AR TARGET SHEET

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

EDMC#: 0076455
SECTION: 1 of 2

DOCUMENT #: 08-AMCP-0120

TITLE: ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

0076455

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

08-AMCP-0120

MAR 0 5 2008

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EDMC

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

Dear Ms. Hedges:

ADMINISTRATIVE DECOMMISSIONING FOR 41 WELLS WITH SURVEYS

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

Attachment 1 lists 41 unique well records numerically by well identification and associated well name. In the past, a well identification number and a formal well name were assigned. All of the wells have survey coordinates. Twenty nine are conventional single cased wells and twelve are piezometers. Attachment 2 contains copies of the pertinent supporting documentation available to administratively decommission these wells.

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

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

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

Sincerely,

Matthew S. McCormick, Assistant Manager
for the Central Plateau

AMCP:FMR

Attachments

cc w/attachs:
Administrative Record
Environmental Portal

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

ADMINISTRATIVE DECOMMISSIONING FOR 41 WELLS WITH SURVEYS

Well Naming Conventions and List of wells in this package.

All wells on the Site are assigned a unique well identification number (Well ID) during the well construction planning process. Once a Well ID is assigned; e.g. A8683, that ID becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well IDs, and other pertinent well data are tracked in HWIS. The Well ID is also used as a "place holder" in the Well Name column in HWIS. Once the well is completed, the "place holder" Well ID is replaced with a formal Well Name, such as 699-43-41B. The well naming protocols are designed to convey the well's general location on the Site. For example, wells within the 100, 200, 300, 400, 600, and 1100 Areas have Well Names which begin with "199, 299, 399, 499, 699, or 1199" followed by two numbers separated by dashes. The 600 Area Well Name is derived from the absolute value of the well's northing and westing in Hanford Plant coordinates rounded to the nearest 1,000 feet, respectively. For example, Well Name 699-43-41B is located in the area near 10,000 ft northing and 3,000 ft westing in Hanford Plant coordinates. Subsequent wells in the same area are labeled sequentially starting with a "B" suffix. The first Well Name in the same area would usually be relabeled with an "A" suffix. A piezometer well has an O, P, Q, R, S, T, or U added to the last number in the Well Name.

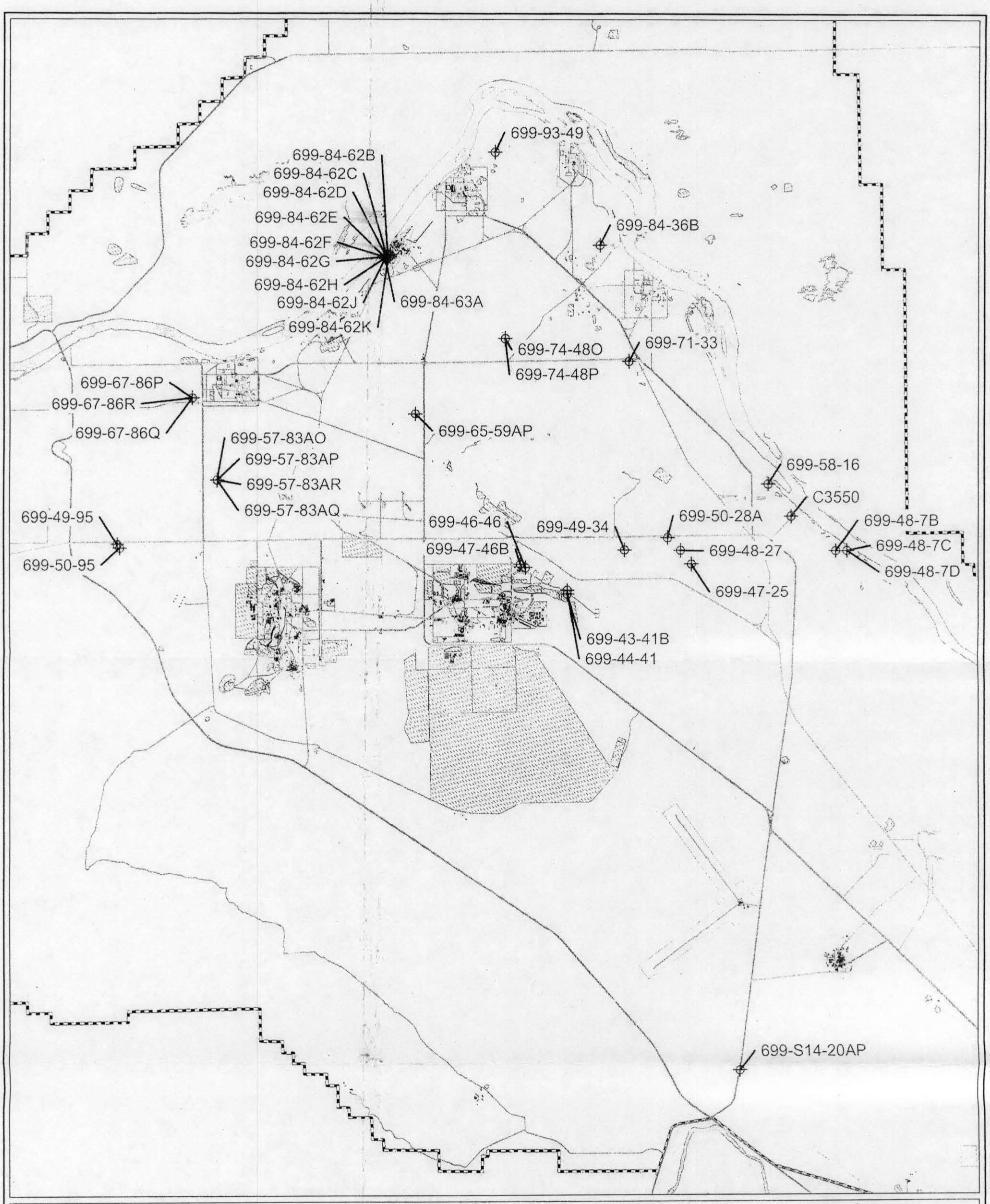
DOE/RL follows the requirements of WAC 173-160-460 with regard to well decommissioning. A completed Water Well Report form is required to be transmitted (by the Driller) to Washington State Department of Ecology (Ecology) when a well is decommissioned. This report provides the details of the well's construction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

