AR TARGET SHEET

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

EDMC#:	0075858
SECTION:	1 OF 2
DOCUMENT #:	08-AMCP-0085
TITLE:	ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

0075858

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

JAN 24 2008

08-AMCP-0085

RECEIVED
JAN 29 2008
EDMC

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 21 unique well records numerically by well identification and associated well name. A well identification and a formal well name have been assigned and all have survey coordinates. Seventeen of the wells are conventional single-cased wells and four 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. A7130, 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 299-E35-51. 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. For 200 East Area wells the first number after "299-E" refers to the 200 East Area sheet in which the well is located and the last number refers to the sequential well in that area. Therefore, Well Name 299-E33-66 refers to the 66th well in the 33rd sheet in the 200 East Area. For 200 West Area wells the first number after "299-W" refers to the 200 West Area sheet in which the well is located and the last number refers to the sequential well in that area. Therefore, Well Name 299-W15-52 refers to the 52nd well in the 15th sheet in the 200 West Area. 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 699-2-33AR is located in the area near 2,000 ft northing and 33,000 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. A piezometer well has an O, P, Q, R, S, T, or U added to the last number in the Well Name.

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.

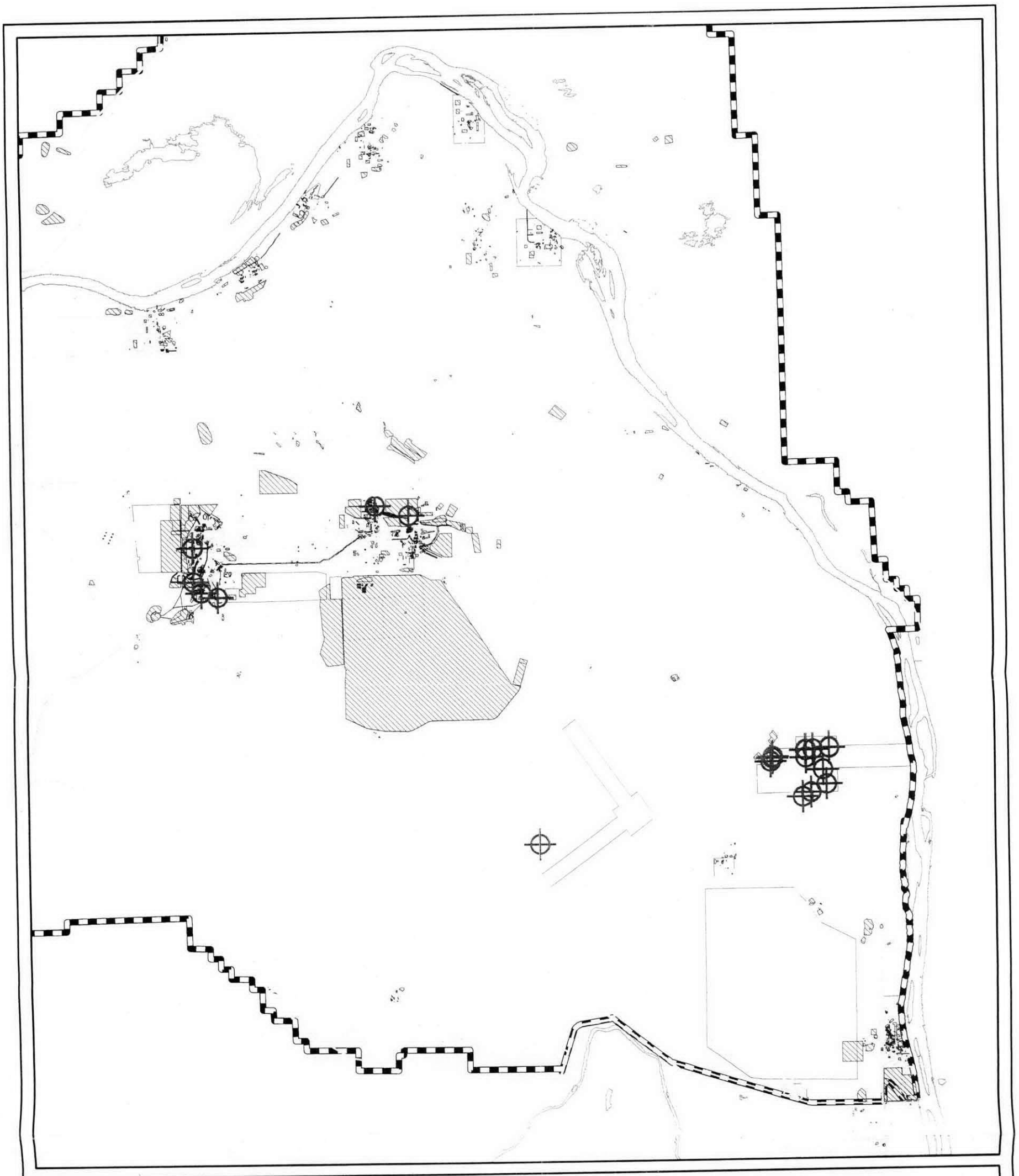
All of the 21 wells in this document have survey coordinates. Seventeen of the wells listed below are conventional single cased wells and four are piezometers (small diameter tubes placed within a host well). None of the wells have Water Well Reports available in the Ecology database. Water Well Reports 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	A7130	299-E35-51	13	A8263	699-13-2A
2	A7353	299-W15-52	14	A8264	699-13-2B
3	A7359	299-W15-58	15	A8274	699-13-E2C
4	A7862	299-W22-55	16	A8304	699-14-E2B
5	A7865	299-W22-58	17	A8308	699-14-E3D
6	A8056	299-W23-230	18	A8309	699-14-E3E
7	A9606	699-2-33AR	19	A8311	699-14-E6P
8	A8157	699-8-E3A	20	A8312	699-14-E6Q
9	A8158	699-8-E3B	21	A8313	699-14-E6R
10	A8164	699-9-E5A			
11	A8227	699-11-E5A			
12	A8246	699-12-2A			

Administrative Decommissioning 21 Wells

	WELL ID	WELL NAME	NORTHING	EASTING	WELL TYPE	HOST WELL ID	DRILL DEPTH	CONST DATE	CONST DEPTH	WELL_NAME_SYNONYMS	WASTE_SITES_100M	OU_100M	DATE LAST SAMPLED GW	DATE LAST SAMPLED	DATE LAST ROUTINE MAINTENANCE	DATE LAST MAINTENANCE	DATE LAST WLM	CLOSURE ZONE	GW AOI
1	A7130	299-E35-51	137069.3	575088.7	VADOSE WELL					CO18#1	200-E-53,200-E BP,218-E-12B,218-E-8,UPR-200-E-62,200-E-126-PL	200-CW-1, 200-SW-1, 200-SW-2, 200-UR-1						Solid Waste	200-BP-5
2	A7353	299-W15-52	135932.835	566532.046	VADOSE WELL		194			231-1	200-W-178-PL,200-W-204-PL,200-W-203-PL,200-W-201-PL,200-W-200-PL,200-W-199-PL,200-E-202-PL,200-E-203-PL,200-W-125-PL,232-Z,216-Z-5,216-Z-6,216-Z-4,216-Z-16,216-Z-17,216-Z-10,216-Z-1D,UPR-200-W-130,2607-W8	200-CW-5, 200-LW-2, 200-PW-6, 200-ST-1, 200-ZP-2, TBD			30-Apr-47	26-Jan-04		PFP	200-ZP-1
3	A7359	299-W15-58	135932.812	566522.905	VADOSE WELL		124			231-8	200-W-178-PL,200-W-203-PL,200-W-200-PL,200-W-201-PL,200-W-199-PL,200-W-204-PL,200-E-202-PL,200-E-203-PL,200-W-125-PL,232-Z,216-Z-5,216-Z-6,216-Z-4,216-Z-1D,216-Z-16,216-Z-17,216-Z-10,UPR-200-W-130,2607-W8	200-CW-5, 200-LW-2, 200-PW-6, 200-ST-1, 200-ZP-2, TBD			31-May-47	26-Jan-04		PFP	200-ZP-1
4	A7862	299-W22-55	134152.277	566848.204	VADOSE WELL		50			REDOX 5	UPR-200-W-49,200-W-54,200-W-96,216-S-8,UPR-200-W-140,UPR-200-W-141,UPR-200-W-143,UPR-200-W-146,UPR-200-W-145,UPR-200-W-144,241-SX-110,241-SX-112,241-SX-111,241-SX-115,241-SX-114,241-SX-113,241-SX-107,241-SX-108	200-IS-1, 200-PW-2, 200-RO-4, 200-UR-1			31-Dec-48	31-Dec-48		S/U Farm	200-UP-1
5	A7865	299-W22-58	133963.483	567495.831	VADOSE WELL		30			REDOX 8	296-S-4,296-S-16,293-S,296-S-1,296-S-13,291-S,291-S-1,292-S,2718-S,2711-S,219-S-102,219-S-101,218-W-7,219-S-104,219-S-103,222-SD,202-S,207-SL,200-W-76,200-W-49,200-W-43,216-S-20,216-S-22,UPR-200-W-42,UPR-200-W-41,UPR-200-W-87,200-W-149-PL,200-W-147-PL,200	200-LW-2, 200-PW-4, 200-RO-3, 200-SW-2, 200-UR-1, TBD			31-Dec-48	02-Dec-03		REDOX	200-UP-1
6	A8056	299-W23-230	134585.53	566549.69	VADOSE WELL					V3	UPR-200-W-105,UPR-200-W-106,216-U-14,216-U-10	200-CW-5						200-W Ponds	200-UP-1
7	A9606	699-2-33AR	124130.548	580097.569	HOSTED PIEZOMETER	A5079	466	28-Aug-63	263				28-Oct-69	28-Oct-69	03-Oct-58	03-Oct-58			200-PO-1
8	A8157	699-8-E3A	125822.761	590537.899	UNCLASSIFIED		82			1B-SP-11					31-Dec-74	31-Dec-74			300-FF-5
9	A8158	699-8-E3B	125990.994	590872.847	UNCLASSIFIED		83			1B-SP-12					31-Dec-74	31-Dec-74			300-FF-5
10	A8164	699-9-E5A	126311.508	591485.474	VADOSE WELL		886	26-Mar-74	886	699-9-E5, BH-138					16-Mar-74	16-Mar-74			300-FF-5
11	A8227	699-11-E5A	126875.69	591350.805	UNCLASSIFIED		121			1C-SP-7, 699-11-E5, WNP-1 #2, WPPSS1 #2					31-Dec-74	31-Dec-74			300-FF-5
12	A8246	699-12-2A	127212.438	589276.392	VADOSE WELL					699-12-2, B-SP-6	600-235	NONE							300-FF-5
13	A8263	699-13-2A	127395.556	589367.304	UNCLASSIFIED														300-FF-5
14	A8264	699-13-2B	127342.183	589353.74	UNCLASSIFIED		875			B-35					31-Dec-72	31-Dec-72			300-FF-5
15	A8274	699-13-E2C	127346.682	590670.753	UNCLASSIFIED		57			CB-14					31-Dec-74	31-Dec-74			300-FF-5
16	A8304	699-14-E2B	127637.598	590653.096	UNCLASSIFIED		13			CB-6					31-Dec-74	31-Dec-74			300-FF-5
17	A8308	699-14-E3D	127658.624	590948.577	UNCLASSIFIED		84			CB-19					31-Dec-74	31-Dec-74			300-FF-5
18	A8309	699-14-E3E	127637.368	590678.107	VADOSE WELL		629	21-May-72	629	BH-142, CB-1					21-May-72	21-May-72			300-FF-5
19	A8311	699-14-E6P	127703.282	591594.43	INDEPENDENT PIEZOMETER		507	08-Jan-66	507				29985	29985	08-Jan-66	08-Jan-66	29373		300-FF-5
20	12	699-14-E6Q	127714.872	591594.395	INDEPENDENT PIEZOMETER		452	26-Jan-66	452				29838	29838	26-Jan-66	26-Jan-66	29373		300-FF-5
21	A8313	699-14-E6R	127726.463	591594.665	INDEPENDENT PIEZOMETER		390	02-Feb-66	390				29838	29838	02-Feb-66	02-Feb-66	29373		300-FF-5



Wells Administratively Decommissioned

Buildings and Mobiles

Highways

Major Roads

Railroads

Waste Sites

Hanford Reach National Monument

Administrative Decommissioning
September 2007 Package 3

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

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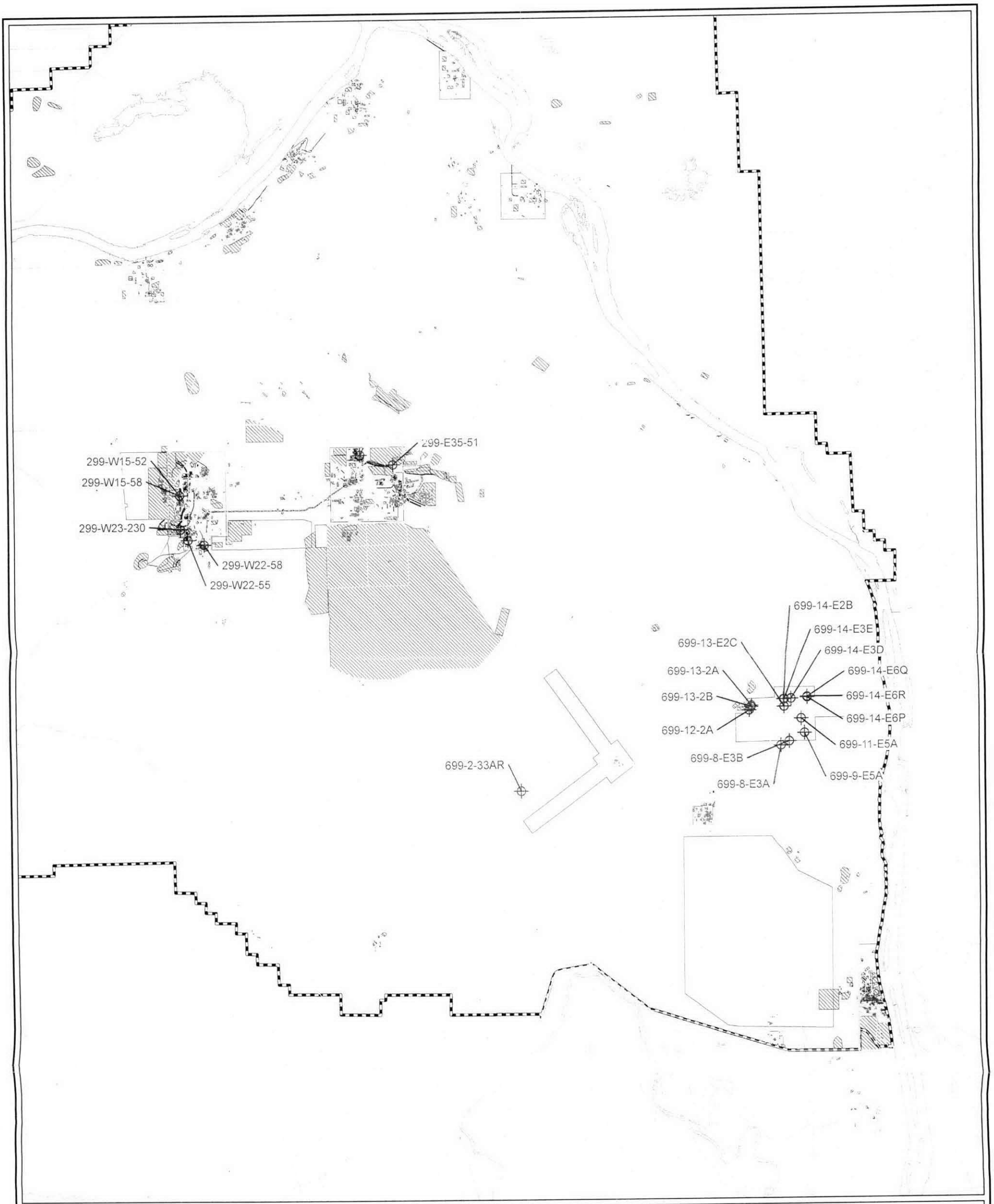

Wells Administratively Decommissioned
Highways
Major Roads
Railroads
Buildings and Mobiles
Waste Sites

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

Administrative Decommissioning
September 2007 Package 3

CMS

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

Created and Published by: Central Mapping Services
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Horizontal Datum: NAD83
Vertical Datum: NAVD88

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299-E35-51
A7130

WELL ATTRIBUTES REPORT

WELL ID	A7130	**NORTHING**	137069.3	**FIELD ORDER NO**	
WELL NAME	299-E35-51	**EASTING**	575088.7	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
SW OPERABLE UNIT	200-BP-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	200-E-53,218-E-12B				
WM PLAN(S)					
WASTE STORAGE(S)					

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 ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A7130	**NORTHING**	137069.3	**FIELD ORDER NO**	
WELL NAME	299-E35-51	**EASTING**	575088.7	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-BP-5	**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	200-E-53,218-E-12B				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL HAS BEEN DECOMMISSIONED
SEE SURVEY & SCAN REPORT 10/02/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	
WELL ID	A7130	DRILL DATE		NORTHING	137069.3
WELL NAME	299-E25-51	CONST DATE		EASTING	575088.7
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
RTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
NTONITE 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
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		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
NG LENGTH (ft)		TUBING LENGTH (ft)	
BING CONNECTION		TUBING CONNECTION	

ND* - Not Documented
BHI-EE-231 (02/20/02)

WELL HAS BEEN DECOMMISSIONED
SEE SURVEY & SCAN REPORT
10/02/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID A7130
WELL NAME 299-E35-51
HOST WELL ID

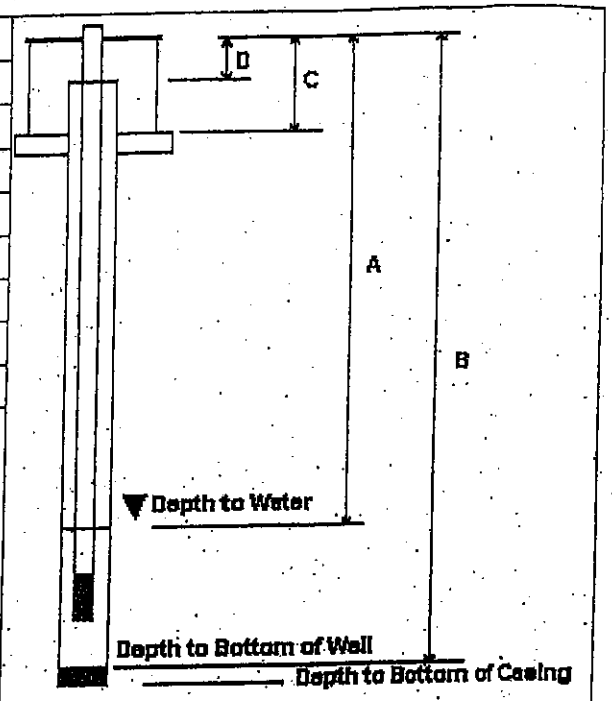
DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 137069.3
EASTING 570088.7
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

N/A



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

WIS Interface - Survey Information - Horizontal

VELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER	CC
\7130	299-E35-51	UNKNOWN	NAD83(91)	01/01/1801	CONVERTED	137069.3	575088.7	m	P	CT

SURVEY DATA REPORT

Request No. 064-441				
Project No.	Title: Well Decommissioning A7130			File No. 2ET13R26
No. 0801.1193120 .10	Prepared By N.P. Fastabend	Date 9/12/06	Reviewer Tim Johnson	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate / Stake Well A7130 (299-E35-51) at coordinates given. Report if any above ground evidence of Well exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: NAD83/91 (meters)	E.C. Rafuse	1		
	J.D. Davis	1		
	R.L. Biggerstaff	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A7130	N 137069.3, E 575088.7	No evidence of Well found on surface. Set hub & lath. Location falls inside SE Corner of 218-E-12B Burial Ground.

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

E-NW-246 (09/04)

This information is PROPRIETARY and is provided solely for use in conjunction with work managed and controlled by Fluor Federal Services.

SCAN DATA REPORT

Request No.: 064-485		
Project No.: NA	Title: WELL DECOMMISSIONING - WELL A7130 218-E-12B Burial Ground	File No.: 200E-001
No.: +00801.1193120* homex CA10	Prepared by: Rand Taylor	Date: 10/2/06
Reviewer: Tim Johnson	Page 1 of 1	

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A7130

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

DATE OF FIELD INVESTIGATION: 10/2/06

Weather: Temp 75°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

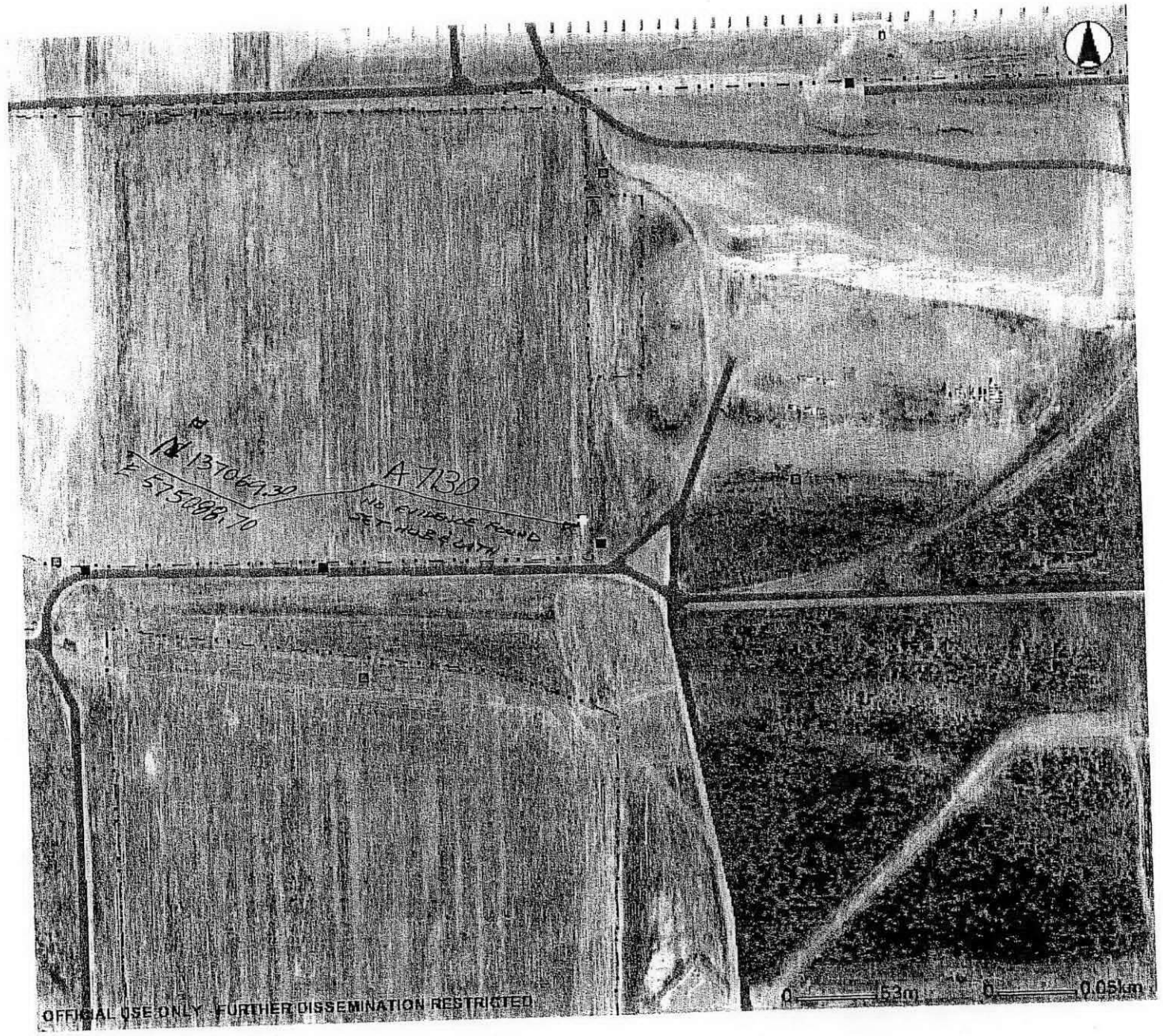
Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A7130

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 A7130 at the 218-E-12B Burial Ground.


A 130
0
53m
0
0.05km
OFFICIAL USE ONLY - FURTHER DISSEMINATION RESTRICTED

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A7130, Well Name: 299-E35-51					
A7130	-- No information available --				

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A7130, Well Name: 299-E35-51					
A7130		LTR	2000-07-13 00:00:00	VARIANCE ISRM PUMP USAGE	
A7130		DPF	2001-11-06 00:00:00	WAC 173-160 CLARIFICATION FOR PUMP INSTALLATION [REQUIRE A LICENSED DRILLER]	

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
A7130	299-E35-51	01/01/1801					

299-W15-52
A7353

WELL ATTRIBUTES REPORT

WELL ID	A7353	**NORTHING**	135932.835	**FIELD ORDER NO**	
WELL NAME	299-W15-52	**EASTING**	566532.046	**LAST INSPECTION**	1/26/2004
HOST WELL ID		**ELEVATION**	206.004	**CONST DATE**	
GW OPERABLE UNIT	200-ZP-1	**DRILL DATE**	4/30/1947	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	216-Z-5,200-W-200-PL,200-E-202-PL				
WM PLAN(S)					
WASTE STORAGE(S)					

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 ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A7353	**NORTHING**	135932.835	**FIELD ORDER NO**	
WELL NAME	299-W15-52	**EASTING**	566532.046	**LAST INSPECTION**	1/26/2004
HOST WELL ID		**ELEVATION**	206.004	**CONST DATE**	
SW OPERABLE UNIT	200-ZP-1	**DRILL DATE**	4/30/1947	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	216-Z-5,200-W-200-PL,200-E-202-PL				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

NON-ROUTINE
WELL MAINTENANCE ORDER

FIELD ORDER NO	WMO-NR-2004-1-019	SCHEDULED BEGIN/END DATE	11/20/200 - 12/8/2003
WELL ID	A7353	PURGE WATER CONTAINMENT	CONTAIN
WELL NAME	299-W15-52	REGULATED TRUCK REQUIRED	
CONTRACT NO	0000X-SC-G0096-FH	HPT/RPT COVERAGE	

HEALTH AND SAFTEY
FOLLOW APPROVED HEALTH AND SAFTEY PLAN PER CONTRACT.

GENERAL INSTRUCTIONS
WORK SEQUENCE TO BE DETERMINED BY THE PERFORMING ORGANIZATION.

