

## AR TARGET SHEET

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

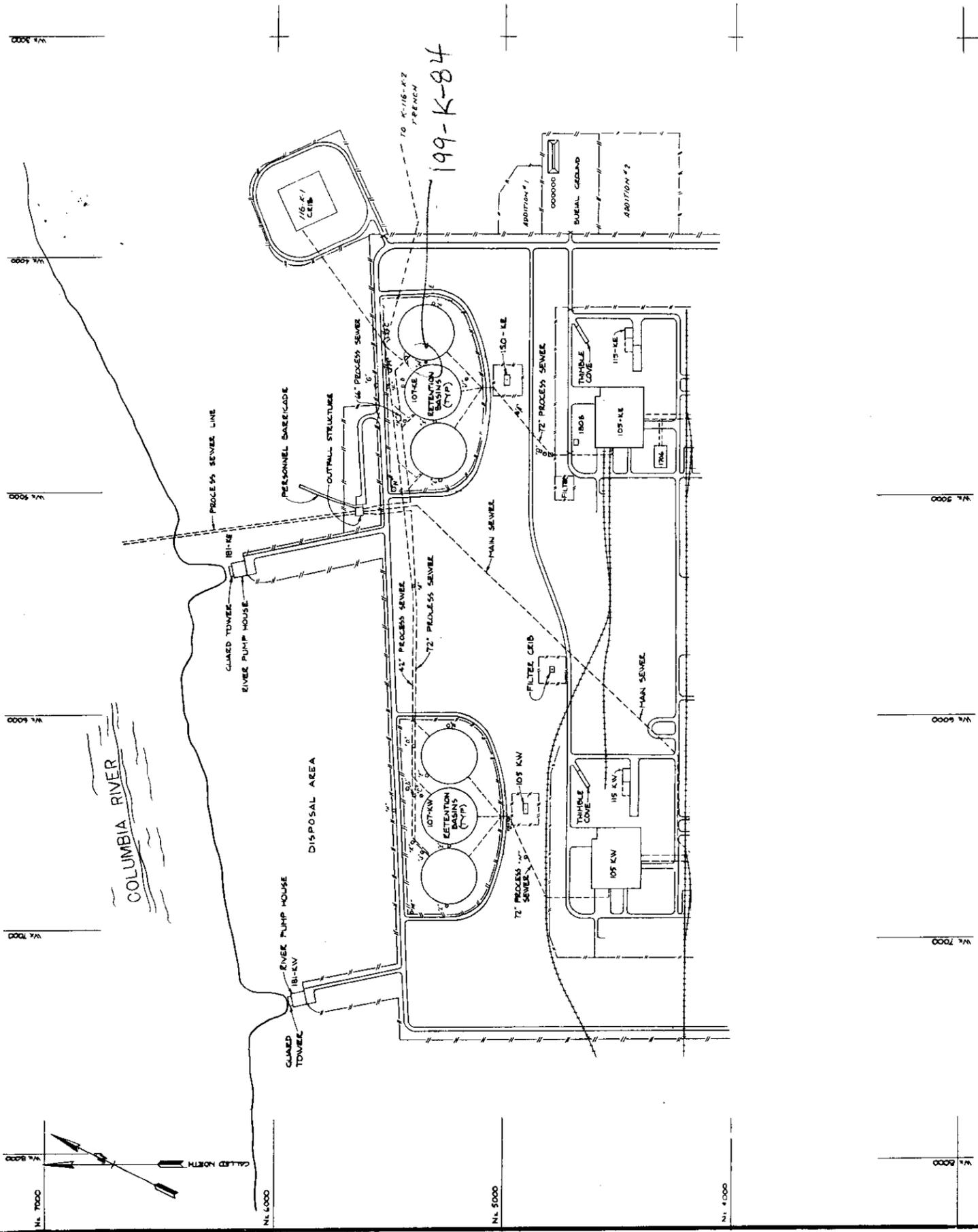
EDMC#: 0073870

SECTION: 3 OF 3

DOCUMENT #: 07-AMCP-0256

TITLE: Administrative Decommissioning  
for 57 Wells With and Without  
Surveys





107-KE TEST HOLES	MOLE NO.	NORTH	WEST	ELEVATION
A	4745.20	6606.72	453.77	453.77
B	4886.19	6886.65	462.50	462.50
C	5330.43	4313.61	438.81	438.81
D	5437.59	4562.21	446.17	446.17
E	5325.87	4740.86	446.19	446.19
F	5523.47	4557.47	438.79	438.79
G	5596.85	4568.10	441.94	441.94
H	5350.17	4692.22	441.96	441.96
J	5319.18	4673.20	449.46	449.46
V	5177.56	4530.82	446.71	446.71
K	5451.83	4718.43	439.84	439.84
L	5296.66	4928.14	446.44	446.44
M	5518.30	4892.69	438.94	438.94
N	5496.67	5025.79	434.59	434.59

107-KW TEST HOLES	MOLE NO.	NORTH	WEST	ELEVATION
A	5402.46	5484.59	440.38	440.38
B	5259.34	6055.96	440.38	440.38
C	5374.36	4405.84	440.38	440.38
D	5404.20	4777.77	439.98	439.98
E	5325.87	4740.86	440.21	440.21
F	5409.42	4689.69	446.39	446.39
G	5468.19	4672.77	440.46	440.46
H	5289.27	4687.66	437.96	437.96
J	5367.14	4655.59	440.59	440.59
K	5402.42	4609.90	439.19	439.19
L	5259.03	4661.47	440.50	440.50
M	5412.66	4945.05	436.87	436.87
N	4880.66	4662.39	463.10	463.10
O	4997.43	4874.61	462.46	462.46

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

**WELL ORDER NO**  
**WELL ID**                   **A5791**  
**WELL NAME**               **199-K-84**  
**HOST WELL ID**

**CONST DATE**  
**CONST DEPTH**

**LAST INSPECTION**   1/1/1801  
**NORTHING**           146978.99  
**EASTING**             569133.834  
**ELEVATION**          135.775

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR <input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input checked="" type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED <input checked="" type="checkbox"/> ND*	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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			

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH		PERF/SCREEN			COMMENTS
	WELL TYPE	L 83		PLANT	WELL DIAM	COMPL DEPTH	-----	-----	
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES
199-K-74	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 C
199-K-75	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 D
199-K-76	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 E
199-K-77	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE A
199-K-78	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE B
199-K-79	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE C
199-K-80	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE D
199-K-81									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE E
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE F
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE G
199-K-84	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE H
199-K-85	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE I

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
H	-4407.820	5358.120	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** H      **Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	407.888
100-K-2	-5355.000	4132.000	569049.052	146514.684	1549.361
199-K-32A	-4686.520	5604.020	569024.150	147006.680	371.673

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

### Local Coordinates

**Transformed:**  
569133.915 146979.029

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

### Local Coordinates

**Transformed:**  
569133.894 146979.062

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
H	569133.894	146979.062	-4407.820	5358.120	2-pt

## SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5791

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Jerry Henkel*

Page  
1 of 2

### DESCRIPTION OF WORK

Locate well A5791. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

### DISTRIBUTION

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

### SURVEY RESULTS AND COMMENTS

Well ID# A5791 was not found at listed coordinates: N146979 E569133.8  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:

Title:  
SCAN: Well Decommissioning / Well A5791

File No. :  
100K-001

Job No.:  
65400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/27/07

Reviewer:  
*Tim John*

Page  
1 of 1

DESCRIPTION OF WORK:  
  
Perform ground scan at staked location of Well A5791

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

**DATE OF FIELD INVESTIGATION:** 3/27/07

Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

Soil Conditions:  Rocky  Sandy  Wet  Dry  
 Depth of Investigation 6 feet

Equipment Used:  
     50/60 Hz detector (for energized lines)  
  x   Radio Frequency Electromagnetics (RF)  
  x   Ground Penetrating Radar (GPR)  
     Other (identify)

Required Functional Checks  
 Current/Completed

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:**

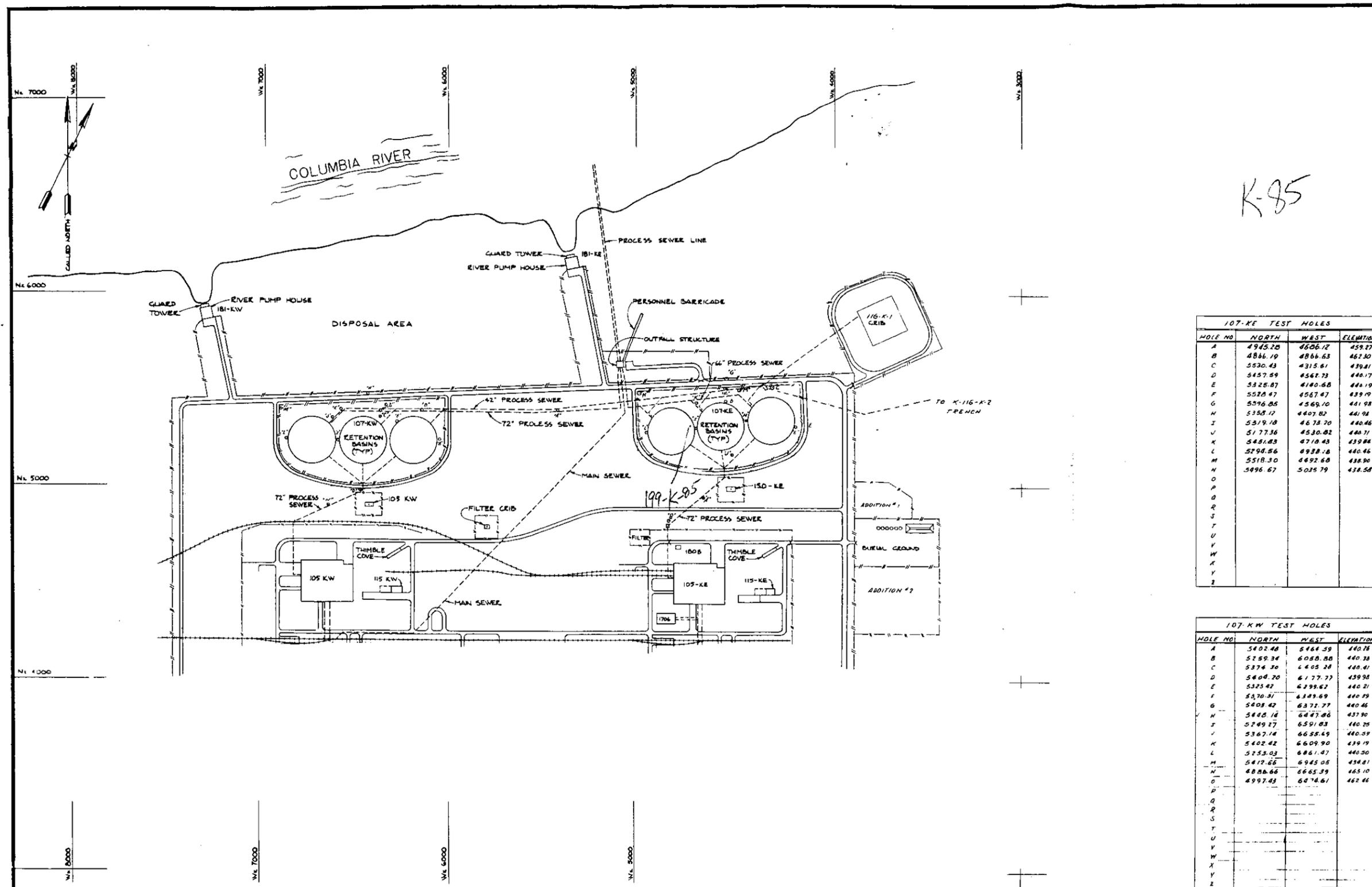
- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

Discussion of Findings:  
  
No evidence of well casing detected in scan area.

A5791 199-K-84

199-K-84





107-KE TEST HOLES

HOLE NO	NORTH	WEST	ELEVATION
A	4945.20	6606.12	459.27
B	4866.19	6666.63	462.30
C	5530.43	4315.61	439.81
D	5457.59	4567.73	440.17
E	5325.87	4180.68	440.19
F	5528.47	4567.47	439.79
G	5596.05	4569.10	441.98
H	5385.12	4407.82	441.98
J	5319.18	4678.70	440.46
V	5177.36	4530.82	440.71
K	5481.83	4710.43	439.84
L	5294.56	6928.18	440.46
M	5518.30	4492.68	438.90
N	5496.67	5025.79	438.58
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES

HOLE NO	NORTH	WEST	ELEVATION
A	5402.48	5464.59	440.76
B	5259.34	6088.88	440.38
C	5374.30	4405.28	440.41
D	5404.20	6177.77	439.98
E	5325.42	6299.62	440.21
F	5370.31	6389.69	440.29
G	5408.42	6372.77	440.46
H	5448.18	6447.86	437.90
J	5249.27	6591.83	440.25
V	5367.14	6655.49	440.59
K	5402.42	6609.90	439.19
L	5253.03	6861.47	440.50
M	5412.66	6945.05	434.81
N	4888.66	6665.39	463.10
O	4997.43	6478.61	462.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

WELL ORDER NO				<b>LAST INSPECTION</b>	1/1/1801
WELL ID	A5792			<b>NORTHING</b>	146931.335
WELL NAME	199-K-85	<b>CONST DATE</b>		<b>EASTING</b>	569067.416
HOST WELL ID		<b>CONST DEPTH</b>		<b>ELEVATION</b>	135.311

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

ND\* - Not Documented

6/15/2005

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH		PERF/SCREEN		COMMENTS		
	WELL TYPE	L 83		PLANT	WELL DIAM	COMPL DEPTH	TYPE		DIAM	TOP
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER						
199-K-74	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 C
199-K-75	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 D
199-K-76	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-K-1 E
199-K-77	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE A
199-K-78	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE B
199-K-79	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE C
199-K-80	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE D
199-K-81	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE E
199-K-82										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE F
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE G
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE H
199-K-85	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE I

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
I	-4673.200	5319.180	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target: I**

**Using Reference Table: 100K**

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	301.330
100-K-2	-5355.000	4132.000	569049.052	146514.684	1369.032
199-K-32A	-4686.520	5604.020	569024.150	147006.680	285.151

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

**Local Coordinates Transformed:**  
 569067.565 146931.409

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

**Local Coordinates Transformed:**  
 569067.527 146931.470

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
I	569067.527	146931.470	-4673.200	5319.180	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5792

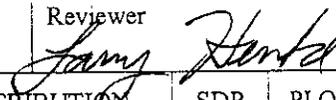
File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer



Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5792. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

## DISTRIBUTION

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

## SURVEY RESULTS AND COMMENTS

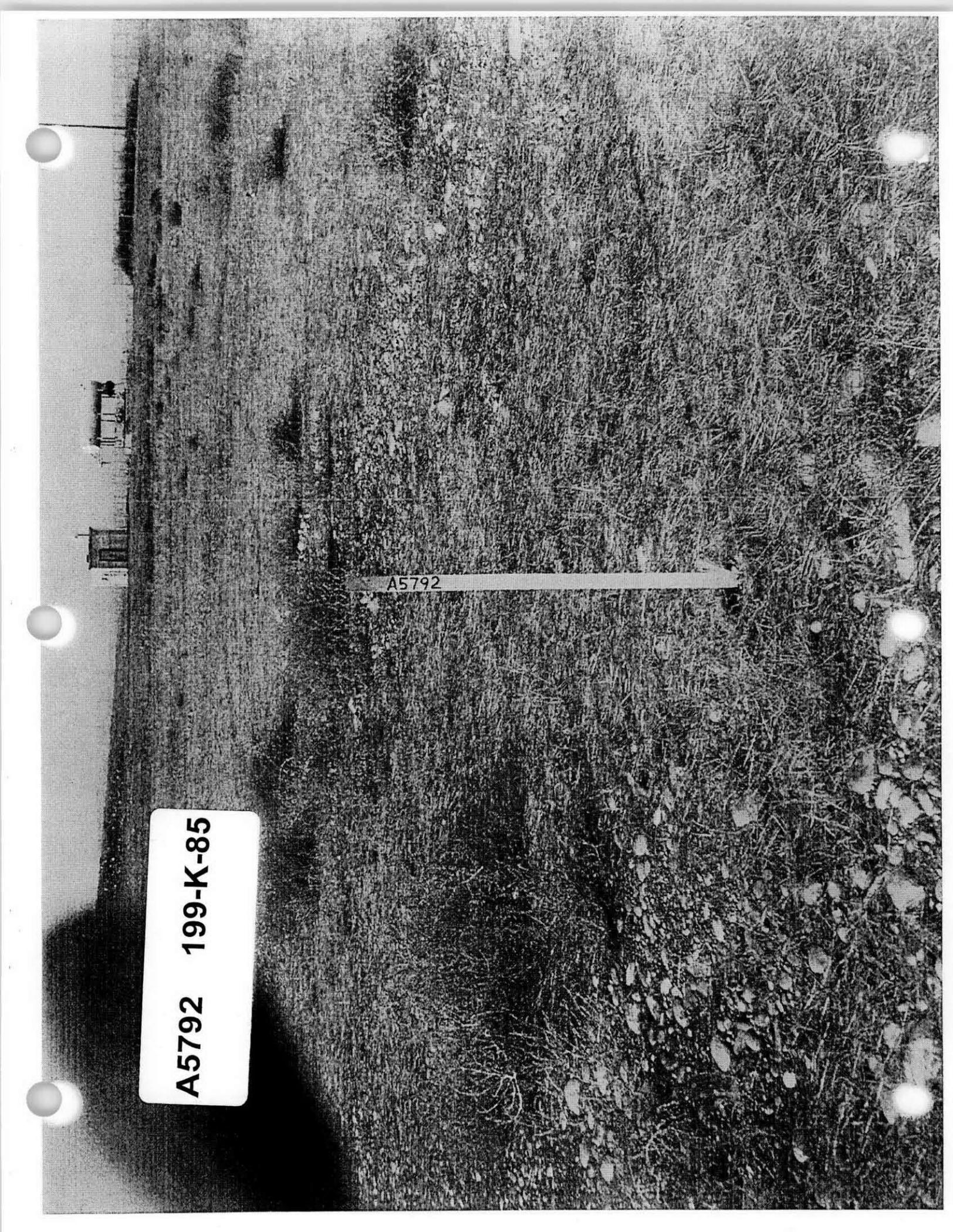
Well ID# A5792 was not found at listed coordinates: N146931.3 E569067.4  
 Set hub and lath. Took Photo.