All of the wells in this document have survey coordinates. Twenty-nine of the wells listed below are conventional single cased wells and 12 are piezometers (small diameter tubes placed within a host well). None of the wells have Water Well Reports available in the Ecology database. Water Well Reports may have been transmitted to Ecology at the time of decommissioning, however there is no record in the database. This documentation will be used to change the Current Well Status of all of these wells to "Decommissioned - Verified" in the HWIS Well Inventory. Please inform Ecology of these changes.

	WELL ID	WELL NAME
1	A8683	699-43-41B
2	A8709	699-44-41
3	A8738	699-46-46
4	A8747	699-47-25
5	A8751	699-47-46B
6	A8766	699-48-27
7	A8760	699-48-7B
8	A8761	699-48-7C
9	A8762	699-48-7D
10	A8794	699-49-34
11	A8801	699-49-95
12	A8810	699-50-28A
13	A8813	699-50-95
14	A9733	699-53-55AP
15	A9746	699-57-83AO
16	A9747	699-57-83AP
17	A9748	699-57-83AQ
18	A9749	699-57-83AR
19	A8904	699-58-16
20	A9490	699-65-59AP
21	A9755	699-67-86P
22	A9756	699-67-86Q
23	A9757	699-67-86R
24	A8971	699-71-33
25	A8973	699-72-86
26	A9765	699-74-48O
27	A9766	699-74-48P
28	A9024	699-84-36B
29	A9035	699-84-62B
30	A9036	699-84-62C
31	A9037	699-84-62D
32	A9038	699-84-62E
33	A9039	699-84-62F
34	A9040	699-84-62G
35	A9041	699-84-62H
36	A9042	699-84-62J
37	A9043	699-84-62K
38	A9044	699-84-63A
39	A9085	699-93-49
40	A9783	699-S14-20AP
41	C3550	C3550

Administrative Decommissioning of 41 Wells starting with 699-43-41B (A8683) ending with C3550