SPECIAL INSTRUCTIONS
NONE

DECOMMISSIONING
Chg. activity to CACN 118356 COA FA20
cw 11/13/03 RCRA/ CERCLA

900.1	Tag depth to bottom of well and depth to water.
TASK WAS ☑ COMPLETED ☐ CANCELED	Comment 1300.1 (lbs) Iron and Pre key 1/26/04 DJZ
DATE WORK COMPLETED/CANCELED 1/26/04	Tried to locate the well with the GPS. The well is under the gravel shelder of the road to
INITIALS DJZ	VJZ3/Z

Subcontractor Authorized Signature — S.H. WORLEY (Print Name) — 1-27-04 (Date)

Field Services Authorized Signature — J Autrey for RL Jones (Print Name) — 1/28/04 (Date)

NON-WEBSTER WELL

SEE: SCAN DATA REPORT — NO ANOMALIES LOCATED

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/26/2004
WELL ID	A7353	DRILL DATE	4/30/1947	NORTHING	135932.835
WELL NAME	299-W15-52	CONST DATE		EASTING	566532.046
HOST WELL ID		CONST DEPTH		ELEVATION	206.004

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

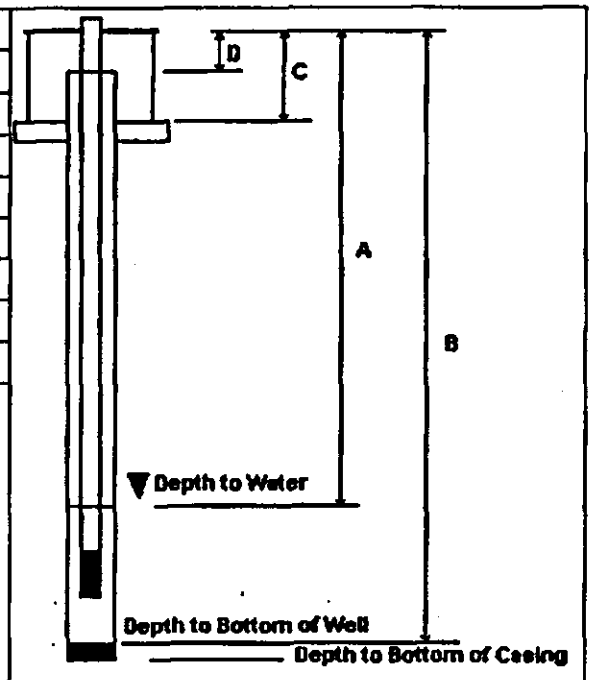
6/9/2004

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/26/2004
WELL ID	A7353	DRILL DATE	4/30/1947	NORTHING	135932.835
WELL NAME	299-W15-52	CONST DATE		EASTING	566532.046
HOST WELL ID		CONST DEPTH		ELEVATION	206.004

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

6/9/2004

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
299-W15-20	135964.50	41027.50	698.36	245.0	S	4.0	220.1	241.1	SCREEN
GW	566083.20	-78120.20	4.0	240.0					
H			11/89	227.9					
299-W15-21				243.8	S	4.0	232.5	238.3	FILLED WITH BENTONITE AND ABANDONED
AB			3/90						
299-W15-22	136111.19	41504.00	670.77	221.9	S	4.0	198.5	219.8	
GW	566683.32	-76150.00	4.0	221.6					
H			1/91	198.1					
299-W15-23	135858.39	40679.60	699.49	240.0	S	4.0	218.7	239.4	
GW	566083.98	-78118.70	4.0	239.4					
H			4/90	227.6					
299-W15-24	135606.00	39851.30	699.37	241.8	S	4.0	220.0	241.0	SCREEN 220-241
GW	566091.40	-78096.10	4.0	241.0					
H			1/90	221.3					
299-W15-51		40804.00	671.37	151.0	P	6.0	118.0	150.0	
VW		-76535.00	6.0	152.0					
			9/44						231-W-150
299-W15-52		40920.00	672.37	194.0					
VW		-76648.00	8.0	194.0					
			4/47						231-1
299-W15-53									
VW									231-3
299-W15-54									
VW									231-4
299-W15-55									
VW									231-5
299-W15-56		40920.00	672.17	150.0					
VW		-76618.00	8.0	150.0					
			4/47						231-6
299-W15-57		40936.00	672.53	155.0					
VW		-76591.00	8.0	155.0					
			5/47						231-7

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

A 7353

RTB 2/16/05

pulled 10 3/4"

20'

8 5/8" CS

194'

299-W15-52

CT 4/1947

there's scan data

- No anomalies -

A7353

299- W15-52

Fluor Federal Services	SCAN DATA REPORT	Request No: 044-302
Project:	Title: 200-WEST-ABANDON WELLS -GROUND SCAN	File No: 600A-002

Charge Code:	Prepared By:	Date	Reviewer	
65400871.1193120* HOMEX-HAC0	Rand Taylor	7/15/04		1 of

DESCRIPTION OF WORK	DISTRIBUTION	SDR	SKETCH	.DWG
Performed a 10'x 10' scan around six staked abandon well locations in the 200-West Area.	Survey File	OR	OR	
	Field Project File			
Note, One location north of S-Plant was not accessible and has not been scanned.	Ed. Rafuse	1		

Date of Field Investigation: 7/15/04

Weather: Temp 90 Wind 5 mph

[ ]Cloud [Clear [ ]P.Cloudy [ ]Fog

Soil Conditions: [ ]Rocky [ ]Sandy [ ]Wet [ ] Dry

Depth of Investigation: 6 ft

'quipment Used:

__ 50/60 HZ detector (for energized lines)
___ Radio Frequency Electromagnetics (RF)
_x_ Ground Penetrating Radar (GPR)
___ Other (identify)

GPR Antenna(s) Used: [ ] 1000 MHZ [x]400 MHZ [ ]300 MHZ [ ] 500 MHZ

Documentation Provided: Composite Drawing of Well Locations

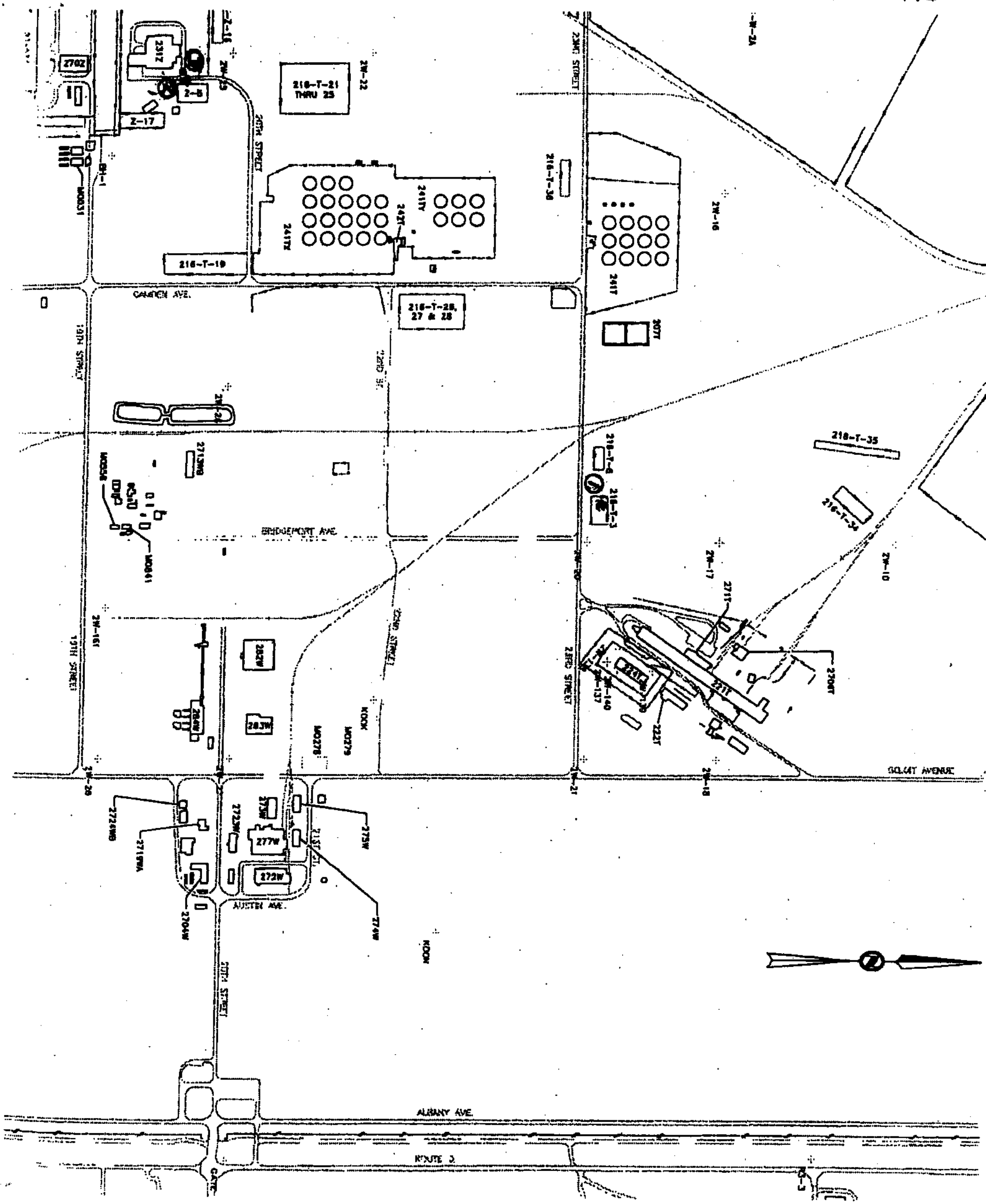
Limits of Investigation: Performed a10'x 10' ground scan at six staked abandon well sites in the 200-West Area.

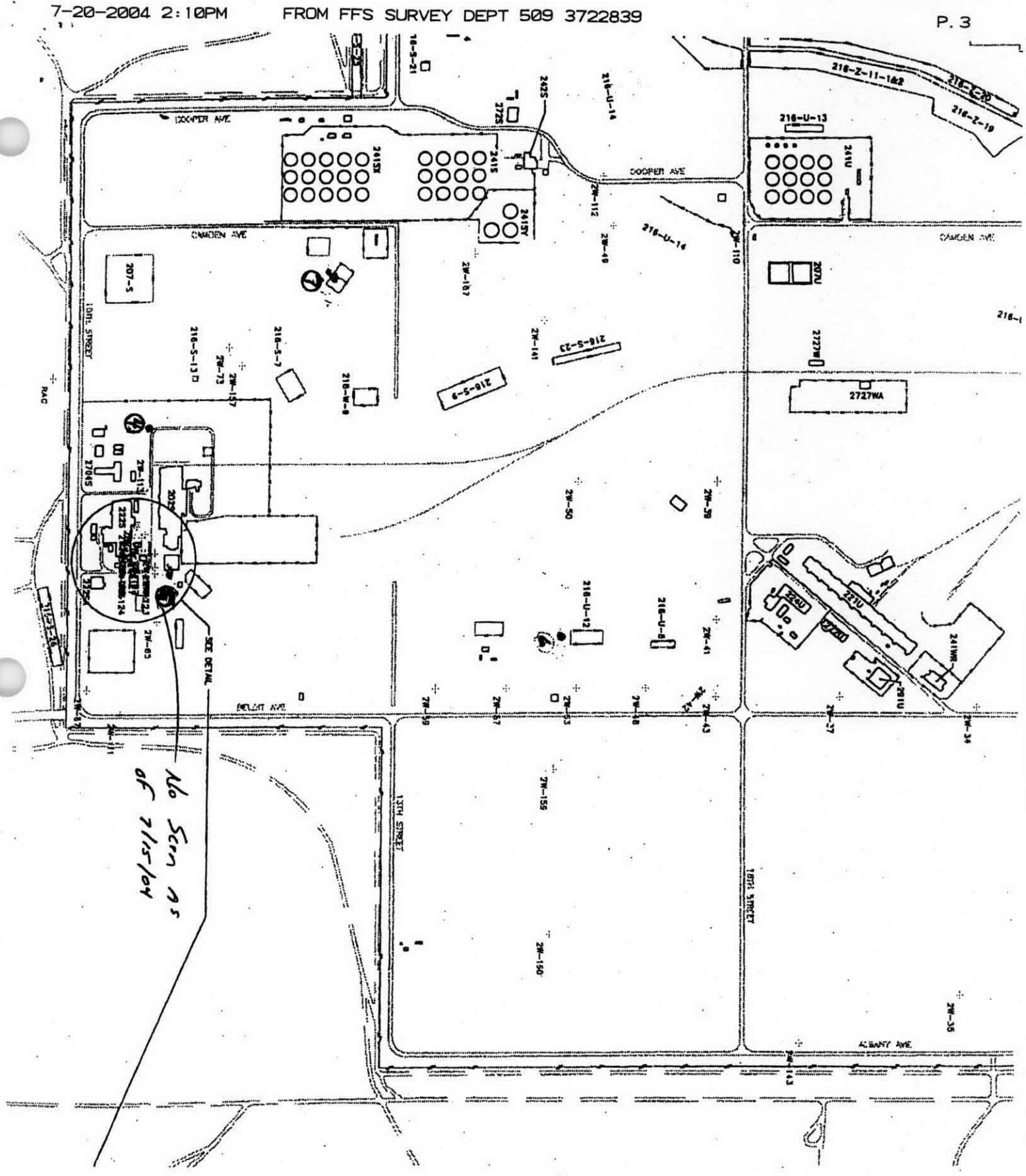
EQUIPMENT LIMITATIONS:

1) Objects that cannot be detected are: concrete, clay pipe, PVC pipe and fiberglass pipe. Objects made of these materials are generally not detectable. 2) The Transducers have a scanning limit to existing structures: The 1000 Mhz is 6" within an existing structure. The 500 Mhz is 1' within an existing structure. The 300 Mhz is 3' within an existing structure.

Discussion of Findings: Note, No underground anomalies were detected at any of the six staked well sites.

.eference: FSS Practice 134.500.0301


2702
2312
Z-17
Z-8
216-T-21 THRU 25
2W-22
20TH STREET
MO031
216-T-19
241TY
241TX
242T
23RD STREET
216-T-36
2W-16
241T
207T
CAMDEN AVE.
216-T-26, 27 & 28
19TH STREET
22ND ST.
2713WB
216-T-35
216-T-6
216-T-3
BRIDGEPORT AVE.
MO641
2W-17
2W-10
2W-161
271T
282W
22ND STREET
23RD STREET
270WT
284W
283W
MO278
MO279
2W-140
2W-137
222T
221T
GOLIAT AVENUE
2W-28
2W-21
2W-18
2724WB
2719WA
2723W
273W
277W
272W
275W
2704W
AUSTIN AVE.
274W
20TH STREET
ALBANY AVE.
ROUTE 3
GATE


COOPER AVE
CAMDEN AVE
10TH STREET
HELIOT AVE
12TH STREET
16TH STREET
ALBANY AVE
SEE DETAIL
216-Z-11-1&2
216-Z-20
216-Z-19
216-U-13
216-U-14
216-U-16
216-S-23
216-S-9
2727WA
2727W
207U
207-S
2704S
2225
2226
2-W-110
2-W-112
2-W-49
2-W-187
2-W-141
2-W-50
2-W-39
2-W-41
2-W-156
2-W-160
2-W-35
2-W-103
No scan as of 7/15/04

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A7353	299-W15-52	UNKNOWN	NAD83	01/01/1801	CONVERTED	135932.835	566532.046	m	

SURVEY DATA REPORT

Request No. 063-334				
Project No. A	Title: Well Decommissioning A7353 at 200W Area			File No. 2WT12R25
No. 054008011.1193120 CA10	Prepared By S. Wray	Date 7/05/06	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A7353 (299-W15-52) at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	J.D. Davis	1		
	R.L. Biggerstaff	1		
	G.G. Kelty	1		
	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A7353	N 135932.84, E 566532.05	Found Existing Hub previously staked at given coordinates, Northeast of 231-Z Building, 200W Area. Set new lath. No above ground evidence of well found.

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

E-NW-246 (09/04)

This information is PROPRIETARY and is provided solely for use in conjunction with work managed and controlled by Fluor Federal Services.

SCAN DATA REPORT

Request No.: 063-405		
Project No.: NA	Title: WELL DECOMMISSIONING / A7353, A7359 200 W	File No. : S2WZP013

No.:	Prepared by:	Date:	Reviewer:	Page
5400801.1193120/CA10	S. Wray	7/18/06	Je Wolff / John Wolff 7-18-06	1 of 2

DESCRIPTION OF WORK:

Perform ground scan around above staked well locations

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1		
J. Davis	1		
D. Biggerstaff	1		
G. Kelty	1		
E. Rafuse	1		

DATE OF FIELD INVESTIGATION: 7/18/06

Weather: Temp 90°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 6 feet

Equipment Used:	Required Functional Checks Current/Completed
x 50/60 Hz detector (for energized lines)	☒
x Radio Frequency Electromagnetics (RF)	☒
x Ground Penetrating Radar (GPR)	☒
x Other (identify) magnetometer	☒

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

Documentation Provided: None

Limits of Investigation: 20 ft square area around staked well location

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: All detected UG lines were marked with blue paint.

SCAN DATA REPORT

Request No.: 063-383

Project No.:

Title: 300 AREA- DPT HOLES GROUND SCANS 15 STAKED LOCATIONS

File No. : S3A-0011

Job No.:	Prepared by:	Date:	Reviewer:	Page
65400801.1222460* homex-CA10	Rand Taylor	7/10/06	JC Wolff 7.12.06	1 of 2

DESCRIPTION OF WORK:

Performed a 10' radius scan at fifteen DPT staked locations at the 300 Area.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
C.R.Webb	1	1	
C.Wright	1	1	
B.Howard	1	1	
G.Kelty	1	1	
D.Biggerstaff	1	1	
J.Davis	1	1	

DATE OF FIELD INVESTIGATION: 7/10/06

Weather: Temp 80°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 8 feet

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

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

Documentation Provided: H-3-34224 & M-3904.

Limits of Investigation: Performed a 10' radius scan at fifteen staked DPT locations at the 300 Area

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, Locations 1# & 14# did have underground obstructions in the scan area. (Shown on Sketch)

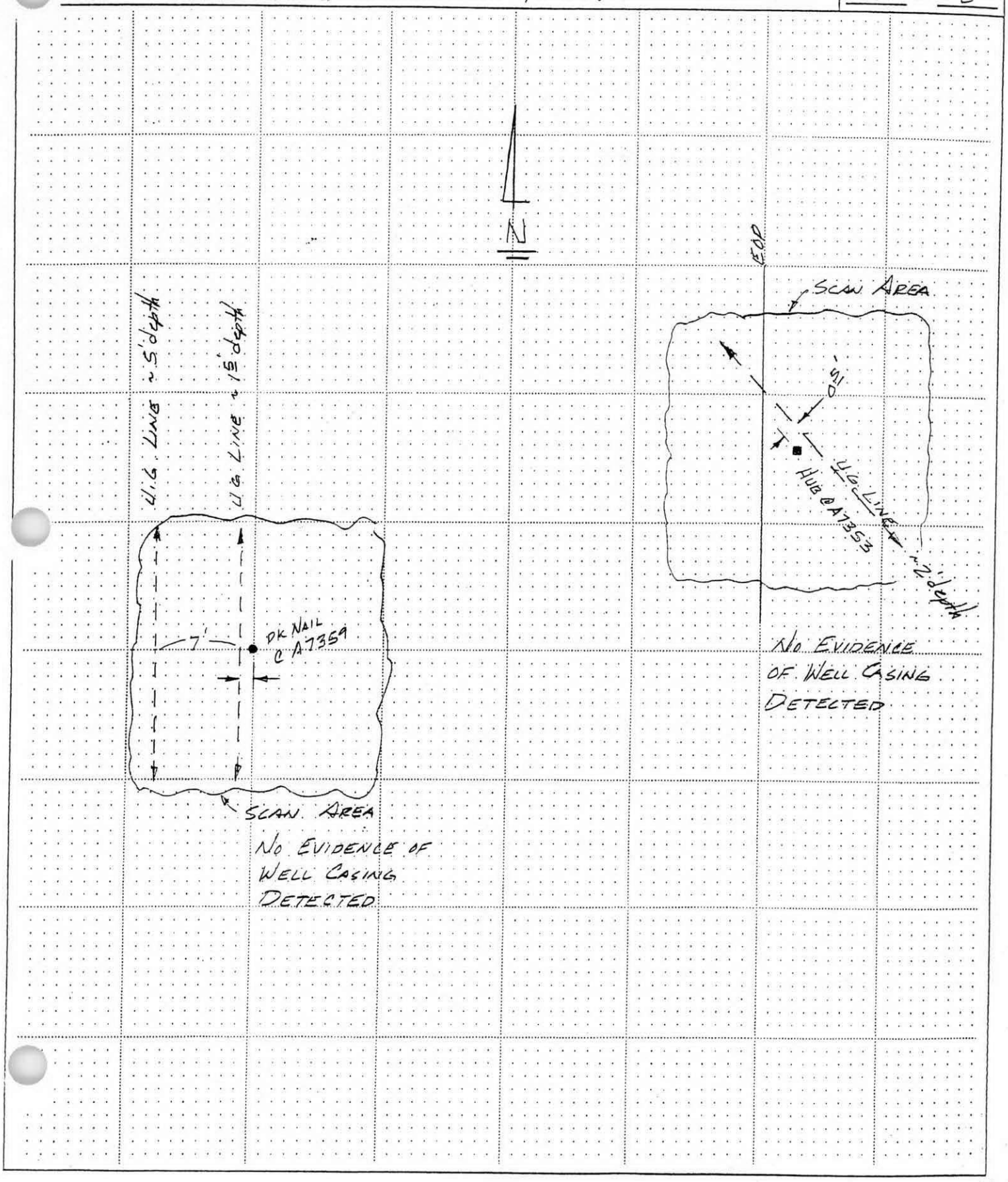
Note, 2#, 3#, 4#, 5# 6#, 7#. 8#, 9#, 10#, 11#, 12#, 13# & 15# were all clear of underground obstructions.

FLUOR FEDERAL SERVICES

FIELD SKETCH

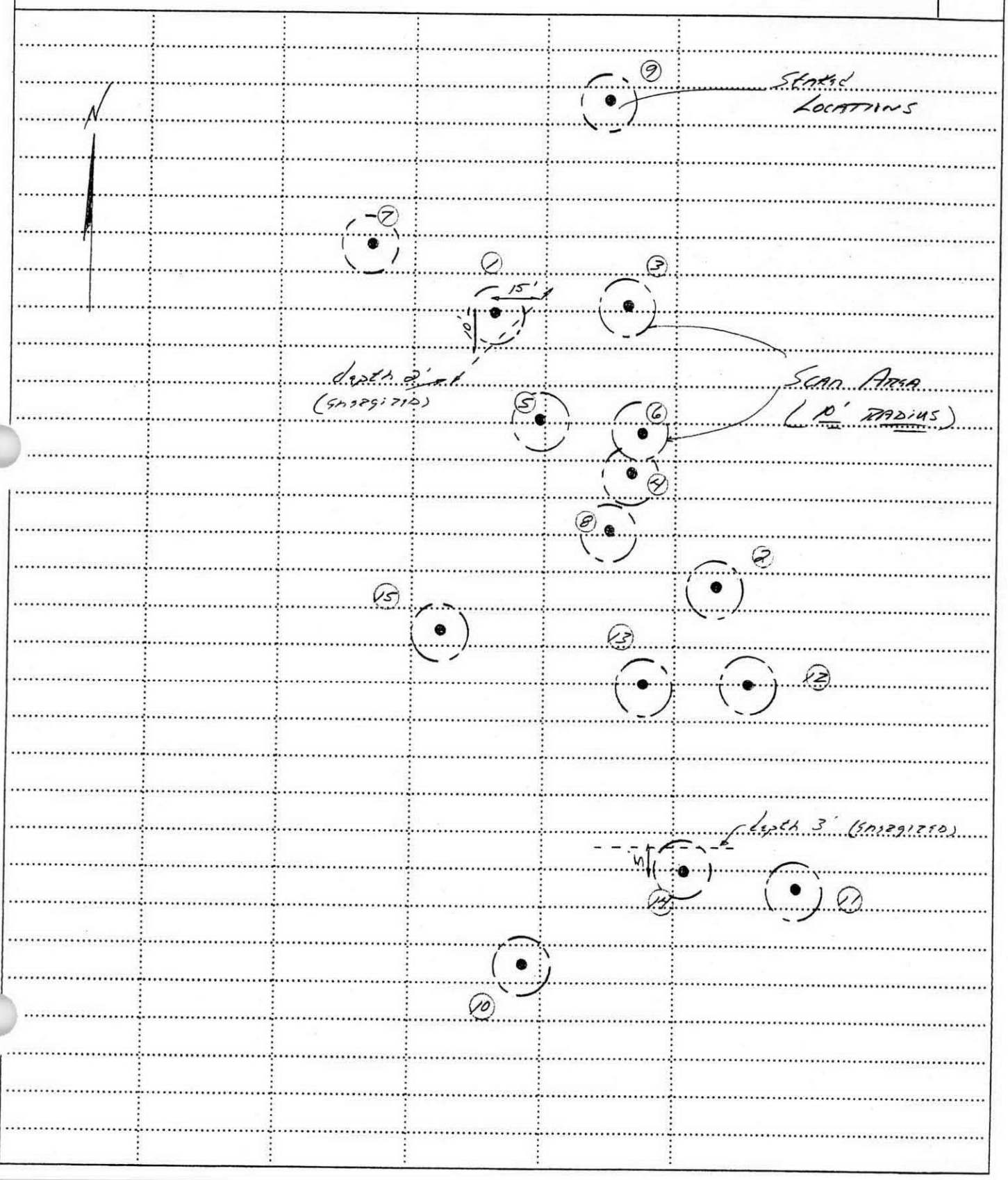
Attachment to or Description:
WELL DECOMMISSIONING GPR @ A7353, A7359

Sheet 2 of 2

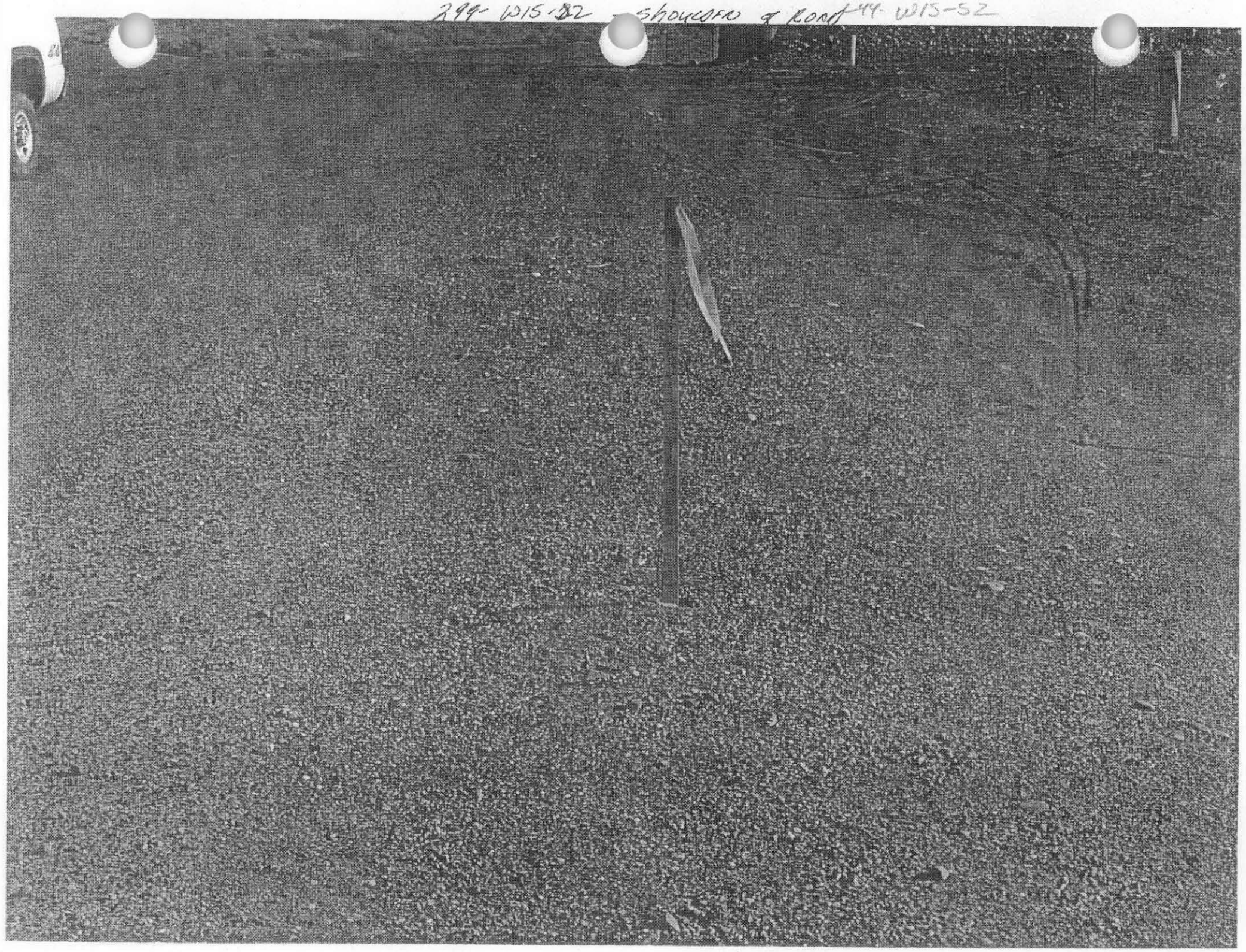


KEH 0159.02 (03/94)

	FIELD SURVEY NOTES	Date 7-10-06	
		File No. S3A-001	
Title 300 AREA - DPT Holes - Ground Scans		Req. No. 063-383	
Crew Taylor / Wolff		Weather Sun	
Inst. Smart Cart solo rf		Temp. 85°	Bar. PPM



299- W15-D2 - SHOULDER @ ROAD 44- W15-S2



Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A7353	299-W15-52	04/30/1947		194	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A7353	299-W15-52	UNKNOWN	NAD83	01/01/1801	CONVERTED	135932.835	566532.046	m

299-W15-52

DRILLING LOG

Project No. C-133

Rig No. H.O. 22-3126
Hole No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 25 Mar. 47
Shift 2
Depth beginning of shift 0
Depth Completion of shift 5 Ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	Top Soil Time	OTHER DELAYS Explanation
2:10 - 3:05	0 - 5			Top Soil	8:00 to 2:10	Preparing to drill
						Drilling
					3:05 - 4:00	H.I. Sampling and shutting down.

REMARKS

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 26 Mar. 47
Shift 2
Depth beginning of Shift 5
Depth Completion of Shift 15 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00 - 9:15	Preparing work Permits & Preparing to drill.
9:15 - 10:15	5 - 10 Ft			Sand & Gravel		Drilling
					10:15-10:50	Bailing Hole & H.I. Sampling.
10:50-11:50	10-12 Ft.					Drilling
					11:50-1:15	Lunch and Safety Meeting.
1:15-2:45	12-15 Ft.					Drilling
					2:45-4:00	H.I. Sampling & Preparing to case & Shutting down.

R E M A R K S

Hole sluffing in slightly at 12 Ft. Depth.

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 27 Mar. 47
Shift 2
Depth beginning of Shift 15 Ft.
Depth Completion of Shift 19 Ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					8:00-8:35	Signing Work Permits and donning S.W.P. Clothes
					8:35-9:40	Changing bit and preparing to case.
					9:40-10:35	Casing & bailing, Repairing Platform.
					10:35-10:55	Taking off drill stem guide.
10:55-11:30	15' to 20'			Sand & gravel		Drilling
					11:30-1:15	Eating lunch, H.I. Test and pailing.
1:15-2:10	20'-21'			" "		Hole sluffing.
					2:10-2:45	Driving casing, changing bits.
2:45-3:30	21-19'*			" "		Drilling
					3:30-4:00	Shutting down.

R E M A R K S

Well caving badly at 21'. 20' of casing driven to 17½ feet. About $' of open hole suddenly caved. Bottom of hole estimated actually 17' at 3:00 P.M.

* Lost 4' of hole. Recovered 2' of hole before shutting down.

D R I L L I N G L O G

Project No. C-133

Rig No. B.O. 22-3126
Roll No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 28 Mar. 47
Shift 2
Depth beginning of Shift 19 Ft.
Depth Completion of Shift 27 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00-8:30	Preparing to drill
8:30-9:40	19 Ft.			Sand & Gravel		Drilling
					8:40-8:50	Bailing
					8:50-9:20	Adjusting motor.
9:20-9:45	19-19½			" "		Drilling
					9:45-9:55	Bailing
9:55-10:05	19½-20 Ft.			" "		Drilling
					10:05-10:10	Driving Casing
10:10-11:35	20-22 Ft.			" "		Drilling
					11:35-11:40	Driving Casing
11:40-11:55	22-23 Ft.			" "		Drilling
					11:55-12:00	Bailing

R E M A R K S

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 28 Mar. 47
Shift 2
Depth beginning of Shift 19 Ft.
Depth Completion of Shift 27 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
12:00-1:00	23-24½			Sand & Gravel		Drilling
					1:00-1:15	Delay--H.I.
1:15-1:30	24½-25			" "		Drilling
					1:30-2:15	Bailing & waiting for H.I.
2:15-3:30	25-27			" "		Drilling
					3:30-3:40	Shutting down & checking out of area.

R E M A R K S

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 31 Mar. 47
Shift 2
Depth beginning of Shift 27 Ft.
Depth Completion of Shift 33 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00-8:40	Greasing, preparing to drill
8:40-8:50	27-28 Ft.			Sand & Gravel		Drilling
					8:50-10:00	Preparing to case & casing.
					10:00-11:15	Pulling 10" casing, Prepairing to drill.
11:15-12:00	28-30Ft.			Sand & Gravel		Drilling
					12:00-12:45	Lunch & Sampling.
12:45-1:00	———					Reaming settled hole.
					1:00-1:25	Bailing
					1:25-1:35	Driving 8" pipe, Drove 2'
1:35-3:35	30-33Ft			Sand & Gravel		Drilling, stopped 5 min. drove 8".
					3:35-4:00	Shutting down, changing clothes

R E M A R K S

Ran 37'-0" of 8" casing with 8" shoe on bottom. 8" shoe included in 37' measurement. This pipe is 8'-3/4 OD, 8'-0" ID, 40#/ft steel welded casing.

"Pulled out 20'-0" of 10" casing. Well now contains only 8" casing. Water leaving hole."

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Row
Foreman Greenfield.

Date 31 Mar. 47
Shift 3
Depth beginning of Shift 33 Ft.
Depth Completion of Shift 35 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					4:00-4:30	Dressing, Instruction from Foreman.
					4:30-4:50	Stirring up.
					4:50-4:55	Bailing, Dry hole 31'
					4:55-5:00	Drove casing 6"
5:00-6:55	31-33'			Sand & Gravel.		Drilling & driving casing.
					6:55-7:05	Changing bit.
7:05-7:15						Drilling no footage
					7:15-7:50	Bit stuck in casing -- (Rock)
7:50-10:20	33-35 Ft.			Sand & Gravel		Drilling and driving casing.
					10:00-11:00	Testing sample-greased machine & filled.gas tank
11:00-11:15				Sand & Gravel		Drilling no footage.
					11:15-12:00	Welding on new length of casing 10'
						Cut off 4" of original joint.