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

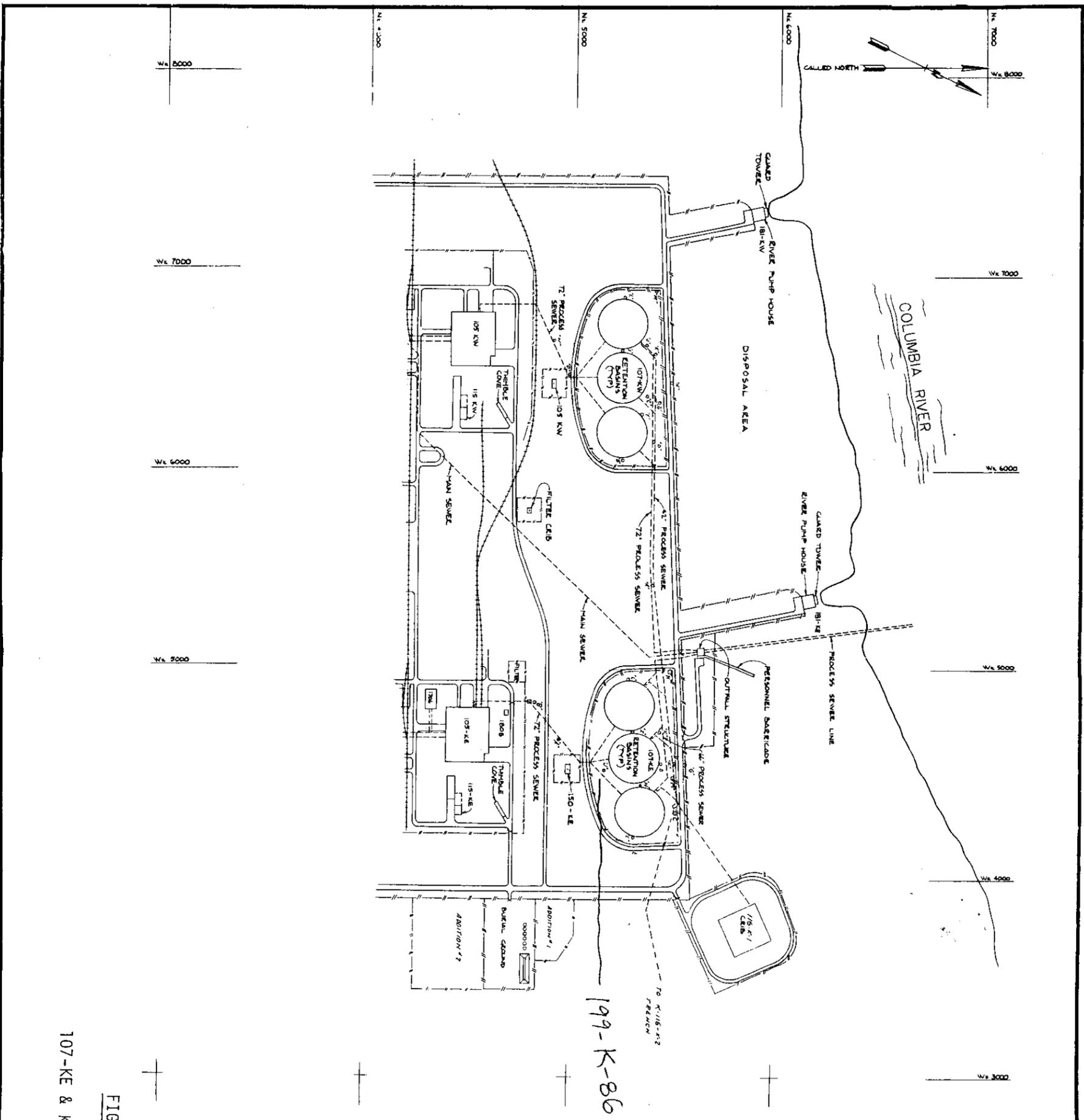
<b>SCAN DATA REPORT</b>				Request No.: 072-235	
Project No.: A	Title: SCAN: Well Decommissioning / Well A5792	File No. : 100K-001			
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/27/07	Reviewer: <i>Tim Johnson</i>	Page 1 of 1	
DESCRIPTION OF WORK:  Perform ground scan at staked location of Well A5792		DISTRIBUTION	SDR	SKETCH	
		Survey File	OR	OR	
		B.J. Howard	1		
		E.C. Rafuse	1		
		G.G. Kelty	1		
		C.S. Wright	1		
<b>DATE OF FIELD INVESTIGATION:</b> 3/27/07					
Weather: Temp <u>50</u> °F Wind <u>5</u> MPH		Soil Conditions: <input checked="" type="checkbox"/> Rocky <input type="checkbox"/> Sandy <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry			
<input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Clear <input type="checkbox"/> P. Cloudy <input type="checkbox"/> Fog		Depth of Investigation <u>6</u> feet			
Equipment Used:		Required Functional Checks			
<u>    </u> 50/60 Hz detector (for energized lines)		Current/Completed			
<u>  x  </u> Radio Frequency Electromagnetics (RF)		<input type="checkbox"/>			
<u>  x  </u> Ground Penetrating Radar (GPR)		<input checked="" type="checkbox"/>			
<u>    </u> Other (identify)		<input type="checkbox"/>			
GPR Antenna(s) Used: <input type="checkbox"/> 1000 MHz <input type="checkbox"/> 500 MHz <input type="checkbox"/> 400 MHz <input checked="" type="checkbox"/> 300 MHz					
Documentation Provided: NONE					
Limits of Investigation: 20 ft square area around staked well location.					
<b>EQUIPMENT LIMITATIONS:</b>					
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:					
No evidence of well casing detected in scan area.					

A5792 199-K-85

A5792



A5793 199-K-86



HOLE NO.	NORTH	WEST	ELEVATION
A	4945.28	4626.12	451.7
B	4846.19	4844.53	451.30
C	5330.43	4315.41	454.81
D	5437.59	4562.71	446.17
E	5428.87	4402.40	444.19
F	5528.47	4517.47	451.79
G	5206.85	4669.10	461.94
H	5150.17	4407.27	461.94
I	5119.16	4673.10	466.46
J	5177.16	4530.62	464.71
K	5451.63	4710.43	459.86
L	5292.56	4928.15	440.66
M	5318.10	4891.48	438.90
N	5496.67	5015.79	431.58
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

HOLE NO.	NORTH	WEST	ELEVATION
A	5402.46	5844.39	440.31
B	5159.34	6050.26	440.31
C	5376.30	6465.34	440.81
D	5464.70	6777.77	439.96
E	5313.67	6798.67	440.21
F	5370.51	6348.68	440.19
G	5405.42	6372.77	440.46
H	5468.12	6247.82	437.80
I	5749.77	6591.82	440.79
J	5367.17	6654.13	440.59
K	5408.42	6609.19	440.59
L	5525.01	6461.47	439.19
M	5417.81	6942.05	440.20
N	6026.86	6465.39	443.10
O	6972.43	6476.61	442.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

LD ORDER NO					
WELL ID	A5793	CONST DATE	LAST INSPECTION	1/1/1801	
WELL NAME	199-K-86	CONST DEPTH	NORTHING	146912.841	
HOST WELL ID			EASTING	569125.803	
			ELEVATION	135.388	

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
APSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR				<input type="checkbox"/> MINOR		

LAST PUMP INFORMATION			CURRENT PUMP INFORMATION		
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED	
	<input type="checkbox"/> REPLACED	<input checked="" type="checkbox"/> ND*		<input type="checkbox"/> REPLACED	
	<input type="checkbox"/> REMOVED			<input type="checkbox"/> REMOVED	
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ACTIVITY PERFORMED BY	ND*		ACTIVITY PERFORMED 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		

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	---	---	---	PREVIOUS WELL NAMES
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
<p style="text-align: center;">Hanford Wells PNL-8800 UC-903 M. A. Chamness &amp; 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</p>									
199-K-90	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
199-K-94	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
199-K-95	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

# Coordinate Transformation Report

3/9/2006

## Input Data

Input Local Coordinate Source:

Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
J	-4530.820	5177.360	0.000	0.000

## Calculation Section

The Three Nearest Reference Points From Target: J

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	479.384
100-K-2	-5355.000	4132.000	569049.052	146514.684	1331.184
199-K-32A	-4686.520	5604.020	569024.150	147006.680	454.182

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

### Local Coordinates

Transformed:

569125.905 146912.897

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

### Local Coordinates

Transformed:

569125.854 146912.979

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
J	569125.854	146912.979	-4530.820	5177.360	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5793

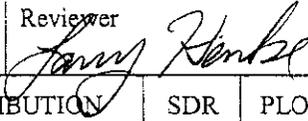
File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer



Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5793. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

## DISTRIBUTION

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

## SURVEY RESULTS AND COMMENTS

Well ID# A5793 was not found at listed coordinates: N146912.8 E569125.8  
 Set hub and lath. Took Photo.

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

## SCAN DATA REPORT

Request No.:

072-235

Project No.:

Title:

SCAN: Well Decommissioning / Well A5793

File No. :

100K-001

Job No.:

65400811.1225400/CA10

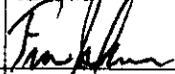
Prepared by:

S. Wray

Date:

3/27/07

Reviewer:



Page

1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5793

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

**DATE OF FIELD INVESTIGATION:** 3/27/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry

 Depth of Investigation 6 feet

**Equipment Used:**

50/60 Hz detector (for energized lines)  
 Radio Frequency Electromagnetics (RF)  
 Ground Penetrating Radar (GPR)  
 Other (identify)

**Required Functional Checks**  
 Current/Completed

 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:**

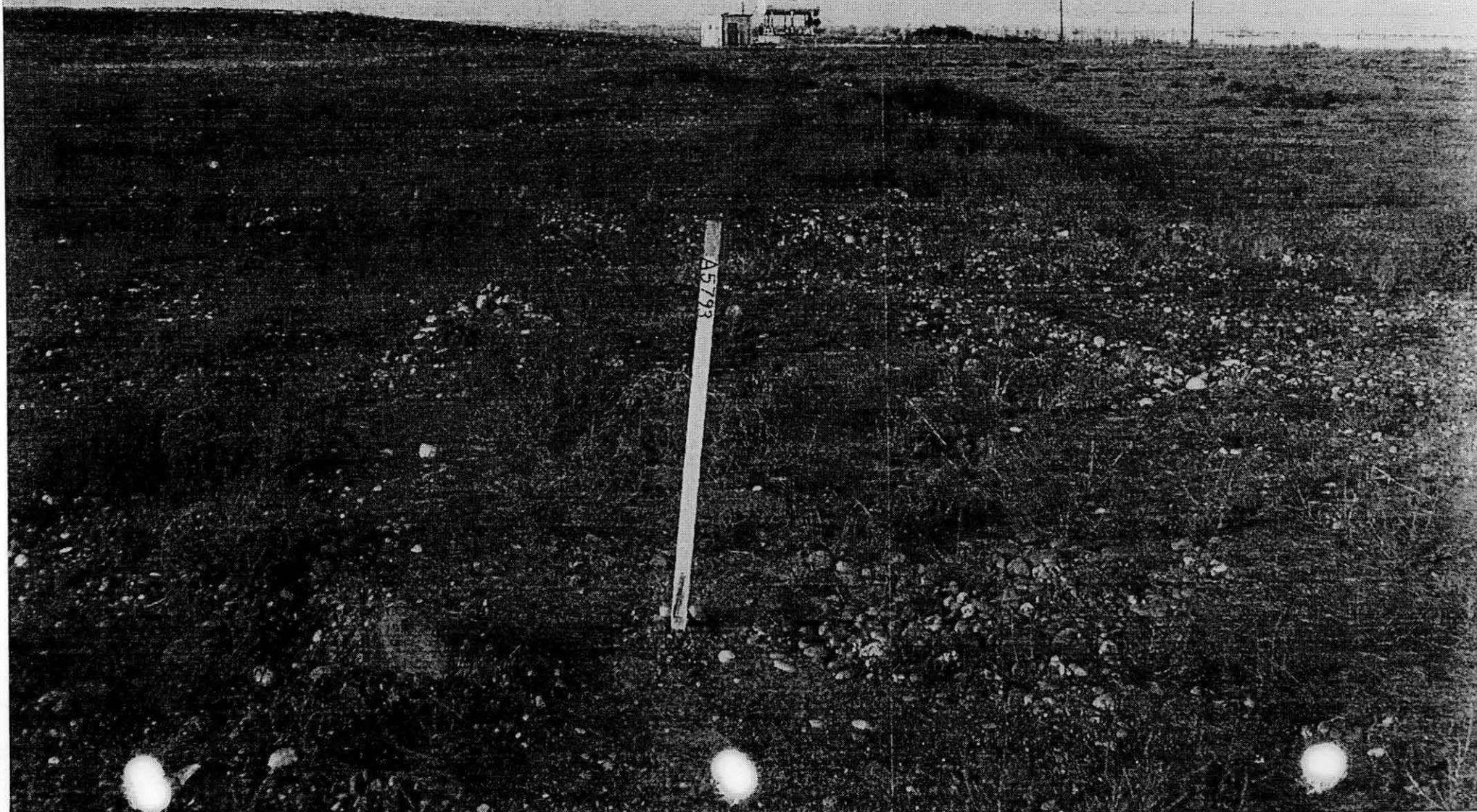
- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

**Discussion of Findings:**

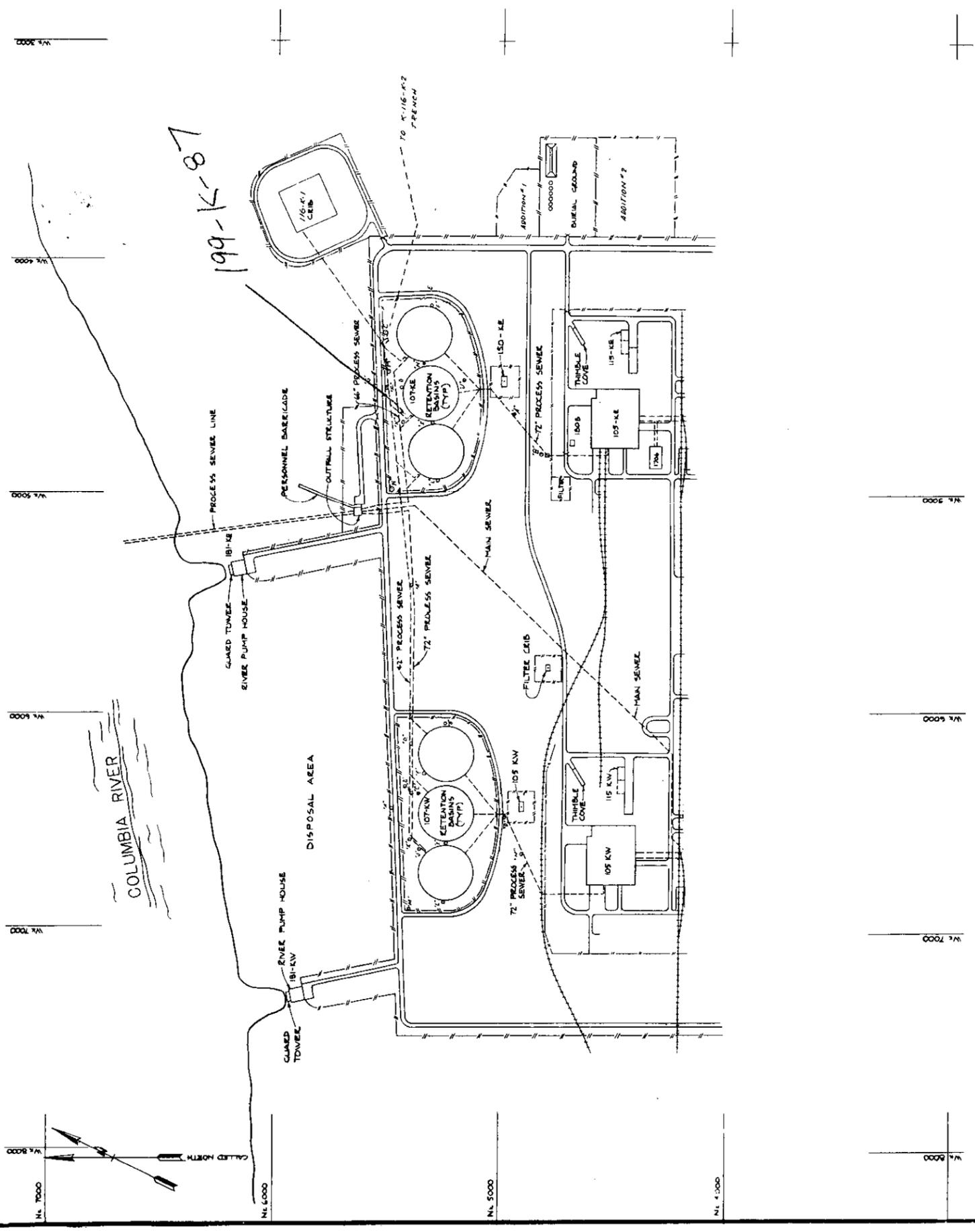
No evidence of well casing detected in scan area.

A5793 199-K-86

A5793



A5794 199-K-87



107-KE TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	4945.28	4606.12	459.77
B	4846.19	4644.63	462.30
C	5630.43	4315.61	438.41
D	5457.89	4567.78	446.17
E	5325.87	4140.68	446.19
F	5525.47	4567.47	439.94
G	5596.85	4569.70	441.98
H	5352.12	4407.82	441.98
I	5319.18	4673.20	440.46
J	5177.36	4530.82	440.71
K	5451.83	4718.43	439.84
L	5494.56	4938.18	440.46
M	5518.30	4492.60	438.90
N	5496.67	5015.79	434.58

107-KW TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	5402.48	5464.59	440.76
B	5259.34	6058.08	440.38
C	5374.76	4408.28	440.41
D	5404.20	4777.77	429.58
E	5323.07	4799.67	440.21
F	5370.91	4389.69	440.19
G	5409.42	4372.77	440.46
H	5448.14	5447.66	437.80
I	5249.27	6591.83	440.25
J	5367.14	6658.49	440.59
K	5408.42	6609.90	439.19
L	5253.03	6861.47	440.20
M	5412.65	5945.05	436.41
N	4808.46	5665.39	443.10
O	4997.43	6674.61	462.46

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

WELL ORDER NO						LAST INSPECTION	1/1/1801
WELL ID	A5794					NORTHING	146960.931
WELL NAME	199-K-87		CONST DATE			EASTING	569036.619
HOST WELL ID			CONST DEPTH			ELEVATION	135.128

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
LAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR	<input checked="" type="checkbox"/> ND*			<input type="checkbox"/> MINOR		

LAST PUMP INFORMATION			CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED	<input checked="" type="checkbox"/> ND*		<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED			<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ACTIVITY PERFORMED BY	ND*		ACTIVITY PERFORMED 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			

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS		
	WELL TYPE	L 83	PLANT	WELL DIAM	COMPL DEPTH	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER						
199-K-86	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
199-K-94	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
199-K-95	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

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

AD

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
K	-4718.430	5451.830	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** K

**Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	164.512
100-K-2	-5355.000	4132.000	569049.052	146514.684	1465.323
199-K-32A	-4686.520	5604.020	569024.150	147006.680	155.499

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

**Local Coordinates Transformed:**

569036.789 146961.011

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

**Local Coordinates Transformed:**

569036.767 146961.046

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
K	569036.767	146961.046	-4718.430	5451.830	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5794

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Jerry Henke*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5794. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

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

## SURVEY RESULTS AND COMMENTS

Well ID# A5794 was not found at listed coordinates: N146960.9 E569036.6  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:

Title:  
SCAN: Well Decommissioning / Well A5794

File No. :  
100K-001

Job No.:  
65400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/27/07

Reviewer:  
*Tim Johnson*

Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5794

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

**DATE OF FIELD INVESTIGATION:** 3/27/07

Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

Soil Conditions:  Rocky  Sandy  Wet  Dry  
 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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.

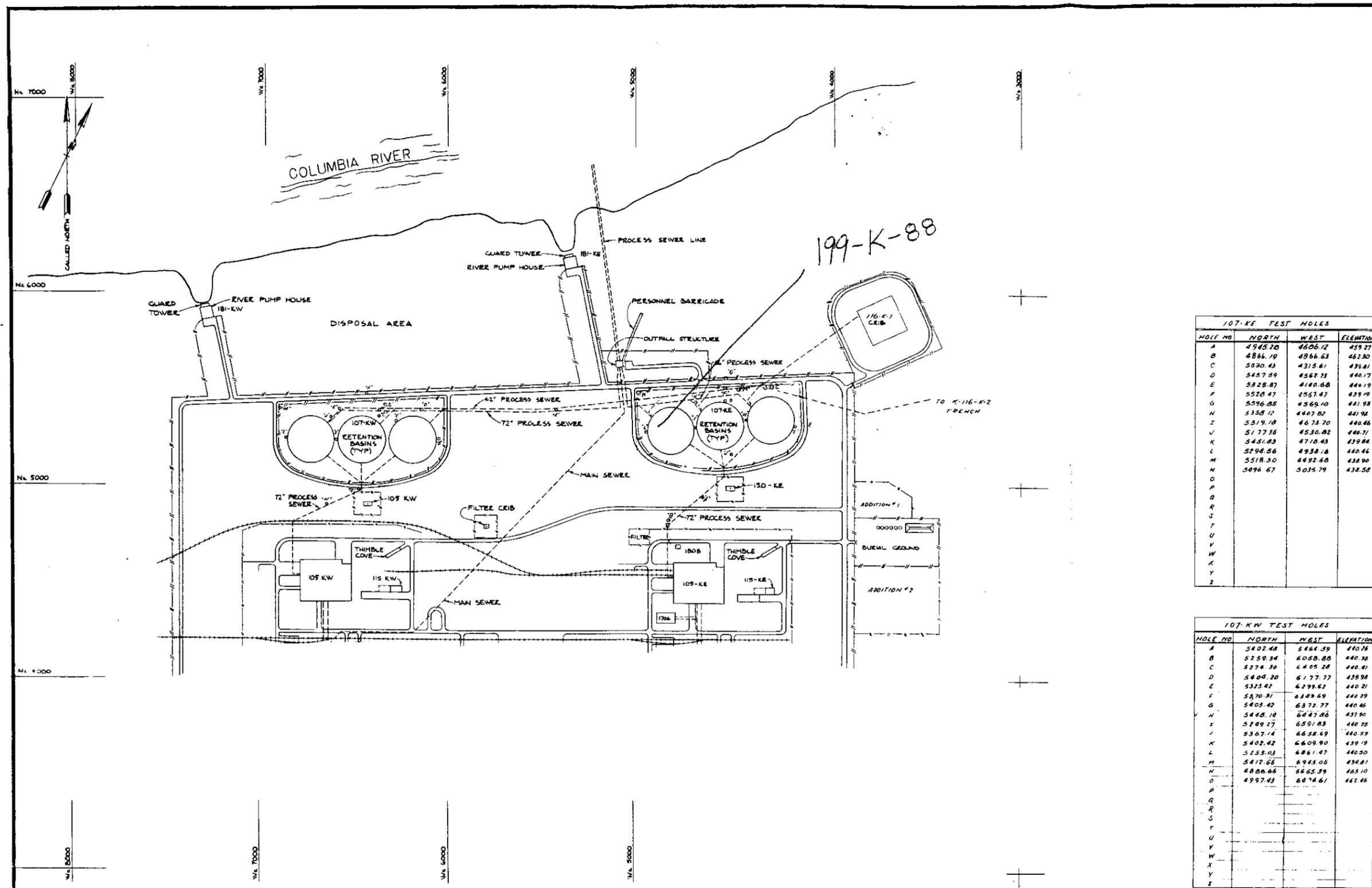
**Discussion of Findings:**

No evidence of well casing detected in scan area.

