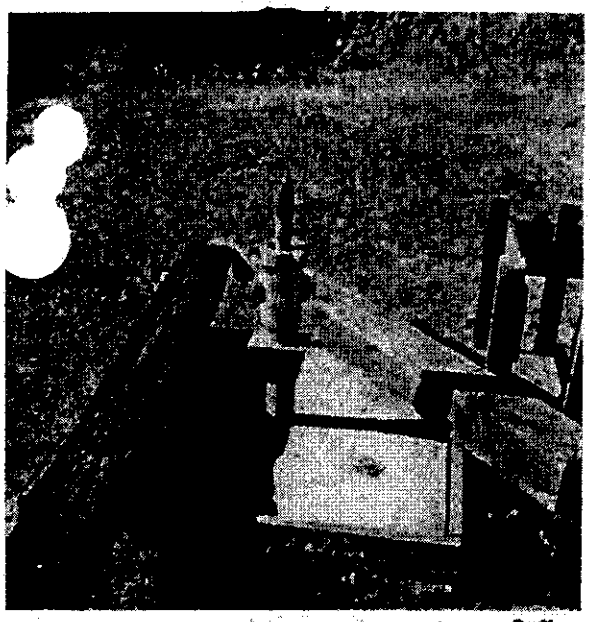
WE
AP

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8191	699-10-E4G	12/31/1974		59	ft		

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8191	699-10-E4G	CANDIDATE FOR DECOMMISSIONING	05/09/2002	HWIS 2005 - ENW WNP 1/4 need GPS



DB-7 9-3-87

DC Institute

699-10-E6 A8196

699-10-E6
A8196

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8196			NORTHING	126495.638
WELL NAME	699-10-E6	CONST DATE		EASTING	591847.214
HOST WELL ID		CONST DEPTH		ELEVATION	144.506

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
LL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
OLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
UIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
BING MATERIAL	ND*	TUBING MATERIAL	
UBING LENGTH (ft)		TUBING LENGTH (ft)	
BING CONNECTION	ND*	TUBING CONNECTION	

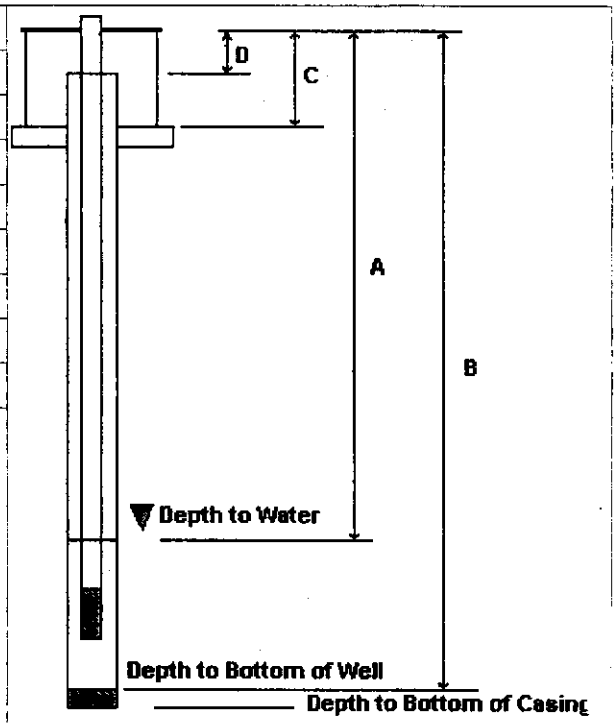
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8196			**NORTHING**	126495.638
WELL NAME	699-10-E6	**CONST DATE**		**EASTING**	591847.214
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	144.506

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

2/28/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-10-E6 SW		9750.00 6300.00	470.67 12/74	130.0					1B-SP-15
				96.0					DB-19
				122.0					DESTROYED
									1C-SP-6
				78.0					DB-4
699-10-E4B VW		9944.00 4078.00	448.00 12/74	81.0					DB-6
699-10-E4C VW		9546.00 3909.00	446.10 12/74	70.0					DB-7
699-10-E4D AB		9884.00 3617.00	435.10 12/74	58.0					DESTROYED DB-8
699-10-E4E AB		9869.00 3623.00	435.10 12/74	140.0 76.0					DESTROYED DB-8A
699-10-E4F AB		9869.00 3612.00	435.00 12/74	258.0 76.0					DESTROYED DB-8 REDRILL
699-10-E4G VW		10226.00 3774.00	443.80 12/74	59.0					DB-9
699-10-E4H AB		10430.00 3721.00	441.10 12/74	61.0 77.0					DESTROYED DB-10
699-10-E4J AB		10422.00 3720.00	441.10 12/74	303.0					DESTROYED DB-10A

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

NEAR NCW ENERGY FACILITY

SURVEY DATA & SCAN DATA REPORT INDICATES THIS WELL HAS BEEN DECOMM.