R E M A R K S

8:30 lost about 1' of hole while driving casing.
Cut off 4" of original joint.

DRILLING LOG

Project No. C-133

Rig No. H.Q. 22-3126-B
Well No. 23141
Driller Crawford
Foreman U.S. Simdorson

Date 1 April 47
Shift #1
Depth beginning of Shift 35 ft.
Depth Completion of Shift 45 ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					12-12:30	Dressing & working instructions.
					12:30-2:35	Waiting on welders also S.W.P. for welders.
					2:35-2:45	Welded casing 10'-0" joint.
					2:45-3:30	Driving casing 1' 6"
3:30-4:05	35-40 Ft.			Sand & Gravel		Drilling
					4:05-4:15	Sample taken
					4:15-4:45	Lunch + HI Sampling
					4:45-5:15	Bailing hole
					5:15-5:40	Driving casing 4'-0"
5:40-6:20	40-45 Ft.			Sand & Gravel		Drilling
					6:20-6:55	Driving casing 4'-6"
					6:55-7:42	Servicing machine & change clothes.

REMARKS

Down 45 ft. still goring. Welded on 10'-0" of 8" casing. Now 46' - 8" of 8" casing going in hole, after cutting off 4" of the original joint in welding.

11I

DRILLING LOG

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 1 April 47
Shift 2
Depth beginning of Shift 45 Ft.
Depth Completion of Shift 60 Ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					8:00-8:15	Waiting for S.W.P.
					8:15-10:30	Welding 10' joint Preparing to drill
10:30-11:15	45-50			Sand & gravel		Drillin
					11:15-11:25	Drove 4'-3"
					11:25-12:00	H.I. Sampling & Lunch
12:00-12:50	50-55			Small boulders		Drilling
					12:50-1:05	Driving casing.
					1:05-1:25	H.I. Sampling
					1:25-1:40	Bailing
1:40-1:45	55-60			Fine water sand.		Drilling
					1:45-1:50	Driving casing, got bit sample.
					1:50-3:35	H.I. Surveying for contamination.
					3:35-400	Bailing, Shutting down.

REMARKS

At 45 Depth, welded on 10'-0" piece of 8" pipe. Completed welding at 10:15 A.M. Now 56'-8" of 8" casing. At 1:50 high count reported from 222 U Lab. Work stopped, bit & platform found to be contaminated. H.I. ordered transp. to vacuate zone until further notice.

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller R.W.
Foreman Greenfield

Date 2 April 47
Shift 3
Depth beginning of Shift 60 Ft.
Depth Completion of Shift 80 Ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					4:00-6:05	Welding 10' of 8" casing. Greasing Rig.
6:05-6:35	60-65			Sand & Gravel		Drilling
					6:35-6:50	H.I. Testing Driving pipe.
					6:50-7:30	H.I. Testing sample
					7:30-7:40	Bailing
7:40-8:10	65-70			Sand & Gravel		Drilling
					8:10-9:15	H.I. Testing Welding casing.
9:15-9:55	70-75			Sand & Gravel.		Drilling
					9:55-10:05	H.I. Sampling
10:06-10:55	75-80			Sand & Gravel		Drilling
					10:55-11:05	H.I. Testing driving pipe
					11:05-11:30	Welding 8" pipe
					11:30-12:00	Bailing and shutting down.

R E M A R K S

At end of shift there was 76'-8" of 8" casing.

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Hole No. 231-1
Driller Crawford
Foreman Sinderson

Date 2 April 47
Shift 1 [illegible]
Depth beginning of Shift 80 ft.
Depth Completion of Shift 87

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					12:00-12:10	Change clothes, instruction, serviced rig.
12:10-100	80-83 ft.			Sand & Gravel		Drilling
					1:00-1:25	Drove casing 3 '.
					1:25-1:55	H.I. Testing.
					1:55-2:10	Bailing
					2:10-2:30	H.I. Sampling
2:30-2:50	83-86			Sand & Gravel		Drilling
					2:50-3:00	H.I. Sampling
					3:00-3:10	Drove casing 3'
					3:10-3:15	H.I. Sampling
3:15-3:40	86					Drilling (No footage)

R E M A R K S

Sample taken at 85' and lost 2' of hole.

D R I L L I N G L O G

Project No. C-133

Rig No. 22-H.O. 3126
Holl No. 231-1
Driller Crawford
Foreman Sinderson

Date 2 April 47
Shift 1
Depth beginning of Shift 80
Depth Completion of Shift 87

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					3:40-3:55	Drove casing 4'.
					3:55-4:30	Lunch
					4:30-4:50	H.I. Sampling
					4:50-5:05	Bailing.
					5:05-5:35	Welding 10'-8" casing, greased rig.
5:35-6:10	86-87.2			Black sand		Drilling
					6:10-6:25	Drove casing 1'.2"
6:25-6:50	87".2"			Black sand		Drilling (No footage)
					6:50-7:00	H.I. Sampling
7:00-7:05				Black sand		Drilling
					7:05-7:15	Bailing
					7:15-7:25	Drove casing
					7:25-8:00	Shutting down.

R E M A R K S

At 5:05 greased rig did not enclude top ~~chives~~ sheave. At end of shift amount of casing is 96'-8".

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Roll No. 231-1
Driller Boner
Foreman Gillum

Date 2 April 47
Shift 2
Depth beginning of Shift 87 Ft.
Depth Completion of Shift 100 Ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					8:00-8:15	Signing S.W.P's & changing clothes.
					8:15-8:45	Tallying in hole, preparing to drill.
8:45-9:45	87-90ft.			Fine black sand		Drilling
					9:45-10:05	Bailing
					10:05-10-25	H.I. Sampling
10:25-12:30	90-95 ft			sand, hard pack		Drilling
					12:30-12:40	H.I. obtaining bit sample.
					12:40-1:00	Bailing
					1:00-1:20	Safety meeting.
					1:20-1:40	Continued bailing drove casing.
1:40-3:20	95-100 Ft.			ssand hard.		Drilling & driving casing to 100 Ft.
					3:20-4:00	Lights off in 231 Bldg. cannot analyze samples
						Shut down drilling

R E M A R K S

At beginning of shift 96'-8" of 8" casing.

At end of shift: Amount of casing 96'8"

Amount of casing in hole 96'1"

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Hole No. 231-1
Driller Row
Foreman Greenfield.

Date 2 April 47
Shift 2 - 3
Depth beginning of Shift 100 Ft.
Depth Completion of Shift 106 Ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					4:00-4:20	Waiting on welder & safety meeting
					4:20-5:35	Machine ready to drill. Welding 10'-8" casings
						greasedmachine; ready to drill 5:35.
5:35-5:45	100'					Drilling
					5:45-6:00	H.I. Testing, Driving pipe
6:00-9:05	100-105			Gravel		Drilling
					9:05-9:20	Driving pipe
					9:20-9:30	Bailing to get sample
					9:30-10:00	H.I. Test
10:00-11:40	105-106			Gravel		Drilling, porous formation will not hold water.
					11:40-12	Shutting down

R E M A R K S

H.S

DRILLING LOG

Project No. C-133

Rig No. H.O. 22-3126
Holl No. 231-E
Driller Crawford
Foreman Sinderson

Date 3 April 47
Shift #1
Depth beginning of Shift 106 Ft.
Depth Completion of Shift 113 Ft.

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					12:00-12:35	Change clothes and checked rig.
12:35-1:20	106			Gravel		Drilling no footage
					1:20-1:30	Driving casing
1:30-2:05	106-110			Gravel		Drilling
					2:05-2:35	H.I. Sampling and changed bit.
					2:35-2:45	Bailing
					2:45-3:15	Welded 10'-8" casing
3:15-3:50	110-115			Gravel		Drilling
					3:50-4:00	Driving 2' of casing.
					4:00-4:30	H.I. Sample from bailer O.K.
4:40-5:15	115-117			Gravel		Drilling
					5:15-5:35	Driving casing.

REMARKS

At 110 ft. drilled 5 ft. Test 115 ft. only drove casing, stoped driving at 112 ft. Casing drove 112' 5" hole 119'

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Roll No. 231-1
Driller Crawford
Foreman E.E. Gillum

Date 3 April 47
Shift 7-1
Depth beginning of Shift 106
Depth Completion of Shift ~~113 ft. * Check Remarks.~~

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
5:35-6:15	117-119			Gravel		Drilling
					6:15-6:30	Driving casing
					6:30-7:10	Safety meeting & rained
					7:10-8:00	Service rig & changed clothes.

R E M A R K S

Casing drove 112' 5". Hole 119! * Ceased drilling at 6;15 depth 119'. Total casing driven in well at this time 112'5".
Checked hole at end of shift and found 6' cave in leaving total dept end of shift 113'.

H.W.

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Roll No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 3 April 47
Shift # 2
Depth beginning of Shift 113'
Depth Completion of Shift 125

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
					8:00 - 8:15	Arranging S.W.P's & time sheets
					8:15-9:15	Waiting on raincoats & other equipment
					9:15-9:20	Tallying hole
9:20 - 10:30	113			Sand & gravel		Drilling—very little footage, cavings are packed.
					10:30:10:45	H.I. Surveying, preparing to drive casing.
					10:45-11:00	Driving casing, easier then drilling.
					11:00-11:30	4' of casing driven, preparing to weld.
					11:30-12:00	Welding casing lunch. Now 126'-8" casing.
12:00-1:25	113-115			Clay		Drilled (reamed) to 115 ft. Took bit sample
					1:25-1:35	Driving casing, H.I. surveying with pommy.
1:35-1:42	115-120			Clay		Drilled 5' through caving, hit soft spot.
					1:42-1:55	H.I. Sampling, driving pipe

R E M A R K S

Tallied at 113 at beginning of shift. Caved in from 119'

At end of shift depth 125' 0", total casing 136'-8", casing in hole 126'-3".

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Hole No. 231-1
Driller Boner
Foreman E.E. Gillum

Date 3 April 47
Shift # 2
Depth beginning of Shift 113'
Depth Completion of Shift 125'

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL	OTHER DELAYS Time	OTHER DELAYS Explanation
1:55-2:20	120-125			Clay		Drilling
					2:20-2:40	H.I. sampling, driving pipe.
					2:40-2:50	Bailing
					2:50-3:00	Cleaning rig, Bailer box stopped up.
					3:00-3:10	Waiting on welder
					3:10-3:30	Weld now 136'-8" of 8" casing.
					3:30-4:00	Shutting down, cleaning out bailer line.

R E M A R K S

H. S.

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Row
Foreman Greenfield

Date 3 April 47
Shift D 3
Depth beginning of Shift 125 Ft.
Depth Completion of Shift 145 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					4:15-4:45	Cleaning waste line & greasing rig, preparing to drill
4:45-5:30	125-130			Water & sand		Drilling
					5:30-6:15	H.I. Testing, driving pipe
6:15-7:00	130-135			Water & Sand		Drilling
					7:00-7:10	Changing bits, H.I. Testing.
					7:10-7:45	Welding 10' 8" pipe
					7:45-8:15	Shutting down & lunch.
8:15-8:50	135-140			Gravel		Drilling
					8:50-9:05	H.I. Testing
					9:05-9:35	Bailing hole
					9:35-9:55	Driving pipe
9:55-10:50	140-145			Gravel		Drilling

R E M A R K S

DRILLING LOG

Project No. C-133

Rig No. H.O. 22-3126
Hole No. 231-1
Driller Row
Foreman Greenfield

Date 3 April 47
Shift #3
Depth beginning of Shift 125 ft.
Depth Completion of Shift 145 ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					10:50-11:10	H.I. Testing
					11:10-11:20	Driving pipe
					11:20-11:40	Bailing drillings from hole.

REMARKS

146' of 8" pipe in hole. 8" pipe out of hole.
60 Ft. water in hole from sand at 130-135 feet. Ready to weld on another piece of pipe.

D R I L L I N G L O G

Project No. C-133

Rig No. H.O. 22-3126
Hole No. 231-1
Driller Crawford
Foreman Sinderson

Date 4 April 47
Shift #1
Depth beginning of Shift 145'
Depth Completion of Shift 151'.8"

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					11:43-12:55	Welding 10'8" casing. Greased rig changed clothes.
					12:55-1:00	Bailing.
1:00-1:50	145-146½			Sand		Drilling
					1:50-2:10	Driving casing.
2:10-3:10	146½-148'			Rock	2:10-3:10	Drilling
					310-3:40	H.I. Sample
					3:40-3:45	Driving casing.
3:45-5:00	148-151'8"			Rock		Drilling
					5:00-5:25	Driving casing
					5:25-5:40	Bailing
5:40-7:00	151'8"			Rock		Drilling (no footage)
					7:00-7:40	Installed new bit & serviced rig.

R E M A R K S

At. 146½ ft slow drilling

At 148 Rock formation very slow drilling.

At 151'8" Solid rock very slow 1" progress in one hour at 7:00.

at end of shift. Installed new bit serviced rig gas & oil.

HW-6.287

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. P2-3126
Well No. 231-1
Driller Boner
Foreman Gillum

Date 4 April 47
Shift # 2
Depth beginning of Shift 151'8"
Depth completion of Shift 157'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00-8:20	Arranging S.W.P's, work schedules.
					8:20-8:50	Tallying string, preparing to drill.
8:50-9:55	152'-153			Gravel & Clay		Drilling very hard.
					9:55-10:10	Driving casing.
					10:10-10:30	Inspecting new bits, H.I. surveying old bit.
					10:30-10:45	Changing bits
10:45-11:25	153-155			Gravel & clay		Drilling
					11:25-11:35	Driving casing, lost 1' hole, caving.
11:35-12:00	154-155					Reaming
					12:00-12:30	H.I. sampling & bailing, water leaving hole
12:30-12:50	155-156					Drilling
					12:50-12:55	Driving pipe.

REMARKS

Tallied string beginning of shift. Found depth to top of fill 152'-0", total casing 156'-8" and casing in hole 152'9".

HW-6.287

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Boner
Foreman Gillum

Date 4 April 47
Shift # 2
Depth beginning of Shift 151'8"
Depth completion of Shift 157'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
12:55-2:10	156-156			Gravel & Clay		Drilling (no Footage)
					2:10-2:55	Welding casing, now 166'-8" Total of 8"
2:55-3:25	156-157			Gravel & Clay		Drilling, hard going
					3:25-3:30	Driving casing
					3:30-4:00	Shutting down

REMARKS

End of shift: depth 157', total casing 166'-8", casing in hole 156'-8".

HW-6.287

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Rey
Foreman Greenfield

Date 4 April 47
Shift #3
Depth beginning of Shift 156'-8"
Depth completion of Shift 162

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					4:00-4:15	Changing clothes and arranging schedule.
					4:15-4:20	Driving casing
4:20-10:45	156'8-161'8			Black, hard		Drilling
					10:45-11:15	H.I. Testing
11:15-11:35	161'8-162			Lime Sand		Drilling
					11:35-12:00	Service machine, changing clothes

REMARKS

166'-8" fett of pipe in hole with 4'-8" above the hole.

HW-6.287

DRILL G LOG

PROJECT NO. G-133

Rig No. HO. 22-3126
Well No. 231-1
Driller Crayford ~~Sinderson~~
Foreman

Date 5 April 47
Shift #1
Depth beginning of Shift 162'
Depth completion of Shift 168'3"

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					11:48-12:30	Greased rig changed clothes
12:30-1:15	162-164'4"			Lime & sand		Drilling
					1:15-1:30	Hl. Bailing and sample.
					1:30-2:05	Driving casing 1'8"
					2:05-2:20	Bailing
2:20-3:00	164'4"-166'8"					Drilling
					3:00-3:20	Driving casing 2'4"
					3:20-4:05	Welded 10'-8" pipe total 176'-8" casing
4:05-5:15	166'8"-167'8"			Sand & clay		Drilling
					5:15-5:35	Changed bit
5:35-6:15	167'8"-168'3"			Sand & Clay		Drilling
					6:15-7:25	Bailing
					7:25-7:48	Serviced machine, Changed clothes

REMARKS

Slow drilling all during shift
Total casing 176'8"-8" casing.
Casing on bottom.

HW-6.287

DRILLING LOG

PROJECT NO. Cm133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Roy
Foreman Sinderson

Date 7 April 47
Shift # 2
Depth beginning of Shift 168'3"
Depth completion of Shift 176'3"

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:10-9:10	Waiting for clearence & preparing to drill.
9:10-9:50	168'3"-170			Boulders		Drilling
					9:50-10:05	Driving pipe
					10:05-10:35	H.I. Sampling
10:35-11:30	170-175					Drilling
					11:30-11:40	H.I. Sampling
					11:40-12:15	Driving pipe 175'-8" casing in hole
					12:15-12:50	Lunch
					12:50-1:15	Repairing and servicing machine.
					1:15--2:00	Bailing, Drove pipe 1' total of 176'8" casing in hole.
2:00-3:00	175-176					Drilling
					3:00-3:20	Welding pipe 10'-8" casing.
3:20-3:50				Boulders		Drilling., no footage.

REMARKS

Casing 1 foot off bottom

HW-6.287

DRILLING LOG

PROJECT NO. C-133

Rig No. E.O. 22-3126
Well No. 231-1
Driller Boner
Foreman Greenfield

Date 7 April 47
Shift #3
Depth beginning of Shift 176' 3"
Depth completion of Shift 185

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					4:00-4:45	Instruction meeting servicing rig.
4:45-5:45	176-180					Drilling
					5:45-6:00	Drove casing to 178'. Caving
5:00-6:50						Reaming to 180'
					6:50-7:00	Driving casing.
7:00-7:10						Reaming to 180'
					7:10-7:20	DRiving casing to 179'-4"
7:20-7:35						Reamed to 180'.
					7:35-8:10	Checking bit, taking sample
8:10-9:30	180-185					Drilled to 185'
					9:30-9:40	Bailing sample, checking bit.
					9:40-10:10	Driving casing.

REMARKS

NW-6.287

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Boher
Foreman Greenfield.

Date 7 April 47
Shift # 3
Depth beginning of Shift 176'3"
Depth completion of Shift 185

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					10:10-10:25	Cleaning out bail box line.
					10:25-10:40	Driving casing 183'6"
					10:40-11:05	Chaning and checking bits.
						Resumed drilling(no footage)
11:05-11:20					11:20-11:30	Driving casing to 184'
					11:30-12:00	Dressing out.

REMARKS

Total casing end of shift 186'8" casing in hole 184', hole drilled to 185'.

NW-6.287

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Crawford
Foreman Sinderson

Date 8 April 47
Shift # 2
Depth beginning of Shift 185 Ft.
Depth completion of Shift 190 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00-8:15	Signing SWP's, preparing to drill.
					8:15-8:45	Driving pipe, tallying hole.
8:45-10:25	185-190			coarse gravel		Drilling
					10:25-10:50	H.I. Sampling
					10:50-11:10	Bailing
					11:10-11:40	Casing welded on 10'0"-8" casing
11:40-12:00	190-190					Drilling--few inches.
					12:00-2:50	Trying to free stuck bit.
					2:50-4:00	Preparing to fish drill stem.

REMARKS

Beginning of shift 8:45. Depth 184'0", casing total 186'8", casing in hole 184'0". Moved in Lorain crane to pull out stuck bit. Crane moved in 1:20. Pulled wire line out of rope socket after pulling with crane and rig motor. (2:50) Bit stuck when dropped in hole in starting to drill. Casing total 196'8", casing in hole 187'9".

HW-6.287

DRILLING LOG

PROJECT NO. G-133

Rig No. H.O. 23-3126
Well No. 231-1
Driller Hash
Foreman Greenfield

Date 8 April 47
Shift # 3
Depth beginning of Shift 190 Ft.
Depth completion of Shift 194 Ft.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
						Fishing fortools at 190 Ft.
					4:00-5:00	Hauling fishing tools-resetting socket
					5:00-7:00	Fishing, to tools to top of hole 7:00
					7:00-8:10	Laying down fishing tools.
					8:10-9:00	Lunch
					9:00-9:20	Bailing water
9:20-10:10	190-194			Sand & gravel		Drilling
					10:10-10:20	Putting on drive clamps & drive head.
					10:20-11:00	Welding 8" pipe 8'5".
					11:00-11:15	Driving pipe
					11:15-11:35	Drilling tools hung up.
					11:35-11:50	Ran Bumper.

REMARKS

Casing in hole 187'9" total 196'8" cut off 8'5" to expedite fishing. Welding the same piece back.
Casing in hole 189'6". Total pipe in hole 196'-8"

HW-6.287

DRILLING LOG

PROJECT NO. G-133

Rig No. H.O. 22-3126
Well No. 231-1
Driller Blund
Foreman Sinderson

Date 9 April 47
Shift 2
Depth beginning of Shift 194'
Depth completion of Shift 194'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:00-8:30	Signing in S.W.P's, dressing in.
					8:30-9:00	Waiting on welder to remove casing.
					9:00-10:00	Fishing complete at this time.

REMARKS

Well has been declared completd as of 10:00 A.M. April 9, 1947. ~~Elsewhere~~ casing and footage identical with last report, except 8" casing has been cut off 8" ~~casingxha~~ above platform. Ran rope knife and cut rope. Ran fishing socket on jars to fish drill stem. Got drill stem out of hole at 3:10 P.M. hole now has only 8" casing init. Will remove platform and cut off more 8" casing. Rig will be moved to 20' stake, this will be called well 231-4.

299-W15-58
A7359

WELL ATTRIBUTES REPORT

WELL ID	A7359	**NORTHING**	135932.812	**FIELD ORDER NO**	
WELL NAME	299-W15-58	**EASTING**	566522.905	**LAST INSPECTION**	1/26/2004
HOST WELL ID		**ELEVATION**	206.221	**CONST DATE**	
GW OPERABLE UNIT	200-ZP-1	**DRILL DATE**	5/31/1947	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	200-W-200-PL				
WM PLAN(S)					
WASTE STORAGE(S)					

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 ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A7359	**NORTHING**	135932.812	**FIELD ORDER NO**	
WELL NAME	299-W15-58	**EASTING**	566522.905	**LAST INSPECTION**	1/26/2004
HOST WELL ID		**ELEVATION**	206.221	**CONST DATE**	
GW OPERABLE UNIT	200-ZP-1	**DRILL DATE**	5/31/1947	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	200-W-200-PL				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/26/2004
WELL ID	A7359	DRILL DATE	5/31/1947	NORTHING	135932.812
WELL NAME	299-W15-58	CONST DATE		EASTING	566522.905
HOST WELL ID		CONST DEPTH		ELEVATION	206.221

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	

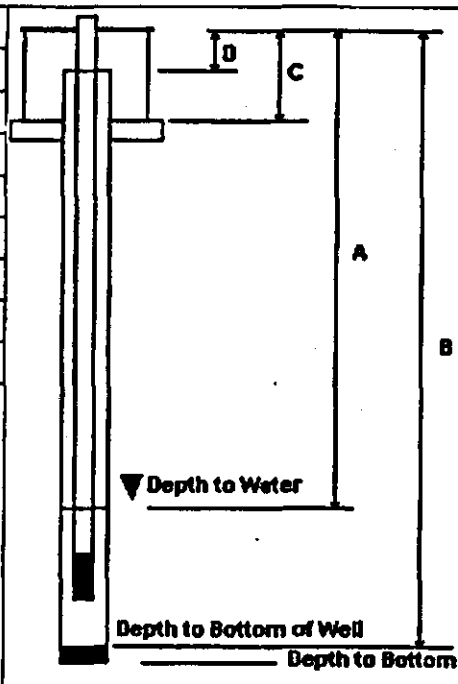
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/26/2004
WELL ID	A7359	DRILL DATE	5/31/1947	NORTHING	135932.812
WELL NAME	299-W15-58	CONST DATE		EASTING	566522.905
HOST WELL ID		CONST DEPTH		ELEVATION	206.221

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
299-W15-58		40920.00	673.08	124.0					
VW		-76678.00	8.0	124.0					
			5/47						231-8
299-W15-59									
VW									231-11
299-W15-60									
VW									231-9
299-W15-61									
VW									231-10
299-W15-62		40975.00	665.01	200.0					DEEPENED 12/82, 6" CASING,
VW		-76150.00	8.0	194.0					GROUTED
			10/47						241-TX-231-1
299-W15-63		40975.00	664.81	200.0					DEEPENED 11/82, 6" CASING,
VW		-76100.00	8.0	200.0					GROUTED
			10/47						241-TX-231-2
299-W15-64		40900.00	661.46	200.0					DEEPENED 11/82, 6" CASING,
VW		-75965.00	8.0	189.0					GROUTED
			10/47						241-TX-231-3
299-W15-65		41144.00	661.00	26.0					
VW		-75629.00	8.0	26.0					
			12/48						241-TXSW-1
299-W15-66		40934.00	661.00	77.0					DEEPENED 1/83, 6" CASING,
VW		-75629.00	8.0	73.0					GROUTED
			12/48						241-TXSW-3
299-W15-67		41803.00	670.30	150.0	P	8.0	38.0	98.0	
VW		-75690.00	8.0	150.0					
			1/49						241-TX-6
299-W15-68		42098.00	672.61	150.0	P	8.0	38.0	92.0	
VW		-75801.00	8.0	150.0					
			1/49						241-TX-9
299-W15-69		41590.00	671.14	150.0	P	8.0	40.0	100.0	
VW		-75903.00	8.0	150.0					
			2/49						241-TX-2

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

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A7359	299-W15-58	UNKNOWN	NAD83	01/01/1801	CONVERTED	135932.812	566522.905	m	

SURVEY DATA REPORT				Request No. 063-334
Project No.	Title: Well Decommissioning A7359 at 200W Area			File No. 2WT12R25
Job No. 654008011.1193120 CA10	Prepared By S. Wray	Date 7/05/06	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A7359 (299-W15-58) at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	J.D. Davis	1		
	R.L. Biggerstaff	1		
	G.G. Kelty	1		
	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A7359	N 135932.81, E 566522.91	Found Existing PK Nail in asphalt road, previously set at coordinates given, Northeast of 231-Z Bldg., 200W Area. No above ground evidence of well found.

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

E-NW-246 (09/04)

This information is PROPRIETARY and is provided solely for use in conjunction with work managed and controlled by Fluor Federal Services.

SCAN DATA REPORT

Request No.: 063-405		
Project No.: NA	Title: WELL DECOMMISSIONING / A7353, A7359 200 W	File No. : S2WZP013

o No.:	Prepared by:	Date:	Reviewer:	Page
65400801.1193120/CA10	S. Wray	7/18/06	7-18-06	1 of 2

DESCRIPTION OF WORK:

Perform ground scan around above staked well locations

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1		
J. Davis	1		
D. Biggerstaff	1		
G. Kelty	1		
E. Rafuse	1		

DATE OF FIELD INVESTIGATION: 7/18/06

Weather: Temp 90°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 6 feet

Equipment Used:	Required Functional Checks Current/Completed
x 50/60 Hz detector (for energized lines)	☒
x Radio Frequency Electromagnetics (RF)	☒
x Ground Penetrating Radar (GPR)	☒
x Other (identify) magnetometer	☒

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

Documentation Provided: None

Limits of Investigation: 20 ft square area around staked well location

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: All detected UG lines were marked with blue paint.

SCAN DATA REPORT

Request No.: 063-383

ɔject No.:

Title: 300 AREA- DPT HOLES GROUND SCANS 15 STAKED LOCATIONS

File No. : S3A-0011

Job No.:	Prepared by:	Date:	Reviewer:	Page
65400801.1222460* homex-CA10	Rand Taylor	7/10/06	JC Wolff 7-12-06	1 of 2

DESCRIPTION OF WORK:

Performed a 10' radius scan at fifteen DPT staked locations at the 300 Area.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
C.R.Webb	1	1	
C.Wright	1	1	
B.Howard	1	1	
G.Kelty	1	1	
D.Biggerstaff	1	1	
J.Davis	1	1	

DATE OF FIELD INVESTIGATION: 7/10/06

Weather: Temp 80°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 8 feet

ɜquipment Used:	Required Functional Checks Current/Completed
x 50/60 Hz detector (for energized lines)	☒
x Radio Frequency Electromagnetics (RF)	☒
x Ground Penetrating Radar (GPR)	☒
____ Other (identify)	☐

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

Documentation Provided: H-3-34224 & M-3904.

Limits of Investigation: Performed a 10' radius scan at fifteen staked DPT locations at the 300 Area

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, Locations 1# & 14# did have underground obstructions in the scan area. (Shown on Sketch)

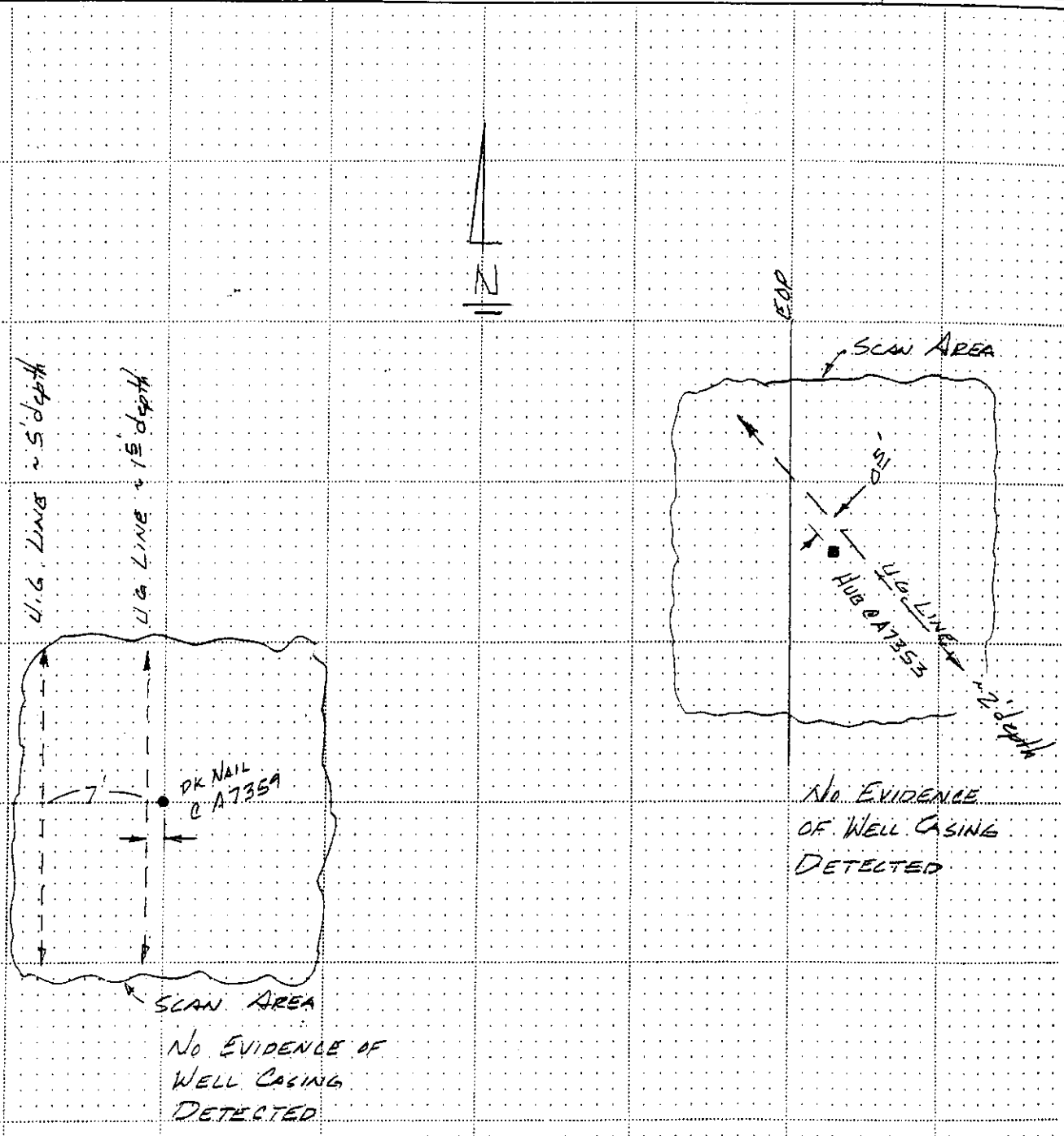
Note, 2#, 3#, 4#, 5# 6#, 7#. 8#, 9#, 10#, 11#, 12#, 13# & 15# were all clear of underground obstructions.