A5794 199-K-87

A5794





107-KE TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	4945.20	4606.12	459.27
B	4866.19	4666.63	462.50
C	5530.43	4315.61	439.81
D	5437.59	4567.73	440.17
E	5325.87	4180.68	444.19
F	5526.47	4567.47	439.19
G	5596.85	4569.10	441.98
H	5358.12	4407.82	441.98
I	5319.18	4673.20	440.46
J	5177.16	4530.82	440.71
K	5451.83	4710.43	439.84
L	5294.66	4934.18	440.46
M	5518.30	4492.40	438.90
N	5496.67	5035.79	438.58
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	5402.48	5464.39	440.16
B	5259.34	6068.88	440.36
C	5374.30	4405.28	440.41
D	5404.20	6177.77	439.98
E	5323.42	6299.62	440.21
F	5370.91	6389.69	440.39
G	5403.42	6372.77	440.46
H	5448.10	6487.86	437.90
I	5249.17	6591.83	440.25
J	5367.14	6658.69	440.59
K	5402.42	6409.90	439.19
L	5253.03	6861.47	440.20
M	5412.66	6945.05	434.81
N	4886.66	6665.39	443.10
O	4997.43	6474.61	442.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

**LD ORDER NO** \_\_\_\_\_  
**WELL ID** **A5795**  
**WELL NAME** **199-K-88**  
**HOST WELL ID** \_\_\_\_\_

**CONST DATE** \_\_\_\_\_  
**CONST DEPTH** \_\_\_\_\_

**LAST INSPECTION** **1/1/1801**  
**NORTHING** **146887.65**  
**EASTING** **568998.997**  
**ELEVATION** **135.311**

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR <input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED	<input type="checkbox"/> REPLACED	<input checked="" type="checkbox"/> ND*	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED	<input type="checkbox"/> REPLACED	<input type="checkbox"/> REMOVED
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED BY			
DATE ACTIVITY PERFORMED	ND*			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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	-----	-----	-----	PREVIOUS WELL NAMES
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
199-K-94	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
199-K-95	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

**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

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
L	-4938.180	5294.560	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** L

**Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	386.682
100-K-2	-5355.000	4132.000	569049.052	146514.684	1235.024
199-K-32A	-4686.520	5604.020	569024.150	147006.680	398.871

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

**Local Coordinates Transformed:**

568999.322 146887.724

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

**Local Coordinates Transformed:**

568999.269 146887.809

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
L	568999.269	146887.809	-4938.180	5294.560	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5795

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Jerry Hanker*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5795. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kely	1		
E. Rafuse	1		

## SURVEY RESULTS AND COMMENTS

Well ID# A5795 was not found at listed coordinates: N146887.7 E568999  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:

Title:  
SCAN: Well Decommissioning / Well A5795

File No. :  
100K-001

Job No.:  
65400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/27/07

Reviewer:  
*Tim Johnson*

Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5795

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

**DATE OF FIELD INVESTIGATION:** 3/27/07

Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

Soil Conditions:  Rocky  Sandy  Wet  Dry

Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

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:**

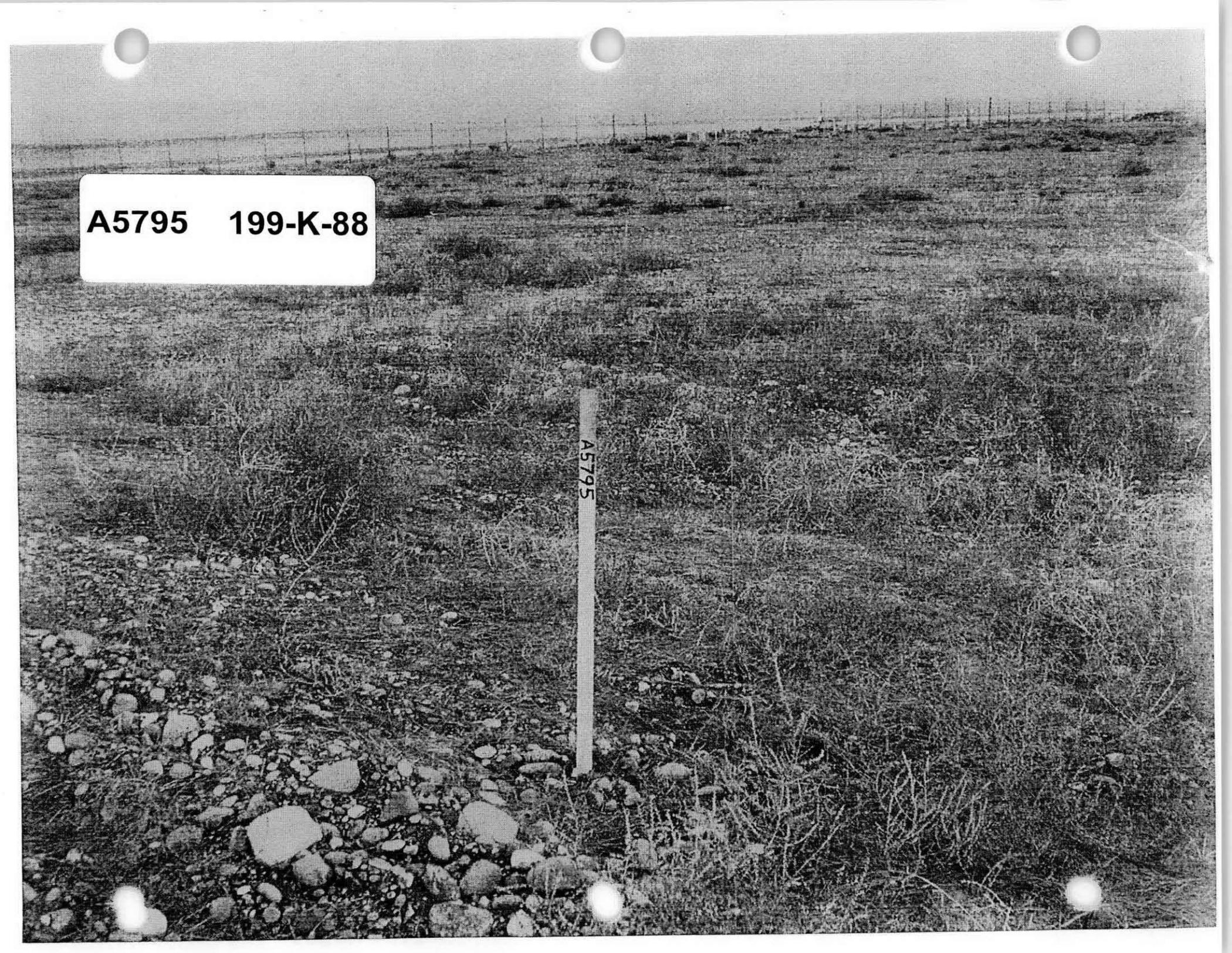
- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

**Discussion of Findings:**

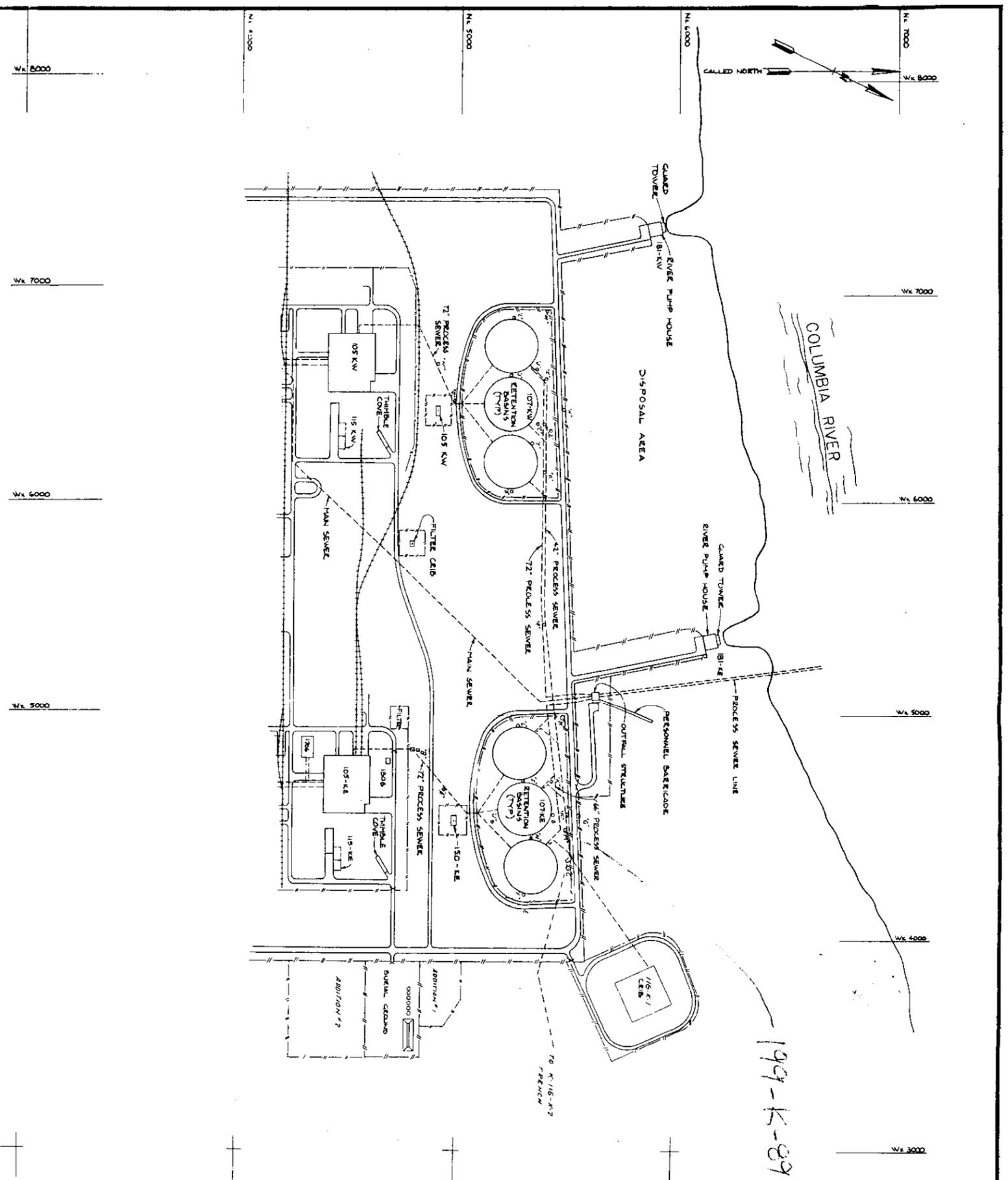
No evidence of well casing detected in scan area.

**A5795 199-K-88**

A5795







107-KE TEST HOLES			
NOTE NO.	NORTH	WEST	ELEVATION
A	4925.70	4606.12	439.27
B	4886.19	4686.63	461.50
C	5320.42	4315.61	439.61
D	5427.59	4562.71	440.17
E	5325.87	4140.06	441.19
F	5526.47	4557.47	439.19
G	5596.05	4568.10	441.98
H	5158.17	4407.82	441.98
I	5319.16	4673.30	440.46
J	5177.36	4530.02	440.71
K	5451.03	4710.43	439.84
L	5704.56	4938.14	440.46
M	5118.30	4492.68	438.50
N	5496.67	5035.79	438.56
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES			
NOTE NO.	NORTH	WEST	ELEVATION
A	5102.08	5464.59	440.18
B	5158.54	6050.06	440.38
C	5176.30	6450.28	440.41
D	5408.20	6177.77	439.96
E	5123.02	6291.62	440.71
F	5170.31	6371.65	440.78
G	5409.42	6371.77	440.46
H	5462.14	6347.86	437.96
I	5199.27	6591.03	440.25
J	5367.14	6658.49	440.58
K	5402.42	6609.90	439.79
L	5153.02	6861.47	446.50
M	5412.66	6945.05	434.41
N	4608.66	6655.59	463.10
O	4997.42	6474.61	451.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

**WELL ORDER NO**  
**WELL ID**                    **A5796**  
**WELL NAME**                **199-K-89**  
**HOST WELL ID**

**CONST DATE**  
**CONST DEPTH**

**LAST INSPECTION**    1/1/1801  
**NORTHING**            147010.51  
**EASTING**             569088.477  
**ELEVATION**          134.836

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
LAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR <input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input checked="" type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED <input checked="" type="checkbox"/> ND*	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED BY			
DATE ACTIVITY PERFORMED	ND*			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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT			WELL DIAM	COMPL DEPTH	TYPE	
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	-----			PREVIOUS WELL NAMES	
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
199-K-94	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
199-K-95	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

AB

# Coordinate Transformation Report

3/9/2006

## Input Data

Input Local Coordinate Source: Document  
 Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
M	-4492.680	5518.300	0.000	0.000

## Calculation Section

The Three Nearest Reference Points From Target: M

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	250.867
100-K-2	-5355.000	4132.000	569049.052	146514.684	1632.612
199-K-32A	-4686.520	5604.020	569024.150	147006.680	211.948

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
94.790	1.380	83.830	1.380

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

Local Coordinates  
 Transformed:  
 569088.570 147010.548

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

Local Coordinates  
 Transformed:  
 569088.567 147010.553

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
M	569088.567	147010.553	-4492.680	5518.300	2-pt

## SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5796

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer

*Lang Hartzel*

Page  
1 of 2

### DESCRIPTION OF WORK

Locate well A5796. If found, fill out WAR Report. If not found, set hub and lath. Take photo.

Coordinate System: US State Plane 1983

Zone: Washington South 4602

Project Datum: NAD 1983 (Conus)

Vertical Datum: NAVD 1988

Geoid Model: Geoid03

Units: Meters

### DISTRIBUTION

SDR

PLOT

DWG

Survey File

OR

B. Howard

1

C. Wright

1

G. Kelty

1

E. Rafuse

1

### SURVEY RESULTS AND COMMENTS

Well ID# A5796 was not found at listed coordinates: N147010.5 E569088.5  
Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

 Request No.:  
072-235

Project No.:

 Title:  
SCAN: Well Decommissioning / Well A5796

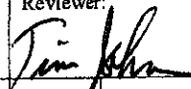
 File No. :  
100K-001

 Job No.:  
65400811.1225400/CA10

 Prepared by:  
S. Wray

 Date:  
3/27/07

Reviewer:



 Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5796

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
G.G. Kely	1		
C.S. Wright	1		

**DATE OF FIELD INVESTIGATION:** 3/27/07

 Weather: Temp 50°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

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- 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 staked well location.

**EQUIPMENT LIMITATIONS:**

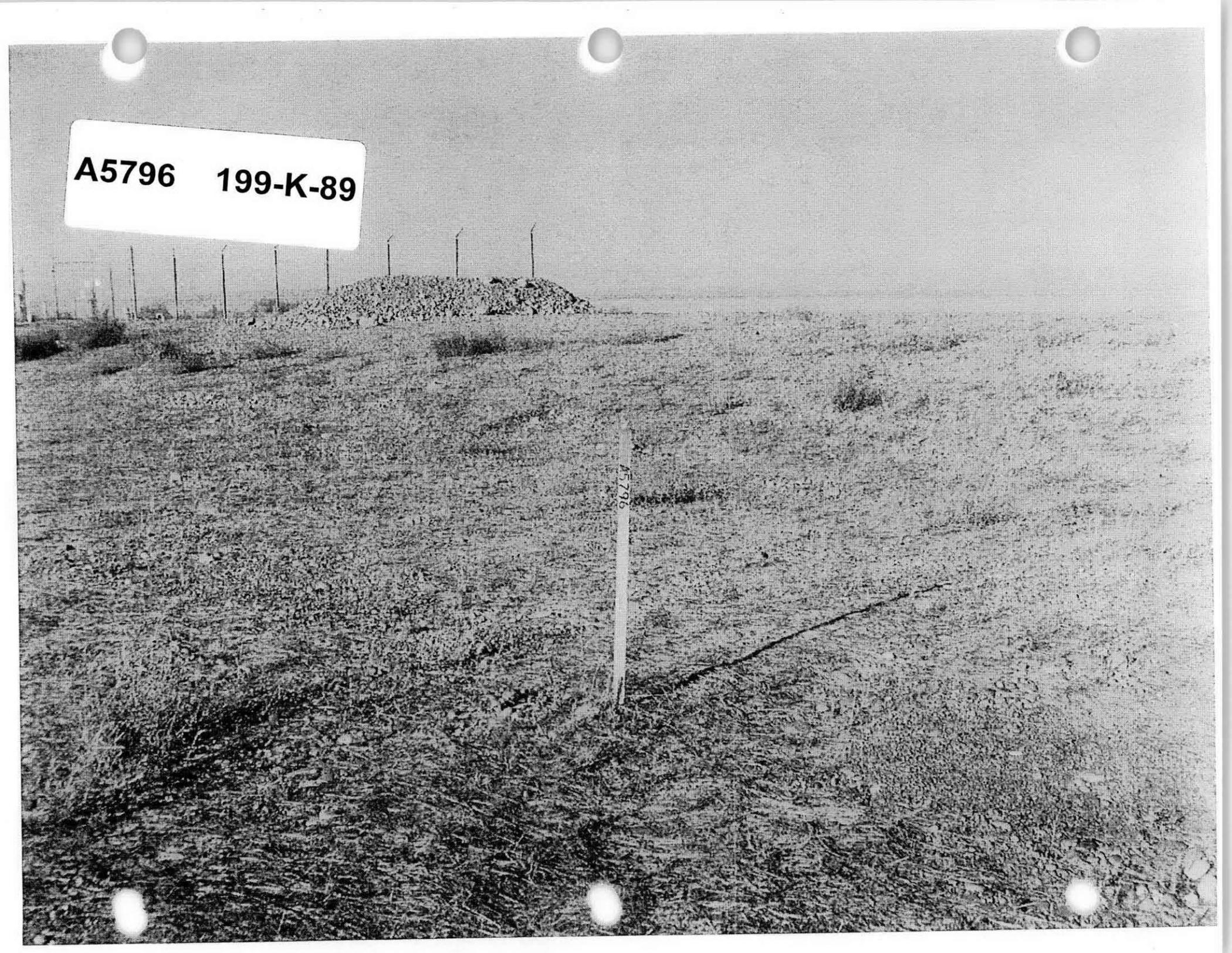
- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

**Discussion of Findings:**

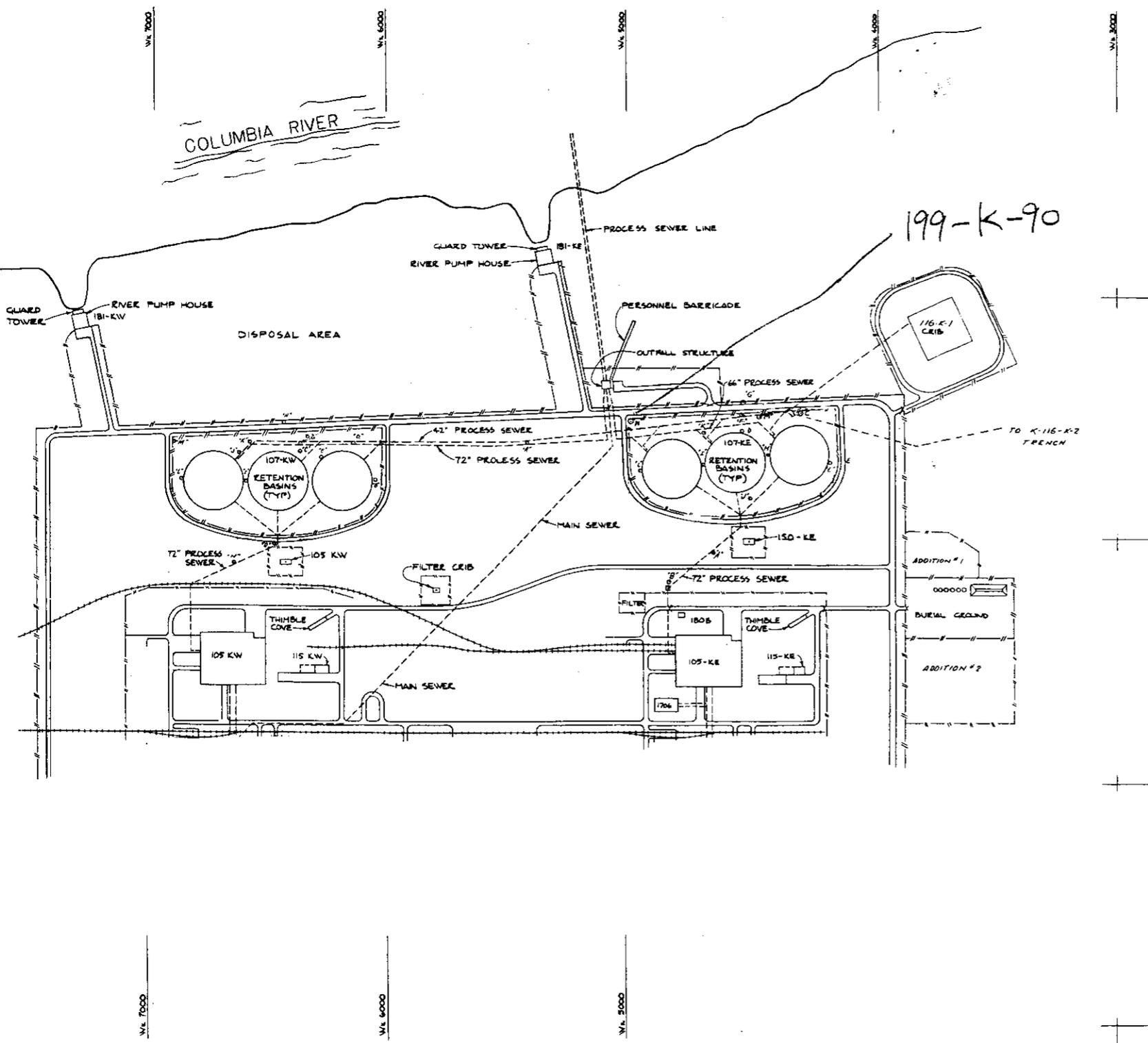
No evidence of well casing detected in scan area.