	WELL_ID	WELL_NAME	WELL_TYPE	HOST WELL ID	DRILL DATE	DRILL DEPTH	CONST DATE	CONST DEPTH	DTB	DTW	DRY	WELL_NAME_SYNONYMS	WASTE_SITES_100M	OU_100M	DATE LAST INSPECTED	DATE LAST SAMPLED GW	DATE LAST SAMPLED	DATE LAST ROUTINE MAINTENANCE
1	A8683	699-43-41B	VADOSE WELL		31-May-84	45							200-E-126-PL,216-B-3B RAD	200-CW-1				31-May-84
2	A8709	699-44-41	VADOSE WELL		31-May-84	52							200-E-126-PL	200-CW-1				31-May-84
3	A8738	699-46-46	VADOSE WELL		31-Mar-85	40												31-Mar-85
4	A8747	699-47-25	VADOSE WELL		31-Mar-80	435						22, GOLDER 22			16-Nov-06			31-Mar-80
5	A8751	699-47-46B	VADOSE WELL		30-Sep-84	46							600-211	Not Applicable				30-Sep-84
7	A8760	699-48-7B	VADOSE WELL		30-Jun-43	45			45			699-HAN-36, T13NR28E31F2						30-Jun-43
8	A8761	699-48-7C	VADOSE WELL		31-Mar-43	78			78			699-HAN-37, T13NR28E31G1						31-Mar-43
9	A8762	699-48-7D	VADOSE WELL						34			699-HAN-38, T13NR28E31G5						
6	A8766	699-48-27	VADOSE WELL		31-Mar-80	447						21, GOLDER 21			16-Nov-06			31-Mar-80
10	A8794	699-49-34	VADOSE WELL		31-Dec-80	85						89, GOLDER 89						31-Dec-80
11	A8801	699-49-95	VADOSE WELL		31-Mar-43	540						U.S.E.D. L-6	600-235	NONE	29-Dec-06			31-Mar-43
12	A8810	699-50-28A	GROUNDWATER WELL		30-Apr-45	260			260			BY TELE. EX	600-235	NONE		30-Aug-77	30-Aug-77	30-Apr-45
13	A8813	699-50-95	VADOSE WELL		31-Dec-48							13/25-33D1R1			29-Dec-06			31-Dec-48
14	A9733	699-53-55AP	HOSTED PIEZOMETER	A5244	24-Aug-61	455			303.9	179.18	N				11-Aug-03			24-Aug-61
15	A9746	699-57-83AO	HOSTED PIEZOMETER	A5270	06-Dec-60	355	30-Apr-65	170	195.83	149.95		699-57-83O			28-Mar-06			6-Dec-60
16	A9747	699-57-83AP	HOSTED PIEZOMETER	A5270	06-Dec-60	355	30-Jun-64	355	355			699-57-83P						6-Dec-60
17	A9748	699-57-83AQ	HOSTED PIEZOMETER	A5270	06-Dec-60	355	30-Jun-64	292	292			699-57-83Q						6-Dec-60
18	A9749	699-57-83AR	HOSTED PIEZOMETER	A5270	06-Dec-60	355	30-Jun-64	232	232			699-57-83R						6-Dec-60
19	A8904	699-58-16	VADOSE WELL						24			699-HAN-32, T13NR27E23R1						
20	A9490	699-65-59AP	HOSTED PIEZOMETER	A5301	03-Nov-58	200			134.64	110.6					29-Mar-06			3-Nov-58
21	A9755	699-67-86P	HOSTED PIEZOMETER	A5313	09-Oct-62	467	30-Sep-63	467	100.49	76.22					29-Mar-06			9-Oct-62
22	A9756	699-67-86Q	HOSTED PIEZOMETER	A5313	09-Oct-62	467	30-Sep-63	380										9-Oct-62
23	A9757	699-67-86R	HOSTED PIEZOMETER	A5313	09-Oct-62	467	30-Sep-63	300								14-Aug-78	14-Aug-78	9-Oct-62
24	A8971	699-71-33	VADOSE WELL		31-Mar-43	24			25			T13NR27E8-B1						31-Mar-43
25	A8973	699-72-86	UNCLASSIFIED		31-May-43	27						RANNEY TW #1, RANNEY TW#1						31-May-43
26	A9765	699-74-48O	HOSTED PIEZOMETER	A5329	31-Oct-62	150	31-May-65	100	89.46						26-Mar-06			31-Oct-62
27	A9766	699-74-48P	HOSTED PIEZOMETER	A5329	31-Oct-62	150	30-Sep-63	130	128									31-Oct-62
28	A9024	699-84-36B	UNCLASSIFIED									14/27-29E1						
29	A9035	699-84-62B	UNCLASSIFIED		31-Jan-73	250						BH-2			9-Jan-07			31-Jan-73
30	A9036	699-84-62C	UNCLASSIFIED		31-Jan-73	109						BH-4	100-N-5	100-NR-1	9-Jan-07			31-Jan-73
31	A9037	699-84-62D	UNCLASSIFIED		31-Dec-72	116						BH-5	100-N-5	100-NR-1	9-Jan-07			31-Dec-72
32	A9038	699-84-62E	UNCLASSIFIED		31-Dec-72	254						BH-6	100-N-5	100-NR-1				31-Dec-72
33	A9039	699-84-62F	UNCLASSIFIED		31-Dec-72	111						BH-7	100-N-5,100-N-35	100-NR-1	9-Jan-07			31-Dec-72
34	A9040	699-84-62G	UNCLASSIFIED		31-Dec-72	120						BH-9	100-N-35	100-NR-1	9-Jan-07			31-Dec-72
35	A9041	699-84-62H	UNCLASSIFIED		31-Oct-72	75						BH-10	100-N-35,100-N-46,UPR-100-N-37	100-NR-1	9-Jan-07			31-Oct-72
36	A9042	699-84-62J	UNCLASSIFIED		31-Dec-72	110						BH-15	UPR-100-N-37	100-NR-1	9-Jan-07			31-Dec-72
37	A9043	699-84-62K	UNCLASSIFIED		31-Jan-73	111						BH-20	100-N-5,100-N-35	100-NR-1	10-Jul-07			31-Jan-73
38	A9044	699-84-63A	UNCLASSIFIED		31-Dec-72	115						BH-3	100-N-5,100-N-67	100-NR-1				31-Dec-72
39	A9085	699-93-49	UNCLASSIFIED									T14NR26E14Q1						
40	A9783	699-S14-20AP	HOSTED PIEZOMETER	A5367	12-Nov-58	172	31-Aug-63	153	150			699-S14-20P			7-Aug-06	28-Oct-69	28-Oct-69	12-Nov-58
41	C3550	C3550	UNCLASSIFIED															