FLUOR FEDERAL SERVICES

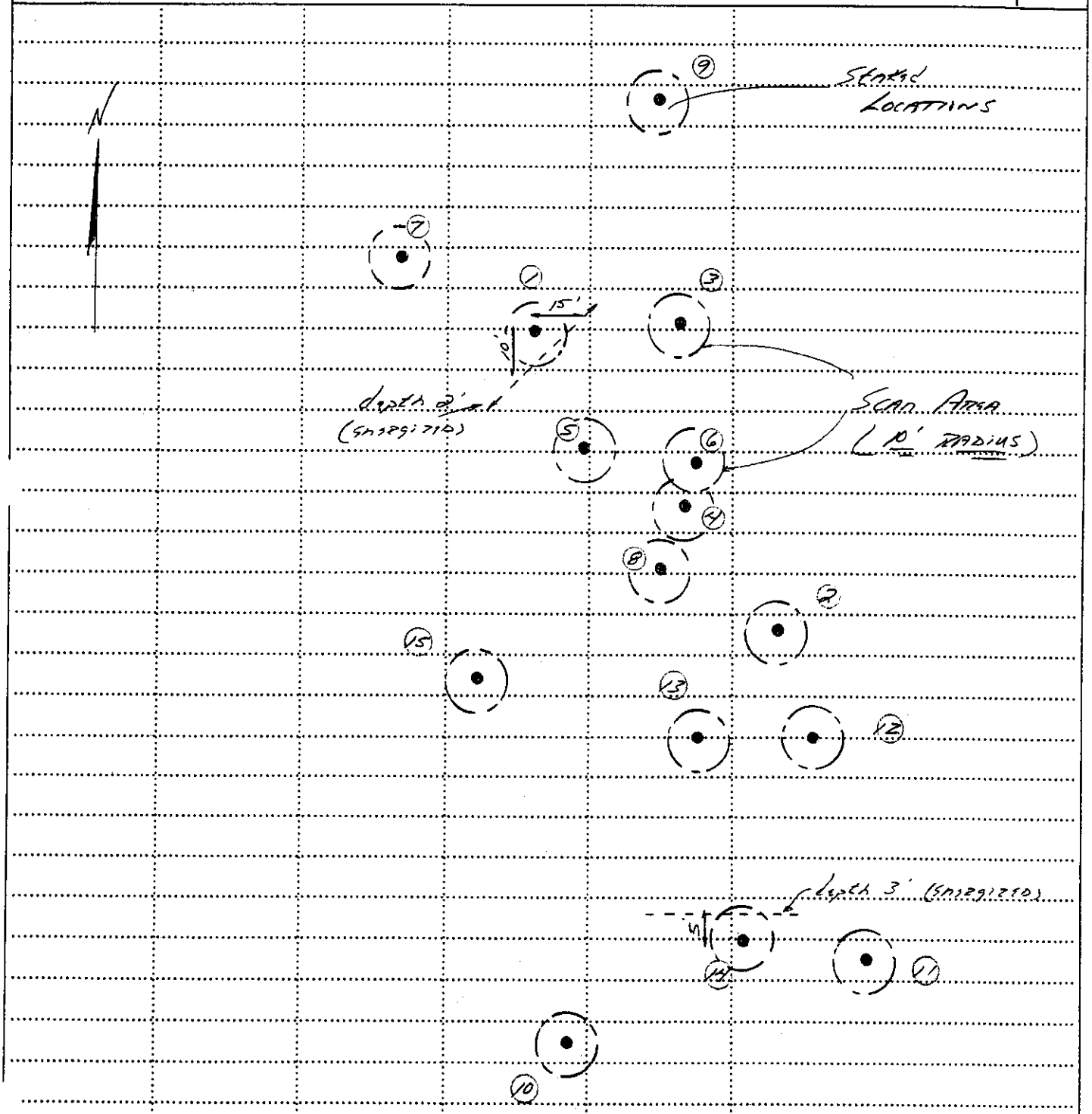
FIELD SKETCH

Attachment to or Description:
WELL DECOMMISSIONING GPR @ A7353, A7359

Sheet 2 of 2



	FIELD SURVEY NOTES	Date 7-10-06
		File No. S3A-0011
Title 300 AREA - DPT Holes - Ground Scans		Req. No. 063-383
Crew Taylor / Wolff	Weather Sun	
Inst. Smart Cart solo nf	Temp. 85°	Bar. PPM



E006461

WELL MAINTENANCE PROBLEM IDENTIFICATION REPORT

ALL WELLS @
231-Z Crib.

Well No. W15-1; 15-51 thru 61 Date 1-18-89 Time Morn.

Well # 2-W15-58 Dju 1/22/93

Well Location 231-Z

200W

Problem Notification by Bill Hayward Company WESTINGHS. D+D

Phone 373-4897

DESCRIPTION OF PROBLEM:

CRIB IS GOING TO BE COVERED OVER WITH FILL DIRT AND THUS CASINGS NEED TO BE EXTENDED.

CORRECTIVE ACTION TAKEN: Date N/R Time N/R

Casings are to be surrounded w/ culvert pipe to keep fill dirt out of them until casings can be extended.

Recorded by: A. L. Schatz Date 3-2-89

Approved by: M.G. Gardner Date 3-3-89

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A7359, Well Name: 299-W15-58					
A7359	-- No information available --				

NW-6.287

29-9-W15.58

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 22-3126
Well No. 231-8
Driller C.H. Row
Foreman Sinderson

Date 28 April 47
Shift #3
Depth beginning of Shift 0
Depth completion of Shift 5'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					3:48-4:05	Dressing in.
					4:05-4:35	Waiting for S.W.P.
					4:35-8:00	Moving Rig to new well location #8. Changed cable &
						rope socket. Took off drive head. Put cable back on
						supply reels.
					8:00-8:45	Dressing out, lunch.
					8:45-11:15	Rigging up and preparing #8 well site.
11:15-11:30	0 - 5			Top soil (Gravel	11:15-11:30	Sounding in with posthole digger.
					11:30-12:00	Dressing out, changing clothes.

REMARKS

Machine is leveled. Check in morning of April 29. Rig is serviced. Put drill guide on and machine is ready to operate. Ready for H.I. to sample.

NW-6.201

DRILLING LOG

PROJECT NO. 0-133

Rig No. H.O. 22-3126
Well No. 231-8
Driller Johnson
Foreman Greenfield

Date 29 April 47
Shift # 2
Depth beginning of Shift 5
Depth completion of Shift 24

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:05	Dressing in
					8:05-8:15	Checking rig & preparing to drill.
8:15-9:10	5'-10'			Top Soil		Drilling
					9:10-9:30	H.I. Sampling
					9:30-10:00	Started 10' of 8" pipe in hole.
					10:00-10:45	Welding on 10' of 8" casing.
10:45-12:00	10'-14'			Top Soil		Drilling
					12:00-12:45	Shutting down, dressing out, lunch.
12:45-1:05	14-15'			Sand & Gravel		Drilling
					1:05-1:25	H.I. Sampling.
1:25-1:55	15-20				1:25-1:55	Drilling
					1:55-2:15	H.I. Sampling
2:40-3:45	20-24'	(Drilling)			2:15-2:40	Welding on 10' of 8" casing
					3:45-4:00	Shutting down dressing out.

REMARKS:

30' of 8" pipe over all
24' of 8" casing in hole.

DRILLING LOG

PROJECT NO. 0-133

Rig No. H.O. 22-3126
Well No. 231-8
Driller Row
Foreman Sindrach

Date 29 April 47
Shift # 3
Depth beginning of Shift 24'
Depth completion of Shift 35'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					3:48-4:05	Dressing in
					4:05-4:15	Safety instructions while waiting S.W.P's.
					4:15-4:25	Checking rig.
:25-5:30	24'-25'			Gravel & rocks?		Drilling
					5:30-6:00	H.I. Sampling
:00-7:00	25-30'			Black Gravel		Drilling
					7:00-7:30	Changing bits, putt ng on drive head.
					7:30-7:50	Cut off 3" of pipe.
					7:50-8:00	Welding on 10' of 8" pipe, 39' of 8" pipe over all.
					8:00-8:45	Shutting down, dressing out, lunch.
					8:45-9:30	Waiting on welder to finish weld.
					9:30-10:00	H.I. Sampling.

REMARKS.

30'3" of pipe over hole at start of shift. Black, quick sand very fine. Water leaking hole when below pipe. Pipe is on the bottom of hole. Hole is not bailed out. Changed bit. Machine is serviced ready to operate.

NW-6.261

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 22-3126
Hole No. 231-8
Driller Rowe
Foreman Sinderson

Date 29 April 47
Shift # 3
Depth beginning of Shift 24'
Depth completion of Shift 35'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
0:00-11:10	30'-35'			Black fine sand		Drilling.
					11:10-11:30	H.I. Sampling.
					11:30-12:00	Cleaning up. shutting down, dressing out.

REMARKS.

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 22-3126
Well No. 231-B
Driller Johnson
Foreman Gillum

Date 30 April 47
Shift # 2
Depth beginning of Shift 35'
Depth completion of Shift 53'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:45-8:10	Dressing in.
8:10-10:00	35-40'			Black sand		Drilling.
					10:00-10:20	H.I. Sampling.
					10:20-11:00	Welding on 10' of 8" pipe, total 50' over al
11:00-11:40	40-45			Sand		Drilling
					11:40-12:00	H.I. Sampling.
					12:00-12:30	Dressing out, lunch.
					12:30-1:00	Safety meeting.
					1:00-1:10	H.I. Sampling.
1:10-1:45	45-50'			Sand & Mud		Drilling.
					1:45-2:10	H.I. Sampling.
					2:10-3:40	Waiting on welder. Wleded on 10' 8" pipe. total 60'
3:40-3:50	50-53			Sand.		Drilling & driving casing.

REMARKS

Total pipe in hole 53'

NW-6.287

DRILLING LOG

PROJECT NO. 0-133

Rig No. H.O. 22-3126
Well No. 231-8
Driller Row
Foreman Greenfield

Date 30 April 47
Shift # 3
Depth beginning of Shift 53'
Depth completion of Shift 76'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					3:48-4:05	Dressing in.
					4:05-4:30	Safety meeting.
4:30-4:50	53 - 53½'			Sand. Black, white,		Drilling
					4:50-5:00	Shut down, oil filter leaking.
5:00-5:40	53½-55'			Sand, gray, white		Drilling.
					5:40-6:20	H.I. Sampling & repairing oil filter
6:20-6:40	55-60'			Sandy loam, sand		Drilling.
					6:40-7:00	HI Testing.
7:00-7:30	60'-65'			Sandy loam, sand		Drilling.
					7:30-8:00	H.I. Sampling.
					8:00-8:45	Lunch, dressing out, and in.
8:45-9:15	65-70			Sandy loam.		Drilling.

REMARKS

76' of pipe in hole. Pipe is on bottom. No sample at 75'. H.I. instructions to drive pipe to bottom of hole.
80' of pipe over all

W-6.207

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O. 72-3126
Hall No. 231-8'
Driller Row
Foreman Greenfield

Date 30 April 47
Shift #3
Depth beginning of Shift 53'
Depth completion of Shift 76'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					9:15-10:05	Waiting on welder & welded on 10' pipe
					10:05-10:25	Driving casing.
					10:25-11:05	Welded 10' of 8" casing.
11:05-11:25	70'-76'					Drilling

REMARKS

No sample, bit has not been tested.

DRILLING LOG

PROJECT NO. C-133

Date 1 May 47

Shift # 2

Depth beginning of Shift 76

Depth completion of Shift 94

[redacted]

Hole No. [redacted]

Well No. 231-[redacted]

Driller Johnson

Foreman Gallum

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:10	Dressing in.
					8:10-8:25	Servicing rig & H.I. Sampling.
					8:25-9:00	H.I. Testing.
:00-9:40	76-80			Sand		Drilling
					9:40-10:00	H.I. Sampling.
					10:00-10:20	Welding on 10' of 8" casing totall pipe 90'
0:20-11:40	80-85'			Clay		Drilling
					11:40-12:00	H.I. Sampling.
					12:00-12:40	Dressing out, lunch, dressing in.
2:40-1:15	85'-90'			Clay & gravel		Drilling.
					1:15-1:35	H.I. Sampling.
					1:35-2:00	Welding on 10' of 8" pipe total 100'
2:00-3:35	90-94'				3:35-4:00	Dressing out, shutting down.

REMARKS

Total casing in hole 94'

W-6.287

DRILLING LOG

PROJECT NO. C-133

Rig No. H.O.-22-3126
Well No. #23-8
Driller Row
Foreman Greenfiled

Date 1 May 47
Shift #3
Depth beginning of Shift 94'
Depth completion of Shift 100'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					3:45-4:05	Dressing in.
					4:05-4:30	Went to first aid.
					4:30-4:40	Checking Rig.
:40- 5:15	94'-95'			Basalt Rock		Drilling
					5:15-5:45	H.I. Testing.
					5:45-6:15	Bailing, hole very dirty.
:15-8:00	95'-97½'					Drilling.
					8:00-8:45	Lunch.
:45-10:15	97½-100					Drilling
					10:15-10:45	H.I. Sampling cand changing bit.
					10:45-10:55	Bailing, hole is clean.
					10:55-11:20	Welding 10 ft of 8" casing.
1:20-11:45 . 100'						Drilling no progress.

REMARKS

110 pipe over all. Hole is clean. Bit will not stick. New bit put on. Formation is hard.

NW-6.287

DRILLING LOG

PROJECT NO. 0-133

Rig No. H.O. 22-3126
Well No. 231-8
Driller JOHNSON
Foreman Gillum

Date 2 May 47
Shift # 2
Depth beginning of Shift 100
Depth completion of Shift 111

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:10	Dressing in.
					8:10-8:25	Safety instructions, while waiting S.W.P's.
:25-11:45	100-105'			Rock		Drilling.
					11:45-12:00	H.I. Sampling.
					12:00-12:40	Dressing out, lunch.
2:40-2:00	105'-110'			Black sand		Drilling
					2:00-2:35	Sampling by H.I.
					2:35-2:55	Welding on 10' of 8" pipe, totd 120'
:55-3:35	110'-111			Black sand		Drilling.

REMARKS

111 Ft. of casing in hole.

N-6.287

DRILLING LOG

PROJECT NO. C-133

ig No. E.O. 22-3126
ell No. 231-E
riller Row.
oreman Greenfield.

Date 2 May 47
Shift # 3
Depth beginning of Shift 111'
Depth completion of Shift 124'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					3:45-4:05	Dressing in.
					4:05-4:20	Safety instructions
20-6:30	111-115'			Black quick		Drilling.
					6:30-7:00	H.I. Sampling.
00-8:00	115-120			Basalt & sandy loam.		Drilling
					8:00-8:30	H.I. Sampling.
					8:30-9:20	Welding on 5' of pipe.
					9:20-9:30	Driving pipe.
30-10:00	120'-124'			Sandy loam		Drilling.
					10:00-12:00	Shut down on account of H.I.

REMARKS

124' of pipe in hole. Hole stopped at 124' Well complete.

299-W22-55
A7862

WELL ATTRIBUTES REPORT

WELL ID	A7862	**NORTHING**	134152.277	**FIELD ORDER NO**	
WELL NAME	299-W22-55	**EASTING**	566848.204	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	200-W-96,241-SX-113,UPR-200-W-49				
WM PLAN(S)					
WASTE STORAGE(S)					

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 ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	50	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A7862	**NORTHING**	134152.277	**FIELD ORDER NO**	
WELL NAME	299-W22-55	**EASTING**	566848.204	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT 200-W-96,241-SX-113,UPR-200-W-49

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

SEE SCAN & SURVEY REPORT
ALONG w/ PHOTOS

WELL ATTRIBUTES REPORT

LAST INSPECTION	1/1/1801		
NORTHING	134152.277		
EASTING	566848.204		
ELEVATION	208.329		
FIELD ORDER NO		CONST DATE	
WELL ID	A7862	CONST DEPTH	
WELL NAME	299-W22-55		
HOST WELL ID			

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	ND*	DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)	ND*	TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)	ND*	TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

11/2/2

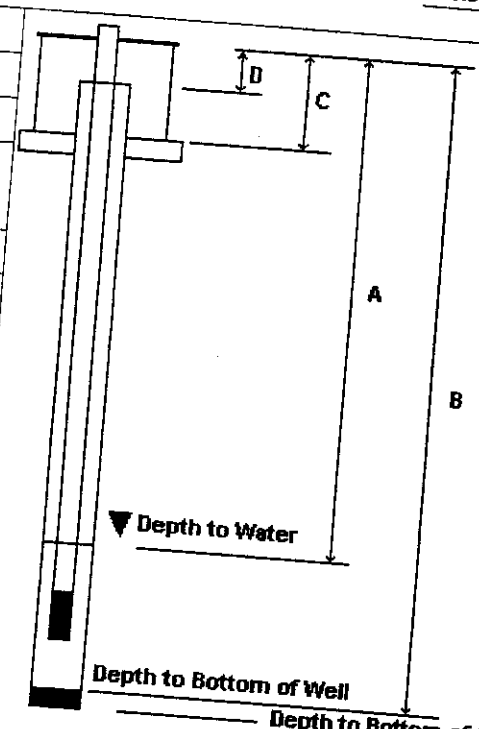
Not Documented

WELL ATTRIBUTES REPORT

ELD ORDER NO				LAST INSPECTION	1/1/1801
ELL ID	A7862			NORTHING	134152.277
WELL NAME	299-W22-55	CONST DATE		EASTING	566848.204
HOST WELL ID		CONST DEPTH		ELEVATION	208.329

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	50	
	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

ANGES

SCREEN INFORMATION

ZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

GES

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
299-W22-43	134539.24	36339.10	691.35	244.0	S	4.0	223.7	244.0	
GW	567532.48	-73376.50	4.0	244.0					
H			5/90	226.2					
299-W22-44	134484.42	36163.90	678.13	246.0	S	4.0	205.1	242.2	
GW	566955.99	-75268.60	4.0	246.0					
H			11/91	210.5					
299-W22-45	134292.51			240.0	S	4.0	198.1	233.9	
GW	566945.16		4.0	239.0					
H			8/92	201.3					
299-W22-46	134127.84		671.18	241.0	S	4.0	192.9	228.9	
GW	566903.85		4.0	241.0					
H			11/91	205.9					
299-W22-51		34480.00	680.00	50.0					
VW		-74150.00	8.0	50.0					
			12/48						REDOX 1
299-W22-52		34480.00	680.00	50.0					
				50.0					
									REDOX 2
				50.0					
				50.0					
									REDOX 3
				50.0					
				50.0					
									REDOX 4
299-W22-55		35075.00	680.00	50.0					
VW		-75625.00	8.0	50.0					
			12/48						REDOX 5
299-W22-56		34330.00	672.00	50.0					
VW		-74330.00	8.0	50.0					
			12/48						REDOX 6
299-W22-57		34475.00	680.00	50.0					
VW		-73750.00	8.0	50.0					
			12/48						REDOX 7
299-W22-58		34450.00	680.00	30.0					
VW		-73500.00	8.0	30.0					
			12/48						REDOX 8

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

Query HWIS again

WIS Interface - Survey Information - Horizontal

VELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
7862	299-W22-55	UNKNOWN	NAD83	01/01/1801	CONVERTED	134152.277	566848.204	m	

SURVEY DATA REPORT				Request No. 063-373
Project No.	Title: Well Decommissioning Program / A7862 (299-W22-55)			File No. 2WT12R25
No. 65400891.1193120 CA10	Prepared By S. Wray	Date 7/05/06	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Investigate location of Well A7862 (299-W22-55) at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	J.D. Davis	1		
	R.L. Biggerstaff	1		
	G.G. Kelty	1		
	T. Hottell	1		
	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A7862	N 134152.27, E 566848.20	No evidence of Well visible. Set hub and lath at given coordinates.

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.: 063-383

Project No.:	Title: 300 AREA- DPT HOLES GROUND SCANS 15 STAKED LOCATIONS		File No.: S3A-0011
Job No.: 65400801.1222460* homex-CA10	Prepared by: Rand Taylor	Date: 7/10/06	Reviewer: JC Wolff 7.12.06

Page 1 of 2

DESCRIPTION OF WORK:

Performed a 10' radius scan at fifteen DPT staked locations at the 300 Area.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
C.R.Webb	1	1	
C.Wright	1	1	
B.Howard	1	1	
G.Kelty	1	1	
D.Biggerstaff	1	1	
J.Davis	1	1	

DATE OF FIELD INVESTIGATION: 7/10/06

Weather: Temp 80°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 8 feet

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

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

Documentation Provided: H-3-34224 & M-3904.

Limits of Investigation: Performed a 10' radius scan at fifteen staked DPT locations at the 300 Area

EQUIPMENT LIMITATIONS:

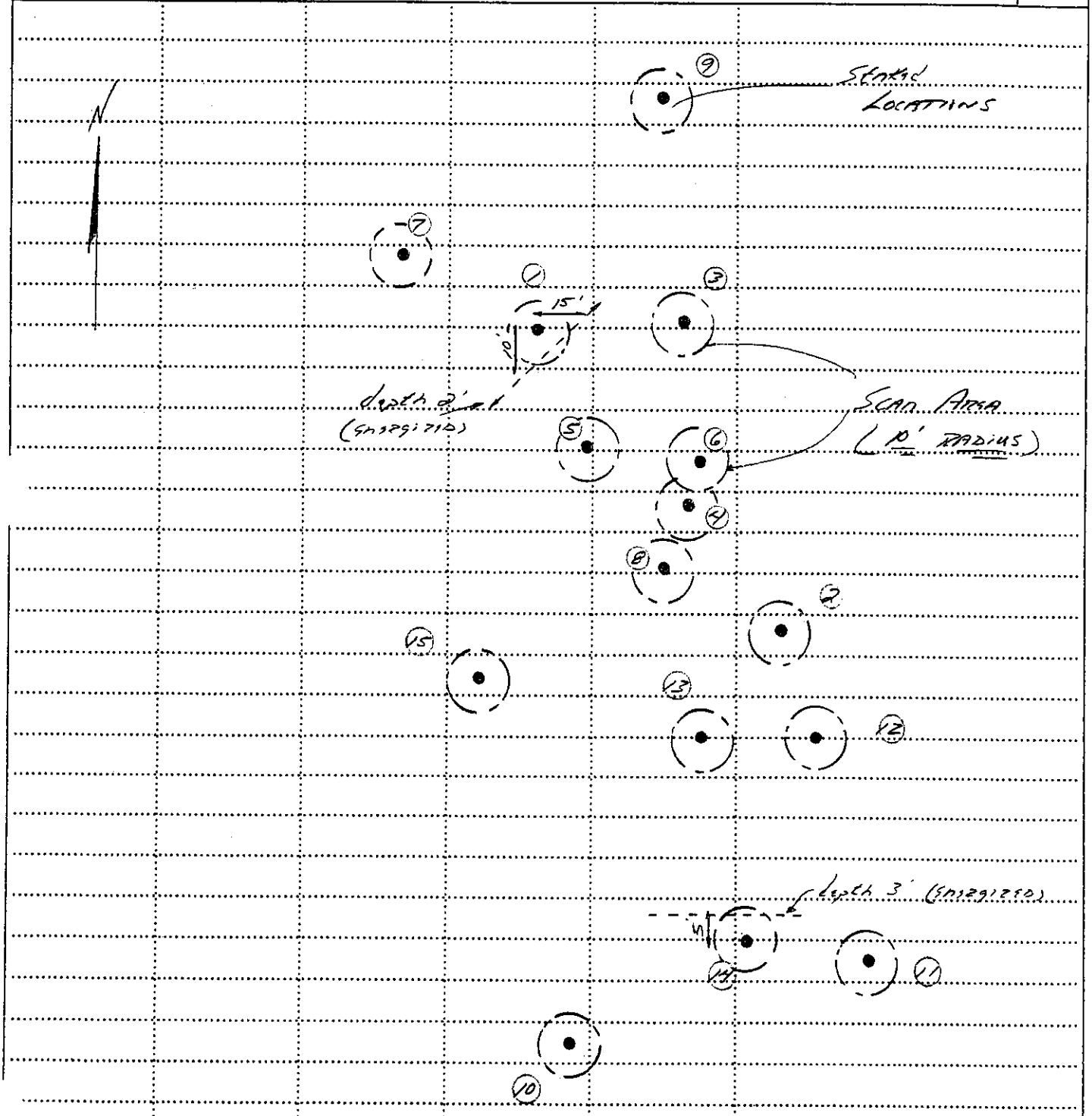
1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

Discussion of Findings: Note, Locations 1# & 14# did have underground obstructions in the scan area. (Shown on Sketch)

Note, 2#, 3#, 4#, 5# 6#, 7#. 8#, 9#, 10#, 11#, 12#, 13# & 15# were all clear of underground obstructions.

FIELD SURVEY NOTES

Date	7-10-06
File No.	S3A-001V
Title	300 AREA - DPT HOLES - GROUND SCANS
Req. No.	063-383
Crew	Taylor / Wolff
Weather	SUN
Inst.	SMART CART SOUTH OF
Temp.	85°
Bar.	
PPM	



SCAN DATA REPORT

Request No.: 064-389		
Project No.: NA	Title: WELL DECOMMISSIONING SCAN A7862, A7871, A8056	File No.: S2WA-018
No.: 65400801.1193120/CA10	Prepared by: S. Wray	Date: 7/17/06
Reviewer: JC Wolff, John Wolff 7-18-06	Page 1 of 1	

DESCRIPTION OF WORK:

Perform ground scan at above staked well locations.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
E. C. Rafuse	1		
B. Howard	1		
J. Davis	1		
D. Biggerstaff	1		
G. Kelty	1		

DATE OF FIELD INVESTIGATION: 7/17/06

Weather: Temp 85°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☐ Dry

Depth of Investigation 6 feet

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

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

Documentation Provided: None

Limits of Investigation: 20 ft square area around each well location.

EQUIPMENT LIMITATIONS:

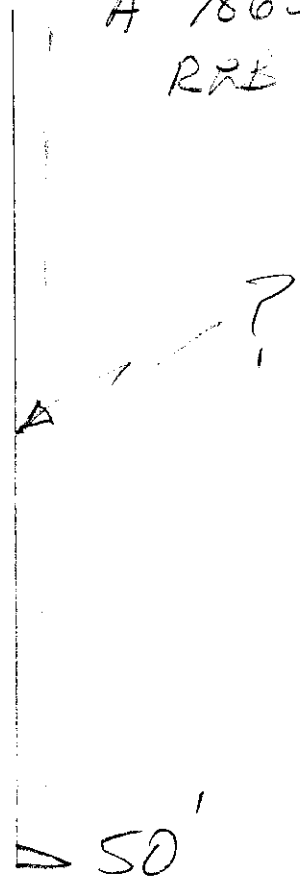
1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

Discussion of Findings:

Note: No UG objects detected at any locations.

A 7862
RRB 3/30/05

299-W22-55
CT 12/19/48



(not to scale)

DRILLI .OG

PROJECT NO. F-10156

299-W 22-55

Rig No. HO-22-3129

Hell No. Redox test hole # 5 ~N 35,075 ~W 75,625

Driller Row

Foreman Russell

Date 12-24-48

Shift #2

Depth beginning of Shift 0

Depth completion of Shift 0

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:20	Gassing up and driving to well site
					8:20 to 10:00	Preparing to move and moving rig
					10:00 to 12:00	Leveling rig and rigging up
					12:00 to 12:30	Lunch
					12:30 to 4:00	TIME-OFF FOR CHRISTMAS

REMARKS

HW-6.287

DRILLI LOG

PROJECT NO. F-10156

Rig No. HO-22-3129
Well No. Redox test hole # 5
Driller Row
Foreman Russell

Date 12-27-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 40'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:15	Gassing up and driving to well site
					8:15 to 10:15	Waiting for water and starting motor
10:15 to 10:25	5'			Top soil, sand and silt		
10:25 to 10:40	10'			Top soil, sand and silt		
10:40 to 11:20	14'			Sand, gravel and silt		
					11:20 to 11:30	Running 15' starter casing. Total 15'.
11:30 to 11:40	15'			Sand, gravel and silt		
11:40 to 12:00	20'			Sand, gravel and silt		
					12:00 to 12:30	Lunch
12:30 to 1:15	25'			Sand, gravel and silt		
1:15 to 2:00	30'			Sand and silt		
2:00 to 2:45	35'			Sand and silt		

REMARKS

Hole caves some when out of pipe. Uses lots of water.