A5796 199-K-89

A5796



A5797 199-K-90



199-K-90

107-KE TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	4945.20	4606.12	459.37
B	4866.19	4866.63	462.50
C	5520.43	4315.61	439.81
D	5457.59	4567.73	440.17
E	5325.87	4140.88	440.19
F	5520.47	4567.47	439.79
G	5596.85	4569.10	441.98
H	5368.17	4407.82	440.98
I	5319.18	4675.70	440.46
J	5177.36	4530.82	440.71
K	5451.83	4710.43	439.84
L	5794.56	4938.18	440.46
M	5518.30	4492.68	438.90
N	5496.67	5035.79	438.58
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES			
HOLE NO	NORTH	WEST	ELEVATION
A	5402.48	5464.59	440.76
B	5259.34	6058.88	440.58
C	5374.36	4405.28	440.41
D	5400.20	6177.77	439.98
E	5323.42	6299.62	440.71
F	5476.51	6389.69	440.59
G	5403.42	6372.77	440.46
H	5448.18	6447.86	437.90
I	5749.27	6591.83	440.25
J	5367.14	6655.69	440.59
K	5402.42	6609.90	439.79
L	5253.03	6861.47	440.50
M	5412.66	6945.05	438.81
N	4888.66	6665.59	463.10
O	4997.43	6474.61	462.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

LD ORDER NO \_\_\_\_\_  
 WELL ID A5797  
 WELL NAME 199-K-90  
 HOST WELL ID \_\_\_\_\_

CONST DATE \_\_\_\_\_  
 CONST DEPTH \_\_\_\_\_

LAST INSPECTION 1/1/1801  
 NORTHING 146928.736  
 EASTING 568944.262  
 ELEVATION 134.738

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR <input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input checked="" type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED <input checked="" type="checkbox"/> ND*	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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			

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH		PERF/SCREEN			COMMENTS
	WELL TYPE	L 83		PLANT	WELL DIAM	COMPL DEPTH	-----	-----	
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
199-K-94	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
199-K-95	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

AB

# Coordinate Transformation Report

3/9/2006

## Input Data

Input Local Coordinate Source: Document  
 Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
N	-5035.790	5496.670	0.000	0.000

## Calculation Section

The Three Nearest Reference Points From Target: N

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point) In Feet:
199-K-32A	-4686.520	5604.020	569024.150	147006.680	365.395
100-K-2	-5355.000	4132.000	569049.052	146514.684	1401.506
199-K-32B	-4723.630	5616.260	569012.400	147004.810	334.284

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
83.830	1.380	94.790	1.380

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.705261e-001	-1.397694e-001	5.710752e+005	1.397050e-001	2.707885e-001	146143.906

Local Coordinates Transformed:

568944.668 146928.816

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

Local Coordinates Transformed:

568944.637 146928.865

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
N	568944.637	146928.865	-5035.790	5496.670	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5797

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Samy Hendel*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5797. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

### DISTRIBUTION

SDR

PLOT

DWG

Survey File

OR

B. Howard

1

C. Wright

1

G. Kely

1

E. Rafuse

1

## SURVEY RESULTS AND COMMENTS

Well ID# A5797 was not found at listed coordinates: N146928.7 E568944.3  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:

Title:  
SCAN: Well Decommissioning / Well A5797

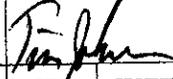
File No. :  
100K-001

Job No.:  
65400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/27/07

Reviewer:



Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5797

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

Soil Conditions:  Rocky  Sandy  Wet  Dry  
 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

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:**

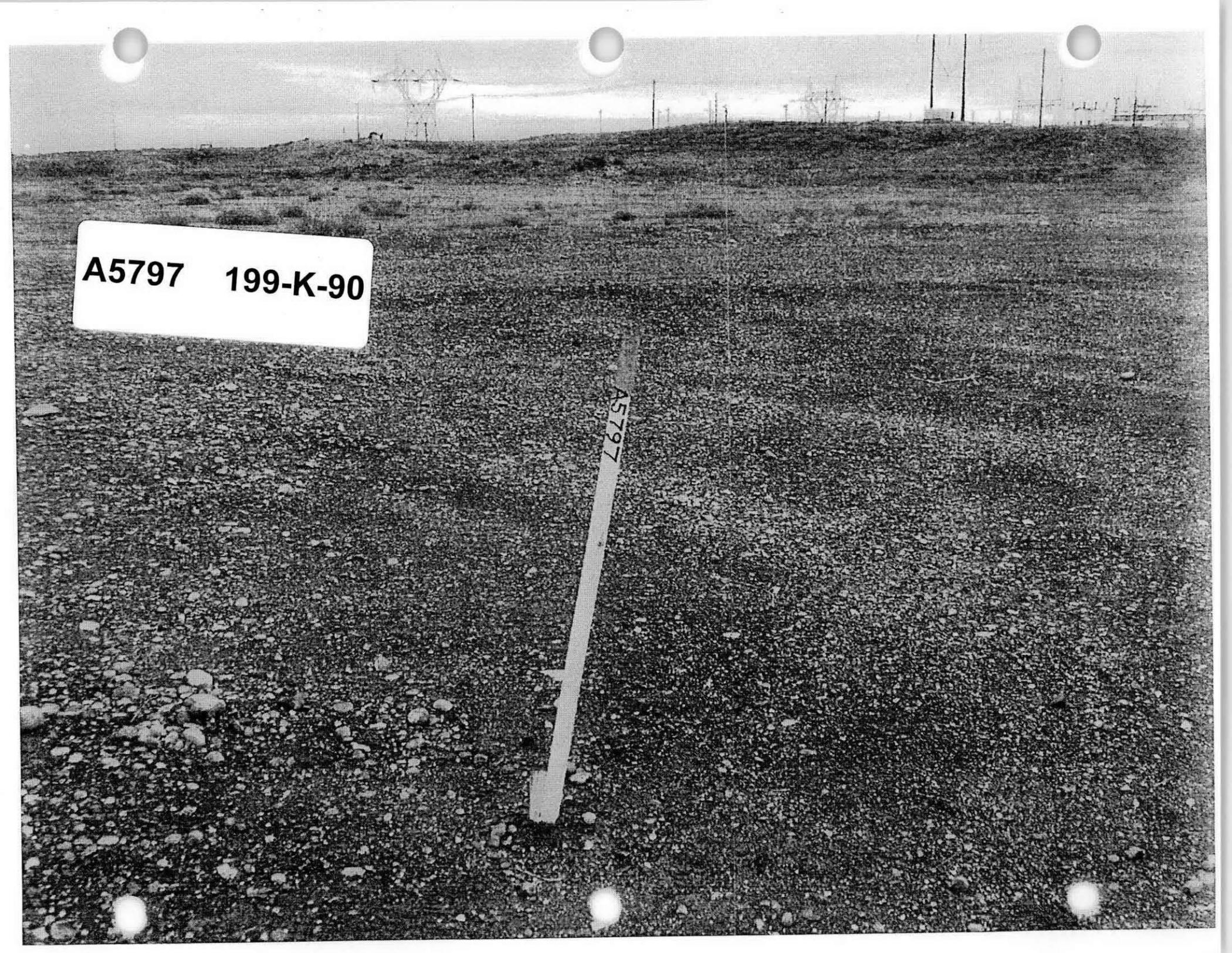
- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

**Discussion of Findings:**

No evidence of well casing detected in scan area.

A5797 199-K-90

A5797





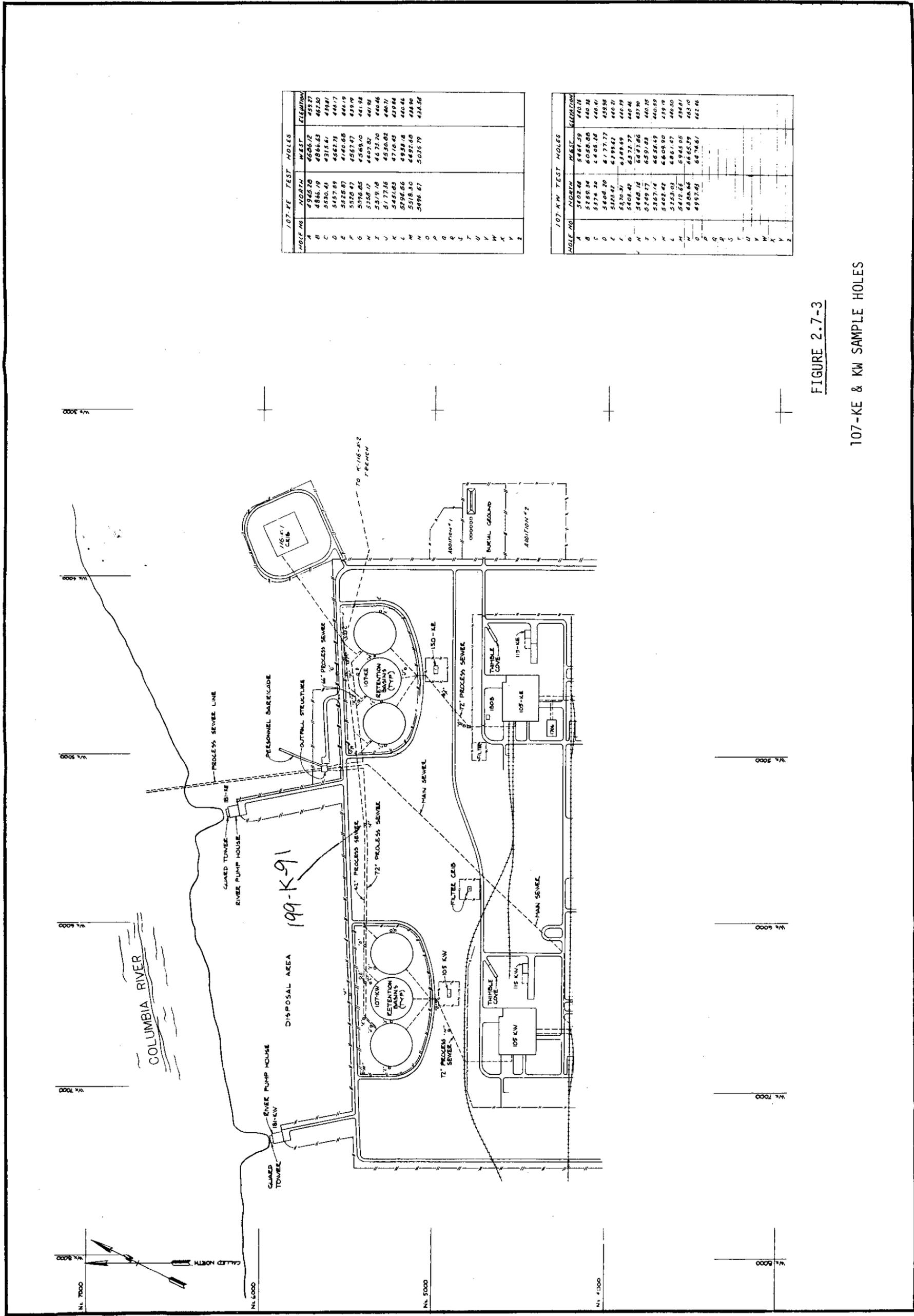


FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

FIELD ORDER NO \_\_\_\_\_  
 WELL ID A5798  
 WELL NAME 199-K-91  
 HOST WELL ID \_\_\_\_\_

CONST DATE \_\_\_\_\_  
 CONST DEPTH \_\_\_\_\_

LAST INSPECTION 1/1/1801  
 NORTHING 146843.206  
 EASTING 568841.315  
 ELEVATION 135.25

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
LAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR
	<input type="checkbox"/> MINOR				<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input checked="" type="checkbox"/> ND*	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED				<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED BY			
DATE ACTIVITY PERFORMED	ND*			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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT			WELL DIAM	COMPL DEPTH	TYPE	
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	-----			PREVIOUS WELL NAMES	
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
199-K-95	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

AB

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
A	-5464.590	5402.480	0.000	0.000

## Calculation Section

The Three Nearest Reference Points From Target: A

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32A	-4686.520	5604.020	569024.150	147006.680	803.748
199-K-33	-6442.030	5427.020	568573.650	146713.250	977.748
199-K-32B	-4723.630	5616.260	569012.400	147004.810	771.183

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
24.012	0.527	155.461	0.527

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.706692e-001	-1.393356e-001	5.710735e+005	1.398127e-001	2.711152e-001	146142.580

**Local Coordinates Transformed:**

568841.632 146843.255

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.705710e-001	-1.396332e-001	5.710747e+005	146144.789

**Local Coordinates Transformed:**

568841.769 146843.505

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
A	568841.769	146843.505	-5464.590	5402.480	2-pt

## SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5798

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer

*Larry Zerkel*

Page  
1 of 2

### DESCRIPTION OF WORK

### DISTRIBUTION

SDR

PLOT

DWG

Locate well A5798. If found, fill out WAR Report. If not found, set hub and lath. Take photo.

Coordinate System: US State Plane 1983

Zone: Washington South 4602

Project Datum: NAD 1983 (Conus)

Vertical Datum: NAVD 1988

Geoid Model: Geoid03

Units: Meters

Survey File

OR

B. Howard

1

C. Wright

1

G. Kelty

1

E. Rafuse

1

### SURVEY RESULTS AND COMMENTS

Well ID# A5798 was not found at listed coordinates: N146843.2 E568841.3  
Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

 Request No.:  
072-235

 Project No.:  
Job No.:  
65400811.1225400/CA10

 Title:  
SCAN: Well Decommissioning / Well A5798  
  
Prepared by:  
S. Wray

 File No. :  
100K-001

 Date:  
3/27/07  
Reviewer:  
*[Signature]*  
Page  
1 of 1

 DESCRIPTION OF WORK:  
  
Perform ground scan at staked location of Well A5798

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry  
 Depth of Investigation 6 feet

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

 Required Functional Checks  
 Current/Completed  
  
  
  


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

Documentation Provided: NONE

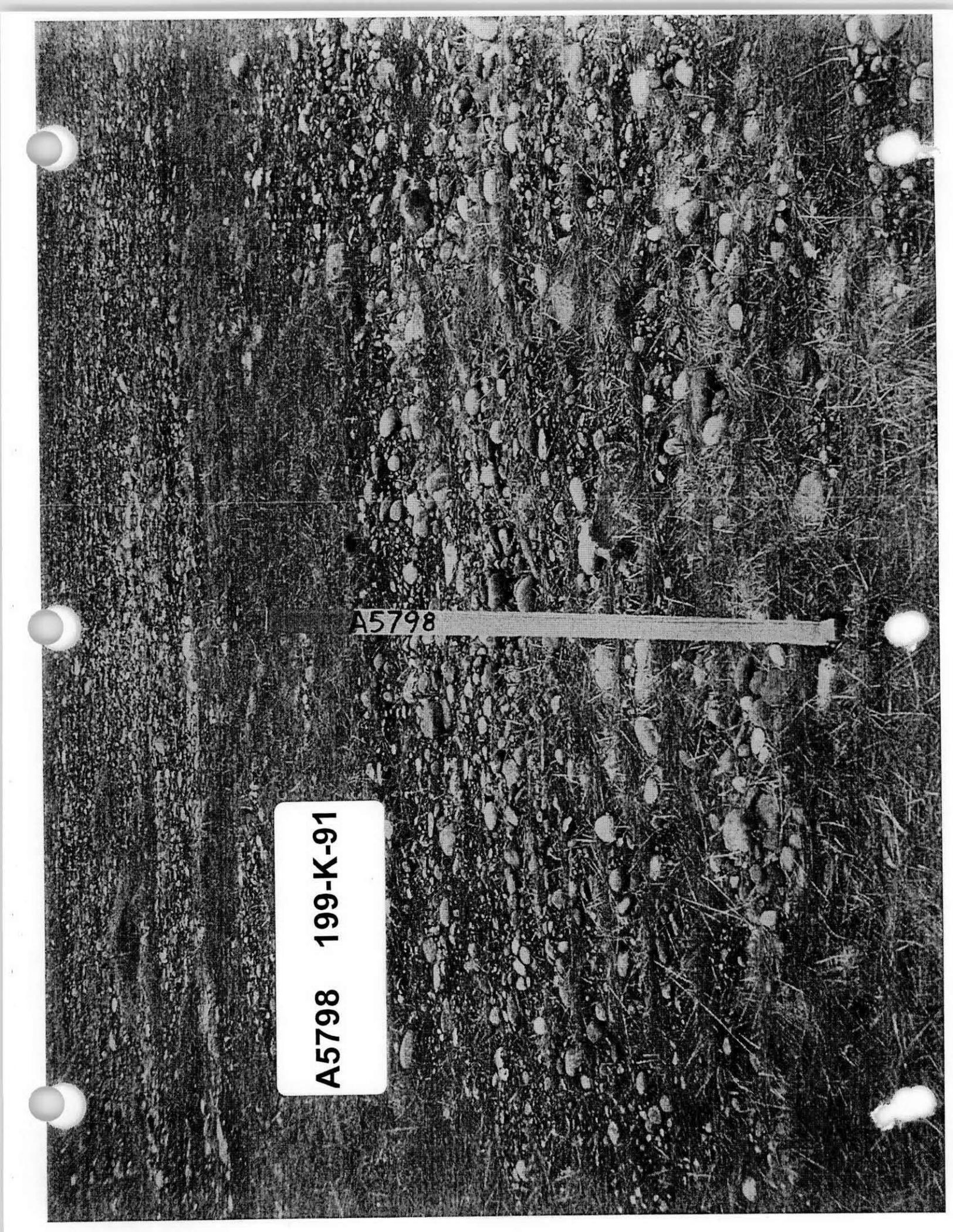
Limits of Investigation: 20 ft square area around staked well location.

**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:**  
  
 No evidence of well casing detected in scan area.

A5798 199-K-91

A5798





# WELL ATTRIBUTES REPORT

WELL ORDER NO					<b>LAST INSPECTION</b>	1/1/1801
WELL ID	A5799				<b>NORTHING</b>	146828.278
WELL NAME	199-K-92	<b>CONST DATE</b>			<b>EASTING</b>	568700.603
HOST WELL ID		<b>CONST DEPTH</b>			<b>ELEVATION</b>	135.287

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR				<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED			PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED		<input checked="" type="checkbox"/> ND*		<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS	
		L 83	PLANT			WELL DIAM	COMPL DEPTH	TYPE		DIAM
PUMP TYPE	NS/EW	NS/EW	DATE	COMPL	DEPTH	WATER				PREVIOUS WELL NAMES
199-K-86	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

AB

## HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUA
A5799	199-K-92	BHI	NAD83(91)	01/01/1801	CONVERTED	146828.278	568700.603	m	P

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5799

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Larry Herbe*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5799. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

DISTRIBUTION	SDR	PLOT	DWG
--------------	-----	------	-----

Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kelty	1		
E. Rafuse	1		

## SURVEY RESULTS AND COMMENTS

Well ID# A5799 was not found at listed coordinates: N146828.3 E568700.6  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

 Request No.:  
072-235

Project No.:

 Title:  
SCAN: Well Decommissioning / Well A5799

 File No.:  
100K-001

 Job No.:  
65400811.1225400/CA10

 Prepared by:  
S. Wray

 Date:  
3/29/07

 Reviewer:  
*Larry Hinkle*

 Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5799

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

**DATE OF FIELD INVESTIGATION:** 3/29/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry  
 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

 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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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:**

No evidence of well casing detected in scan area.