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

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

Administrative Well Decommissioning

June 2007 Package 6

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

Created and Published by: Central Mapping Services
Fluor Hanford, Richland, WA (509) 373-9026

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Vertical Datum: NAVD88

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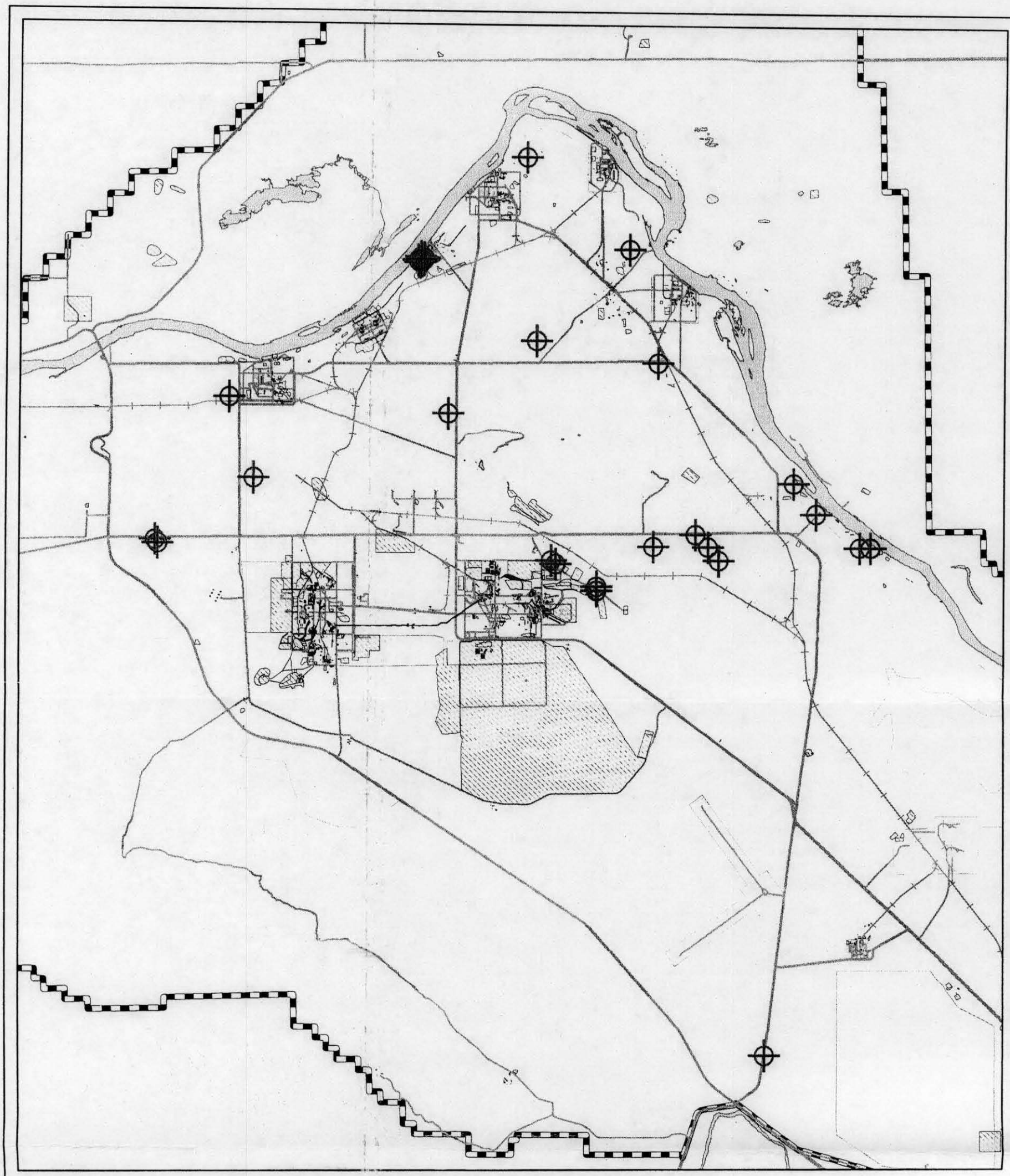