HH-6.287

DRILLI LOG

PROJECT NO. F-10156

Rig No. HO-22-3129
Well No. Redox test hole # 5
Driller Row
Foreman Russell

Date 12-27-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 40'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
2:45 to 3:40	40'			Sand and silt		
					3:40 to 4:15	Dressing out and driving to yard

REMARKS

HW-6.287

DRILL LOG

PROJECT NO. F-10156

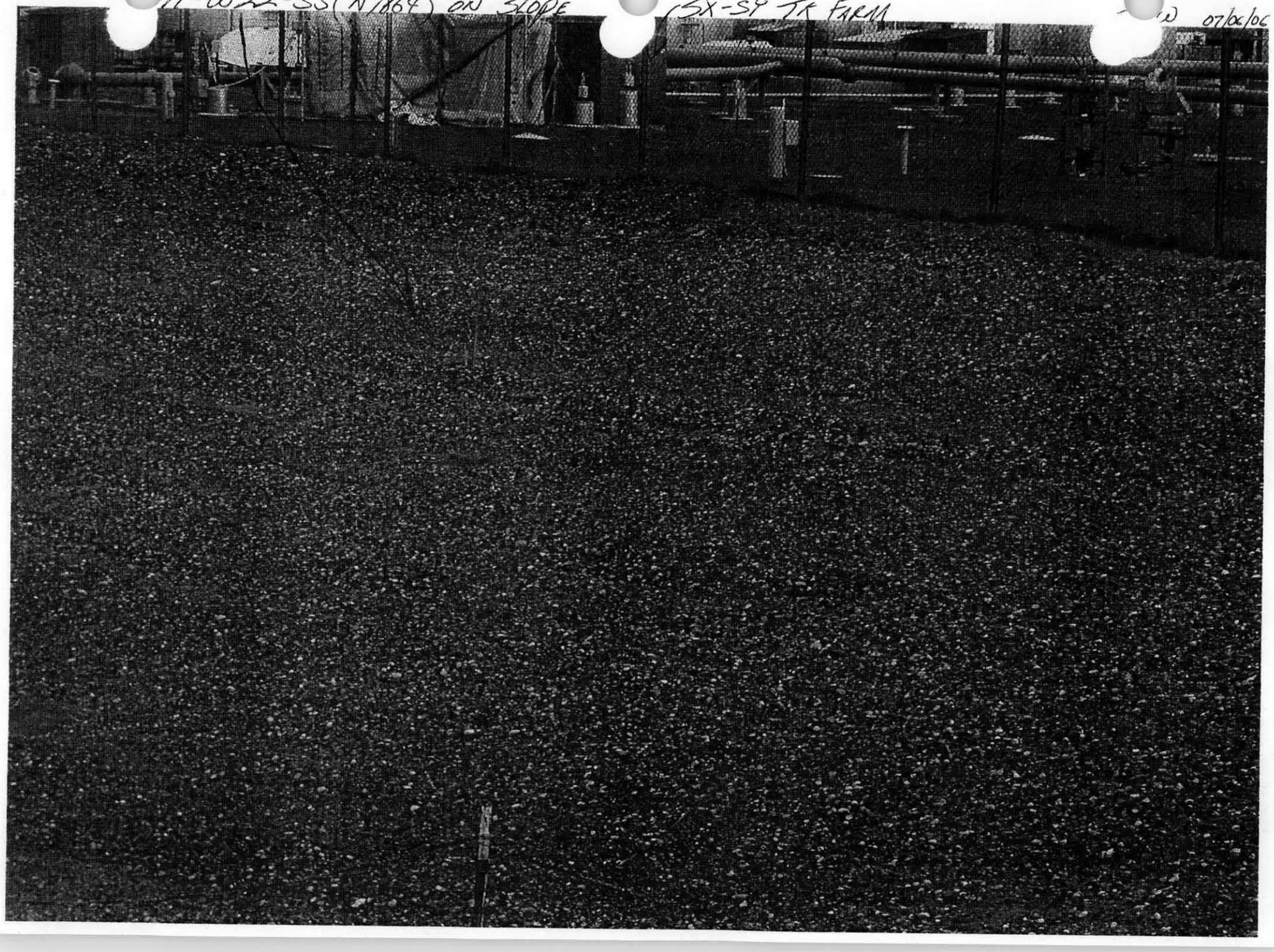
Rig No. HO-22-3129
Well No. Redox test hole # 5
Driller Roy
Foreman Russell

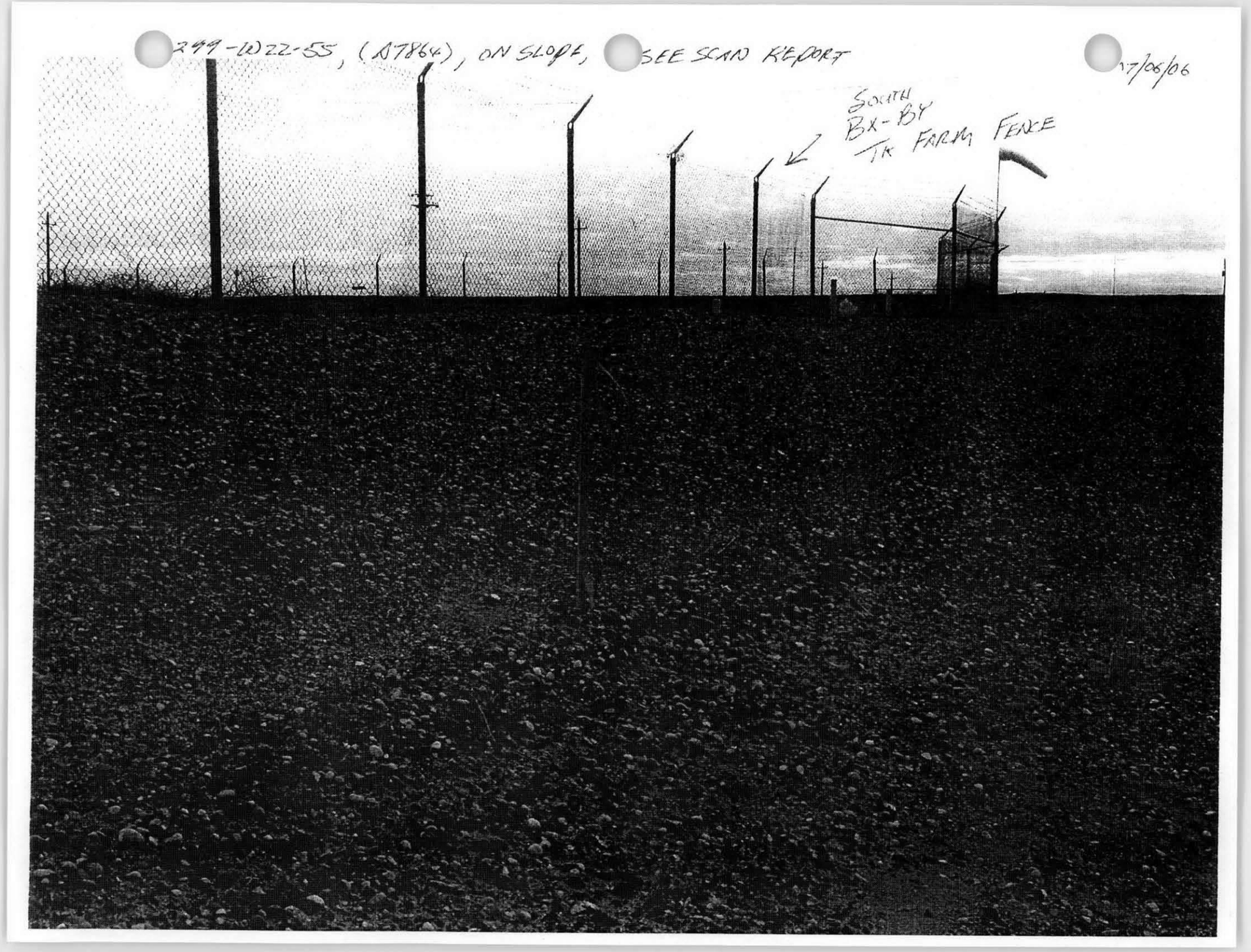
Date 12-28-48
Shift #2
Depth beginning of Shift 40'
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:15	Gassing up and driving to well site
					8:15 to 9:00	Thawing out rig
9:00 to 9:30	43'			Coarse sand and silt		
					9:30 to 11:30	Welding 9'1" & 9'1" & 9'1" & 9'4" pipe. Total 51'7".
11:30 to 12:00	45'			Coarse sand and silt		
					12:00 to 12:30	Lunch
12:30 to 1:00	50'			Coarse sand and silt		
					1:00 to 3:40	Tearing down and moving rig
					3:40 to 4:18	Dressing out and driving to yard
					HOLE COMPLETE	

REMARKS

Hole complete at 1:00 p.m. Dec. 28, 1948.
51'7" pipe over hole and pipe on bottom at 50'.
Drills easy. Caves when out of casing-not bad.


39-W22-55(A7864) ON SLOPE
SX-SY TR FARM
07/06/06


299-W22-55, (A7864), ON SLOPE, SEE SCAN REPORT
7/06/06
SOUTH
BX-BY
TK FARM FENCE

299-W22-58
A7865

WELL ATTRIBUTES REPORT

WELL ID	A7865	**NORTHING**	133963.483	**FIELD ORDER NO**	
WELL NAME	299-W22-58	**EASTING**	567495.831	**LAST INSPECTION**	12/2/2003
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	200-W-43				
WM PLAN(S)					
WASTE STORAGE(S)					

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 ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A7865	**NORTHING**	133963.483	**FIELD ORDER NO**	
WELL NAME	299-W22-58	**EASTING**	567495.831	**LAST INSPECTION**	12/2/2003
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	200-W-43				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

NON-ROUTINE
WELL MAINTENANCE ORDER

FIELD ORDER NO	WMO-NR-2003-4-233	**SCHEDULED BEGIN/END DATE**	9/4/2003 - 9/18/2003
WELL ID	A7865	**PURGE WATER CONTAINMENT**	CONTAIN
WELL NAME	299-W22-58	**REGULATED TRUCK REQUIRED**	
CONTRACT NO	0000X-SC-G0096-FH	**HPT/RPT COVERAGE**	

HEALTH AND SAFTEY
FOLLOW APPROVED HEALTH AND SAFTEY PLAN PER CONTRACT.

GENERAL INSTRUCTIONS
WORK SEQUENCE TO BE DETERMINED BY THE PERFORMING ORGANIZATION.

SPECIAL INSTRUCTIONS
Remove pump if pump exists.

Chg maintenance to: CACN 118356
COA FA20 CERCLA Waste 118356
COA FA20
CN
9/8/03

900.1	Tag depth to bottom of well and depth to water.
TASK WAS ☒ **COMPLETED** ☐ **CANCELED**	**Comment** This well is either inside of a locked building or its been moved over. I checked all around the building and under covers on the ground. It's not to be found
DATE WORK COMPLETED/CANCELED 12/2/03	
INITIALS WJ	Charged 1100.1 @ 1 hr. SHW

S.H. Worley — Subcontractor Authorized Signature
S.H. WORLEY — Print Name
12-8-03 — Date

Written for Ed Rafuse — BHI Field Services Authorized Signature
WRITTEN FOR ED RAFUSE — Print Name
12/8/03 — Date

J

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2003-4-233			**LAST INSPECTION**	1/1/1925
WELL ID	A7865	**DRILL DATE**	12/31/1948	**NORTHING**	
WELL NAME	299-W22-58	**CONST DATE**		**EASTING**	
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 ☐ 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	D E Gross Jasiak
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	12/2/03
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
BHI-EE-231 (02/20/02)

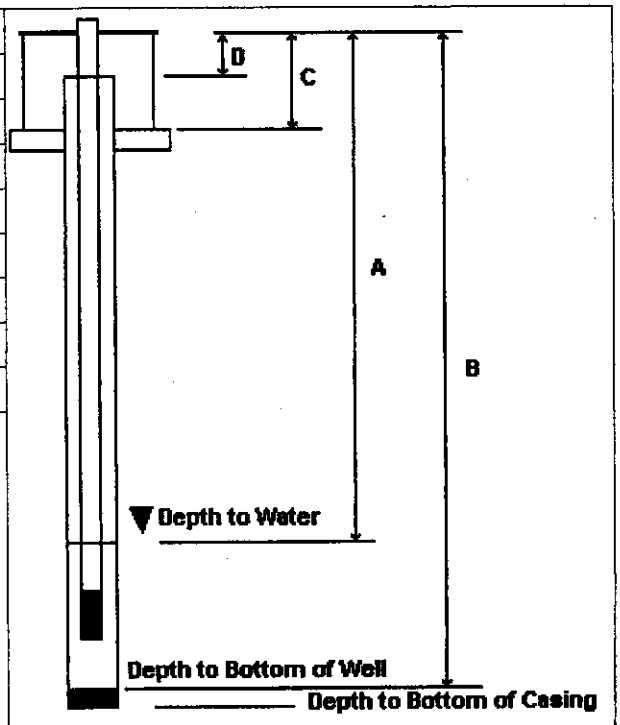
9/2/2003

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2003-4-233			LAST INSPECTION	1/1/1925
WELL ID	A7865	DRILL DATE	12/31/1948	NORTHING	
WELL NAME	299-W22-58	CONST DATE		EASTING	
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	30	
	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
BHI-EE-231 (02/20/02)

9/2/2003

SEE SCAN DATA - NO ANOMALIES LOCATED

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	12/2/2003
WELL ID	A7865	DRILL DATE	12/31/1948	NORTHING	133963.483
WELL NAME	299-W22-58	CONST DATE		EASTING	567495.831
HOST WELL ID		CONST DEPTH		ELEVATION	208.329

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	

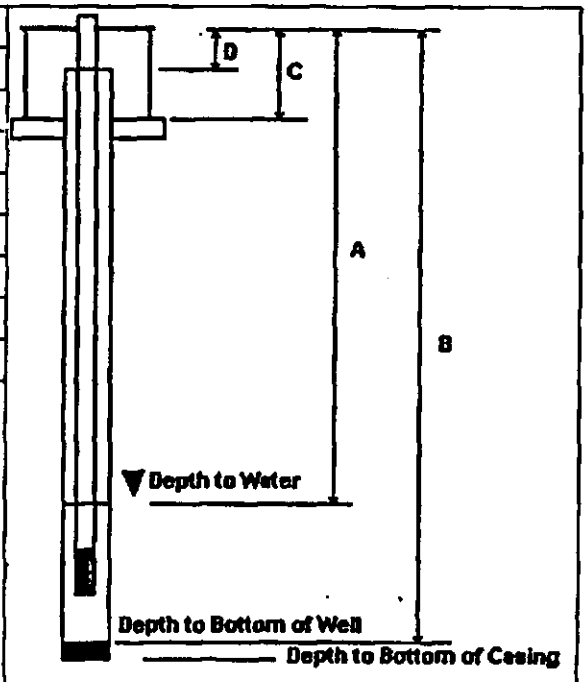
ND* = Not Documented

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	12/2/2003
WELL ID	A7865	DRILL DATE	12/31/1948	NORTHING	133963.483
WELL NAME	299-W22-58	CONST DATE		EASTING	567495.831
HOST WELL ID		CONST DEPTH		ELEVATION	208.329

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
299-W22-43	134539.24	36339.10	691.35	244.0	S	4.0	223.7	244.0	
GW	567532.48	-73376.50	4.0	244.0					
H			5/90	226.2					
299-W22-44	134484.42	36163.90	678.13	246.0	S	4.0	205.1	242.2	
GW	566955.99	-75268.60	4.0	246.0					
H			11/91	210.5					
299-W22-45	134292.51			240.0	S	4.0	198.1	233.9	
GW	566945.16		4.0	239.0					
H			8/92	201.3					
299-W22-46	134127.84		671.18	241.0	S	4.0	192.9	228.9	
GW	566903.85		4.0	241.0					
H			11/91	205.9					
299-W22-51		34480.00	680.00	50.0					
VW		-74150.00	8.0	50.0					
			12/48						REDOX 1
299-W22-52		34480.00	680.00	50.0					
VW		-73950.00	8.0	50.0					
			12/48						REDOX 2
299-W22-53		35350.00	680.00	50.0					
VW		-75955.00	8.0	50.0					
			12/48						REDOX 3
299-W22-54		35600.00	680.00	50.0					
VW		-75625.00	8.0	50.0					
			12/48						REDOX 4
2				50.0					
				50.0					
									REDOX 5
2				50.0					
				50.0					
									REDOX 6
2				50.0					
				50.0					
									REDOX 7
299-W22-58		34450.00	680.00	30.0					
VW		-73500.00	8.0	30.0					
			12/48						REDOX 8

Hanford Wells

PNL-8800 UC-903

M.A.Chamness & J.K. Merz

August 1993

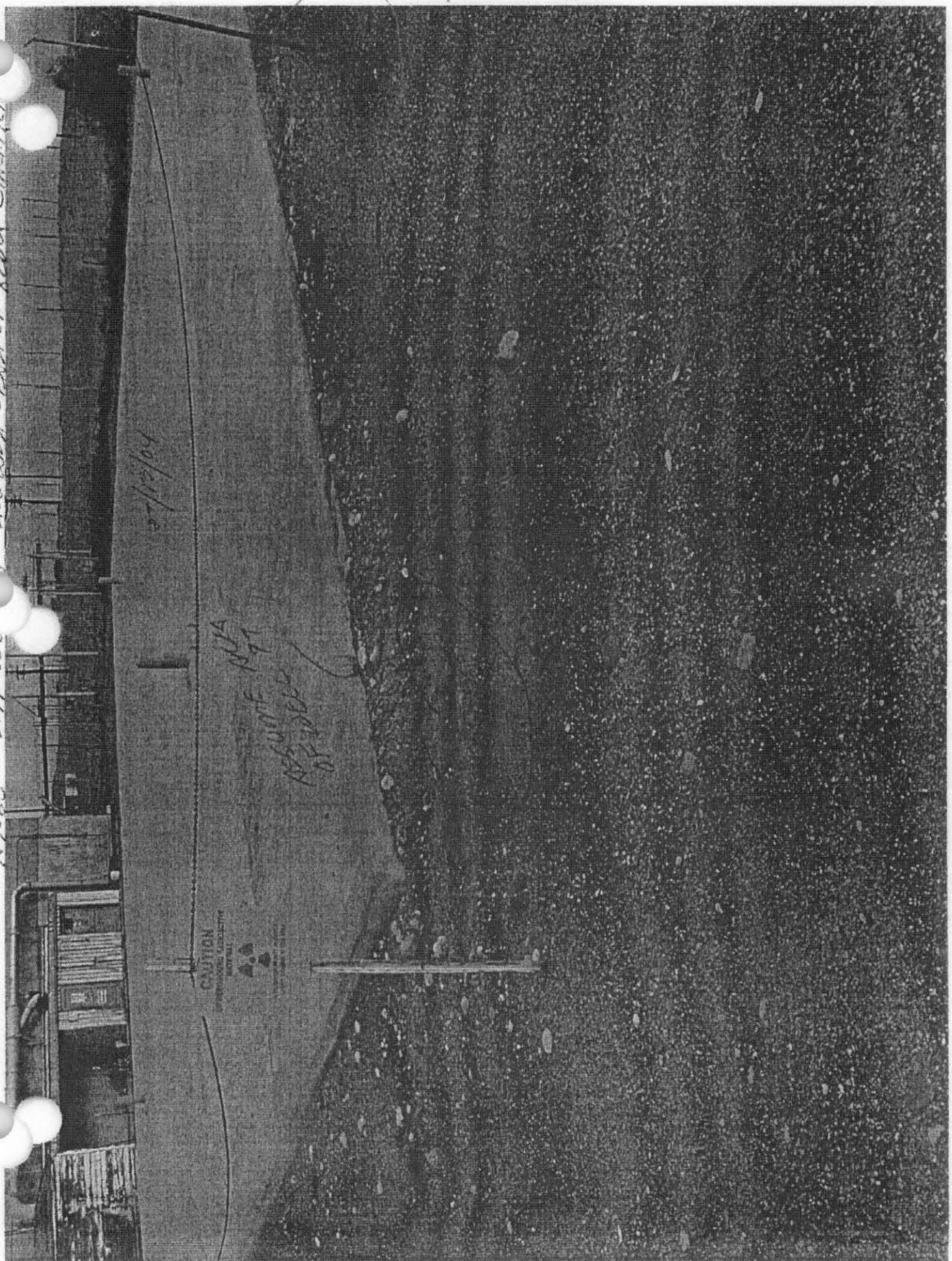
Prepared for U.S. Dept of Energy under

Contract DE-AC06-76RLO 1830

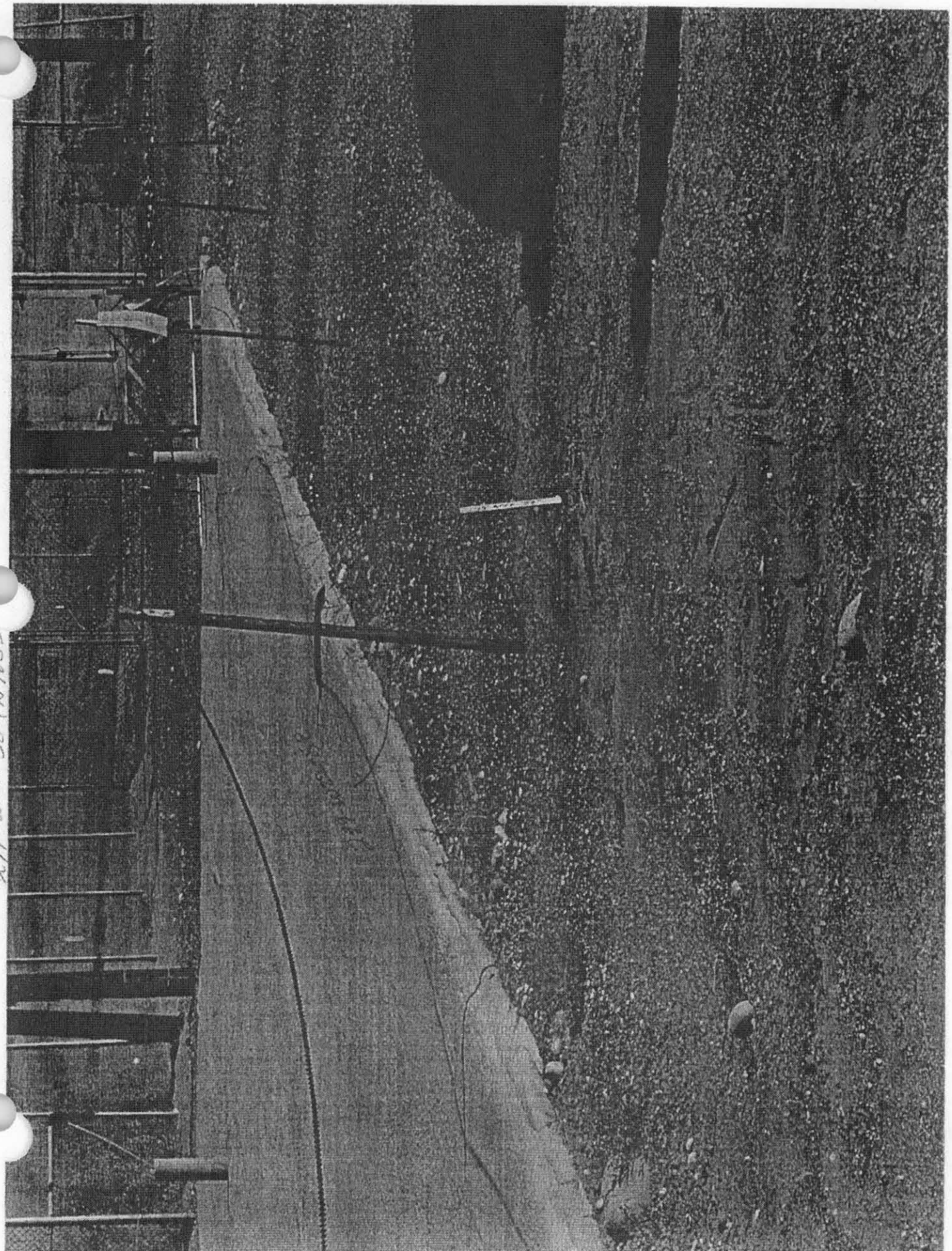
Pacific NW Lab by Battelle Memorial Institute

other photos show well over here.

A7865 299-W22 8 200 WEST - EAST of REDOX STACK FLT



299-58 (NO RADIOACTIVE DAMAGE)



A99-022258 (A7865)

241-W22-58

Fluor Federal Services	SCAN DATA REPORT	Request No: 044-302
Project:	Title: 200-WEST-ABANDON WELLS -GROUND SCAN	File No: 600A-002

Charge Code:	Prepared By:	Date:	Reviewer	
65400871.1193120* HOMEX-HACO	Rand Taylor	Revised Report 7/22/04		1 of

DESCRIPTION OF WORK

Performed a 10'x 10' scan around seven staked abandon well locations in the 200-West Area.

Revised Report: Scanned the last well site inside the S-Plant yard. No under ground signals were detected in the scanned area

DISTRIBUTION	SDR	SKETCH	.DWG
Survey File	OR	OR	
Field Project File			
Ed. Rafuse	1		

Date of Field Investigation: 7/22/04 & 7/15/04

Weather: Temp 90 Wind 5 mph

[ ]Cloud [Clear [ ]P.Cloudy [ ]Fog

Soil Conditions: [ ]Rocky [ ]Sandy [ ]Wet [ ] Dry

Depth of Investigation: 6 ft

Equipment Used:
__ 50/60 HZ detector (for energized lines)
___ Radio Frequency Electromagnetics (RF)
_x_ Ground Penetrating Radar (GPR)
___ Other (identify)

GPR Antenna(s) Used: [ ] 1000 MHZ [x]400 MHZ [ ]300 MHZ [ ] 500 MHZ

Documentation Provided: Composite Drawing of Well Locations

Limits of Investigation: Performed a 10'x 10' ground scan at seven staked abandon well sites in the 200-West Area.

EQUIPMENT LIMITATIONS:
1) Objects that cannot be detected are: concrete, clay pipe, PVC pipe and fiberglass pipe. Objects made of these materials are generally not detectable. 2) The Transducers have a scanning limit to existing structures: The 1000 Mhz is 6" within an existing structure. The 500 Mhz is 1' within an existing structure. The 300 Mhz is 3' within an existing structure.

Discussion of Findings: Note, No underground anomalies were detected at any of the seven staked well sites.

Reference: FSS Practice 134.500.0301

Query HWIS again

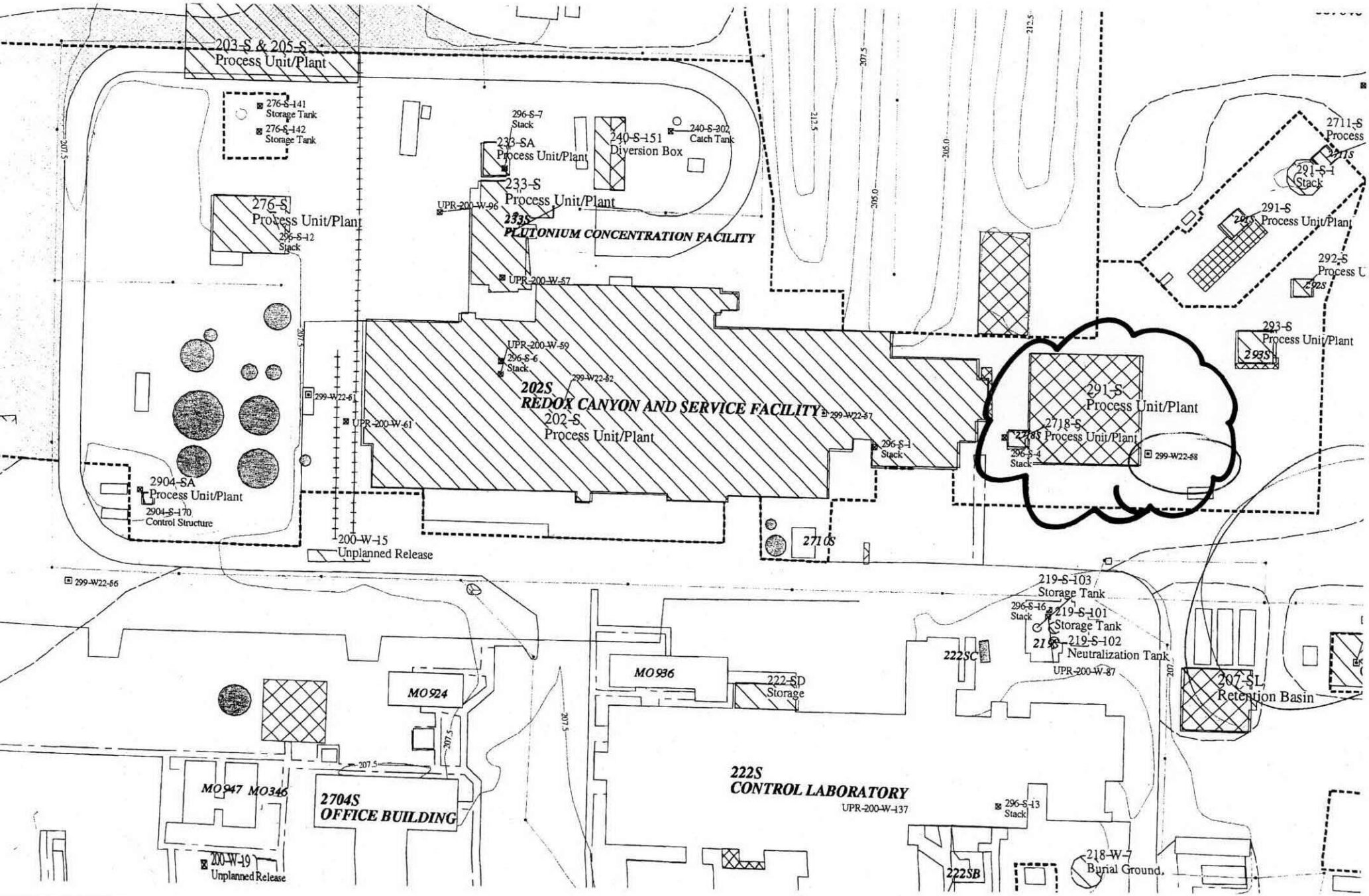
HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A7865	299-W22-58	12/31/1948		30	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A7865	299-W22-58	UNKNOWN	NAD83	01/01/1801	CONVERTED	133963.483	567495.831	m


203-S & 205-S
Process Unit/Plant
276-S-141
Storage Tank
276-S-142
Storage Tank
276-S
Process Unit/Plant
296-S-12
Stack
296-S-7
Stack
233-SA
Process Unit/Plant
240-S-151
Diversion Box
240-S-302
Catch Tank
233-S
Process Unit/Plant
UPR-200-W-96
233S
PLUTONIUM CONCENTRATION FACILITY
UPR-200-W-57
UPR-200-W-59
296-S-6
Stack
299-W22-52
202S
REDOX CANYON AND SERVICE FACILITY
202-S
Process Unit/Plant
299-W22-51
UPR-200-W-61
299-W22-57
296-S-1
Stack
291-S
Process Unit/Plant
2718-S
Process Unit/Plant
296-S-4
Stack
299-W22-58
2711-S
Process
291-S-1
Stack
291-S
Process Unit/Plant
292-S
Process U
293-S
Process Unit/Plant
2904-SA
Process Unit/Plant
2904-S-170
Control Structure
200-W-15
Unplanned Release
271OS
299-W22-56
219-S-103
Storage Tank
296-S-16
Stack
219-S-101
Storage Tank
219-S-102
Neutralization Tank
UPR-200-W-87
222SC
222-SD
Storage
MO936
MO924
207-SL
Retention Basin
MO947 MO346
2704S
OFFICE BUILDING
222S
CONTROL LABORATORY
UPR-200-W-137
296-S-13
Stack
200-W-19
Unplanned Release
222SB
218-W-7
Burial Ground.