A5799 199-K-92

A5799





# WELL ATTRIBUTES REPORT

**WELL ORDER NO**  
**WELL ID**                    A5800  
**WELL NAME**                199-K-93  
**HOST WELL ID**

**CONST DATE**  
**CONST DEPTH**

**LAST INSPECTION**    1/1/1801  
**NORTHING**            146704.06  
**EASTING**              568590.656  
**ELEVATION**            135.296

LAST INSPECTION INFORMATION			CURRENT INSPECTION INFORMATION		
WELL PAD	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES <input type="checkbox"/> NO		
BRASS SURVEY MARKER	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES <input type="checkbox"/> NO		
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO		
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES <input type="checkbox"/> NO		
PROTECTIVE POSTS	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES <input type="checkbox"/> NO		
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL LOCK	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL DAMAGED	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL IS DRY	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES <input type="checkbox"/> NO		
PARTED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO		
BENTONITE IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL SANDED IN	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES <input type="checkbox"/> NO		
SLIPPED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO		
EQUIPMENT IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO		
DEBRIS IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO		
SURFACE EROSION	<input type="checkbox"/> MAJOR <input type="checkbox"/> NONE <input type="checkbox"/> MINOR <input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR <input type="checkbox"/> NONE <input type="checkbox"/> MINOR		
LAST PUMP INFORMATION			CURRENT PUMP INFORMATION		
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED <input type="checkbox"/> REPLACED <input checked="" type="checkbox"/> ND* <input type="checkbox"/> REMOVED	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED <input type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES <input type="checkbox"/> NO		
NEW PUMP	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES <input type="checkbox"/> NO		
ACTIVITY PERFORMED BY	ND*	ACTIVITY PERFORMED 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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	TYPE	DIAM	TOP	BOT
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER					
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

AB

# Coordinate Transformation Report

3/9/2006

## Input Data

Input Local Coordinate Source: Document  
 Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
C	-6405.280	5374.300	0.000	0.000

## Calculation Section

The Three Nearest Reference Points From Target: C

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	64.265
100-K-2	-5355.000	4132.000	569049.052	146514.684	1626.775
199-K-34	-6666.640	4762.520	568605.780	146501.940	665.270

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

Local Coordinates Transformed:  
 568590.972 146704.117

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

Local Coordinates Transformed:  
 568590.973 146704.117

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
C	568590.973	146704.117	-6405.280	5374.300	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5800

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*James Hentze*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5800. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

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

## SURVEY RESULTS AND COMMENTS

Well ID# A5800 was not found at listed coordinates: N146704.1 E568590.7  
 Set hub and lath. Took Photo.

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

<b>SCAN DATA REPORT</b>				Request No.: 072-235	
Project No.:	Title: SCAN: Well Decommissioning / Well A5800	File No. : 100K-001			
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/27/07	Reviewer: <i>Tim</i>	Page 1 of 1	
DESCRIPTION OF WORK:  Perform ground scan at staked location of Well A5800		DISTRIBUTION	SDR	SKETCH	
		Survey File	OR	OR	
		B.J. Howard	1		
		E.C. Rafuse	1		
		G.G. Kelty	1		
		C.S. Wright	1		
<b>DATE OF FIELD INVESTIGATION:</b> 3/20/07					
Weather: Temp <u>50</u> °F Wind <u>5</u> MPH		Soil Conditions: <input checked="" type="checkbox"/> Rocky <input type="checkbox"/> Sandy <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry			
<input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Clear <input type="checkbox"/> P. Cloudy <input type="checkbox"/> Fog		Depth of Investigation <u>6</u> feet			
Equipment Used:		Required Functional Checks			
<u>    </u> 50/60 Hz detector (for energized lines)		Current/Completed			
<input checked="" type="checkbox"/> Radio Frequency Electromagnetics (RF)		<input type="checkbox"/>			
<input checked="" type="checkbox"/> Ground Penetrating Radar (GPR)		<input checked="" type="checkbox"/>			
<u>    </u> Other (identify)		<input type="checkbox"/>			
GPR Antenna(s) Used: <input type="checkbox"/> 1000 MHz <input type="checkbox"/> 500 MHz <input type="checkbox"/> 400 MHz <input checked="" type="checkbox"/> 300 MHz					
Documentation Provided: NONE					
Limits of Investigation: 20 ft square area around staked well location.					
<b>EQUIPMENT LIMITATIONS:</b>					
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:					
No evidence of well casing detected in scan area.					

A5800 199-K-93

A5800



# SCAN DATA REPORT

 Request No.:  
072-235

Project No.:

 Title:  
SCAN: Well Decommissioning / Well A5801

 File No. :  
100K-001

 Job No.:  
65400811.1225400/CA10

 Prepared by:  
S. Wray

 Date:  
3/27/07

 Reviewer:  
*Tim Johnson*

 Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5801

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry

 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

 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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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:**

No evidence of well casing detected in scan area.

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5801

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Larry Hanka*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5801. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

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

## SURVEY RESULTS AND COMMENTS

Well ID# A5801 was not found at listed coordinates: N146768.3 E568635.5  
 Set hub and lath. Took Photo.

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

A5801 199-K-94

# WELL ATTRIBUTES REPORT

LD ORDER NO \_\_\_\_\_  
 WELL ID A5801  
 WELL NAME 199-K-94  
 HOST WELL ID \_\_\_\_\_

CONST DATE \_\_\_\_\_  
 CONST DEPTH \_\_\_\_\_

LAST INSPECTION 1/1/1801  
 NORTHING 146768.339  
 EASTING 568635.531  
 ELEVATION 135.165

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

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	TYPE	DIAM	TOP	BOT
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER					
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
199-K-94	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

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  
 AB

**HWIS Interface - Survey Information - Horizontal**

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUA
A5801	199-K-94	BHI	NAD83(91)	01/01/1801	CONVERTED	146768.339	568635.531	m	P

SCAN DATA REPORT				Request No.: 072-235	
Project No.: NA	Title: SCAN: Well Decommissioning / Well A5801		File No.: 100K-001		
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/27/07	Reviewer: <i>T. Johnson</i>	Page 1 of 1	
DESCRIPTION OF WORK:  Perform ground scan at staked location of Well A5801		DISTRIBUTION	SDR	SKETCH	DWG
		Survey File	OR	OR	
		B.J. Howard	1		
		E.C. Rafuse	1		
		G.G. Kely	1		
		C.S. Wright	1		
DATE OF FIELD INVESTIGATION: 3/20/07					
Weather: Temp <u>50°F</u> Wind <u>5</u> MPH <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Clear <input type="checkbox"/> P. Cloudy <input type="checkbox"/> Fog		Soil Conditions: <input checked="" type="checkbox"/> Rocky <input type="checkbox"/> Sandy <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry			
		Depth of Investigation <u>6</u> feet			
Equipment Used:		Required Functional Checks			
<u>    </u> 50/60 Hz detector (for energized lines)		Current/Completed			
<input checked="" type="checkbox"/> Radio Frequency Electromagnetics (RF)		<input type="checkbox"/>			
<input checked="" type="checkbox"/> Ground Penetrating Radar (GPR)		<input checked="" type="checkbox"/>			
<u>    </u> Other (identify)		<input type="checkbox"/>			
GPR Antenna(s) Used: <input type="checkbox"/> 1000 MHz <input type="checkbox"/> 500 MHz <input type="checkbox"/> 400 MHz <input checked="" type="checkbox"/> 300 MHz					
Documentation Provided: NONE					
Limits of Investigation: 20 ft square area around staked well location.					
<b>EQUIPMENT LIMITATIONS:</b>					
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.					
<b>Discussion of Findings:</b>					
No evidence of well casing detected in scan area.					

SURVEY DATA REPORT				Request No. 072-135		
Project No. N/A		Title: Well Decommissioning: A5801		File No. 1KT13R26		
Job No. 65400811.1225400		Prepared By Tim Johnson	Date 3/27/2007	Reviewer <i>Larry Hanks</i>	Page 1 of 2	
DESCRIPTION OF WORK			DISTRIBUTION	SDR	PLOT	DWG
Locate well A5801. If found, fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03 Units: Meters			Survey File	OR		
			B. Howard	1		
			C. Wright	1		
			G. Kelly	1		
			E. Rafuse	1		
SURVEY RESULTS AND COMMENTS						
Well ID# A5801 was not found at listed coordinates: N146768.3 E568635.5 Set hub and lath. Took Photo.						
NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.						

A5801 199-K-94

199-K-94  
A5801



# WELL ATTRIBUTES REPORT

WELL ORDER NO					
WELL ID	A5802	CONST DATE		LAST INSPECTION	1/1/1801
WELL NAME	199-K-95	CONST DEPTH		NORTHING	146621.166
HOST WELL ID				EASTING	568463.903
				ELEVATION	135.235

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
LAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR				<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED			PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED		<input checked="" type="checkbox"/> ND*		<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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			

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS	
	WELL TYPE	L 83	PLANT	WELL DIAM	COMPL DEPTH	-----			
	PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
199-K-95	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; J. K. Merz

August 1993

Prepared for U. S. Dept of Energy under

Contract DE-AC06-76RLO 1830

Pacific NW Lab by Battelle Memorial Institute

**HWIS Interface - Survey Information - Horizontal**

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUA
A5802	199-K-95	BHI	NAD83(91)	01/01/1801	CONVERTED	146621.166	568463.903	m	P

# SURVEY DATA REPORT

Request No.  
072-135

Project No.	Title: Well Decommissioning: A5802	File No. 1KT13R26
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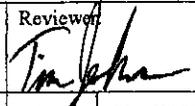
Job No. 65400811.1225400	Prepared By Tim Johnson	Date 3/27/2007	Reviewer <i>Jamy Henke</i>	Page 1 of 2
-----------------------------	----------------------------	-------------------	-------------------------------	----------------

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5802. If found, fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03 Units: Meters	Survey File	OR		
	B. Howard	1		
	C. Wright	1		
	G. Kelty	1		
	E. Rafuse	1		

## SURVEY RESULTS AND COMMENTS

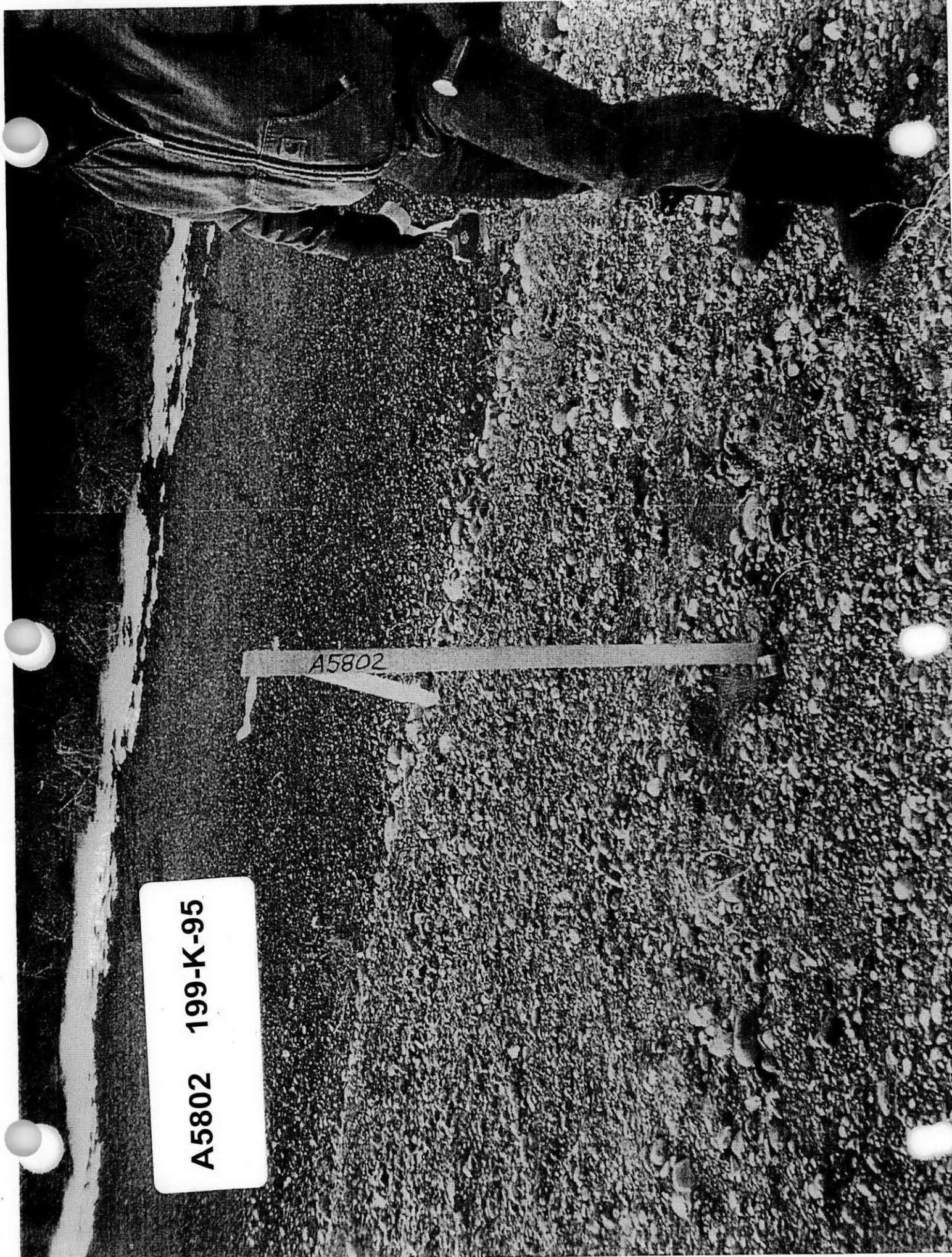
Well ID# A5802 was not found at listed coordinates: N146621.2 E568463.9  
 Set hub and lath. Took Photo.

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

<b>SCAN DATA REPORT</b>				Request No.: 072-235	
Project No.:	Title: SCAN: Well Decommissioning / Well A5802	File No. : 100K-001			
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/27/07	Reviewed: 	Page 1 of 1	
DESCRIPTION OF WORK:  Perform ground scan at staked location of Well A5802		DISTRIBUTION	SDR	SKETCH	DWG
		Survey File	OR	OR	
		B.J. Howard	1		
		E.C. Rafuse	1		
		G.G. Kelty	1		
		C.S. Wright	1		
<b>DATE OF FIELD INVESTIGATION:</b> 3/20/07					
Weather: Temp <u>50°F</u> Wind <u>5</u> MPH		Soil Conditions: <input checked="" type="checkbox"/> Rocky <input type="checkbox"/> Sandy <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry			
<input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Clear <input type="checkbox"/> P. Cloudy <input type="checkbox"/> Fog		Depth of Investigation <u>6</u> feet			
Equipment Used:		Required Functional Checks Current/Completed			
<u>    </u> 50/60 Hz detector (for energized lines)		<input type="checkbox"/>			
<u>  x  </u> Radio Frequency Electromagnetics (RF)		<input checked="" type="checkbox"/>			
<u>  x  </u> Ground Penetrating Radar (GPR)		<input checked="" type="checkbox"/>			
<u>    </u> Other (identify)		<input type="checkbox"/>			
GPR Antenna(s) Used: <input type="checkbox"/> 1000 MHz <input type="checkbox"/> 500 MHz <input type="checkbox"/> 400 MHz <input checked="" type="checkbox"/> 300 MHz					
Documentation Provided: NONE					
Limits of Investigation: 20 ft square area around staked well location.					
<b>EQUIPMENT LIMITATIONS:</b>					
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.					
<b>Discussion of Findings:</b>					
No evidence of well casing detected in scan area.					

A5802 199-K-95

A5802





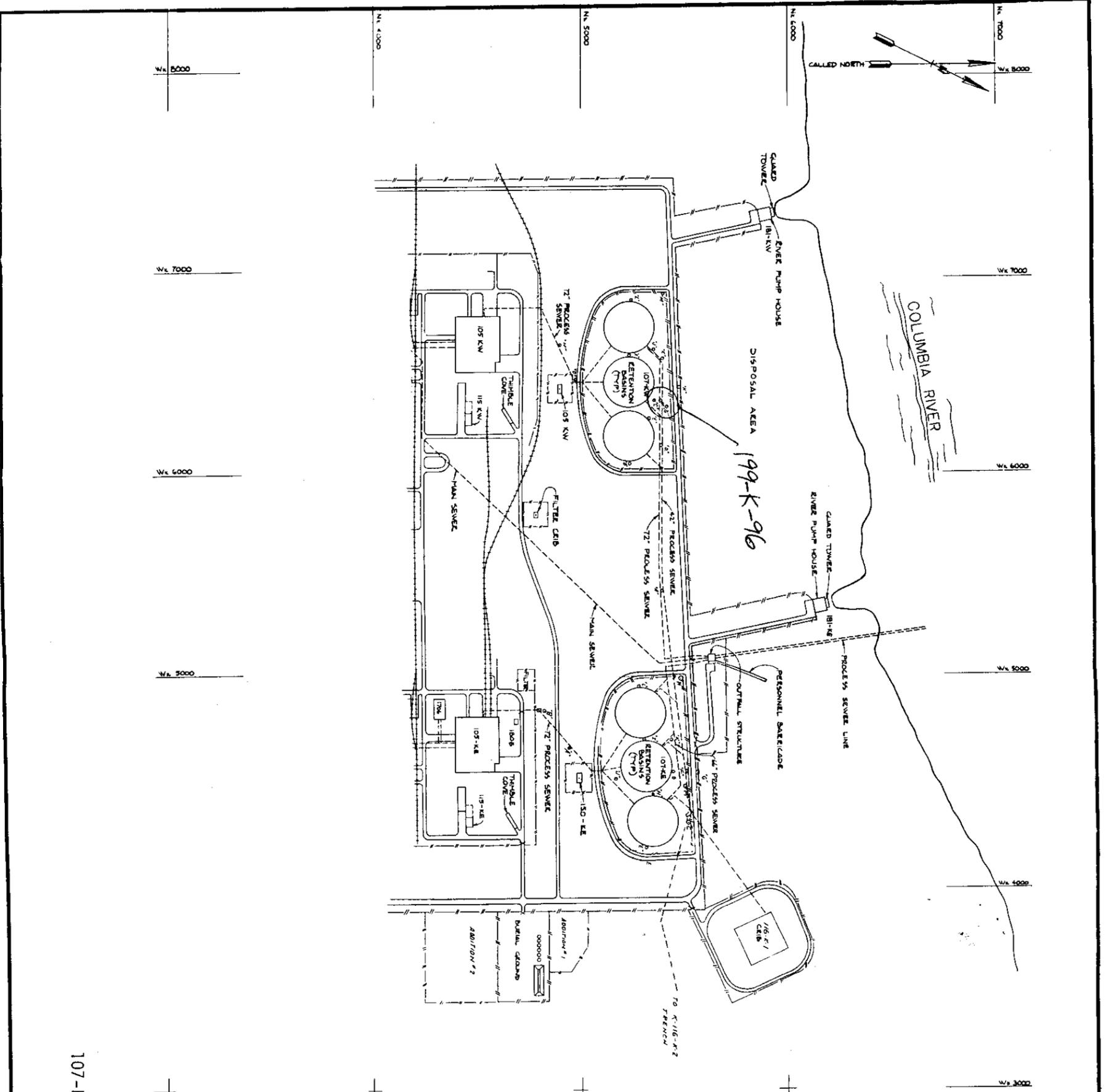


FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

107-KE TEST HOLES			
WELL NO.	NORTH	WEST	ELEVATION
A	4945.20	4656.12	439.27
B	4886.19	4315.61	462.20
C	5330.43	4582.71	430.1
D	5437.59	4180.48	441.7
E	5328.87	4587.47	439.9
F	5328.87	4587.47	441.9
G	5396.85	4565.10	441.9
H	5382.12	4407.92	440.6
I	5319.18	4520.82	440.7
J	5177.35	4716.43	439.8
K	5294.65	4938.18	440.6
L	5181.30	4492.68	438.50
M		5035.79	438.52
N	5496.62		
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES			
WELL NO.	NORTH	WEST	ELEVATION
A	5462.48	5464.59	440.18
B	5158.34	6058.88	440.18
C	5176.36	6405.28	440.41
D	5464.20	6173.77	438.56
E	5328.41	6293.41	440.21
F	5326.31	6348.49	440.29
G	5408.42	6372.77	440.46
H	5464.18	6287.86	437.86
I	5289.17	6591.43	440.28
J	5367.14	6658.49	440.59
K	5402.42	6605.90	439.9
L	5253.03	6461.47	440.20
M	5417.66	6445.05	434.61
N	4804.46	6665.39	443.10
O	4997.69	6474.61	442.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

# WELL ATTRIBUTES REPORT

WELL ORDER NO			LAST INSPECTION	1/1/1801
WELL ID	A5803		NORTHING	146705.16
WELL NAME	199-K-96	CONST DATE	EASTING	568595.436
HOST WELL ID		CONST DEPTH	ELEVATION	135.29

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
LAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR				<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input checked="" type="checkbox"/> ND*	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED				<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED BY			
DATE ACTIVITY PERFORMED	ND*			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			

WELL NAME	WELL TYPE PUMP TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS	
		L 83 NS/EW	PLANT NS/EW	WELL DIAM DATE_COMPL	COMPL DEPTH DEPTH_WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES
199-K-86	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
										SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
199-K-96	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; 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

# Coordinate Transformation Report

3/9/2006

## Input Data

Input Local Coordinate Source: Document  
 Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
F	-6389.690	5370.310	0.000	0.000

## Calculation Section

The Three Nearest Reference Points From Target: F

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	77.172
100-K-2	-5355.000	4132.000	569049.052	146514.684	1613.690
199-K-34	-6666.640	4762.520	568605.780	146501.940	667.915

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

### Local Coordinates Transformed:

568595.751 146705.217

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

### Local Coordinates Transformed:

568595.751 146705.218

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
F	568595.751	146705.218	-6389.690	5370.310	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5803

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Lamy Hendel*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5803. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

### DISTRIBUTION

SDR

PLOT

DWG

Survey File

OR

B. Howard

1

C. Wright

1

G. Kelty

1

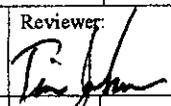
E. Rafuse

1

## SURVEY RESULTS AND COMMENTS

Well ID# A5803 was not found at listed coordinates: N146705.2 E568595.4  
 Set hub and lath. Took Photo.