Wells Administratively Decommissioned

Buildings and Mobiles

Highways

Major Roads

Railroads

Waste Sites

Hanford Reach National Monument

Administrative Well Decommissioning

June 2007 Package 6

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

Created and Published by: Central Mapping Services
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A8683 699-43-41B

This well was Decommissioned
See photo of Approximate Location
Ed. Rafiee 11/28/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8683			NORTHING	136626.75
WELL NAME	699-43-41B	CONST DATE		EASTING	577531.673
HOST WELL ID		CONST DEPTH		ELEVATION	

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

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

ND* - Not Documented

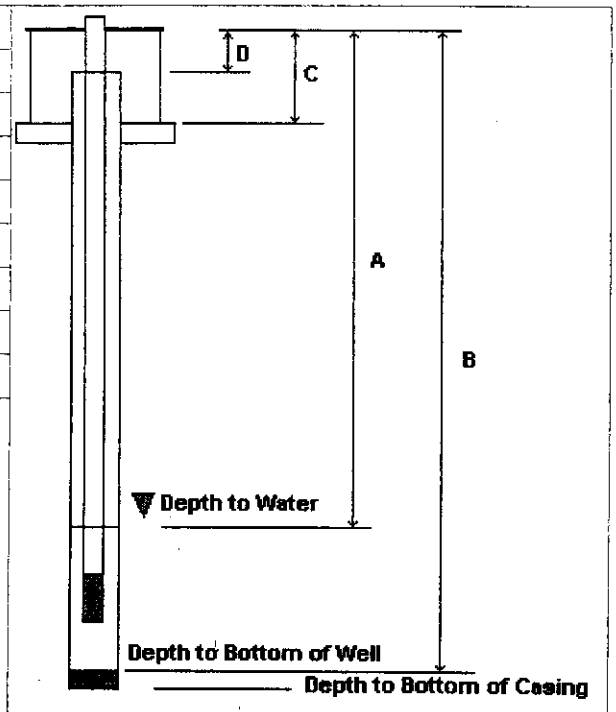
THIS WELL HAS BEEN DECOMMISSIONED
SEE photo of APPROXIMATE WELL LOCATION
Ed. Rogers 11/08/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8683			NORTHING	136626.75
WELL NAME	699-43-41B	CONST DATE		EASTING	577531.673
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)	WELL	/
	DEPTH TO WATER DATE	ABANDONED	/
B	DEPTH TO BOTTOM(ft)	11/08/06	NA
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		/
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE_COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-43-8		43267.00	473.23	283.0					
SW		-7528.00	6.0						
			11/79						GOLDER 7
699-43-9		42625.00	490.74	220.0					GOLDER #105
GW		-8683.00	6.0	162.0					
			10/80	128.0					GOLDER 105
699-43-18		42881.00	517.97	490.0					
GW		-18039.00	6.0	148.0					
			3/80	126.0					GOLDER 32
699-43-23		43345.00	519.31	510.0					
SW		-22683.00	6.0						
			3/80						GOLDER 24
699-43-40	136705.54	43357.40	542.20	137.0	S	4.0	114.3	135.3	
GW	577583.34	-40379.10	4.0	135.3					
H			10/91	118.3					
699-43-41A		43700.00		40.0					DESTROYED
AB		-40950.00	6.0						
			5/84						
699-43-41B		43100.00		45.0					DESTROYED
AB		-40550.00	6.0						
			5/84						
699-43-41CP							14.0	15.0	
GW									
699-43-41CQ							6.0	7.0	
GW									
699-43-41DP							7.0	8.0	
GW									
			8/84						
699-43-41E	136594.40	42994.90	550.86	150.0	S	4.0	135.2	145.8	
GW	577479.10	-40723.00	4.0	145.8					
H			8/89	126.0					BP-4
699-43-41F	136579.00	42944.50	551.01	177.5	S	4.0	165.0	175.7	
GW	577479.70	-40720.90	4.0	175.7					
H			8/89	126.4					BP-9