299-W22 58

DRILLING LOG

PROJECT NO. -10156

g No. HO-22-3129

ll No. Redox test hole # 8 ~N 34,450

iller Roy ~W 73,500

roman Russell

Date 12-29-48

Shift #2

Depth beginning of Shift 0

Depth completion of Shift 30'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					8:43 to 9:00	Safety meeting
					9:00 to 9:30	Driving to well site
					9:30 to 11:30	Rigging up
1:30 to 11:45	5'			Top soil, sand and silt		
1:45 to 12:00	10'			Top soil, sand and silt		
					12:00 to 12:30	Lunch
2:30 to 1:00	15'			Sand, silt and very little gravel		
:00 to 1:30	20'			Sand, silt and very little gravel		
					1:30 to 2:00	Welding 15' & 8'7" pipes. Total 23'7".
:00 to 2:20	25'			Sand, silt and very little gravel		
:20 to 2:45	30'			Sand and silt		
					2:45 to 3:15	Welding 8' pipe. Total 31'7".
					3:15 to 3:40	Cleaning up
					3:40 to 4:18	Dressing out and driving to yard

REMARKS

HOLE COMPLETE

to 12' top soil, sand and silt.

2' to 18' some gravel with sand and silt.

3' to 30' sand and silt.

his formation will cave under pipe. Drills easy.

ole completed at 3:40 p.m. December 29, 1948. 31'7" pipe over hole. Pipe on bottom at 30'.

299-W23-230
A8056

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	**A8056**			**NORTHING**	
WELL NAME	**299-W23-230**	**CONST DATE**		**EASTING**	
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 ☐ 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

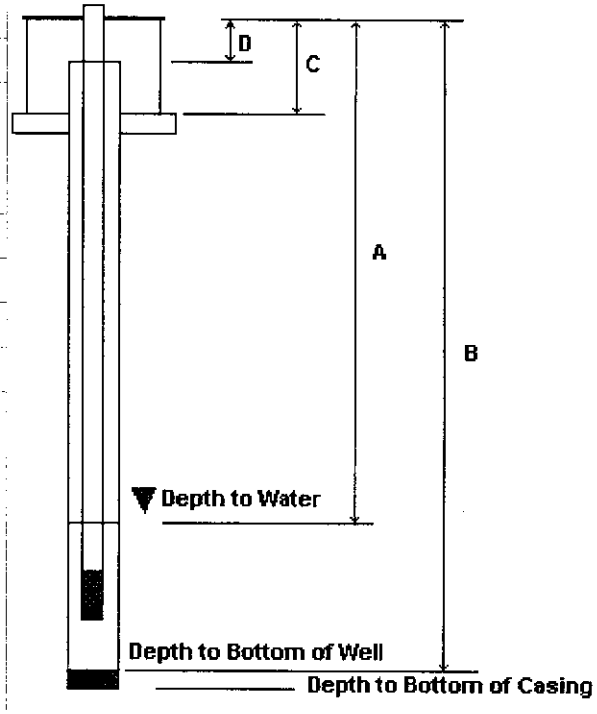
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8056			NORTHING	
WELL NAME	299-W23-230	CONST DATE		EASTING	
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

COORDINATES given to SURVEY CREW
07/07/06 - WAITING FOR SCAN & SURVEY REPORT

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8056			NORTHING	
WELL NAME	299-W23-230	CONST DATE		EASTING	
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 ☐ 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	

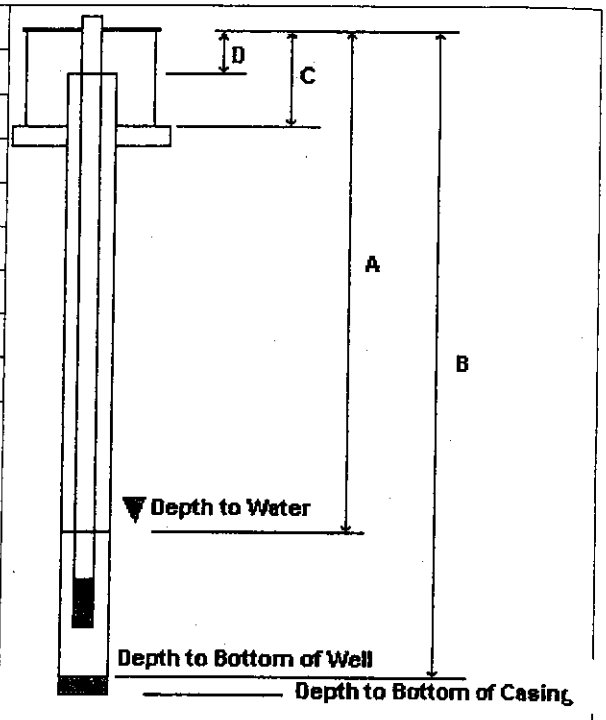
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8056			NORTHING	
WELL NAME	299-W23-230	CONST DATE		EASTING	
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

12/29/2004

Query HWIS again

WIS Interface - Survey Information - Horizontal

VELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIEF
8056	299-W23-230	UNKNOWN	NAD83(91)	12/09/1983	UNKNOWN	134585.53	566549.69	m	M

SURVEY DATA REPORT				Request No. 063-373
Project No.	Title: Well Decommissioning Program / A8056 (299-W23-230)			File No. 2WT12R25
Job No. 65400891.1193120 CA10	Prepared By S. Wray	Date 7/05/06	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Investigate location of Well A8056 (299-W23-230) at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	J.D. Davis	1		
	R.L. Biggerstaff	1		
	G.G. Kelty	1		
	T. Hottell	1		
	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8056	N 134585.53, E 566549.69	No evidence of Well visible. Set hub and lath at given coordinates.

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.: 064-389		
Project No.: NA	Title: WELL DECOMMISSIONING SCAN A7862, A7871, A8056	File No. : S2WA-018
Job No.: 65400801.1193120/CA10	Prepared by: S. Wray	Date: 7/17/06
Reviewer: JC Wolff, John Wolff 7-18-06	Page 1 of 1	

DESCRIPTION OF WORK:

Perform ground scan at above staked well locations.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
E. C. Rafuse	1		
B. Howard	1		
J. Davis	1		
D. Biggerstaff	1		
G. Kelty	1		

DATE OF FIELD INVESTIGATION: 7/17/06

Weather: Temp 85°F Wind 5 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☐ Dry

Depth of Investigation 6 feet

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

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

Documentation Provided: None

Limits of Investigation: 20 ft square area around each well location.

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 UG objects detected at any locations.

SCAN DATA REPORT

Request No.: 063-383

Project No.:

Title: 300 AREA- DPT HOLES GROUND SCANS 15 STAKED LOCATIONS

File No. : S3A-0011

Job No.: 65400801.1222460* homex-CA10

Prepared by: Rand Taylor

Date: 7/10/06

Reviewer: JC Wolff 7-12-06

Page 1 of 2

DESCRIPTION OF WORK:

Performed a 10' radius scan at fifteen DPT staked locations at the 300 Area.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
C.R.Webb	1	1	
C.Wright	1	1	
B.Howard	1	1	
G.Kelty	1	1	
D.Biggerstaff	1	1	
J.Davis	1	1	

DATE OF FIELD INVESTIGATION: 7/10/06

Weather: Temp 80°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 8 feet

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

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

Documentation Provided: H-3-34224 & M-3904.

Limits of Investigation: Performed a 10' radius scan at fifteen staked DPT locations at the 300 Area

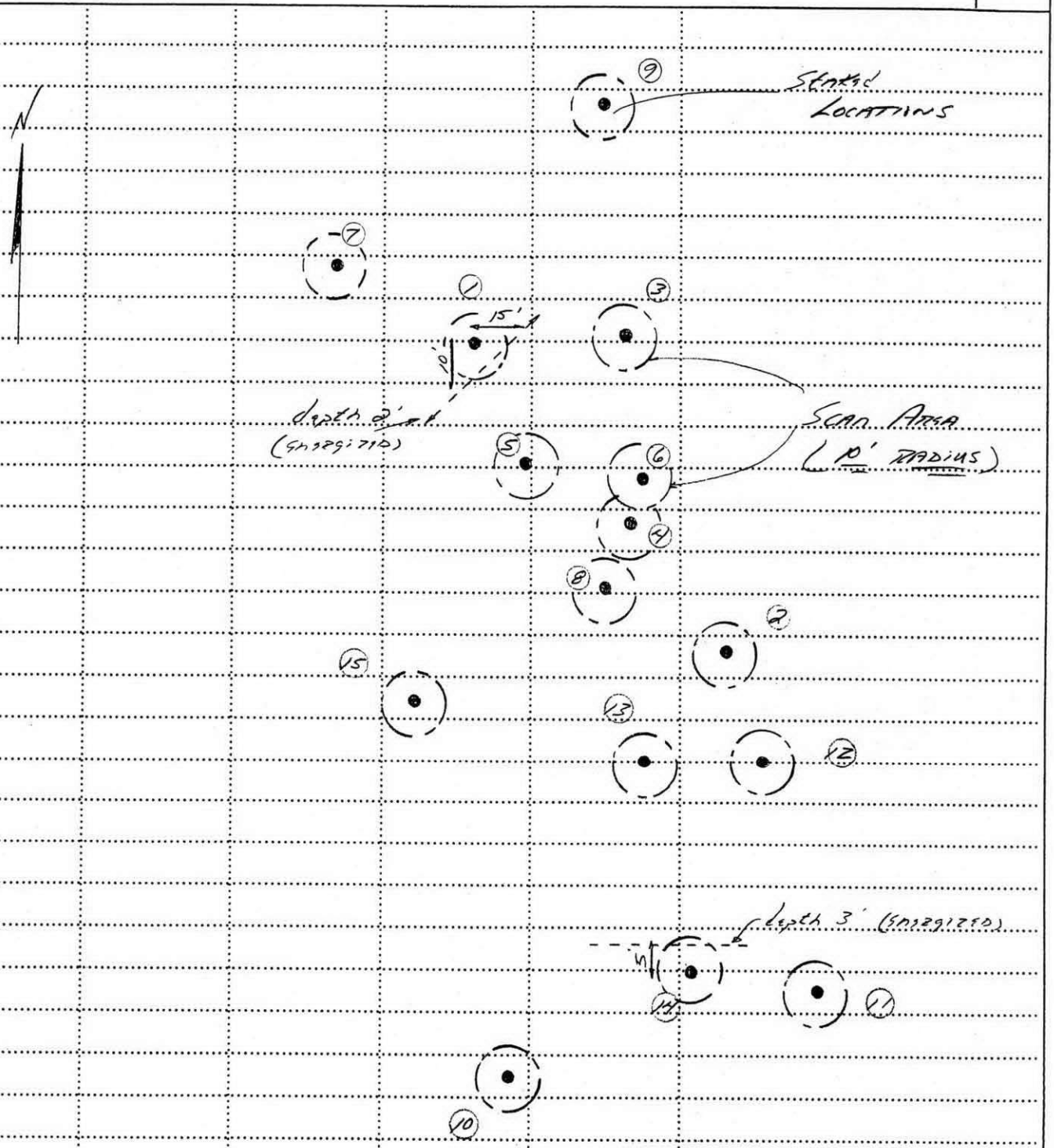
EQUIPMENT LIMITATIONS:

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, Locations 1# & 14# did have underground obstructions in the scan area. (Shown on Sketch)

Note, 2#, 3#, 4#, 5# 6#, 7#. 8#, 9#, 10#, 11#, 12#, 13# & 15# were all clear of underground obstructions.

	FIELD SURVEY NOTES	Date 7-10-06	
		File No. S3A-001	
Title 300 AREA - DPT Holes - Ground Scans		Req. No. 063-383	
Crew Taylor / Wolff		Weather Sun	
Inst. Smart Cart solo rf		Temp. 85°	Bar. PPM



Rafuse, Edward C

From: Biggerstaff, Dick L
Sent: Thursday, July 06, 2006 2:25 PM
To: Rafuse, Edward C
Cc: Davis, Jerry D; Howard, Bonnie J; Worley, Scott H
Subject: well info
Importance: High

Ed--in order to finalize the 90+ well decommissioning package for FY07 I need some additional data on some wells and I need full blown WAR's on a number of others. I need full WAR's on: 299-W10-170, W11-52, W15-101 (inside building 216-29A), W18-75, W18-156 (under PFP fence), W18-243, W19-20, W19-77, W22-52, 55, 57, 59, & 64, W23-230. I need only casing size and wall thickness on the following wells: 299-W11-44, 299-W14-54, 55, & 62, W22-61 & 63. Your expert help would be greatly appreciated!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

299-W11-52 } located in 2025 BLDG. REDOX
299-W11-57 }

299-W11-52 - SOUTH OF "T" PLANT ALONG 230th St. - SCAN & SURVEY COMPLETED.

-W23-230 WAITING FOR SURVEY & SCAN DATA

299-W18-243 NO COORDINATES , E 566361.398 N 135404.947

299-W11-44 ~~NO COORDINATES~~ 567429.39, 136751.61

299-W14-54 6" CSG -250

299-W14-55 6" CSG -325

299-W14-62 8 5/8" CSG -340

299-W22-61 6" W/ WELDED FLANGE

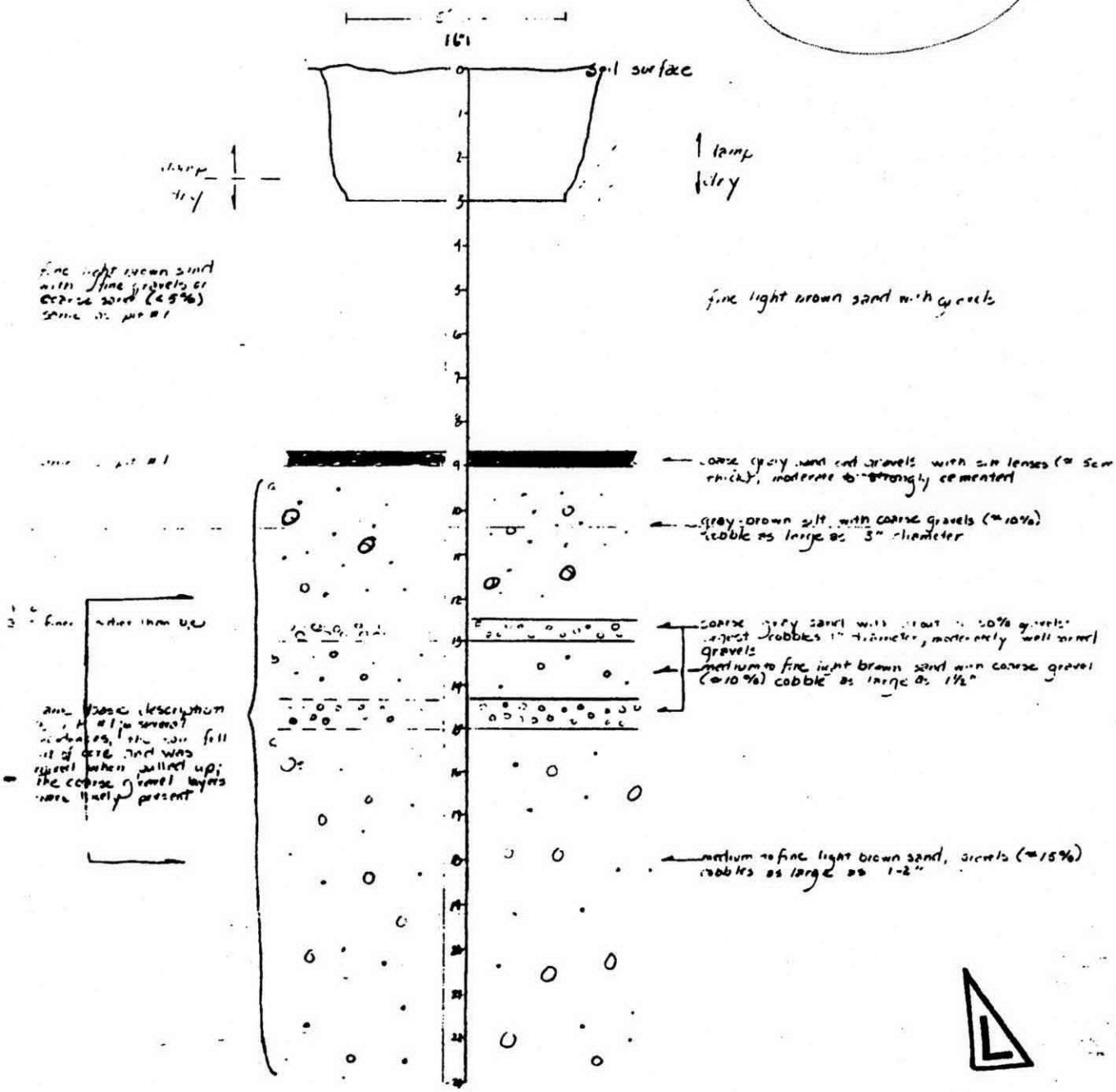
299-W22-63 6" W/ WELDED FLANGE

Best Available Copy

216-U-10 POND REPLACEMENT

295-W23-231
PERC PIT 2

295-W23-230
PERC PIT 1



Well Number 299-W23-230
Former Designation Perk Pit #1
Computer Number

SURVEY DATA

Coordinates N36500
W26600
Casing Elevation
Date Surveyed

COMPLETION DATA

Completion Depth 20'
Static Water Depth
Date Drilled 12-8-83 to 12-9-83
Date Modified to
Date Destroyed

DRILL METHOD

- Air Rotary ☐
- Mud Rotary ☐
- Cable Tool ☑
- Auger ☐
- Core ☐

Other

CASING DEPTH

4"		
6"	0	20'
8"		
10"		
None		

PERFORATION

Type

Depths	Schedule

SCREEN

Type
Length
Slot Size
Depths

GROUT

Interval	Volume

ROCK SAMPLES

Interval
Analyses
Logged by
Data Custodian
Storage Location

WATER SAMPLES

Interval
Analyses
Data Custodian

WELL PURPOSE

Percolation test well

COMMENTS

U-Pond Perk Pit test wells.

WELL CUSTODIAN

Name G. L. Wagenaar
Section Earth Sciences Group
Department EA&M Rockwell

DRIL. OG	BY Evans	RIG 681K	WELL NUM ~~99-023-230~~ U. D Perk RT#7	COMPUTER NUMBER	PROJECT OR W ER NO. CT 45 3
	DATE 12-18-83	43 18	DEPTH TO		SUBCONTRACT NO. J&J 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				#1 — 4 hr		
				#6 — 4 hr		
						4hr

REMARKS:

A-6000-021 (1-74)

D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ____STANDING WATER

DRIL G

BY: Evans
DATE: 12-9-89
RIG: 6811
HR: 18
WELL NUMBER: 1 Perk Pit 1
DEPTH: 0 TO 23'
COMPUTER NUMBER:
PROJECT OR WORK ORDER NO.: CT
SUBCONTRACT: JAJ 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
7'				0' To 7' 60% FS 20% MS 10% CS angular		
7'				Brown, gray 10% SILT: Brown		
7'						
21' of 6" pipe						
	2	D	damp			
	4	D	damp	# 1 – 8 hr.		
	6	D	Dry	# 6 – 8 hr.		
	8	D	Dry	# 9 – 21'		
	10	D	Dry			
	12	D	Dry			
	14	D	Dry			
	16	D	Dry			
	17	D	Dry			
	19	D	Dry			
	20	D	Dry			
	23	D	Dry			
			Dry			
						8 hr.

REMARKS:

A-6000-021 (1-,4)

D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ___ STANDING WATER

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A8056, Well Name: 299-W23-230					
A8056		DLG		DRILL LOG (KEH)	
A8056		DLG	1983-12-08 00:00:00	DRILL LOG (KEH)	
A8056		LTR	2000-07-13 00:00:00	VARIANCE ISRM PUMP USAGE	
A8056		DPF	2001-11-06 00:00:00	WAC 173-160 CLARIFICATION FOR PUMP INSTALLATION [REQUIRE A LICENSED DRILLER]	

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A8056, Well Name: 299-W23-230					
A8056	-- No information available --				

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
A8056	299-W23-230	01/01/1801					

699-2-33AR
A9606

WELL ATTRIBUTES REPORT

WELL ID	A9606	**NORTHING**	124130.548	**FIELD ORDER NO**	
WELL NAME	699-2-33AR	**EASTING**	580097.569	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5079	**ELEVATION**	164.623	**CONST DATE**	8/28/1963
OW OPERABLE UNIT	200-PO-1	**DRILL DATE**	10/3/1958	**CONST DEPTH**	263

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

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 ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	261	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A9606	**NORTHING**	124130.548	**FIELD ORDER NO**	
WELL NAME	699-2-33AR	**EASTING**	580097.569	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5079	**ELEVATION**	164.623	**CONST DATE**	8/28/1963
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**	10/3/1958	**CONST DEPTH**	263

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

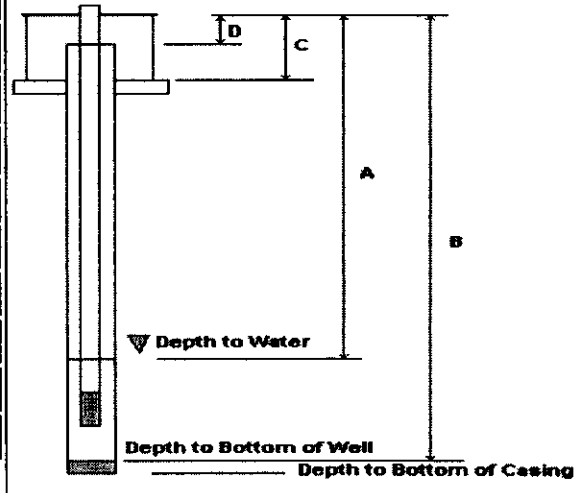
PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

Well ID A9606
Well Name 699-2-33AR
Inspection ID: 14414
Inspection Date: 03/12/2007

INSPECTION INFORMATION		PUMP INFORMATION	
Well Pad	☐ Yes ☑ No ☐ ND*	Pump Activity Performed	
Brass Survey Marker	☐ Yes ☑ No ☐ ND*	Activity Performed By	ND*
Marker Stamped w/Survey Data	☐ Yes ☑ No ☐ ND*	Date Activity Performed	
Marker Stamped w/Well ID Data	☐ Yes ☐ No ☑ ND*	Pump Tested	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well ID	☐ Yes ☑ No ☐ ND*	New Pump	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well Name	☐ Yes ☑ No ☐ ND*	Pump Type	ND*
Protective Posts	☐ Yes ☑ No ☐ ND*	Pump Make	ND*
Removable Posts in Place	☐ Yes ☑ No ☐ ND*	Pump Model	ND*
Well Lock	☐ Yes ☑ No ☐ ND*	Pump Intake Depth (ft)	
Well Damaged	☐ Yes ☑ No ☐ ND*	**TUBING INFORMATION**	
Well is Dry	☐ Yes ☑ No ☐ ND*	Tubing Size (in)	
Parted Casing	☐ Yes ☑ No ☐ ND*	Tubing Material	ND*
Bentonite in Well	☐ Yes ☑ No ☐ ND*	Tubing Length	
Well Sanded In	☐ Yes ☑ No ☐ ND*	Tubing Connection	ND*
Collapsed Casing	☐ Yes ☑ No ☐ ND*		
Equipment in Well	☐ Yes ☑ No ☐ ND*		
Debris in Well	☐ Yes ☑ No ☐ ND*		
Surface Erosion	☐ Yes ☐ No ☑ ND*		
MEASUREMENT INFORMATION			
A Depth to Water (ft)	132.9		
Depth To Water Date	03/12/2007		
B Depth to Bottom (ft)	179.6		
Depth to Bottom Date	03/12/2007		
C Stick Up (ft)	1.2		
D Reference Mark (ft)			
Reference Mark in TOC	☐ Yes ☐ No ☑ ND*	ND* - Not Documented	



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
699-2-33A		1813.00	536.37	466.0	P	8.0	130.0	450.0	PLUG AT 180 FT; PIEZOMETERS RE
GW		-32823.00	8.0	180.0					MOVED 12/75
S			10/58	165.0					699-2-33
699-2-33AO		1813.00	536.64		P	1.5	140.0	160.0	REMOVED IN 1975
				160.0	P	8.0	130.0	450.0	
				141.7					
					P	1.5	350.0	370.0	REMOVED IN 1975
				370.0	P	8.0	130.0	450.0	
				139.5					
					P	1.5	300.0	320.0	REMOVED IN 1975
				320.0	P	8.0	130.0	450.0	
				140.0					
699-2-33AR		1813.00	536.65		P	1.5	243.0	263.0	REMOVED IN 1975
AB		-32823.00	1.5	263.0	P	8.0	130.0	450.0	
			8/63						
699-2-33B				450.0					PLUG AT 270, PIEZOMETERS
GW			8.0						
			7/77	152.0					
699-2-33BP			536.00	445.0	P	1.5	440.0	445.0	60 SLOT SCREEN
GW			1.5	445.0					
			8/63						
699-2-33BQ			536.00	450.0	P	1.5	335.0	340.0	60 SLOT SCREEN
GW			1.5	340.0					
			7/77						
699-3-45		3007.00	504.54	175.0	P	8.0	90.0	100.0	PLUG AT 134
GW		-45007.00	8.0	134.0	P	8.0	100.0	128.0	
B			11/62	107.0					
699-4-E16		5875.00	369.40	110.0					
VW		15500.00							
			5/71						
699-4-E6			500.00	95.0					SCREEN 66-86 FT.
GW			8.0	91.0					
S			9/76						
699-4-1		3600.00	465.50	107.0					
SW		-1400.00							
			12/74						1A-SP-3

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

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A9606	699-2-33AR	USACE(JECA)	NAD83(91)	09/30/1994	UNKNOWN	124130.548	580097.569	m

SURVEY DATA REPORT

Request No. 072-163				
Project No. NA	Title: Well Decommissioning Well A9606			File No. 6AT12R27
Job No. 65400811.1225400 CA10	Prepared By S. Wray	Date 3/12/07	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Search location of Well A9606 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	Given Coordinates	Description
A9606	N 124130.55, E 580097.57	Coordinates fall on existing Well marked A5079, 2-33. QMAP has this well at same coordinate location and A9606 as a hosted piezometer. Existing Well A8123 is located N 00 45' 54" W at a distance of 4.51 meters. See attached WAR

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

E-NW-246 (09/04)

This information is PROPRIETARY and is provided solely for use in conjunction with work managed and controlled by Fluor Federal Services.

699-2-33 (A5079) is host well.

Query HWIS again

HWIS Interface - Well History Information - Current Status

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A9606	699-2-33AR	DECOMMISSIONED-V	06/18/2007	FY 2007 Admin Decomm FY07 SURVEY DATA REPORT: Coordinates fall on existing well marked A5079, 2-33. QMAP has this well at same coordinate location and A9606 as hosted piezometer. Existing well A8123 is located N 00 45' 54" W at a distance of 4.

699-8-E3A
A8157

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8157			**NORTHING**	125822.761
WELL NAME	699-8-E3A	**CONST DATE**		**EASTING**	590537.899
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	130.526

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

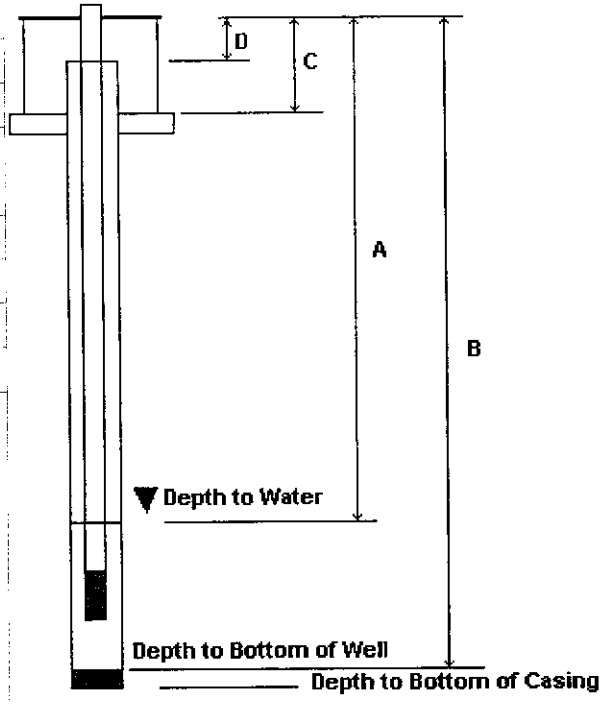
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8157			NORTHING	125822.761
WELL NAME	699-8-E3A	CONST DATE		EASTING	590537.899
HOST WELL ID		CONST DEPTH		ELEVATION	130.526

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

SEE photo & Survey Report - WELL Decommissioned
ECW 05/25/07

WELL ATTRIBUTES REPORT

FIELD NO				LAST INSPECTION	1/1/1801
WELL NAME	A8157			NORTHING	125822.761
WELL ID	699-8-E3A	CONST DATE		EASTING	590537.899
		CONST DEPTH		ELEVATION	130.526

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	

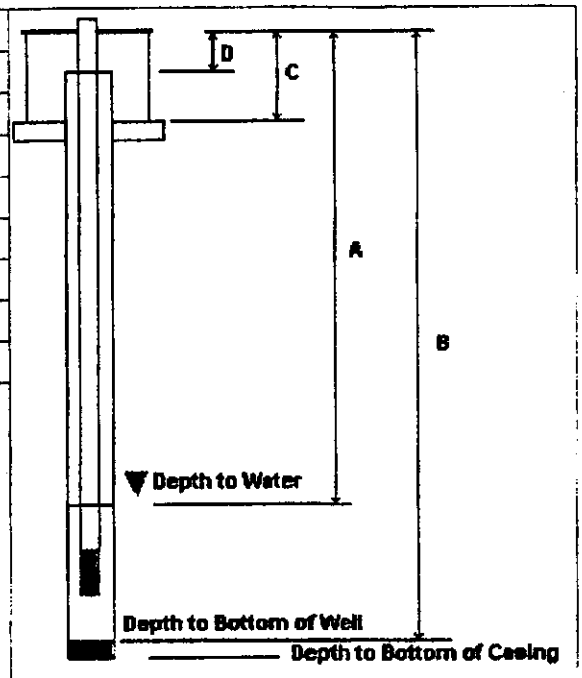
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	AB157			NORTHING	125822.761
WELL NAME	699-8-E3A	CONST DATE		EASTING	590537.899
HOST WELL ID		CONST DEPTH		ELEVATION	130.526

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

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
699-6-2C		5850.00	459.20	108.0					
SW		-2150.00	12/74						1A-SP-5
699-6-6		5600.00	479.77	104.0					
SW		-6300.00	12/74	91.0					B-SP-1
699-7-E6		7490.00	435.70	99.0					
SW		5560.00	12/74						1C-SP-4
699-7-E2		7400.00	422.46	58.0					
SW		2100.00	12/74	50.0					R2-SP-1
699-7-E1A		6800.00	421.40	71.0					
SW		500.00	12/74						1B-SP-7
699-7-E1B		7000.00	421.50	75.0					
									1B-SP-8
				108.0					
									1A-SP-6
				86.0					
									B-SP-2
699-8-E3A		7550.00	424.80	82.0					
SW		2000.00	12/74						1B-SP-10
699-8-E3B		8100.00	425.50	83.0					
SW		3100.00	12/74						1B-SP-12
699-8-E3C		7750.00	421.00	90.0					
SW		2614.00	12/74						1B-SP-11A
699-8-E2A		7550.00	414.80	68.0					
SW		2000.00							1B-SP-10

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

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A8157	699-8-E3A	12/31/1974		82	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A8157	699-8-E3A	UNKNOWN	NAD83	01/01/1801	CONVERTED	125822.761	590537.899	m

SURVEY DATA REPORT

				Request No. 073-270
Project No. N/A	Title: Well Decommissioning A8157 / 699-8-E 3A			File No. 6AT11R28
Job No. 65400811.1225400	Prepared By Tim Johnson	Date 5/31/2007	Reviewer Larry Henke	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for A8157. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
Coordinate System: US State Plane 1983	B. Howard	1		
Zone: Washington South 4602	C. Wright	1		
Project Datum: NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum: NAVD 1988	E. Rafuse	1		
Geoid Model: Geoid03	W.D. Webber	1		
Units: Meters				

SURVEY RESULTS AND COMMENTS

Well ID# A8157 was not found at provided coordinates: N1265822.76 E590537.90

Set hub with stake chaser and lath.