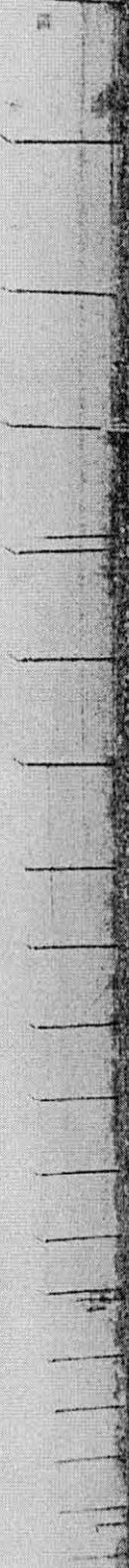
NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT				Request No.: 072-235	
Project No.:	Title: SCAN: Well Decommissioning / Well A5803	File No. : 100K-001			
Job No.: 65400811.1225400/CA10	Prepared by: S. Wray	Date: 3/27/07	Reviewer: 	Page 1 of 1	
DESCRIPTION OF WORK:  Perform ground scan at staked location of Well A5803		DISTRIBUTION	SDR	SKETCH	DWG
		Survey File	OR	OR	
		B.J. Howard	1		
		E.C. Rafuse	1		
		G.G. Kely	1		
		C.S. Wright	1		
<b>DATE OF FIELD INVESTIGATION:</b> 3/20/07					
Weather: Temp <u>50</u> °F Wind <u>5</u> MPH		Soil Conditions: <input checked="" type="checkbox"/> Rocky <input type="checkbox"/> Sandy <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry			
<input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Clear <input type="checkbox"/> P. Cloudy <input type="checkbox"/> Fog		Depth of Investigation <u>6</u> feet			
Equipment Used:		Required Functional Checks			
<u>    </u> 50/60 Hz detector (for energized lines)		Current/Completed			
<u>  x  </u> Radio Frequency Electromagnetics (RF)		<input type="checkbox"/>			
<u>  x  </u> Ground Penetrating Radar (GPR)		<input checked="" type="checkbox"/>			
<u>    </u> Other (identify)		<input type="checkbox"/>			
GPR Antenna(s) Used: <input type="checkbox"/> 1000 MHz <input type="checkbox"/> 500 MHz <input type="checkbox"/> 400 MHz <input checked="" type="checkbox"/> 300 MHz					
Documentation Provided: NONE					
Limits of Investigation: 20 ft square area around staked well location.					
<b>EQUIPMENT LIMITATIONS:</b>					
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.					
<b>Discussion of Findings:</b>					
No evidence of well casing detected in scan area.					

A5803 199-K-96

A 5803

KT



A5804 199-K-97

# WELL ATTRIBUTES REPORT

WELL ORDER NO					
WELL ID	A5804	CONST DATE		LAST INSPECTION	1/1/1801
WELL NAME	199-K-97	CONST DEPTH		NORTHING	146715.652
HOST WELL ID				EASTING	568593.79
				ELEVATION	135.311

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
LAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR	<input checked="" type="checkbox"/> ND*			<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED			PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED		<input checked="" type="checkbox"/> ND*		<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	-----	-----	-----	PREVIOUS WELL NAMES
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	
199-K-86	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE J
199-K-87	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE K
199-K-88	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE L
199-K-89	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE M
199-K-90	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KE N
199-K-91	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW A
199-K-92	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW B
199-K-93	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW C
199-K-94									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW D
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW E
									SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW F
199-K-97	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW G

## Hanford Wells

PNL-8800 UC-903

M. A. Chamness &amp; J. K. Merz

August 1993

Prepared for U. S. Dept of Energy under

Contract DE-AC06-76RLO 1830

Pacific NW Lab by Battelle Memorial Institute

**HWIS Interface - Survey Information - Horizontal**

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUAL
A5804	199-K-97	BHI	NAD83(91)	01/01/1801	CONVERTED	146715.652	568593.79	m	P

## SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5804

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer

*Larry Henry*

Page  
1 of 2

### DESCRIPTION OF WORK

Locate well A5804. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kely	1		
E. Rafuse	1		

### SURVEY RESULTS AND COMMENTS

Well ID# A5804 was not found at listed coordinates: N146715.7 E568593.8  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

 Request No.:  
072-235

Project No.:

 Title:  
SCAN: Well Decommissioning / Well A5804

 File No. :  
100K-001

 Job No.:  
65400811.1225400/CA10

 Prepared by:  
S. Wray

 Date:  
3/27/07

 Reviewer:  
*Tim J. Khan*

 Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5804

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry

 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

 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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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.

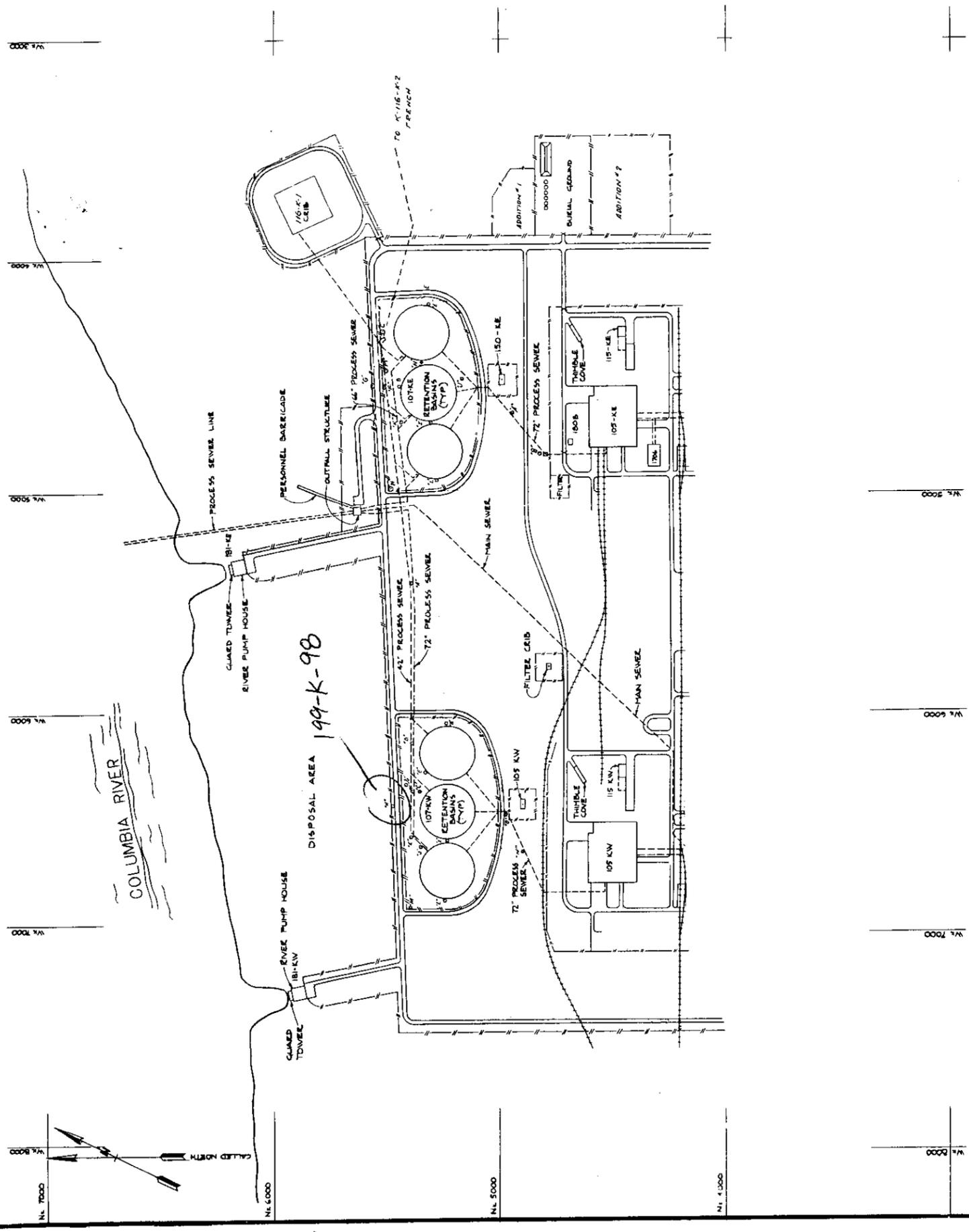
**Discussion of Findings:**

No evidence of well casing detected in scan area.

A5804

A5804 199-K-97





MOLE NO	NORTH	WEST	ELEVATION
A	4945.28	4606.12	459.27
B	4846.19	4664.63	462.80
C	5630.43	4315.41	439.81
D	5457.59	4562.73	444.17
E	5325.87	4166.68	444.19
F	5528.47	4567.47	439.19
G	5596.65	4569.00	441.98
H	5358.17	4407.62	441.98
I	5319.18	4573.70	440.46
J	5177.36	4530.82	440.71
K	5451.83	4718.43	439.84
L	5798.56	4938.38	440.46
M	5518.30	4492.68	438.90
N	5496.67	5025.79	438.58

MOLE NO	NORTH	WEST	ELEVATION
A	5402.48	5444.59	440.78
B	5759.34	6058.88	440.46
C	5374.36	4405.28	440.46
D	5408.70	6177.77	439.58
E	5323.42	6298.62	440.21
F	5370.31	6343.49	444.39
G	5408.42	6377.77	440.46
H	5448.16	6647.46	437.80
I	5289.27	6591.83	440.59
J	5387.14	6638.49	440.59
K	5402.42	6409.90	439.19
L	5253.03	6481.47	446.50
M	5412.66	6943.05	434.81
N	4888.46	6485.39	463.10
O	4997.43	6474.61	462.46

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

WELL ORDER NO					
WELL ID	A5805	CONST DATE		LAST INSPECTION	1/1/1801
WELL NAME	199-K-98	CONST DEPTH		NORTHING	146718.104
HOST WELL ID				EASTING	568568.799
				ELEVATION	134.531

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR	<input checked="" type="checkbox"/> ND*			<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED			PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED		<input checked="" type="checkbox"/> ND*		<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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

6/15/2005

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS	
		L 83	PLANT	WELL DIAM	COMPL DEPTH	-----	-----	-----	PREVIOUS WELL NAMES	
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT		
199-K-98	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW H	
<p style="text-align: center;">Hanford Wells PNL-8800 UC-903 M. A. Chamness &amp; 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</p>										
199-K-102	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW L	
199-K-103	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW M	
199-K-104	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW N	
199-K-105	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW O	
199-N-1	GW			86157.00 -60593.00	456.10 8.0 5/64	100.0	P	8.0	34.0	95.0
199-N-10	GW			86157.00 -60593.00	456.37 1.5 10/64	60.0	P	1.5	40.0	60.0
199-N-1P	GW			86157.00 -60593.00	456.38 1.5 10/64	98.0	P	1.5	88.0	98.0
199-N-1Q	GW			86157.00 -60593.00	456.36 1.5		P	1.5	72.0	74.0

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
H	-6447.860	5448.140	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** H

**Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	21.910
100-K-2	-5355.000	4132.000	569049.052	146514.684	1710.721
199-K-34	-6666.640	4762.520	568605.780	146501.940	719.680

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

**Local Coordinates Transformed:**  
 568569.118 146718.152

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

**Local Coordinates Transformed:**  
 568569.118 146718.152

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
H	568569.118	146718.152	-6447.860	5448.140	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.

Title:  
Well Decommissioning: A5805

File No.  
1KT13R26

Job No.  
65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer

*Larry Herbel*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5805. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

### DISTRIBUTION

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

## SURVEY RESULTS AND COMMENTS

Well ID# A5805 was not found at listed coordinates: N146718.1 E568568.8  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:

Title:  
SCAN: Well Decommissioning / Well A5805

File No. :  
100K-001

Job No.:  
65400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/27/07

Reviewer:  
*Tim Johnson*

Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5805

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

Soil Conditions:  Rocky  Sandy  Wet  Dry

Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**

- Current/Completed
- - 
  - 
  -

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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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:**

No evidence of well casing detected in scan area.

A5805 199-K-98

A 5805





# WELL ATTRIBUTES REPORT

**LD ORDER NO**  
**WELL ID**                    **A5806**  
**WELL NAME**                **199-K-99**  
**HOST WELL ID**

**CONST DATE**  
**CONST DEPTH**

**LAST INSPECTION**    1/1/1801  
**NORTHING**            146779.525  
**EASTING**              568487.699  
**ELEVATION**            135.247

LAST INSPECTION INFORMATION			CURRENT INSPECTION INFORMATION		
WELL PAD	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES <input type="checkbox"/> NO		
BRASS SURVEY MARKER	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES <input type="checkbox"/> NO		
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO		
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES <input type="checkbox"/> NO		
PROTECTIVE POSTS	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES <input type="checkbox"/> NO		
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL LOCK	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL DAMAGED	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL IS DRY	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES <input type="checkbox"/> NO		
PARTED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO		
BENTONITE IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO		
WELL SANDED IN	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES <input type="checkbox"/> NO		
COLLAPSED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES <input type="checkbox"/> NO		
EQUIPMENT IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO		
DEBRIS IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES <input type="checkbox"/> NO		
SURFACE EROSION	<input type="checkbox"/> MAJOR <input type="checkbox"/> NONE <input type="checkbox"/> MINOR <input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR <input type="checkbox"/> NONE <input type="checkbox"/> MINOR		
LAST PUMP INFORMATION			CURRENT PUMP INFORMATION		
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED <input type="checkbox"/> REPLACED <input checked="" type="checkbox"/> ND* <input type="checkbox"/> REMOVED	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED <input type="checkbox"/> REPLACED <input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES <input type="checkbox"/> NO		
NEW PUMP	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES <input type="checkbox"/> NO		
ACTIVITY PERFORMED BY	ND*	ACTIVITY PERFORMED 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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	-----	-----	-----	PREVIOUS WELL NAMES
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	
199-K-98	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW H
199-K-99	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW I
<p style="text-align: center;">Hanford Wells PNL-8800 UC-903 M. A. Chamness &amp; 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</p>									
199-K-103	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW J
199-K-104	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW K
199-K-105	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW L
199-N-1	GW	86157.00 -60593.00	456.10 8.0 5/64	100.0 62.0 54.0	P	8.0	34.0	95.0	
199-N-10	GW	86157.00 -60593.00	456.37 1.5 10/64	60.0	P	1.5	40.0	60.0	
199-N-1P	GW	86157.00 -60593.00	456.38 1.5 10/64	98.0	P	1.5	88.0	98.0	
199-N-1Q	GW	86157.00 -60593.00	456.36 1.5		P	1.5	72.0	74.0	

**HWIS Interface - Survey Information - Horizontal**

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUA
A5806	199-K-99	BHI	NAD83(91)	01/01/1801	CONVERTED	146779.525	568487.699	m	P

# SURVEY DATA REPORT

Request No.  
072-135

Project No.  
N/A

Title:  
Well Decommissioning: A5806

File No.  
6T11-R27

65400811.122540

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Larry Henkel*

Page  
1 of 2

## DESCRIPTION OF WORK

Survey well location for A5806. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

DISTRIBUTION	SDR	PLOT	DWG
--------------	-----	------	-----

Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kelty	1		
E. Rafuse	1		

## SURVEY RESULTS AND COMMENTS

Well ID# A5806 was not found at listed coordinates: N146779.5 E568487.7  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:  
NA

Title:  
SCAN: Well Decommissioning / Well A5806

File No. :  
100K-001

No.:  
05400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/29/07

Reviewer:  
*Larry Wenzel*

Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5806

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

**DATE OF FIELD INVESTIGATION:** 3/29/07

Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

Soil Conditions:  Rocky  Sandy  Wet  Dry  
 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**

- Current/Completed
- - 
  - 
  -

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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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:**

No evidence of well casing detected in scan area.

A5806 199-K-99

A5806

A5807 199-K-100

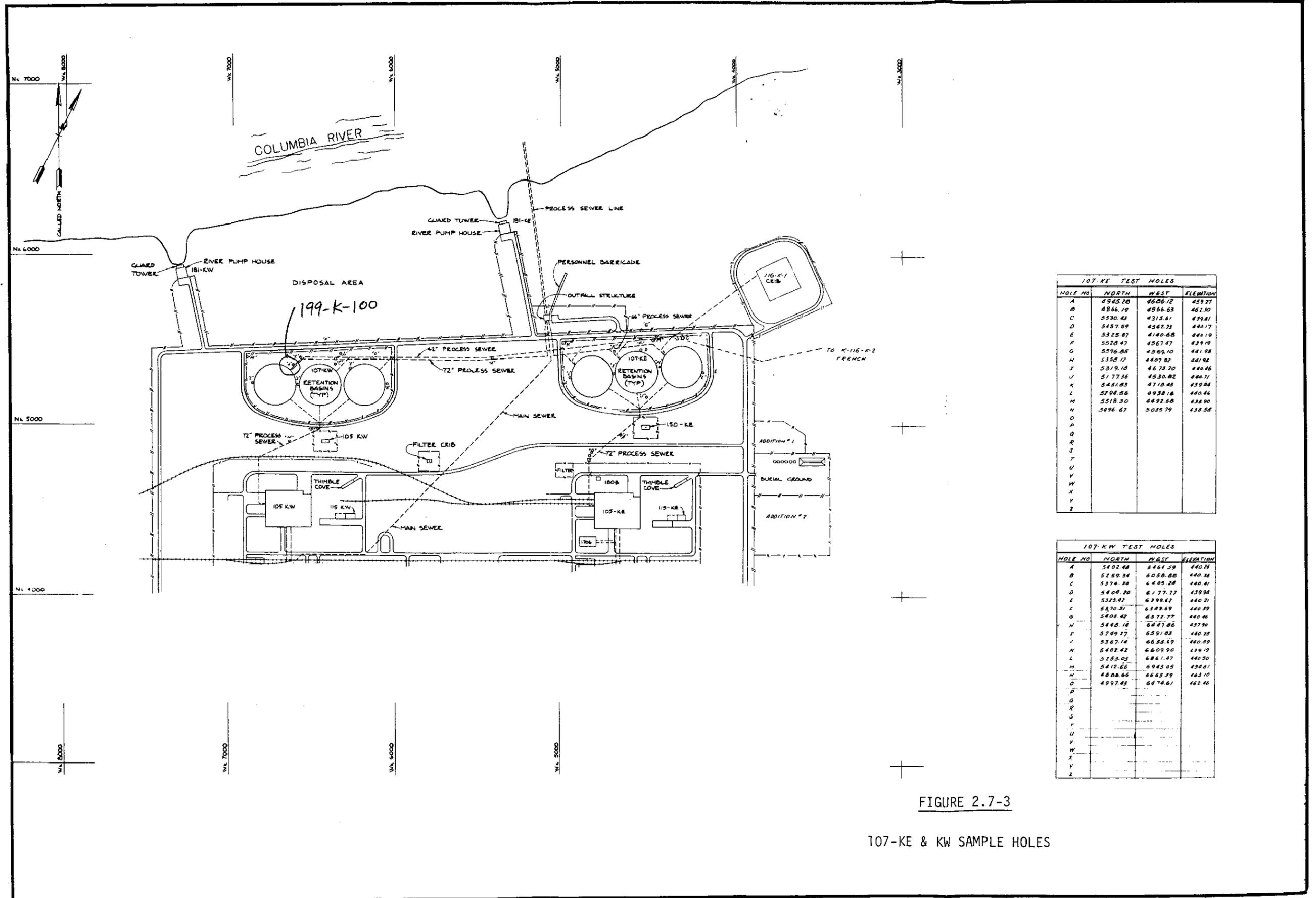


FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

WELL ORDER NO				<b>LAST INSPECTION</b>	1/1/1801
WELL ID	A5807			<b>NORTHING</b>	146667.11
WELL NAME	199-K-100	<b>CONST DATE</b>		<b>EASTING</b>	568523.846
HOST WELL ID		<b>CONST DEPTH</b>		<b>ELEVATION</b>	135.351

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

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	-----	-----	-----	PREVIOUS WELL NAMES
PUMP TYPE	NS/EW	NS/EW	DATE_COMPL	DEPTH_WATER	TYPE	DIAM	TOP	BOT	
199-K-98	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW H
199-K-99	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW I
199-K-100	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW J
<p style="text-align: center;">Hanford Wells PNL-8800 UC-903 M. A. Chamness &amp; 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</p>									
199-K-104	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW K
199-K-105	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW L
199-N-1	GW	86157.00	456.10	100.0	P	8.0	34.0	95.0	
		-60593.00	8.0	62.0					
			5/64	54.0					
199-N-10	GW	86157.00	456.37	60.0	P	1.5	40.0	60.0	
		-60593.00	1.5						
			10/64						
199-N-1P	GW	86157.00	456.38	98.0	P	1.5	88.0	98.0	
		-60593.00	1.5						
			10/64						
199-N-1Q	GW	86157.00	456.36		P	1.5	72.0	74.0	
		-60593.00	1.5						