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

699-~~41~~-41B, DECOMMISSIONED WELL - APPROXIMATE LOCATION 11/25/06

A 8683

WELL DESTROYED

Well Number 699-43-41B
Former Designation
Computer Number

SURVEY DATA

Coordinates N 43100
W 40550
Casing Elevation —
Date Surveyed —

COMPLETION DATA

Completion Depth 45'
Static Water Depth
Date Drilled 5-9-84 to 5-9-84
Date Modified to
Date Destroyed 6-25-84

DRILL METHOD

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

CASING DEPTH

4"	-	
6"	0 - 45'	CASING PULLED
8"	-	
10"	-	
None	-	
	-	
	-	

PERFORATION

Type
Depths - Schedule

SCREEN

Type
Length
Slot Size
Depths -

GROUT

Interval - Volume

ROCK SAMPLES

Interval
Analyses
Logged by J. Evans
Data Custodian G. Wachiunas
Storage Location 210-M

WATER SAMPLES

Interval
Analyses
Data Custodian

WELL PURPOSE

Hydrologic test site
Infiltration lake evaluation
DE&D Proj.

COMMENTS

Casing pulled and
hole backfilled

WELL CUSTODIAN

Name G. Wachiunas
Section Hydrogeology Unit
Department R&E Rockwell

WELL DESTROYED

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans	68K	43-41-B		CT 4501
DATE 5-17-84	4318	DEPTH 0 TO 6'		SUBCONTRACT NO. JAJ 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				JAT Rig up drilled down 6'		
				Took sample every 2'		
				0 To 1' silty sand		
				1 To 6' 10% cs, 10% ms, 20% l cobbles		
				20% s cobbles, 20% l pebbles, 20% s pebbles		
				# 1 — 3 hrs.		
				# 6 — 3 hrs		
						3 hr.

REMARKS:

A-6000-021 (1-74)

D—DRIVE BARREL H—HARD TOOL

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans	68K	43-41-13		CT 4501
DATE 5-8-84	4318	DEPTH 6' TO 30'		SUBCONTRACT NO. JAJ 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
10'				6' To 30' 10% CS 10% ms 20% b cobbles		
5.				20% S cobbles, 20% b Pebbles, 20% S Pebbles		
5.				sample every 3'		
7'						
27' of 6" Pipe						
				# 1 – 8 hr.		
				# 6 – 8 hr.		
				One shot 6"		
						8 hr.

REMARKS:

A-6000-021 (1-74)

B-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VS-VERY SMALL

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans		43-41-B		CT 4501
DATE 5-19-84		DEPTH 30' to 45'		SUBCONTRACT NO. JAI 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
27'				30' To 41' 10% CS 10% MS, 20% L cobbles		
7'				20% S cobbles, 20% L Pebbles, 20% S Pebbles		
7'				41' To 45' 10% CS, 20% MS, 10% L cobbles 10% Fine sand		
5'				10% S cobbles, 20% L pebbles, 20% S Pebbles		
4.5' of 6" Pipe				Tor Rig down Mobil moved To Dwell 5' more and Rig back up		
				#1 — 8 hr.		
				# 6 — 8 hr.		
						8 hr.

REMARKS:

A-6000-021 (1-74)

D—DRIVE BARREL H—HAND TOOL L—LARGE M—MEDIUM S—SMALL VC—VERY COARSE C—COARSE F—FINE VF—VERY FINE

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans	68K	43-41 B		CT 4501
DATE 6-25-84	4318	DEPTH TO		SUBCONTRACT NO. J&J 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Pulled 6" Pipe out and back filled hole		
				hauled 6" Pipe To 200 W a some To B Pond		
				dike Tank Rig down and Moved To T Farm		
				in 200 W		
				Painted numbers on well # E 13-14		
				E13-15, E13-17, E13-18, E13-12, E13-19, E13-11		
				E 13-8, E13-9, E13-10, E13-7		
				# 1 - 8 hrs.		
				# 6 - 8 hrs.		
						8 hrs.

REMARKS:

A-6000-021 4)

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

A8709 699-44-41

THIS WELL HAS BEEN DECOMMISSIONED
SEE PHOTO FOR APPROX. WELL LOCATION
ED. Rogers 11/08/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8709			NORTHING	136779.222
WELL NAME	699-44-41	CONST DATE		EASTING	577530.803
HOST WELL ID		CONST DEPTH		ELEVATION	