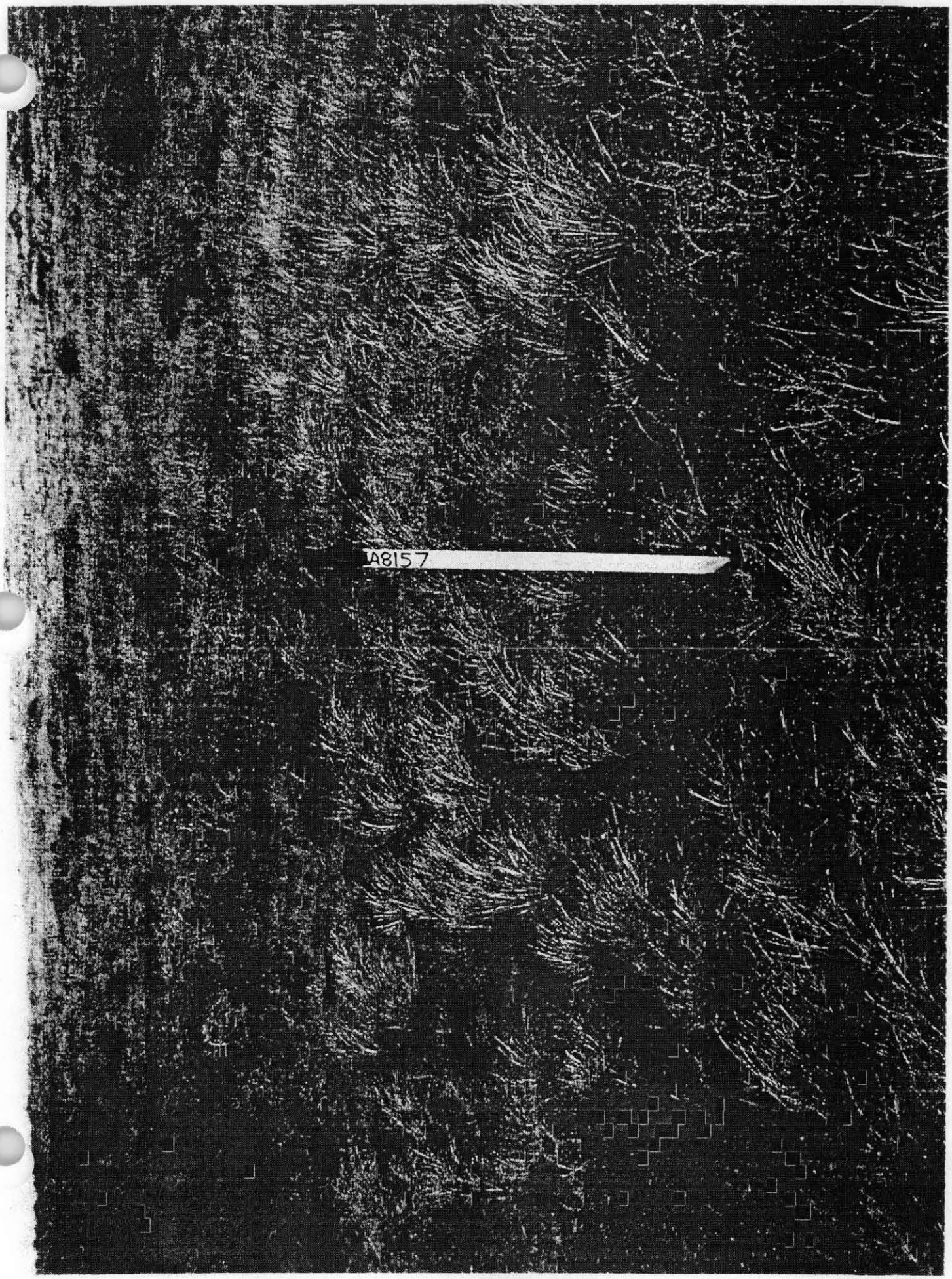
Equipment Used: Trimble 5800 GPS Receiver, RTK

See Photo

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

E-NW-246 (09/04)

This information is PROPRIETARY and is provided solely for use in conjunction with work managed and controlled by Fluor Federal Services.


A8157

Query HWIS again

HWIS Interface - Well History Information - Current Status

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8157	699-8-E3A	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

0533701

Well Attributes Report

Non-Routine Maint.

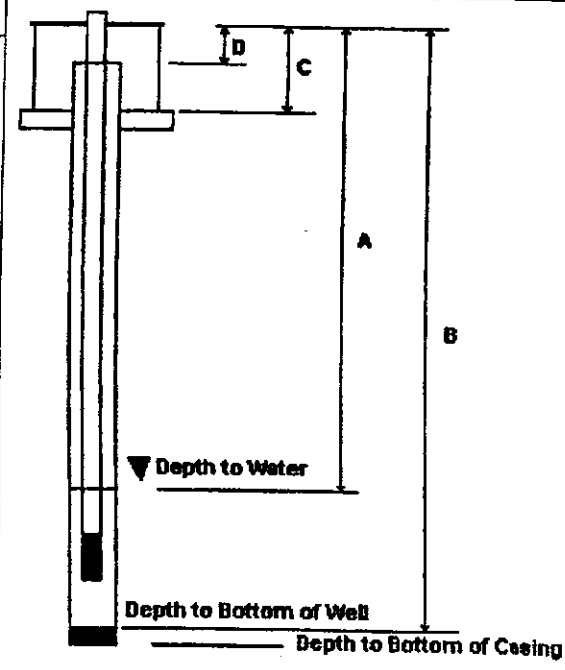
WELL ID:	A 8157	PIEZOMETER:	NA	Well Location:	Difficult to Locate, will Send out GPS Surveyor
WELL NAME:	699-8-E3A	WELL PURPOSE:	NA		
CONST. DATE:	NA	COMPLIANCE:	UK		
DRILL DATE:	NA	INSPECTION REPORTED BY:	RL Jones		
DRILL DEPTH:	NA	DATE OF LAST INSPECTION:	~~NA~~ 1/11/01		
HORIZONTAL REF POINT:	NA	VERTICAL REF POINT:	~~8/5/01~~ NA	Access Restrictions:	
NORTHING:	NA	ELEVATION:	NA		
EASTING:	NA	ELEVATION:	NA		

LAST INSPECTED ATTRIBUTES		CURRENT INSPECTED ATTRIBUTES	
WELL PAD?	☐ Yes ☐ No ☐ Not Documented	WELL PAD?	☐ Yes ☐ No
BRASS SURVEY MARKER?	☐ Yes ☐ No ☐ Not Documented	BRASS SURVEY MARKER?	☐ Yes ☐ No
MARKER STAMPED WITH SURVEY DATA?	☐ Yes ☐ No ☐ Not Documented	MARKER STAMPED WITH SURVEY DATA?	☐ Yes ☐ No
MARKER STAMPED WITH WELL ID DATA?	☐ Yes ☐ No ☐ Not Documented	MARKER STAMPED WITH WELL ID DATA?	☐ Yes ☐ No
WELL LABELED WITH WELL ID?	☐ Yes ☐ No ☐ Not Documented	WELL LABELED WITH WELL ID?	☐ Yes ☐ No
WELL LABELED WITH WELL NAME?	N ☐ Yes A ☐ No ☐ Not Documented	WELL LABELED WITH WELL NAME?	☐ Yes ☐ No
PROTECTIVE POSTS?	☐ Yes ☐ No ☐ Not Documented	PROTECTIVE POSTS?	☐ Yes ☐ No
PROTECTIVE POSTS IN PLACE?	☐ Yes ☐ No ☐ Not Documented	PROTECTIVE POSTS IN PLACE?	☐ Yes ☐ No
WELL LOCK?	☐ Yes ☐ No ☐ Not Documented	WELL LOCK?	☐ Yes ☐ No
WELL DAMAGED?	☐ Yes ☐ No ☐ Not Documented	WELL DAMAGED?	☐ Yes ☐ No
SURFACE EROSION?	☐ None ☐ Major ☐ Minor ☐ Not Documented	SURFACE EROSION?	☐ None ☐ Major ☐ Minor ☐ Not Documented

Measurements	Last	Current
A Depth to water:		A
Depth to water date:		
B Depth to bottom:		B
Depth to bottom date:	N A	
C Ground Surface Marker:		C
D Reference Mark:		D

Pump Information	Last	Current
Pump Type:		
Pump Make:		
Pump Model:		
Electric:	N	N
Pump Intake Depth:		
Pump Installed by:	A	A
Date Installed:		
Was the pump tested?		

Tubing Information	Last	Current
Tubing Type:		
Tubing Size:		
Tubing Material:	N A	N A
Tubing Length:		



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:

ND -- Not Documented

SGI-EE-221 (06/22/2000)

Well Attributes Report

WELL ID:	A 8157	PIEZOMETER:	NA	Well Comment:
WELL NAME:	L99-8-E3A	WELL PURPOSE:	UK	
CONST. DATE:	NA	COMPLIANCE:	UK	
DRILL DATE:	NA	INSPECTION REPORTED BY:	R. L. Jones	
DRILL DEPTH:	NA	DATE OF LAST INSPECTION:	NA	

Casing

Last Recorded

TOP	BOTTOM	MATERIAL	TYPE	SIZE
No Casing Data				

Record any changes

SIZE	MATERIAL	TYPE	DEPTH (ft) TOP	DEPTH (ft) BOTTOM

Screens

TOP	BOTTOM	MATERIAL	DIAM.	SLOT SZ.
No Screen Data				

Perforation

TOP	BOTTOM	CASING SZ.	CUTS
No Perforation Data			

ND -- Not Documented

BHI-EE-231 (06/22/2000)

Material (8)	Thickness	Depth
Sand brown	(veneer)	
Sand, variegated gray & white, fine to medium sand, basalt & quartz grains	70	70
Sand & gravel, gray sand, variegated gravels, fine to coarse sand, predominantly basalt grains, some fines, gravel (Driller's comment: cemented gravel)	37	107

699-7-E6 (1C-SP-4)
Location: ~N7490, E5560 11/28-9A2
Surface Elevation: 435.70
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand; variegated gray & white, fine to medium sand, basalt & quartz grains	69	69
Sand & gravel; gray, fine to coarse sand, basalt & quartz grains, basaltic gravel		
Sand & gravel; brown, fine to medium sand predominantly quartz grains, gravel	30	99

699-7-E2 (1B-SP-9)
Location: ~N7400, E1550 11/28-9D1
Surface Elevation: 423.3
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, gray-brown, fine sand, basalt grains	20	20
Sand & gravel, gray, fine to coarse sand, basaltic, some fine to coarse gravel	50	70

699-7-E1A (1B-SP-7)
Location: N6800, E500 11/28-8A1
Surface Location: 421.4
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness
Sand, gray, fine to medium sand, basalt grains	30
Sand & gravel, light brown, fine sand & some silt, minor gravel	
Sand & gravel, dark brown, fine sand fine to coarse gravel	
Sand & gravel, light brown, predominantly fine sand, some silt, fine gravel	41

699-7-E1B (1B-SP-8)
Location: N7000, E900 11/28-8A2
Surface Elevation: 421.5
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, dark brown, fine sand, some silt	45	45
Sand & gravel, dark brown, fine to medium sand, fine to coarse gravel	30	75

699-7-3 (1A-SP-6)
Location: N7000, W2500 11/28-8C1
Surface Elevation: 460.8
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, variegated brown & gray, fine to medium sand, some brown silt, basalt & quartz grains	66	66
Sand & gravel, gray sand, variegated gravels, fine to coarse sand, predominantly basalt grains, some fines, gravel . . .	9	75
Sand & gravel, brown fine to medium sand, quartz grains, gravel (Driller's comment: cemented gravel)	33	108

699-8-E3A (1B-SP-11)
Location: N7800, E2700 11/28-4P1
Surface Elevation: 424.8
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, gray	12	12
Sand & gravel	24	36
Sand, gray	5	41
Sand & gravel, dark grayish brown, fine to coarse sand, basaltic, some gravels	19	60
Sand & gravel, light gray, fine sand fine to coarse gravel . . .	22	82

A Catalog of Borehole Lithologic Logs from the 600 Area, Hanford Site
RHO-LD-158 Informal Report
K. R. Fecht and J. T. Lillie
March 1982
Prepared for U. S. Dept of Energy under Contract DE-AC06-77RL01030
Rockwell Hanford Operations

Sand & gravel brown, fine sand w/silt, fine to coarse gravel	20	82

699-8-E3B
A8158

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8158			**NORTHING**	125990.994
WELL NAME	699-8-E3B	**CONST DATE**		**EASTING**	590872.847
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	130.739

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

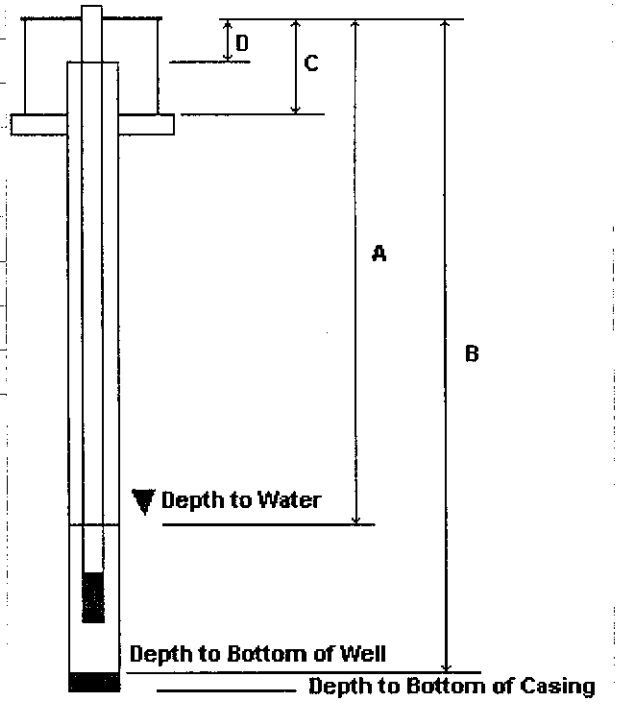
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8158			NORTHING	125990.994
WELL NAME	699-8-E3B	CONST DATE		EASTING	590872.847
HOST WELL ID		CONST DEPTH		ELEVATION	130.739

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

Northwest Energy

SEE SURVEY REPORT & PLATO - WELL DECOMMISSIONED
ECW 08/17/07

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8158			NORTHING	125990.994
WELL NAME	699-8-E3B	CONST DATE		EASTING	590872.847
HOST WELL ID		CONST DEPTH		ELEVATION	130.739

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	

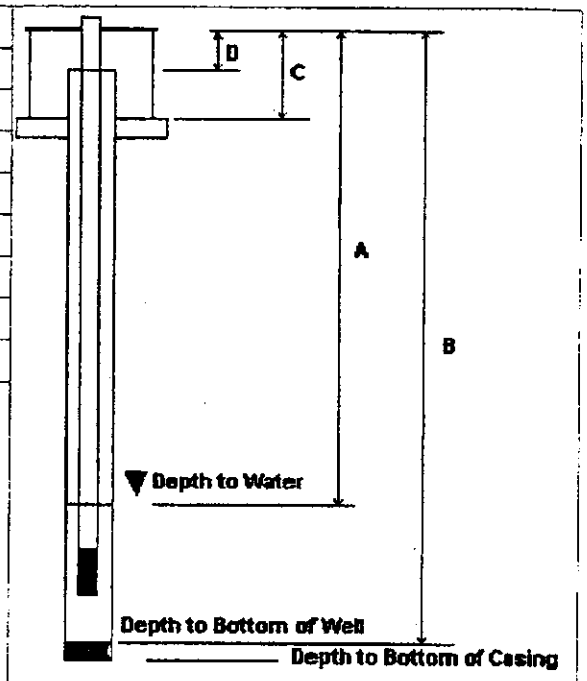
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8158			NORTHING	125990.994
WELL NAME	699-8-E3B	CONST DATE		EASTING	590872.847
HOST WELL ID		CONST DEPTH		ELEVATION	130.739

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

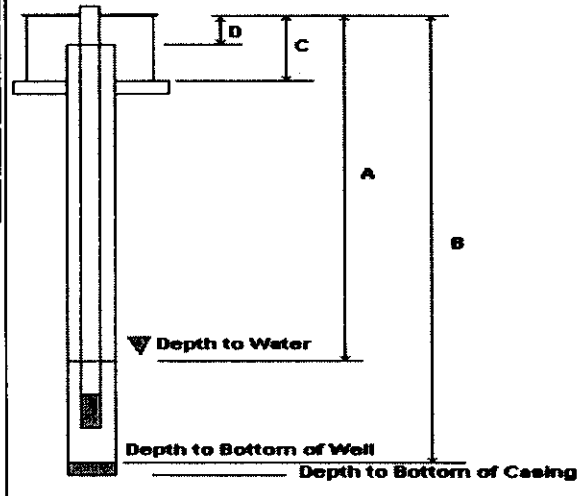
CHANGES

ND* - Not Documented

7/28/2006

Well ID A8158
Well Name 699-8-E3B
Inspection ID: 3523
Inspection Date: 01/01/1801

INSPECTION INFORMATION		PUMP INFORMATION	
Well Pad	☐ Yes ☐ No ☑ ND*	Pump Activity Performed	
Brass Survey Marker	☐ Yes ☐ No ☑ ND*	Activity Performed By	ND*
Marker Stamped w/Survey Data	☐ Yes ☐ No ☑ ND*	Date Activity Performed	
Marker Stamped w/Well ID Data	☐ Yes ☐ No ☑ ND*	Pump Tested	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well ID	☐ Yes ☐ No ☑ ND*	New Pump	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well Name	☐ Yes ☐ No ☑ ND*	Pump Type	ND*
Protective Posts	☐ Yes ☐ No ☑ ND*	Pump Make	ND*
Removable Posts in Place	☐ Yes ☐ No ☑ ND*	Pump Model	ND*
Well Lock	☐ Yes ☐ No ☑ ND*	Pump Intake Depth (ft)	
Well Damaged	☐ Yes ☐ No ☑ ND*	**TUBING INFORMATION**	
Well is Dry	☐ Yes ☐ No ☑ ND*	Tubing Size (in)	
Parted Casing	☐ Yes ☐ No ☑ ND*	Tubing Material	ND*
Bentonite in Well	☐ Yes ☐ No ☑ ND*	Tubing Length	
Well Sanded In	☐ Yes ☐ No ☑ ND*	Tubing Connection	ND*
Collapsed Casing	☐ Yes ☐ No ☑ ND*		
Equipment in Well	☐ Yes ☐ No ☑ ND*		
Debris in Well	☐ Yes ☐ No ☑ ND*		
Surface Erosion	☐ Yes ☐ No ☑ ND*		
MEASUREMENT INFORMATION			
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 in TOC	☐ Yes ☐ No ☑ ND*		



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
699-6-2C		5850.00	459.20	108.0					
SW		-2150.00							
			12/74						1A-SP-5
699-6-6		5600.00	479.77	104.0					
SW		-6300.00							
			12/74	91.0					B-SP-1
699-7-E6		7490.00	435.70	99.0					
SW		5560.00							
			12/74						1C-SP-4
699-7-E2		7400.00	422.46	58.0					
SW		2100.00							
			12/74	50.0					R2-SP-1
699-7-E1A		6800.00	421.40	71.0					
SW		500.00							
			12/74						1B-SP-7
699-7-E1B		7000.00	421.50	75.0					
SW		900.00							
			12/74						1B-SP-8
699-7-3		7000.00	460.80	108.0					
									1A-SP-6
				86.0					
									B-SP-2
				82.0					
									1B-SP-10
699-8-E3B		8100.00	425.50	83.0					
SW		3100.00							
			12/74						1B-SP-12
699-8-E3C		7750.00	421.00	90.0					
SW		2614.00							
			12/74						1B-SP-11A
699-8-E2A		7550.00	414.80	68.0					
SW		2000.00							
									1B-SP-10

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

A8158
RRB 3/2/05

699-8-E3B
CT? 12/1974

not to scale

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	SOURCE	DATE_OF_SOURCE
A8158	699-8-E3B	12/31/1974		83	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A8158	699-8-E3B	UNKNOWN	NAD83	01/01/1801	CONVERTED	125990.994	590872.847	m

SURVEY DATA REPORT

Request No. 073-270				
Project No. N/A	Title: Well Decommissioning A8158 /699-8-E3B			File No. 6AT11R28
Job No. 65400811.1225400	Prepared By Tim Johnson	Date 5/31/2007	Reviewer Larry Hanks	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for A8158. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
Coordinate System: US State Plane 1983	B. Howard	1		
Zone: Washington South 4602	C. Wright	1		
Project Datum: NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum: NAVD 1988	E. Rafuse	1		
Geoid Model: Geoid03	W.D. Webber	1		
Units: Meters				

SURVEY RESULTS AND COMMENTS

Well ID# A8158 was not found at provided coordinates: N125990.99 E590872.85

Set PK nail.

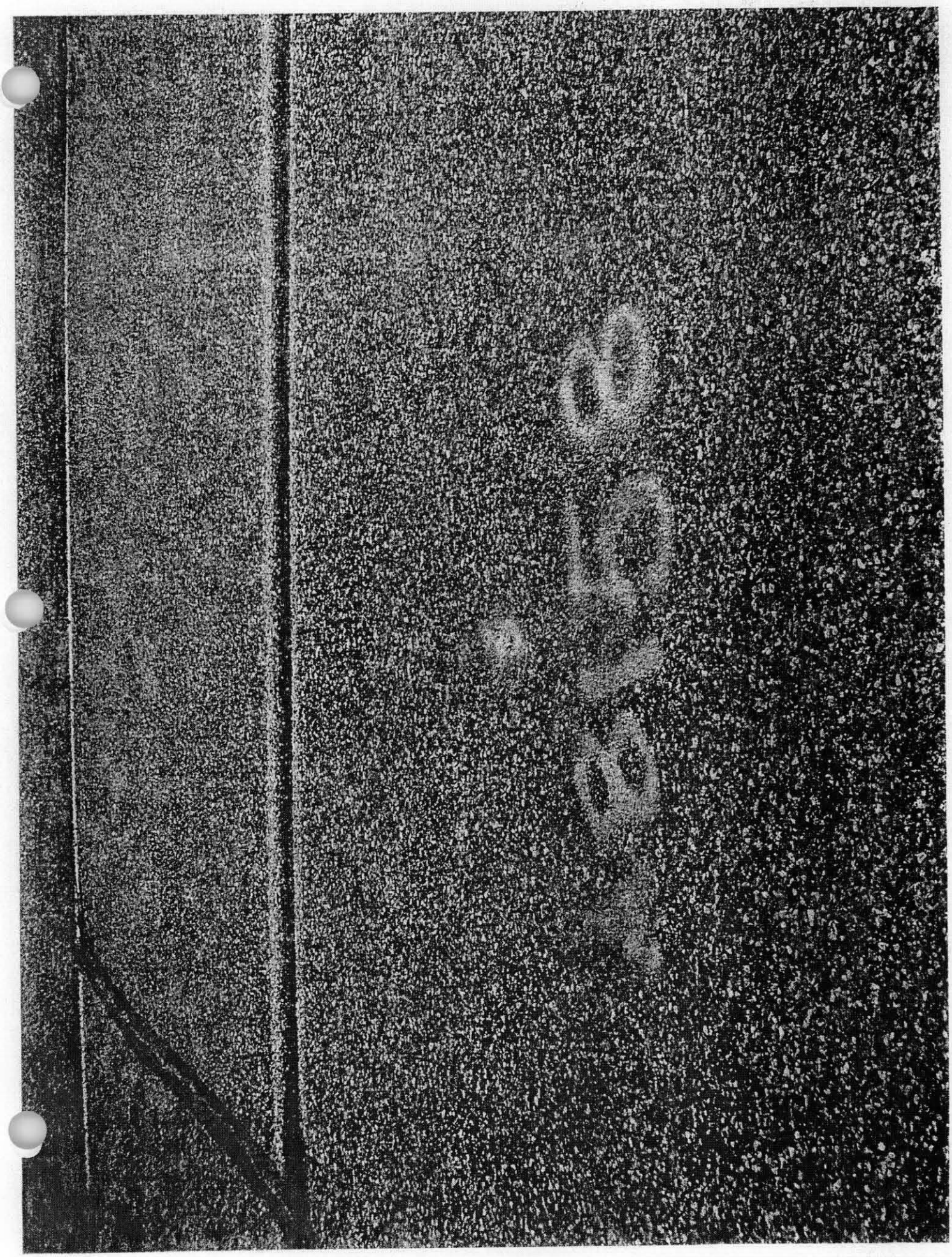
Equipment Used: Trimble 5800 GPS Receiver, RTK

See Photo

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

E-NW-246 (09/04)

This information is PROPRIETARY and is provided solely for use in conjunction with work managed and controlled by Fluor Federal Services.