12/27/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8196			NORTHING	126495.638
WELL NAME	699-10-E6	CONST DATE		EASTING	591847.214
HOST WELL ID		CONST DEPTH		ELEVATION	144.506

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

SURVEY DATA & SCAN DATA REPORT INDICATES THIS WELL HAS BEEN DECOMM.

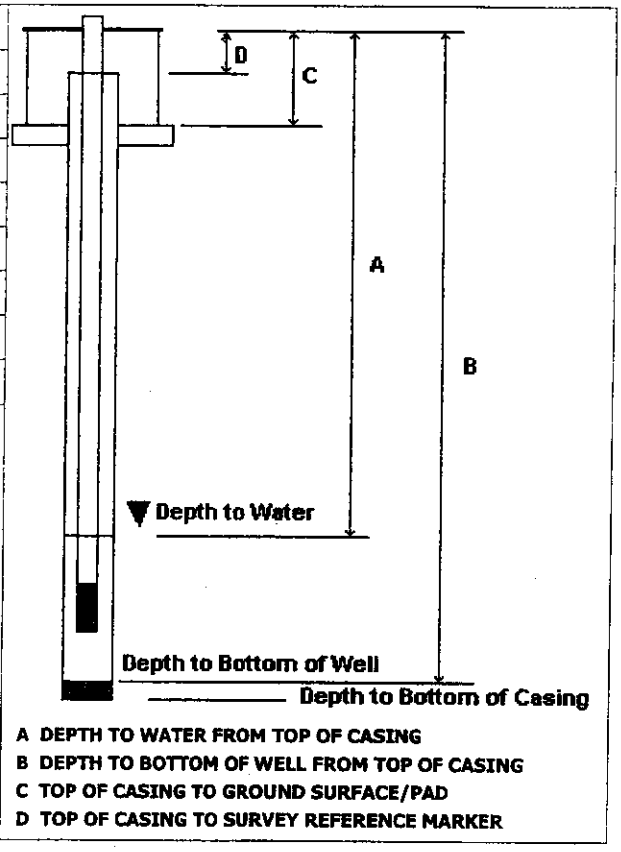
12/27/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8196			NORTHING	126495.638
WELL NAME	699-10-E6	CONST DATE		EASTING	591847.214
HOST WELL ID		CONST DEPTH		ELEVATION	144.506

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

SURVEY DATA REPORT

				Request No. 071-073
ject No.	Title: Well Decommissioning A8196			File No. 6AT11R28
Job No. 65400801.1225400 CA10	Prepared By S. Wray	Date 12/14/06	Reviewer Larry Hendze	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A8196 at coordinates given and report if above ground evidence exists. Horizontal Datum: WCS83S/91 (Meters)	Survey File	OR		
	B.J. Howard	1		
	E.C. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8196	N 126495.64, E 591847.21	No evidence found. Set hub and lath.

Note: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 071-106

Project No.:	Title:	File No.:
'A	WELL DECOMMISSIONING - WELL A8196	400A-001

Job No.:	Prepared by:	Date:	Reviewer:	Page
65400801.1225400 homex-CA10	Rand Taylor	12/27/06	Tim Johnson	1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8196.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1		
			10#

DATE OF FIELD INVESTIGATION: 12/27/06

Weather: Temp 35°F Wind 5 MPH
☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:	Required Functional Checks Current/Completed
____ 50/60 Hz detector (for energized lines)	☐
____ Radio Frequency Electromagnetics (RF)	☐
____ Ground Penetrating Radar (GPR)	☐
x Other (identify) Magnetometer G-858/ Metal Detector	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: Sketch of well locations

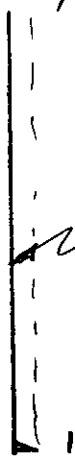
Limits of Investigation: Performed a 10' radius scan at staked well location A8196.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Note, No well casing was detected at the staked well location.

A 8196
RAB 3/1/05



694-10-E6
CT 12/1974

Seismic shot hole

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8196	699-10-E6	12/31/1974		130	ft		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8196	699-10-E6	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8196	699-10-E6	-- No information available --		