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
J	-6655.690	5367.140	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target: J**

**Using Reference Table: 100K**

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	221.892
100-K-2	-5355.000	4132.000	569049.052	146514.684	1793.702
199-K-34	-6666.640	4762.520	568605.780	146501.940	604.719

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

**Local Coordinates Transformed:**  
568524.183 146667.157

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

**Local Coordinates Transformed:**  
568524.182 146667.156

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
J	568524.182	146667.156	-6655.690	5367.140	2-pt

## SURVEY DATA REPORT

Request No.  
072-135

Project No. N/A	Title: Well Decommissioning: A5807	File No. 1KT13R26		
o. 65400811.1225400	Prepared By Tim Johnson	Date 3/27/2007	Reviewer <i>Larry Henke</i>	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5807. If found fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03 Units: Meters	Survey File	OR		
	B. Howard	1		
	C. Wright	1		
	G. Kelty	1		
	E. Rafuse	1		

### SURVEY RESULTS AND COMMENTS

Well ID# A5807 was not found at listed coordinates: N146667.1 E568523.8  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

 Request No.:  
072-235

 Project No.:  
NA

 Title:  
SCAN: Well Decommissioning / Well A5807

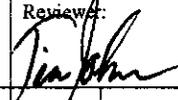
 File No. :  
100K-001

 No.:  
65400811.1225400/CA10

 Prepared by:  
S. Wray

 Date:  
3/27/07

Reviewer:



 Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5807

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry

 Depth of Investigation 6 feet

**Equipment Used:**
 50/60 Hz detector (for energized lines)  
 Radio Frequency Electromagnetics (RF)  
 Ground Penetrating Radar (GPR)  
 Other (identify)

**Required Functional Checks**  
 Current/Completed


 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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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:**

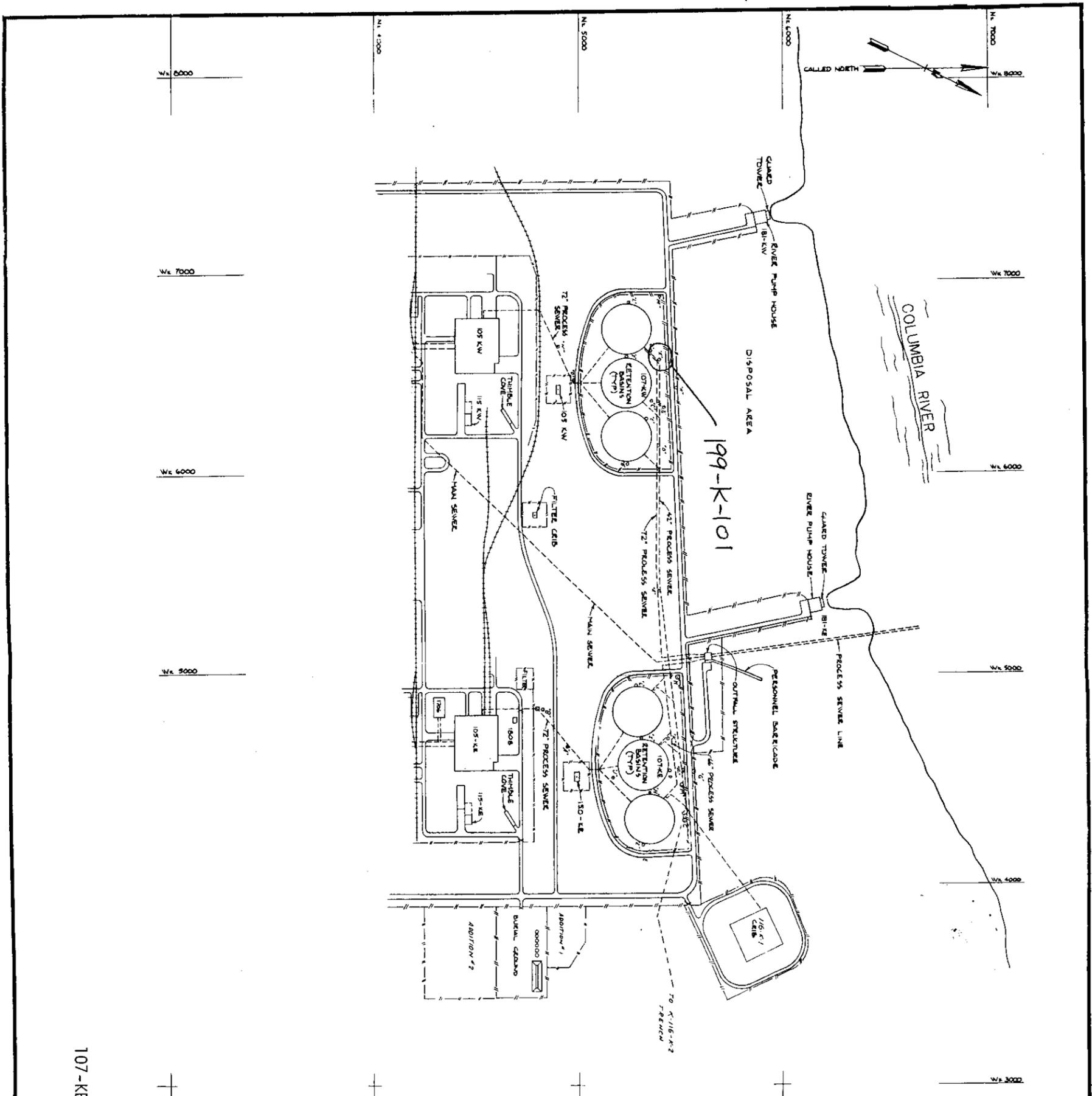
Metallic signal detected at staked location with electromagnetics, unknown depth. GPR data obtained does not indicate presence of well casing. Possible buried debris.

A5807 199-K-100

A5807

A black and white photograph showing a field with sparse vegetation. A vertical wooden marker is planted in the ground, with the alphanumeric code 'A5807' written on it. In the background, a low building and a fence are visible under a dark sky. The photograph is mounted on a white page with three punch holes at the top.

A5808 199-K-101



107-KE TEST HOLES	NORTH	WEST	ELEVATION
A	4945.28	4606.72	459.37
B	4816.19	4856.63	462.30
C	5320.41	4315.61	439.41
D	5457.59	4562.31	440.17
E	5328.87	4140.68	441.19
F	5528.47	4517.47	439.79
G	5596.06	4569.10	441.98
H	5158.12	4407.82	441.92
I	5319.14	4623.70	440.46
J	5177.36	4530.82	440.71
K	5451.83	4718.48	439.84
L	4704.56	4928.18	440.46
M	5518.30	4432.48	438.80
N	5496.67	5025.79	434.54
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES	NORTH	WEST	ELEVATION
A	5464.48	5464.39	440.16
B	5759.34	6058.06	440.14
C	5174.34	6408.26	440.41
D	5406.70	6171.77	439.94
E	5323.42	6196.42	440.21
F	4370.31	6348.49	440.39
G	5808.42	6371.77	440.46
H	5446.14	6487.65	437.90
I	5449.27	6591.83	440.35
J	5367.14	6658.19	440.59
K	5402.42	6405.90	439.19
L	5753.01	6481.47	440.50
M	5417.62	6465.05	438.41
N	4408.46	6665.39	443.10
O	4907.49	6474.61	442.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

WELL ORDER NO					<b>LAST INSPECTION</b> 1/1/1801
WELL ID	A5808				<b>NORTHING</b> 146683.067
WELL NAME	199-K-101	<b>CONST DATE</b>			<b>EASTING</b> 568531.312
HOST WELL ID		<b>CONST DEPTH</b>			<b>ELEVATION</b> 134.924

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

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS		
	WELL TYPE	L 83	PLANT	WELL DIAM	COMPL DEPTH	-----				
	PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES
199-K-98	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW H	
199-K-99	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW I	
199-K-100	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW J	
199-K-101	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW K	
<p style="text-align: center;">Hanford Wells PNL-8800 UC-903 M. A. Chamness &amp; 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</p>										
199-K-105	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW L	
199-N-1	GW		86157.00 -60593.00	456.10 8.0 5/64	100.0 62.0 54.0	P	8.0	34.0	95.0	SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW M
199-N-10	GW		86157.00 -60593.00	456.37 1.5 10/64	60.0	P	1.5	40.0	60.0	SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW N
199-N-1P	GW		86157.00 -60593.00	456.38 1.5 10/64	98.0	P	1.5	88.0	98.0	SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW O
199-N-1Q	GW		86157.00 -60593.00	456.36 1.5		P	1.5	72.0	74.0	

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
K	-6609.900	5402.420	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** K

**Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	169.663
100-K-2	-5355.000	4132.000	569049.052	146514.684	1785.705
199-K-34	-6666.640	4762.520	568605.780	146501.940	642.411

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

### Local Coordinates

**Transformed:**  
568531.645 146683.112

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

### Local Coordinates

**Transformed:**  
568531.644 146683.112

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
K	568531.644	146683.112	-6609.900	5402.420	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.  
N/A

Title:  
Well Decommissioning: A5808

File No.  
1KT13R26

65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer

*Larry Henke*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5808. If found, fill out WAR Report. If not found, set hub and lath. Take photo.

Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

## DISTRIBUTION

SDR

PLOT

DWG

Survey File

OR

B. Howard

1

C. Wright

1

G. Kelty

1

E. Rafuse

1

## SURVEY RESULTS AND COMMENTS

Well ID# A5808 was not found at listed coordinates: N146683.01 E568531.3  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

 Request No.:  
072-235

 Project No.:  
NA

 Title:  
SCAN: Well Decommissioning / Well A5808

 File No.:  
100K-001

 No.:  
65400811.1225400/CA10

 Prepared by:  
S. Wray

 Date:  
3/27/07

 Reviewer:  
*Tim Johnson*

 Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5808

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry

 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

 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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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.

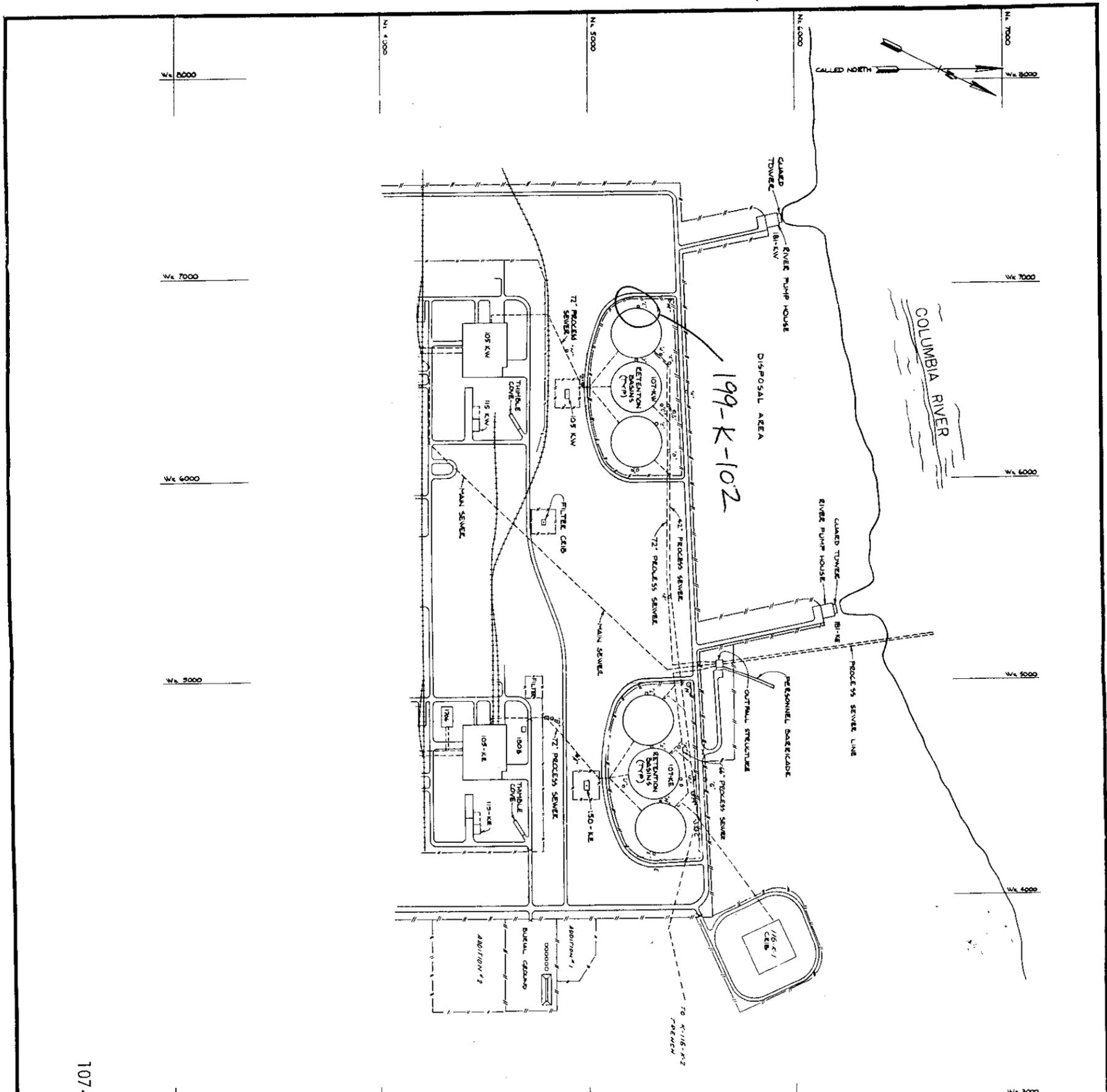
**Discussion of Findings:**

No evidence of well casing detected in scan area.

A5808 199-K-101

A5808





107-KE TEST HOLES			
HOLES NO	NORTH	WEST	ELEVATION
A	4945.20	4806.12	433.27
B	4886.19	4856.63	461.20
C	5530.43	4315.61	439.81
D	5437.59	4562.21	440.17
E	5325.87	4180.66	448.19
F	5528.47	4567.47	439.49
G	5396.85	4569.10	441.98
H	5352.12	4607.82	440.94
I	5319.18	4673.70	440.46
J	5177.35	4530.82	440.71
K	4887.85	4710.43	439.84
L	5798.56	4938.18	440.46
M	5518.30	4692.88	438.80
N			
O	5496.67	5035.79	438.58
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KL TEST HOLES			
HOLES NO	NORTH	WEST	ELEVATION
A	5402.48	5468.59	440.78
B	5158.34	5066.00	440.26
C	5378.20	4805.28	440.41
D	5404.20	4777.77	439.96
E	5325.41	4798.67	440.21
F	5370.31	4348.49	440.39
G	5408.42	4372.77	440.46
H	5460.18	4647.06	437.80
I	5289.17	4691.83	440.25
J	5367.14	4658.55	440.59
K	5402.42	4608.90	439.19
L	5253.02	4881.47	440.20
M	5417.66	4943.05	438.81
N	4808.46	4655.39	443.10
O	4927.45	4674.61	452.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

**WELL ORDER NO**  
**WELL ID**                    **A5809**  
**WELL NAME**                **199-K-102**  
**HOST WELL ID**

**CONST DATE**  
**CONST DEPTH**

**LAST INSPECTION**    1/1/1801  
**NORTHING**            146607.437  
**EASTING**              568484.078  
**ELEVATION**            135.323

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR				<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED			PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED		<input checked="" type="checkbox"/> ND*		<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED BY			
DATE ACTIVITY PERFORMED	ND*			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			

WELL NAME	WELL TYPE	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS
		L 83	PLANT	WELL DIAM	COMPL DEPTH	TYPE	DIAM	TOP	BOT
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER					
199-K-98	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW H
199-K-99	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW I
199-K-100	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW J
199-K-101	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW K
199-K-102	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW L
<p style="text-align: center;">Hanford Wells PNL-8800 UC-903 M. A. Chamness &amp; 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</p>									
199-N-1	GW	86157.00	456.10	100.0	P	8.0	34.0	95.0	SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW M
		-60593.00	8.0	62.0					
			5/64	54.0					
199-N-10	GW	86157.00	456.37	60.0	P	1.5	40.0	60.0	SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW N
		-60593.00	1.5						
			10/64						
199-N-1P	GW	86157.00	456.38	98.0	P	1.5	88.0	98.0	SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW O
		-60593.00	1.5						
			10/64						
199-N-1Q	GW	86157.00	456.36		P	1.5	72.0	74.0	
		-60593.00	1.5						

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document

**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
L	-6861.470	5253.030	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** L

**Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	454.095
100-K-2	-5355.000	4132.000	569049.052	146514.684	1877.807
199-K-34	-6666.640	4762.520	568605.780	146501.940	527.787

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

### Local Coordinates

**Transformed:**

568484.433 146607.485

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

### Local Coordinates

**Transformed:**

568484.432 146607.484

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
L	568484.432	146607.484	-6861.470	5253.030	2-pt

## SURVEY DATA REPORT

Request No.  
072-135

Project No. N/A	Title: Well Decommissioning: A5809	File No. 1KT13R26
65400811.1225400	Prepared By Tim Johnson	Date 3/27/2007
	Reviewer <i>Larry Henke</i>	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5809. If found, fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03 Units: Meters	Survey File	OR		
	B. Howard	1		
	C. Wright	1		
	G. Kelty	1		
	E. Rafuse	1		

### SURVEY RESULTS AND COMMENTS

Well ID# A5809 was not found at listed coordinates: N146607.4 E568484.1  
Set hub and lath. Took Photo.

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

<b>SCAN DATA REPORT</b>				Request No.: 072-235				
Project No.: NA		Title: SCAN: Well Decommissioning / Well A5809		File No. : 100K-001				
No.: 65400811.1225400/CA10		Prepared by: S. Wray		Date: 3/27/07	Reviewer: <i>Larry Howard</i>			
DESCRIPTION OF WORK:  Perform ground scan at staked location of Well A5809				Page 1 of 1				
				DISTRIBUTION		SDR	SKETCH	DWG
				Survey File		OR	OR	
				B.J. Howard		1		
				E.C. Rafuse		1		
				G.G. Kelty		1		
				C.S. Wright		1		
<b>DATE OF FIELD INVESTIGATION:</b> 3/20/07								
Weather: Temp <u>50°F</u> Wind <u>5</u> MPH		Soil Conditions: <input checked="" type="checkbox"/> Rocky <input type="checkbox"/> Sandy <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry						
<input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Clear <input type="checkbox"/> P. Cloudy <input type="checkbox"/> Fog		Depth of Investigation <u>6</u> feet						
Equipment Used:			Required Functional Checks					
<u>    </u> 50/60 Hz detector (for energized lines)			Current/Completed					
<input checked="" type="checkbox"/> Radio Frequency Electromagnetics (RF)			<input type="checkbox"/>					
<input checked="" type="checkbox"/> Ground Penetrating Radar (GPR)			<input checked="" type="checkbox"/>					
<u>    </u> Other (identify)			<input type="checkbox"/>					
GPR Antenna(s) Used: <input type="checkbox"/> 1000 MHz <input type="checkbox"/> 500 MHz <input type="checkbox"/> 400 MHz <input checked="" type="checkbox"/> 300 MHz								
Documentation Provided: NONE								
Limits of Investigation: 20 ft square area around staked well location.								
<b>EQUIPMENT LIMITATIONS:</b>								
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.								
<b>Discussion of Findings:</b>								
No evidence of well casing detected in scan area.								

A5809 199-K-102

A5809







# WELL ATTRIBUTES REPORT

**WELL ORDER NO**  
**WELL ID**                    **A5810**  
**WELL NAME**                **199-K-103**  
**HOST WELL ID**

**CONST DATE**  
**CONST DEPTH**

**LAST INSPECTION**    1/1/1801  
**NORTHING**            146638.981  
**EASTING**             568439.12  
**ELEVATION**          133.589

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

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS	
	WELL TYPE	L 83	PLANT	WELL DIAM	COMPL DEPTH	-----	-----		
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES
199-K-98	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW H
199-K-99	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW I
199-K-100	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW J
199-K-101	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW K
199-K-102	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW L
199-K-103	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW M
<p style="text-align: center;">Hanford Wells PNL-8800 UC-903 M. A. Chamness &amp; 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</p>									
					100.0	P	8.0	34.0	95.0
					62.0				
					54.0				
199-N-10	GW		86157.00	456.37	60.0	P	1.5	40.0	60.0
			-60593.00	1.5					
				10/64					
199-N-1P	GW		86157.00	456.38	98.0	P	1.5	88.0	98.0
			-60593.00	1.5					
				10/64					
199-N-1Q	GW		86157.00	456.36		P	1.5	72.0	74.0
			-60593.00	1.5					

SEE UNI-946 REPORT FOR RAD. RESULTS  
116-KW NSEE UNI-946 REPORT FOR RAD. RESULTS  
116-KW O

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
M	-6945.050	5412.660	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** M

**Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	503.225
100-K-2	-5355.000	4132.000	569049.052	146514.684	2041.654
199-K-34	-6666.640	4762.520	568605.780	146501.940	707.244

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

**Local Coordinates Transformed:**  
568439.481 146639.012

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

**Local Coordinates Transformed:**  
568439.479 146639.010

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
M	568439.479	146639.010	-6945.050	5412.660	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No.  
N/A

Title:  
Well Decommissioning: A5810

File No.  
1KT13R26

65400811.1225400

Prepared By  
Tim Johnson

Date  
3/27/2007

Reviewer  
*Larry Kenter*

Page  
1 of 2

## DESCRIPTION OF WORK

Locate well A5810. If found, fill out WAR Report. If not found, set hub and lath. Take photo.  
 Coordinate System: US State Plane 1983  
 Zone: Washington South 4602  
 Project Datum: NAD 1983 (Conus)  
 Vertical Datum: NAVD 1988  
 Geoid Model: Geoid03  
 Units: Meters

## DISTRIBUTION

Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kely	1		
E. Rafuse	1		

SDR

## PLOT

## DWG

## SURVEY RESULTS AND COMMENTS

Well ID# A5810 was not found at listed coordinates: N146639.0 E568439.1  
 Set hub and lath. Took Photo.