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

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

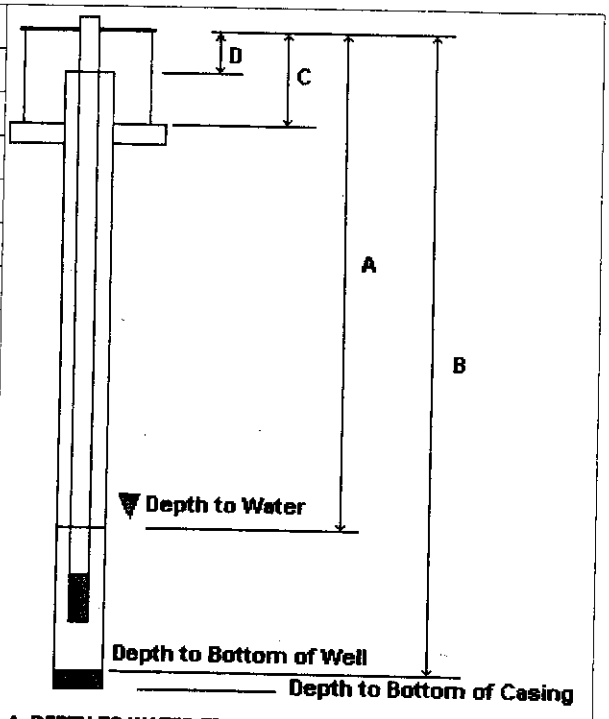
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8709			NORTHING	136779.222
WELL NAME	699-44-41	CONST DATE		EASTING	577530.803
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		THIS WELL
	DEPTH TO WATER DATE		HAS BEEN
B	DEPTH TO BOTTOM(ft)		DECOMMISSIONED NA
	DEPTH TO BOTTOM DATE		Ed. Rogers
C	STICK UP(ft)		11/08/06
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE_COMPL	DRILL DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-43-104		42979.00	766.07	464.0	P	8.0	52.0	360.0	PLUG AT 380 FT.
GW		-104298.00	8.0	424.0					
B			11/57	285.0					
699-43-104P		42979.00	766.07	425.0	P	1.5	420.0	425.0	60 SLOT SCREEN
GW		-104298.00	1.5	425.0					
			9/78						
699-44-2			433.50	70.0					CASING PULLED, HOLE BACKFILLED
AB			6.0						
			9/80						
699-44-4		44434.00	391.27	55.0	P	6.0	32.0	54.0	
GW		-3562.00	6.0	51.5					
B			7/79	35.0					699-45-4
699-44-7		44185.00	437.78	475.0					
GW		-6730.00	6.0	475.0					
B			11/80	66.0					GOLDER 106
699-44-16		44275.00	447.49	384.0					
GW		-16336.00	6.0	144.0					
			3/80	57.0					GOLDER 33
699-44-27		43871.00	468.92	423.0					
SW		-27249.00	6.0						
			4/80						GOLDER 42
699-44-28		43853.00	466.63	110.0					
SW		-28088.00	6.0	67.0					
			12/80						GOLDER 80
699-44-39A				42.0					
SW			6.0						
			9/85						699-44-39
699-44-39B	136727.61			181.9	S	4.0	98.9	119.2	
GW	577960.80		4.0	119.2					
H			11/92	93.3					
699-44-41		43600.00		52.0					DESTROYED
AB		-40550.00	6.0						
			5/84						
699-44-42							151.0	171.7	SCREEN 151-172
GW							152.3	172.5	
H									BP-3

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

11/09/[illegible] 699-44-41 APPROXIMATE LOCATION OF DECOMMISSIONED WELL

A8709

WELL COMPLETION REPORT

WELL DESTROYED

Well Number 699-44-41
Former Designation
Computer Number

SURVEY DATA

Coordinates N 43600
(N 40551)
Casing Elevation
Date Surveyed

COMPLETION DATA

Completion Depth 50'
Static Water Depth
Date Drilled 5-10-84 to 5-16-84
Date Modified to
Date Destroyed 6-22-84

DRILL METHOD

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

Other

CASING DEPTH

4" -
6" 0 - 50 CASING PULLED
8" -
10" -
None -

PERFORATION

Type
Depths - Schedule

SCREEN

Type
Length
Slot Size
Depths -

GROUT

Interval - Volume

ROCK SAMPLES

Interval
Analyses
Logged by J. Evans
Data Custodian G. Wackenhut
Storage Location 210-M

WATER SAMPLES

Interval
Analyses
Data Custodian

WELL PURPOSE

PERCOLATION TEST SITE FOR THIRD LOBE EXPANSION OF B-POND.