Query HWIS again

HWIS Interface - Well History Information - Current Status

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8158	699-8-E3B	CANDIDATE FOR DECOMMISSIONING	05/09/2002	HWIS 2005 - ENW outside security fence/inside ENW property line WNP 1/4 need GPS

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMI
A8158	699-8-E3B	12/31/1974		83	ft	

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
A8158	699-8-E3B	12/31/1974		83	ft		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8158	699-8-E3B	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
A8158	699-8-E3B	-- No information available --		

Message

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

Material (8)	Thickness	Depth
Sand brown	(veneer)	
Sand, variegated gray & white, fine to medium sand, basalt & quartz grains	70	70
Sand & gravel, gray sand, variegated gravels, fine to coarse sand, predominantly basalt grains, some fines, gravel (Driller's comment: cemented gravel)	37	107

699-7-E6 (1C-SP-4)
Location: ~N7490, E5560 11/28-9A2
Surface Elevation: 435.70
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand; variegated gray & white, fine to medium sand, basalt & quartz grains	69	69
Sand & gravel; gray, fine to coarse sand, basalt & quartz grains, basaltic gravel		
Sand & gravel; brown, fine to medium sand predominantly quartz grains, gravel	30	99

699-7-E2 (1B-SP-9)
Location: ~N7400, E1550 11/28-9D1
Surface Elevation: 423.3
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand,		
bas		
Sand &		
coa		
fin		

A Catalog of Borehole Lithologic Logs from the 600 Area, Hanford Site
RHO-LD-158 Informal Report
K. R. Fecht and J. T. Lillie
March 1982
Prepared for U. S. Dept of Energy under Contract DE-AC06-77RL01030
Rockwell Hanford Operations

699-7-
Loc
Sur
Air
19

Material (8)	Thickness	Depth
Sand, gray, fine to medium sand, basalt grains	30	30
Sand & gravel, light brown, fine sand & some silt, minor gravel		
Sand & gravel, dark brown, fine sand fine to coarse gravel		
Sand & gravel, light brown, predominantly fine sand, some silt, fine gravel	41	71

699-7-E1B (1B-SP-8)
Location: N7000, E900 11/28-8A2
Surface Elevation: 421.5
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, dark brown, fine sand, some silt	45	45
Sand & gravel, dark brown, fine to medium sand, fine to coarse gravel	30	75

699-7-3 (1A-SP-6)
Location: N7000, W2500 11/28-8C1
Surface Elevation: 460.8
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, variegated brown & gray, fine to medium sand, some brown silt, basalt & quartz grains	66	66
Sand & gravel, gray sand, variegated gravels, fine to coarse sand, predominantly basalt grains, some fines, gravel . . .	9	75
Sand & gravel, brown fine to medium sand, quartz grains, gravel (Driller's comment: cemented gravel)	33	108

699-8-E3A (1B-SP-11)
Location: N7800, E2700 11/28-4P1
Surface Elevation: 424.8
Air rotary, logged by Fugro for WPPSS,

	Thickness	Depth
. . . . .	12	12
. . . . .	24	36
. . . . .	5	41
sn and,		
. . . . .	19	60
, fine vel . . .	22	82

699-8-E3B (1B-SP-12)
Location: N8100, E3100 11/28-4P2
Surface Elevation: 425.5
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, gray & white variegated, fine to medium sand, basalt grains	31	31
Gravel, basaltic	31	62
Sand & gravel brown, fine sand w/silt, fine to coarse gravel	20	82

699-9-E5A
A8164

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	**A8164**			**NORTHING**	126311.508
WELL NAME	**699-9-E5A**	**CONST DATE**	3/26/1974	**EASTING**	591485.474
HOST WELL ID		**CONST DEPTH**	886	**ELEVATION**	139.364

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

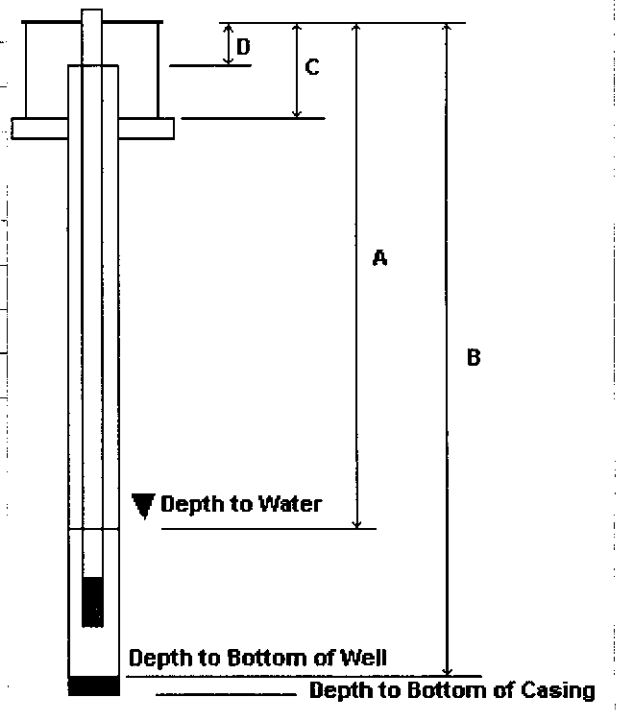
7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8164			**NORTHING**	126311.508
WELL NAME	699-9-E5A	**CONST DATE**	3/26/1974	**EASTING**	591485.474
HOST WELL ID		**CONST DEPTH**	886	**ELEVATION**	139.364

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
3	0	464	CARBON STEEL	INNER		
5	0	220	CARBON STEEL			
8	0	220	CARBON STEEL	OUTER		

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

NORTHWEST ENERGY

SEE SURVEY REPORT & PHOTO, WELL DECOMMISSIONED ECW 06/15/07

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8164			NORTHING	126311.508
WELL NAME	699-9-E5A	CONST DATE	3/26/1974	EASTING	591485.474
HOST WELL ID		CONST DEPTH	886	ELEVATION	139.364

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	

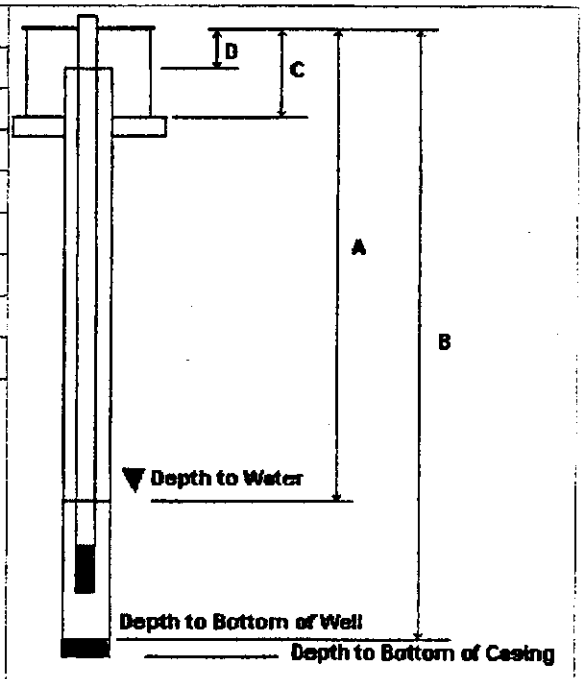
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8164			NORTHING	126311.508
WELL NAME	699-9-E5A	CONST DATE	3/26/1974	EASTING	591485.474
HOST WELL ID		CONST DEPTH	886	ELEVATION	139.364

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
3	0	464	CARBON STEEL	INNER		
5	0	220	CARBON STEEL			
8	0	220	CARBON STEEL	OUTER		

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	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-8-E2B		7636.00	423.00	69.0					
SW		1950.00							
			12/74						1B-SP-10A
699-8-E1		8400.00		48.0					
SW		1400.00							
				46.0					R2-SP-2
699-8-5		7700.00		86.0					
SW		-5000.00							
			12/74						B-SP-3
699-8-8A		8319.00	488.00	110.0					SEISMIC SHOT HOLE FILLED
AB		-8167.00	5.0						
			6/63						11/28-6N1, SP.
699-8-8B		8319.00	488.00	110.0					SEISMIC SHOT HOLE FILLED
AB		-8167.00	5.0						
			6/63						11/28-6N2, SP.
699-8-17		8200.00	522.44	200.0	P	8.0	109.0	132.0	SCREEN 108-158 FT., PLUG AT
				158.0	P	8.0	151.0	166.0	158 FT.
					S	6.0	101.0	158.0	8.2-17.2, USGS
				170.0	P	6.0	110.0	168.0	6" SCREEN 103-160 FT.
				165.0	S	6.0	103.0	160.0	
				120.0					
				204.0	P	8.0	150.0	165.0	#40 SCREEN 150-161 FT.
				204.2	P	8.0	169.0	184.0	
					S	7.0	150.0	161.0	7.9-31.8, USGS
699-9-E5A		9148.00	453.80	886.0					
SW		5112.00							
			12/74	84.0					699-9-E5, BH-138
699-9-E5B		9225.00	455.96	120.0					
SW		5225.00							
			12/74						1B-SP-14
699-9-E5C		8700.00	449.80	111.0					
SW		5200.00							
			12/74						1C-SP-5
699-9-E4A		9261.00	446.10	73.0					
GW		4459.00							
			12/74						DB-18

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

Query HWIS again

HWIS Interface - Well History Information - Current Status

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8164	699-9-E5A	CANDIDATE FOR DECOMMISSIONING	05/09/2002	HWIS 2005 - ENW WNP 1/4

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMI
A8164	699-9-E5A	03/16/1974		886	ft	

Query HWIS again

IWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A8164	699-9-E5A	UNKNOWN	NAD83	01/01/1801	CONVERTED	126311.508	591485.474	m	

SURVEY DATA REPORT				Request No. 073-270
Project No. N/A	Title: Well Decommissioning A8164 / 699-9-ESA			File No. 6AT11R28
Job No. 65400811.1225400	Prepared By Larry Henke	Date 5/31/2007	Reviewer SAW	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for A8164. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
Coordinate System: US State Plane 1983	B. Howard	1		
Zone: Washington South 4602	C. Wright	1		
Project Datum: NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum: NAVD 1988	E. Rafuse	1		
Geoid Model: Geoid03	W.D. Webber	1		
Units: Meters				

SURVEY RESULTS AND COMMENTS

Well ID# A8164 was not found at provided coordinates: N126311.51 E591485.47
Set hub and lath with stake chaser

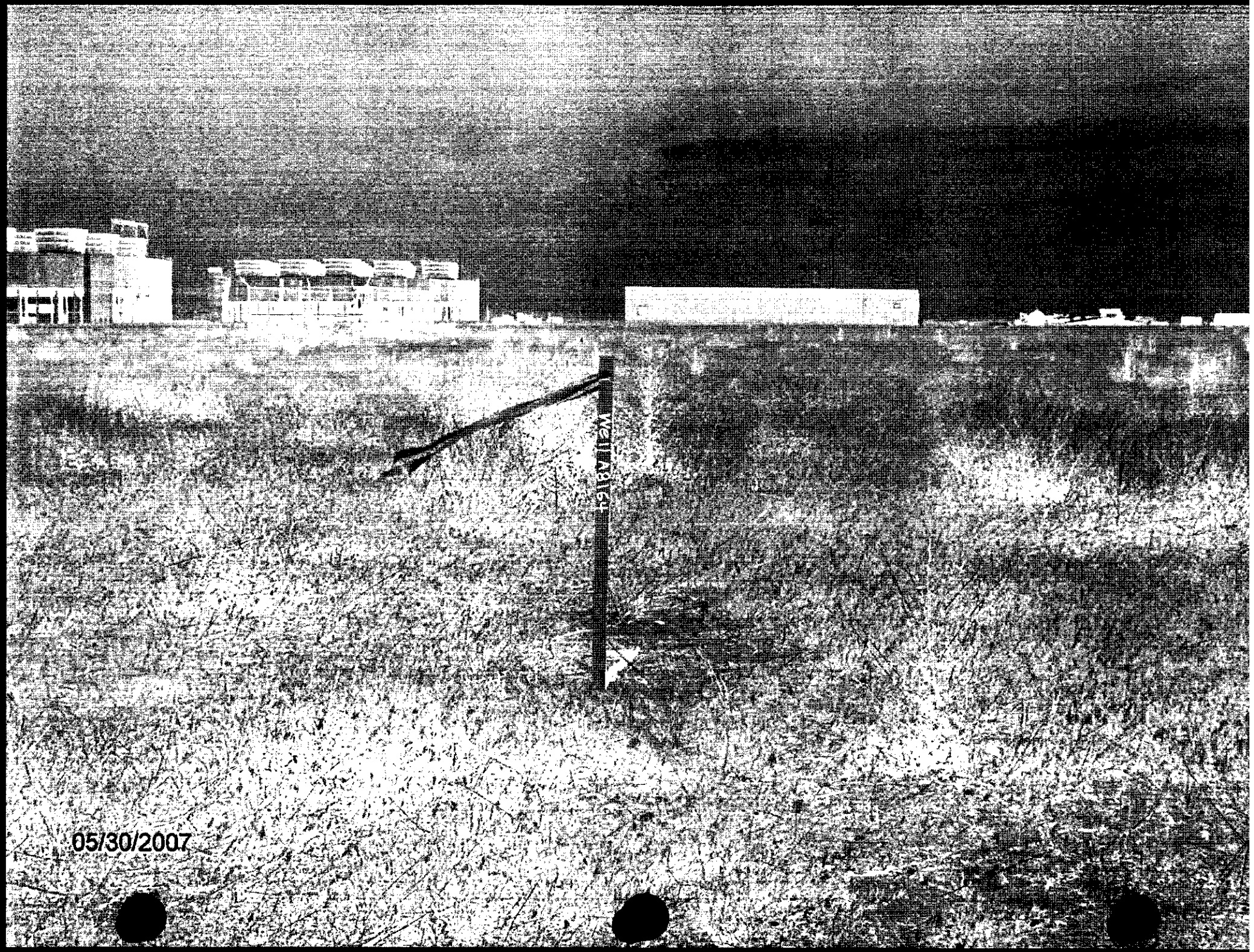
Equipment Used: Trimble 5800 GPS Receiver, RTK

See Photo

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

E-NW-246 (09/04)

This information is PROPRIETARY and is provided solely for use in conjunction with work managed and controlled by Fluor Federal Services.


05/30/2007

Message

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
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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
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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

A8164

NOTE - SEE EXPLANATION FOR DRILL HOLE LOG
- ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

ELEVATION (SEA LEVEL DATUM)	DEPTH	SAMPLED INTERVAL (SEE LEGEND UNDER "REMARKS")	CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
	0				AC		START OF DRILLING 2-26
450							ELEVATION: 453.8 STATION: 124 + 00 LINE 1C. 54 + 00 LINE 1B N 9,150 W 5,120
	10			SAND; GRAY, FINE TO MEDIUM SAND, WELL TO MODERATELY GRADED, BASALTIC.		6	
440							
	20						
430							
	30						END OF DRILLING AT 31'. 2-26
420							
	40						
410							
	50						
400							
	60						
390						6	
	70			GRAVEL; GRAY, FINE TO COARSE GRAVEL, WELL ROUNDED, MIXED LITHOLOGY.		6	
380				SAND, GRAVELLY; BROWN, FINE TO MEDIUM SAND.		6	
	80						
370							
	90						WATER ENCOUNTERED AT 92'
360							
	100						

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138 699-9-E5A	FIGURE 2.5A-5a

NOTE - SEE EXPLANATION FOR DRILL HOLE LOG
- ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

ELEVATION (SEA LEVEL DATUM)	DEPTH	SAMPLED INTERVAL (RECOVERY UNDER "REMARKS") / CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
	100		GRAVEL, SANDY; GRAY.	AC		
350						
	110					END OF DRILLING AT 111', 2-27
340						
	120		GRAVEL, CLAYEY; LIGHT BROWN CLAY, FINE GRAVELS, SOME SILT.		G	
330						
	130					
320						
	140					
310						
	150		GRAVEL; GRAY, CLEAN.			
300						
	160					END OF DRILLING AT 163', 2-28
290						
	170					
280						
	180					
270						
	190					
260						
	200					

699-9-E5A

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5b

NOTE - SEE EXPLANATION FOR DRILL HOLE LOG
- ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

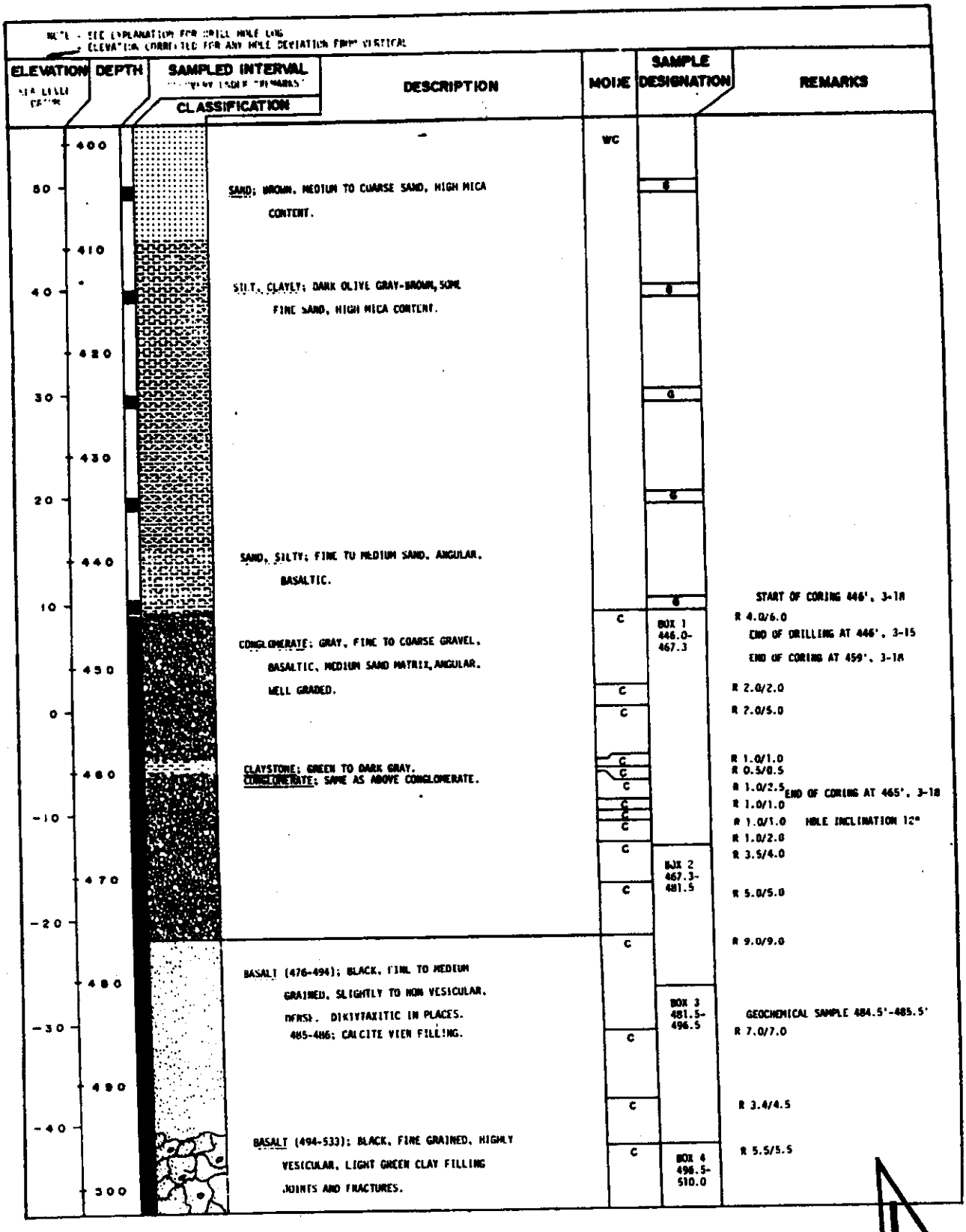
ELEVATION	DEPTH	SAMPLED INTERVAL / CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
250	200			AC		
240	210		SAND: BROWN, MEDIUM TO COARSE SAND, WELL GRADED.		G	
230	220			WC		END OF DRILLING AT 220', 3-1 START OF DRILLING AT 220', 3-10
220	230					END OF DRILLING AT 236', 3-10
210	240		SAND, GRAVELLY: DARK GRAY, MEDIUM SAND, ANGULAR, SOME GRAVEL AND COBBLES.		G	DRILLERS COMMENT: TOUGH DRILLING
200	250				G	
190	260				G	
180	270		SAND, GRAVELLY: COARSE SAND, HIGH MICA CONTENT, SOME GRAVEL AND COBBLES.		G	
170	280				G	
160	290				G	
	300					

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5c

NOTE - SEE EXPLANATION FOR DRILL HOLE LOG
- ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

ELEVATION (SEA LEVEL DATUM)	DEPTH	SAMPLED INTERVAL (DESCRIBED UNDER "REMARKS") / CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
150	300		SAND: BROWN, FINE TO MEDIUM SAND, HIGH MICA CONTENT.	WC	G	
140	310				G	END OF DRILLING AT 312', 3-13
130	320				G	
120	330				G	
110	340				G	
100	350				G	
90	360				G	END OF DRILLING AT 365', 3-14
80	370				G	
70	380				G	
60	390		SAND, SILTY: BROWN, FINE SAND WITH SILT, MICA CONTENT LESS THAN ABOVE.		G	
	400					

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5d



WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5e

NOTE - SEE EXPLANATION FOR DRILL HOLE LOG
- ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

ELEVATION (SEA LEVEL DATUM)	DEPTH	SAMPLED INTERVAL (RECOVERY UNDER "REMARKS") / CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
	500					
-50				C		R 8.0/8.0
	510		510-517; MODERATELY VESICULAR. LITTLE CLAY.	C	BOX 5 510.0-526.0	R 0.5/0.5
-60				C		R 6.5/6.5
	520			C		R 7.0/9.0
-70			523-530; HIGHLY VESICULAR. DEEPLY WEATHERED.			HOLE INCLINATION 11.5°
	530			C	BOX 6 526.0-543.0	R 2.0/4.0
			BASALT (533-605); BLACK. FINE GRAINED. SLIGHTLY VESICULAR TO NON-VESICULAR.	C		R 1.0/2.0 END OF CORING AT 532'. 3-19
-80				C		R 4.0/4.0
				C		R 7.0/7.0
	540		543-550; HIGH DEGREE OF FRACTURING FROM 15° TO 45°.			
-90				C	BOX 7 543.0-556.9	R 2.0/2.0
				C		R 7.0/12.0
	550		550-552; VESICLES AND VESICLE CYLINDERS TO 3/4 INCH.			NOTE: FRACTURES THROUGHOUT THE BASALT INTERVALS ARE COATED WITH A DARK GREEN WAXEY CLAY MINERAL THAT OFTEN DISPLAYS SHINY PARTING SURFACES. GEOCHEMICAL SAMPLE 558.5'-559.0'
-100						
				C	BOX 8 556.9-570.0	R 8.0/8.0
	560					
-110			565-580; FINE TO MEDIUM GRAINED. RARELY VESICULAR. PLAGIOCLASE PHENOCRYSTS TO 1MM.	C		R 5.0/5.0
	570			C	BOX 9 570.0-583.0	R 1.0/1.0
				C		R 5.0/5.0
-120				C		R 7.0/7.0
	580					
-130				C	BOX 10 583.0-597.5	R 1.0/1.0
				C		R 10.0/10.0 HOLE INCLINATION 12°
	590					
-140				C		R 3.0/3.5
			590-605; FINE GRAINED. VESICULAR BASE OF FLOW.	C	BOX 11 597.5 623.5	R 6.5/6.5
	600					

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5f

NOTE - SEE EXPLANATION FOR DRILL HOLE LOG
ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

ELEVATION (MEAN SEA LEVEL DATUM)	DEPTH	SAMPLED INTERVAL (RECOVERY UNDER "REMARKS") / CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
	600					
-150				C		R 2.0/2.0 END OF CORING AT 606', 3-20
				C		R 2.5/10.0
	610		SANDSTONE, TUFFACEOUS: GRAY, FINE TO MEDIUM SAND, HIGH MICA CONTENT, WELL INDURATED.			
-160			CLAYSTONE, SILTY: DARK GRAY, POOR RECOVERY.	C		R 1.0/7.0
	620		CLAYSTONE: LIGHT GREEN, SOME SILT, SCORIACEOUS BASALT FRAGMENTS (TO 10CM).	C		R 0.5/0.5
-170				C		R 1.0/1.0
				C	BOX 12 623.5-644.3	R 8.0/8.0
	630		BASALT (628.5-651): DARK GRAY, FINE GRAINED, HIGHLY VESICULAR TO SCORIACEOUS. DARK GREEN CLAY FILLS FRACTURES AND JOINTS AT FLOW TOP.			
-180				C		R 4.0/10.5
	640		645-651: HIGHLY TO MODERATELY VESICULAR.			
-190				C		R 1.3/1.3
				C		R 1.0/1.7
				C	BOX 13 644.3-659.0	R 7.0/7.0 HOLE INCLINATION 11.5 °
	650					
			BASALT (651-770): DARK GRAY, FINE GRAINED, RARE VESICULLS, DENSE, IRREGULARLY SPACED AND ORIENTED FRACTURES. PLAGIOCLASE LATHS (TO 1MM).	C		R 6.0/6.0
-200						
	660			C	BOX 14 659.0-673.0	R 4.5/4.5 END OF CORING AT 663', 3-21
-210				C		R 9.5/9.5 GEOCHEMICAL SAMPLE 665.5'-666.0'
	670					
-220				C		R 0.8/0.8
				C	BOX 15 673.0-686.8	R 10.3/10.3
	680					
			685-725: NON-VESICULAR TO OCCASIONAL VESICLES.			
-230				C		R 2.7/2.7
				C	BOX 16 686.8-700.8	R 7.7/7.7
	690					
-240				C		R 6.3/6.3
	700					
				C		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5g

NOTE - SEE EXPLANATION FOR DRILL HOLE LOG
- ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

ELEVATION (SEA LEVEL DATUM)	DEPTH	SAMPLED INTERVAL (RECOVERY UNDER "REMARKS") / CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
	700			C	BOX 17 700.8-715.2	R 3.9/3.9
-250						HOLE INCLINATION 11.5 °
				C		R 1.3/1.3
				C		R 3.7/3.7 END OF CORING AT 706', 3-22
	710			C		R 5.5/5.5
-260						
				C	BOX 18 715.2-729.0	R 4.7/4.7
	720			C		R 10.1/10.1
-270			725-750; SUB-VERTICAL FRACTURES FILLED WITH GREEN CLAY.			
	730			C	BOX 19 729.0-742.6	R 10.0/10.0
-280						
	740			C		R 2.6/2.6
				C	BOX 20 742.6-756.0	R 3.4/3.4
-290						
				C		R 10.0/10.0
	750					
-300						
			757-762; HIGHLY VESICULAR.	C	BOX 21 756.0-770.0	R 3.6/3.6
	760			C		R 6.4/6.4
			762-770; SLIGHTLY TO NON VESICULAR.			
-310						GEOCHEMICAL SAMPLE 766.3'-766.8'
				C		R 4.0/4.0
						HOLE INCLINATION 11 °
	770		BASALT (770-787); BLACK, FINE GRAINED, HIGHLY VESICULAR, FRACTURED, GREEN CLAY FILLS FRACTURES.	C	BOX 22 770.0-785.6	R 4.0/4.0
-320				C		R 8.0/9.0
	780		779-787; MODERATELY TO SPARSELY VESICULAR A FEW LARGE VESICLES AT THE FLOW BASE.			
				C		R 2.6/2.6
-330						
				C	BOX 23 785.6-803.0	R 1.4/1.4
				C		R 2.0/2.0
	790		SILTSTONE; GREEN.	C		R 1.0/5.0
-340				C		R 5.0/5.0
	800		BASALT (790-832); BLACK, FINE GRAINED, MODERATELY TO SLIGHTLY VESICULAR, VESICLES TO 5CM.	C		R 4.0/4.0

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5h

NOTE: SEE EXPLANATION FOR DRILL HOLE LOG.
- ELEVATION CORRECTED FOR ANY HOLE DEVIATION FROM VERTICAL

ELEVATION	DEPTH	SAMPLED INTERVAL / CLASSIFICATION	DESCRIPTION	MODE	SAMPLE DESIGNATION	REMARKS
-350	800			C	BOX 24 802.0-814.5	R 2.0/2.0
				C		R 1.0/1.0 END OF CORING AT 806', 3-23
				C		R 10.0/10.0
-360	810		812-832: SLIGHTLY VESICULAR, LARGE VESICLES (1+ SCM).			
				C		R 3.5/3.5
-370	820			C	BOX 25 819.5-832.0	R 6.5/6.5
						HOLE INCLINATION 11+
				C		R 6.0/6.0
-380	830		BASALT (832-856); BLACK, FINE GRAINED, DENSE, RARE VESICLES, PLAGIOCLASE PHENOCRYSTS (TO 4MM).	C	BOX 26 832.0-845.6	R 4.0/4.0
						GEOCHEMICAL SAMPLE 835.0'-835.5'
				C		R 10.0/10.0
-390	840					END OF CORING AT 846', 3-25
				C	BOX 27 845.6-861.0	R 10.0/10.0
-400	850					
			CLAYSTONE; GREEN, BAKED	C		R 10.0/10.0
-410	860		BASALT (857-886); BLACK, FINE GRAINED, HIGHLY VESICULAR TO MODERATELY VESICULAR, LIGHT GREEN CLAY FILLS VESICLES AND JOINTS.		BOX 28 861.0-877.0	
			[870-886]; VESICLES RARE.	C		R 10.0/10.0
-420	870					
				C	BOX 29 877.0-886.0	R 10.0/10.0
-430	880					HOLE INCLINATION 11+ END OF CORING AT 886', 3-26
			HOLE CORED TO T.D. 886'			CASING HISTORY: 8" CASING SET FROM SURFACE TO 220' 5" CASING SET FROM SURFACE TO 220' 3" CASING SET FROM SURFACE TO 464'
-440	890		NOTE: THE HOLE INCLINATIONS GIVEN IN THE REMARKS COLUMN WERE OBTAINED DURING DRILLING BY A ONE-SHOT DEVICE. A CONTINUOUS BOREHOLE SURVEY WAS PERFORMED AFTER THE HOLE WAS DRILLED AND IS REPORTED IN APPENDIX 2.5B.			NOTE: THE TRUE VERTICAL DEPTH OF THIS HOLE IS 878 FT.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LOG OF BORING BH-138	FIGURE 2.5A-5i

WELL CONSTRUCTION AND COMPLETION SUMMARY

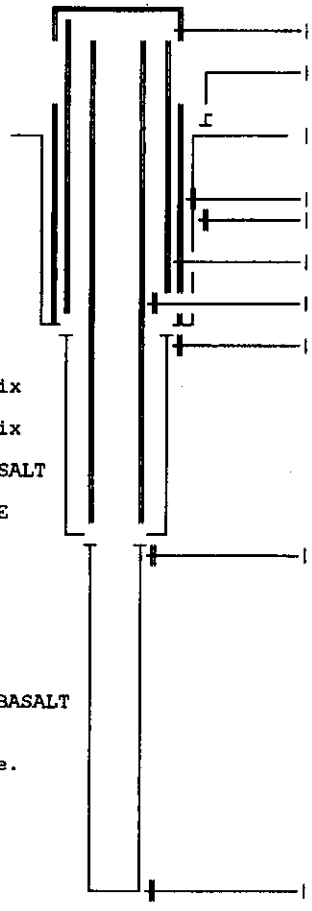
Drilling Rotary Method: Diamond core Drilling Coring Fluid Used: Bentonite mud Driller's Name: Not documented Drilling Rotary=Aqua Drilling Company: Core=Longyear DC Date Started: 26Feb74	Sample Rotary returns Method: Wireline core Additives Used: Not documented WA State Lic Nr:Not documented Company Coeur'Alene ID Location: Spokane, WA Date Complete: 26Mar74	WELL TEMPORARY WPPSS NUMBER: 699-9-E5A A8164 WELL NO: BH-138 Hanford Coordinates: N/S N 9,148 E/W E 5,112 State Coordinates: N 414,463 E 2,300,414 Start Card #:Not documented T11N R28E S 6R1 Elevation Ground surface: 452.0-ft Estimated

Depth to water:~90.0-ft Feb74
(Ground surface)

GENERALIZED Geologist's
STRATIGRAPHY Log

0-66: Fine-med SAND
66-73: Fine-cse SAND
73-100: Gravelly fine-med SAND
100-205: Sandy-clayey-clean GRAVEL
205-245: Med-cse SAND
245-305: Gravelly med-cse SAND
305-387: Fine-med SAND
387-402: Silty fine SAND
402-410: Med-cse SAND
410-440: Clayey SILT w/fine SAND
440-446: Silty fine-med SAND
446-459: CONGLOMERATE w/med SAND matrix
459-461: CLAYSTONE
461-476: CONGLOMERATE w/med SAND matrix
476-494: Slightly vesicular BASALT
494-533: Highly-moderate vesicular BASALT
533-605: BASALT
605-618: Fine-med tuffaceous SANDSTONE
618-628.5: Silty CLAYSTONE
628.5-651: Vesicular BASALT
651-770: BASALT
770-787: Highly vesicular BASALT
787-798: SILTSTONE
798-832: Vesicular BASALT
832-856: BASALT
856-857: Baked, green CLAYSTONE
857-886: Highly-moderately vesicular BASALT

DRILLING NOTE:
BH-138 was drilled as a deviated hole.
Final deviation ~12



Elevation of reference point: [453.80]
(top of casing)
Height of reference point above [ND]
ground surface
Depth of surface seal [ND]
No surface seal documented
8-in ID carbon steel casing, +ND-220-ft
9-in nominal hole, 0-220-ft
5-in ID carbon steel casing, +ND-220-ft
3-in ID carbon steel casing, +ND-464-ft
6-in nominal hole, 220-464-ft
4-in nominal hole, 464-886-ft
Borehole drilled depth: [886.0-ft]

Drawing By: RKL/6N09E05A.ASB
Date : 12Sep94
Reference : HANFORD WELLS

SMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-9-E5A

WELL DESIGNATION	:	699-9-E5A
CERCLA UNIT	:	Not applicable
RCRA FACILITY	:	Not applicable
HANFORD COORDINATES	:	N 9,148 E 5,112 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 414,463 E 2,300,414 [HANCONV]
DATE DRILLED	:	Core-Mar74
DEPTH DRILLED (GS)	:	886.0-ft
MEASURED DEPTH (GS)	:	Not documented
DEPTH TO WATER (GS)	:	~90-ft, Feb74
CASING DIAMETER	:	8-in ID, +ND-220-ft, 5-in ID, +ND-220-ft, 3-in ID, +ND-464-ft
ELEV TOP CASING	:	453.80-ft [HANFORD WELLS]
ELEV GROUND SURFACE	:	452.0-ft, Estimated
PERFORATED INTERVAL	:	Not applicable
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	FIELD INSPECTION, OTHER:
AVAILABLE LOGS	:	Geologist
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Nuclear power plant siting
CURRENT USER	:	Assigned WPPSS
PUMP TYPE	:	None
MAINTENANCE	:	