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

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:  
NA

Title:  
SCAN: Well Decommissioning / Well A5810

File No. :  
100K-001

No.:  
65400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/27/07

Reviewer:  
*Tim Johnson*

Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5810

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

Weather: Temp 50°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

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- 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 staked well location.

**EQUIPMENT LIMITATIONS:**

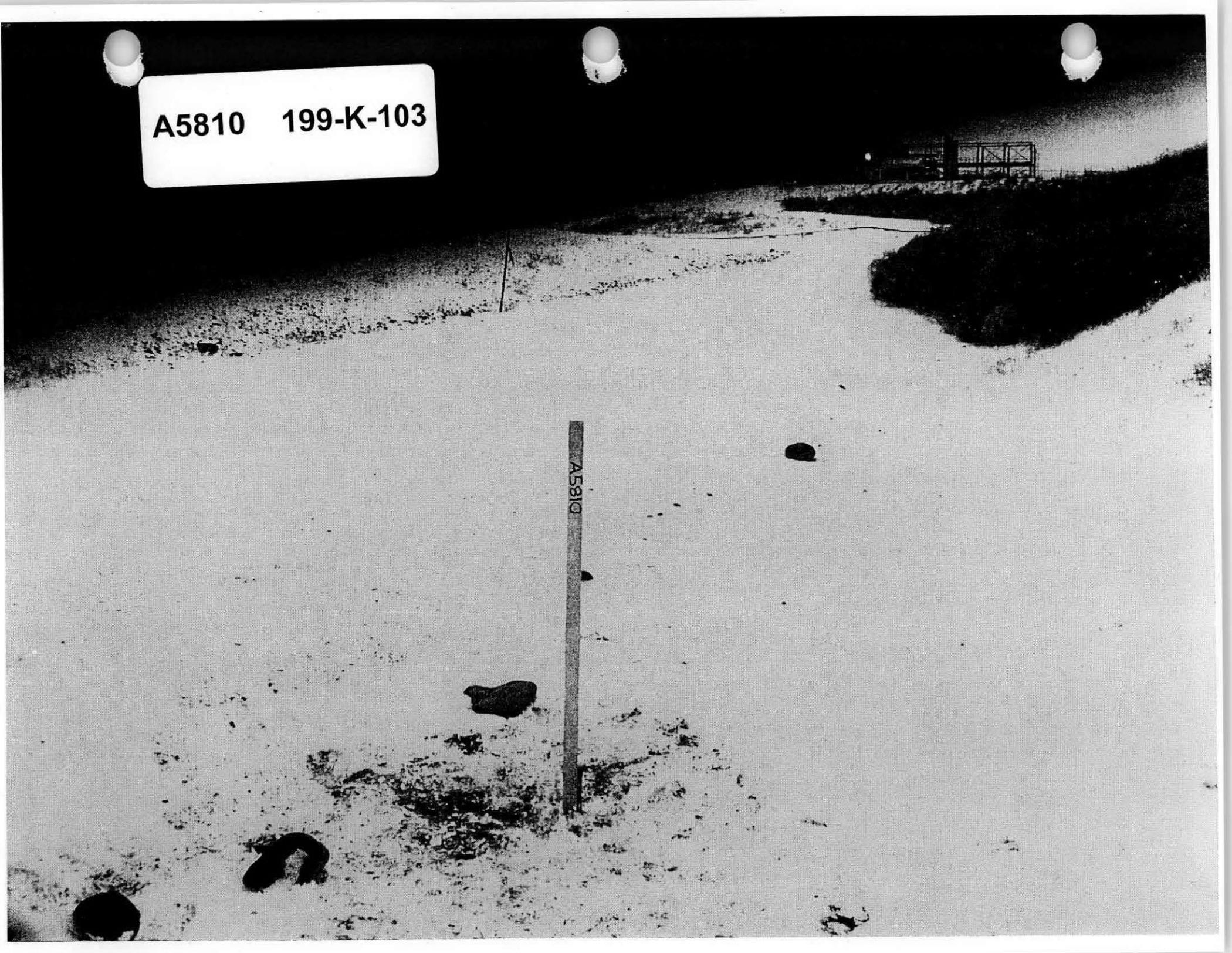
- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within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

**Discussion of Findings:**

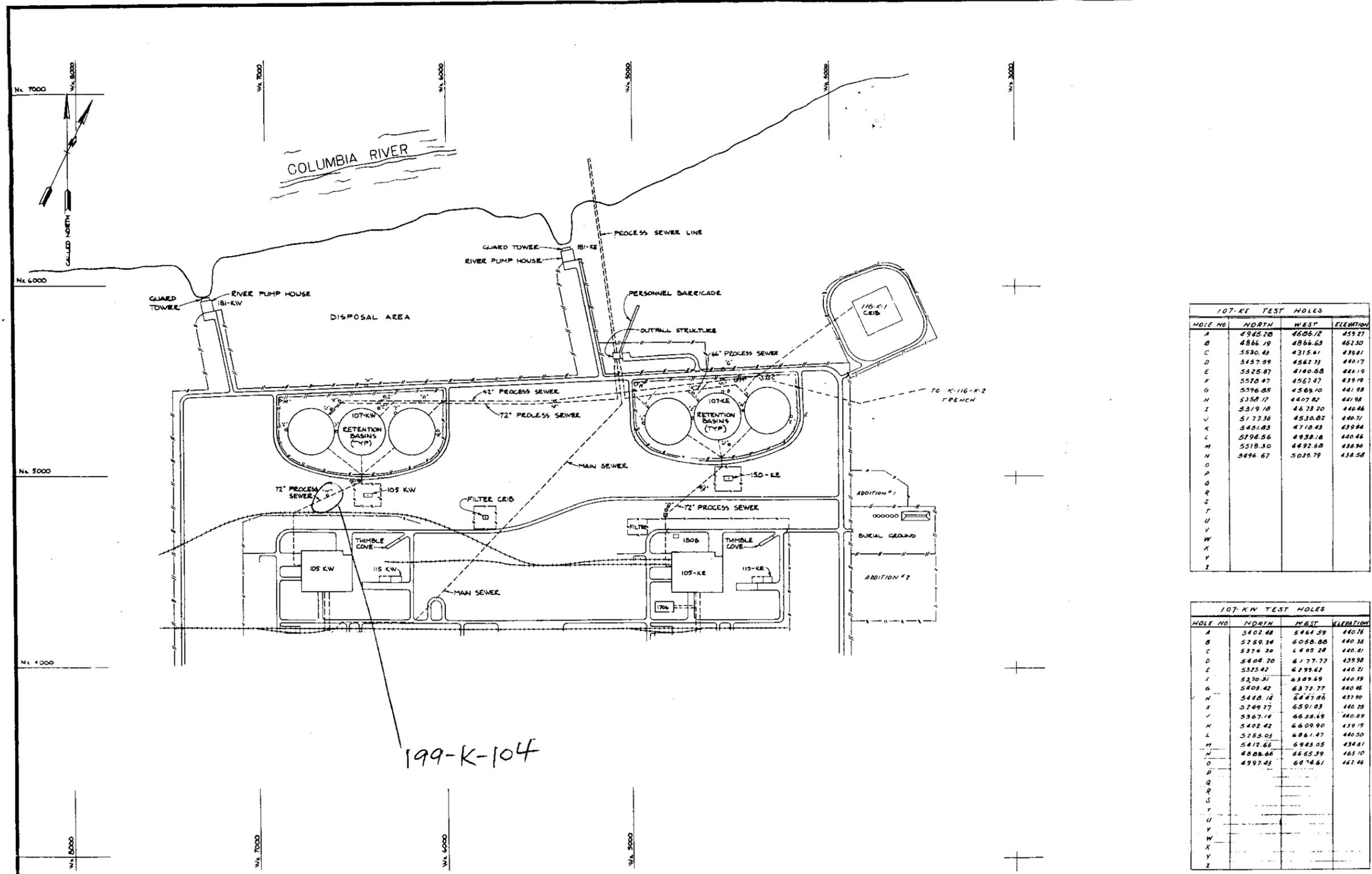
No evidence of well casing detected in scan area.

A5810 199-K-103

A5810







107-KE TEST HOLES			
HOLE NO.	NORTH	WEST	ELEVATION
A	4945.20	4606.12	459.27
B	4866.19	4866.63	452.30
C	5530.43	4315.41	439.81
D	5457.59	4567.73	440.17
E	5325.87	4180.68	440.19
F	5520.47	4567.47	439.19
G	5596.85	4569.10	441.98
H	5358.17	4407.82	441.98
I	5319.18	4673.20	440.46
J	5177.36	4530.82	440.71
K	5454.83	4710.43	439.84
L	5794.56	4938.18	440.46
M	5518.30	4492.68	438.30
N	5496.67	5035.79	438.58
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

107-KW TEST HOLES			
HOLE NO.	NORTH	WEST	ELEVATION
A	5402.48	5464.59	440.76
B	5759.34	6058.88	440.38
C	5374.30	6405.28	440.41
D	5400.20	6177.77	439.98
E	5323.42	6299.62	440.21
F	5370.51	6389.49	440.39
G	5408.42	6372.77	440.46
H	5408.16	6487.86	437.90
I	5249.27	6591.83	440.25
J	5367.14	6658.69	440.69
K	5402.42	6609.90	439.19
L	5253.03	6861.47	440.20
M	5412.66	6945.05	434.81
N	4888.66	4665.39	463.10
O	4997.43	6974.61	462.46
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

FIGURE 2.7-3

107-KE & KW SAMPLE HOLES

# WELL ATTRIBUTES REPORT

WELL ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A5811			NORTHING	146534.551
WELL NAME	199-K-104	CONST DATE		EASTING	568588.973
HOST WELL ID		CONST DEPTH		ELEVATION	142.212

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	
	<input type="checkbox"/> MINOR	<input checked="" type="checkbox"/> ND*			<input type="checkbox"/> MINOR		
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED			PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		
	<input type="checkbox"/> REPLACED	<input checked="" type="checkbox"/> ND*			<input type="checkbox"/> REPLACED		
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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			

WELL NAME	COORDINATES		CASING ELEV WELL DIAM DATE COMPL	DRILL DEPTH COMPL DEPTH DEPTH WATER	PERF/SCREEN			COMMENTS PREVIOUS WELL NAMES		
	WELL TYPE	L 83			PLANT	TYPE	DIAM		TOP	BOT
	PUMP TYPE	NS/EW			NS/EW					
199-K-98	AB							SEE UNI-946 REPORT FOR RAD. RE- SULTS 116-KW H		
199-K-99	AB							SEE UNI-946 REPORT FOR RAD. RE- SULTS 116-KW I		
199-K-100	AB							SEE UNI-946 REPORT FOR RAD. RE- SULTS 116-KW J		
199-K-101	AB							SEE UNI-946 REPORT FOR RAD. RE- SULTS 116-KW K		
199-K-102	AB							SEE UNI-946 REPORT FOR RAD. RE- SULTS 116-KW L		
199-K-103	AB							SEE UNI-946 REPORT FOR RAD. RE- SULTS 116-KW M		
199-K-104	AB							SEE UNI-946 REPORT FOR RAD. RE- SULTS 116-KW N		

Hanford Wells

PNL-8800 UC-903

M. A. Chamness & J. K. Merz

August 1993

Prepared for U. S. Dept of Energy under

Contract DE-AC06-76RLO 1830

Pacific NW Lab by Battelle Memorial Institute

SEE UNI-946 REPORT FOR RAD. RE-  
SULTS  
116-KW O

				100.0	P	8.0	34.0	95.0
				62.0				
				54.0				
				60.0	P	1.5	40.0	60.0
			10/64					
199-N-1P		86157.00	456.38	98.0	P	1.5	88.0	98.0
	GW	-60593.00	1.5					
			10/64					
199-N-1Q		86157.00	456.36		P	1.5	72.0	74.0
	GW	-60593.00	1.5					

# Coordinate Transformation Report

3/9/2006

## Input Data

Input Local Coordinate Source: Document  
 Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
N	-6665.390	4888.660	0.000	0.000

## Calculation Section

The Three Nearest Reference Points From Target: N

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	582.856
100-K-2	-5355.000	4132.000	569049.052	146514.684	1513.161
199-K-34	-6666.640	4762.520	568605.780	146501.940	126.146

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

### Local Coordinates

Transformed:  
568588.477 146536.264

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

### Local Coordinates

Transformed:  
568588.476 146536.264

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
N	568588.476	146536.264	-6665.390	4888.660	2-pt

SURVEY DATA REPORT				Request No. 072-135	
Project No.		Title:		File No.	
		Well Decommissioning: A5811		IKT13R26	
Job No.		Prepared By	Date	Reviewer	Page
65400811.1225400		Tim Johnson	3/27/2007	<i>[Signature]</i>	1 of 2
DESCRIPTION OF WORK			DISTRIBUTION	SDR	PLOT
Locate well A5811. If found, fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03 Units: Meters			Survey File	OR	
			B. Howard	1	
			C. Wright	1	
			G. Kelty	1	
			E. Rafuse	1	
SURVEY RESULTS AND COMMENTS					
<p>Well ID# A5811 was not found at listed coordinates: N146534.6 E568589.0            Set hub and lath. Took Photo.</p>					
<p>NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.</p>					

# SCAN DATA REPORT

Request No.:  
072-235

Project No.:  
NA

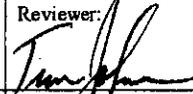
Title:  
SCAN: Well Decommissioning / Well A5811

File No. :  
100K-001

Job No.:  
65400811.1225400/CA10

Prepared by:  
S. Wray

Date:  
3/27/07

Reviewer:  


Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5811

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

**DATE OF FIELD INVESTIGATION:** 3/20/07

Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

Soil Conditions:  Rocky  Sandy  Wet  Dry  
 Depth of Investigation 6 feet

**Equipment Used:**

- 50/60 Hz detector (for energized lines)
- Radio Frequency Electromagnetics (RF)
- Ground Penetrating Radar (GPR)
- Other (identify)

**Required Functional Checks**  
Current/Completed

- 
- 
- 
- 

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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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:**

No evidence of well casing detected in scan area.

A5811 199-K-104

A5811  
199-K-104

A5812 199-K-105



# WELL ATTRIBUTES REPORT

WELL ORDER NO  
 WELL ID **A5812**  
 WELL NAME **199-K-105**  
 HOST WELL ID

CONST DATE  
 CONST DEPTH

LAST INSPECTION 1/1/1801  
 NORTHING 146592.306  
 EASTING 568624.586  
 ELEVATION 142.017

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION			
WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL PAD	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BRASS SURVEY MARKER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH SURVEY DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	MARKER STAMPED WITH WELL ID DATA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL ID	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LABELED WITH WELL NAME	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PROTECTIVE POSTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	REMOVABLE POST IN PLACE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL LOCK	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL DAMAGED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL IS DRY	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PARTED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	BENTONITE IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	WELL SANDED IN	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	COLLAPSED CASING	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	EQUIPMENT IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	DEBRIS IN WELL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR <input checked="" type="checkbox"/> ND*	SURFACE EROSION	<input type="checkbox"/> MAJOR	<input type="checkbox"/> NONE	<input type="checkbox"/> MINOR
LAST PUMP INFORMATION				CURRENT PUMP INFORMATION			
PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input type="checkbox"/> REPLACED <input checked="" type="checkbox"/> ND*	PUMP ACTIVITY PERFORMED	<input type="checkbox"/> INSTALLED		<input type="checkbox"/> REPLACED
	<input type="checkbox"/> REMOVED				<input type="checkbox"/> REMOVED		
PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	PUMP TESTED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> ND*	NEW PUMP	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ACTIVITY PERFORMED BY	ND*			ACTIVITY PERFORMED 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			

WELL NAME	COORDINATES		CASING ELEV	DRILL DEPTH	PERF/SCREEN			COMMENTS	
	WELL TYPE	L 83	PLANT	WELL DIAM	COMPL DEPTH	-----	-----	PREVIOUS WELL NAMES	
PUMP TYPE	NS/EW	NS/EW	DATE COMPL	DEPTH WATER	TYPE	DIAM	TOP	BOT	
199-K-98	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW H
199-K-99	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW I
199-K-100	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW J
199-K-101	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW K
199-K-102	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW L
199-K-103	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW M
199-K-104	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW N
199-K-105	AB								SEE UNI-946 REPORT FOR RAD. RESULTS 116-KW O

Hanford Wells				100.0	P	8.0	34.0	95.0
PNL-8800 UC-903				62.0				
M. A. Chamness & J. K. Merz				54.0				
August 1993				60.0	P	1.5	40.0	60.0
Prepared for U. S. Dept of Energy under								
Contract DE-AC06-76RLO 1830								
Pacific NW Lab by Battelle Memorial Institute				98.0	P	1.5	88.0	98.0
GW								
				10/64				
199-N-1Q		86157.00	456.36		P	1.5	72.0	74.0
	GW	-60593.00	1.5					

# Coordinate Transformation Report

3/9/2006

## Input Data

**Input Local Coordinate Source:** Document  
**Known WCS Coordinate Source:**

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
O	-6474.610	4997.430	0.000	0.000

## Calculation Section

**The Three Nearest Reference Points From Target:** O      **Using Reference Table:** 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-33	-6442.030	5427.020	568573.650	146713.250	430.824
100-K-2	-5355.000	4132.000	569049.052	146514.684	1415.096
199-K-34	-6666.640	4762.520	568605.780	146501.940	303.411

## Angles

Angle A:	Angle B:	Angle C:	Minimum Angle:
58.686	24.316	96.998	24.316

## Three Point Affine Transformation Coefficients

A:	B:	C:	D:	E:	F:
2.707205e-001	-1.398594e-001	5.710767e+005	1.398566e-001	2.707251e-001	146144.980

### Local Coordinates

**Transformed:**  
568624.912 146592.393

## Two Point Uniform Scaling Transformation Coefficients

A:	B:	C:	F:
2.707238e-001	-1.398604e-001	5.710767e+005	146145.012

### Local Coordinates

**Transformed:**  
568624.912 146592.393

## Summary Report

Point Name:	Transformed Easting:	Transformed Northing:	Input East/West Value:	Input North/South Value:	Transformation Model:
O	568624.912	146592.393	-6474.610	4997.430	2-pt

# SURVEY DATA REPORT

Request No.  
072-135

Project No. 65400811.1225400	Title: Well Decommissioning: A5812	File No. 1KT13R26
Prepared By Tim Johnson	Date 3/27/2007	Reviewer <i>Jimmy Henke</i>
		Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Locate well A5812. If found, fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03 Units: Meters	Survey File	OR		
	B. Howard	1		
	C. Wright	1		
	G. Kelty	1		
	E. Rafuse	1		

## SURVEY RESULTS AND COMMENTS

Well ID# A5812 was not found at listed coordinates: N146592.3 E568624.6  
 Set hub and lath. Took Photo.

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

## SCAN DATA REPORT

 Request No.:  
072-235

 Project No.:  
NA

 Title:  
SCAN: Well Decommissioning / Well A5812

 File No. :  
100K-001

 Job No.:  
65400811.1225400/CA10

 Prepared by:  
S. Wray

 Date:  
3/28/07

 Reviewer:  
*Larry Herbe*

 Page  
1 of 1

**DESCRIPTION OF WORK:**

Perform ground scan at staked location of Well A5812

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

**DATE OF FIELD INVESTIGATION:** 3/28/07

 Weather: Temp 50°F Wind 5 MPH  
 Cloudy  Clear  P. Cloudy  Fog

 Soil Conditions:  Rocky  Sandy  Wet  Dry

 Depth of Investigation 6 feet

**Equipment Used:**

50/60 Hz detector (for energized lines)  
 Radio Frequency Electromagnetics (RF)  
 Ground Penetrating Radar (GPR)  
 Other (identify)

**Required Functional Checks**  
Current/Completed

 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:**

- Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
- 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:**

No evidence of well casing detected in scan area.

A5812 199-K-105

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