COMMENTS

CASING PULLED AND HOLE BACKFILLED

WELL CUSTODIAN

Name G. Wackenhut
Section Hydrogeology Unit
Department R&E Rockwell

WELL DESTROYED

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO
Evans	68K	~~43-41-C~~ 44-41		CT 4501
DATE 5-10-84	4318	DEPTH 0' TO 6'		SUBCONTRACT NO. JAI 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
10'				Tire Rig down & moved and set upon		
				hole # 43-41-C went To Pipe yard and		
				Picked up 25' of 6" Pipe		
				0' To 2' 60% FS, 20% MS, 20% CS		
				2' To 6' 20% CS, 10% MS, 10% FS 20% 6 cobbles		
				10% L cobbles, 20% L Pebbles, 10% S Pebbles		
				sampled every 2'		
				#1 - 8 hr.		
				#6 - 8 hr.		
				One 6" drive shoe		
						8 hr.

REMARKS:

A-6000-021 (1-74)

D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VL-VERY LARGE

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans	68K	~~43-41-C~~ 44-41		CT 4501
DATE 5-11-84	4318	DEPTH 6' TO 28'		SUBCONTRACT NO. JAJ 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
10'				6' To 28' 20% M S 10% C S, 20% L cobbles.		
5'				20% L Pebbles, 20% S Pebbles 10% S cobbles		
6' 6"				Took samples every 2'		
7				# 1 – 8 hr.		
28' 6"				# 6 – 8 hr.		
						8 hr.

REMARKS:

A-5000-021 (1-74)

B-DRIVE BARREL H-HARD TOOL

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans	68K	~~43-41C~~ 44-41		CT 4501
DATE 5-14-84	4818	DEPTH 28' to 48'		SUBCONTRACT NO. JAJ 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
28'6"				28' TD 48 20% m3, 10% c3, 20% 1 cobbles		
6'				20% 2 Pebbles, 20% 3 Pebbles, 10% 3 cobbles		
7'				Tools samples every 2'		
[redacted]						
[redacted]						
4'						
45'6"	of 6" pipe			# 1 - 8 hr.		
				# 6 - 8 hr.		

REMARKS:

8 hr.

A-6000-021 (1-74)

D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans	68K	~~43-41-C~~ 44-41		CT 4501
DATE 5-16-84	4318	DEPTH 48' TO 52'		SUBCONTRACT NO. J-J 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUGHNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
45' 6"				48' TO 52' 20% ms, 10% cs, 20% sl cobbles		
5				20% L Pebbles, 20% S Pebbles 10% S cobbles		
50' 6" of 6" Pipe				Took samples every 2'		
				Tore Rig down & moved to 200 E		
				#1 - 8 hr.		
				#2 - 8 hr.		
						8 hr.

REMARKS:

A-6000-021 (1-74)

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

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Evans	68K	44-41		CT-4501
DATE 6-22-64	4318	DEPTH TO		SUBCONTRACT NO. TAT 1604

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				To Rig down and Moved a SAT upon hole 44-41		
				Pulled all 6" D.P. out 45' Back Filled hole		
				To Rig down & moved a SAT upon hole 43-48		
				#1 - 8 hr.		
				#6 - 8 hr.		
						8 hr.

REMARKS:

A-5000-021 I

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

A8738 699-46-46

THIS WELL HAS BEEN DECOMMISSIONED
SEE PHOTO FOR APPROXIMATE WELL LOCATION
Ed Rojas 11/03/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8738			NORTHING	137628.308
WELL NAME	699-46-46	CONST DATE		EASTING	575989.585
HOST WELL ID		CONST DEPTH		ELEVATION	

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

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

ND* - Not Documented

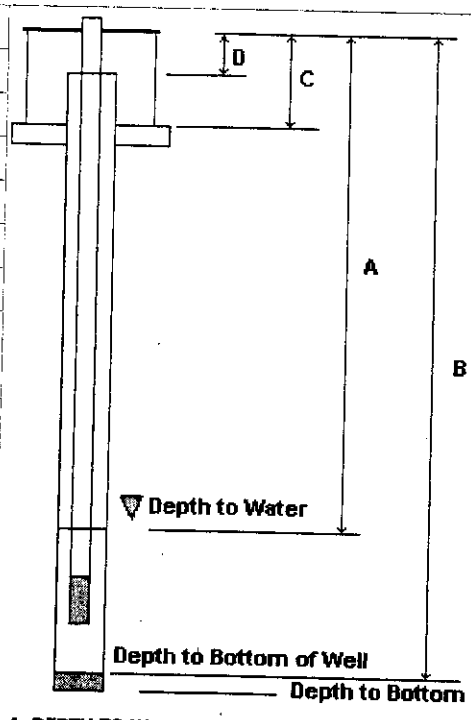
This well has been decommissioned
See photo for approximate well location
Ed. Rafaw
11/08/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8738			NORTHING	137628.308
WELL NAME	699-46-46	CONST DATE		EASTING	575989.585
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

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



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

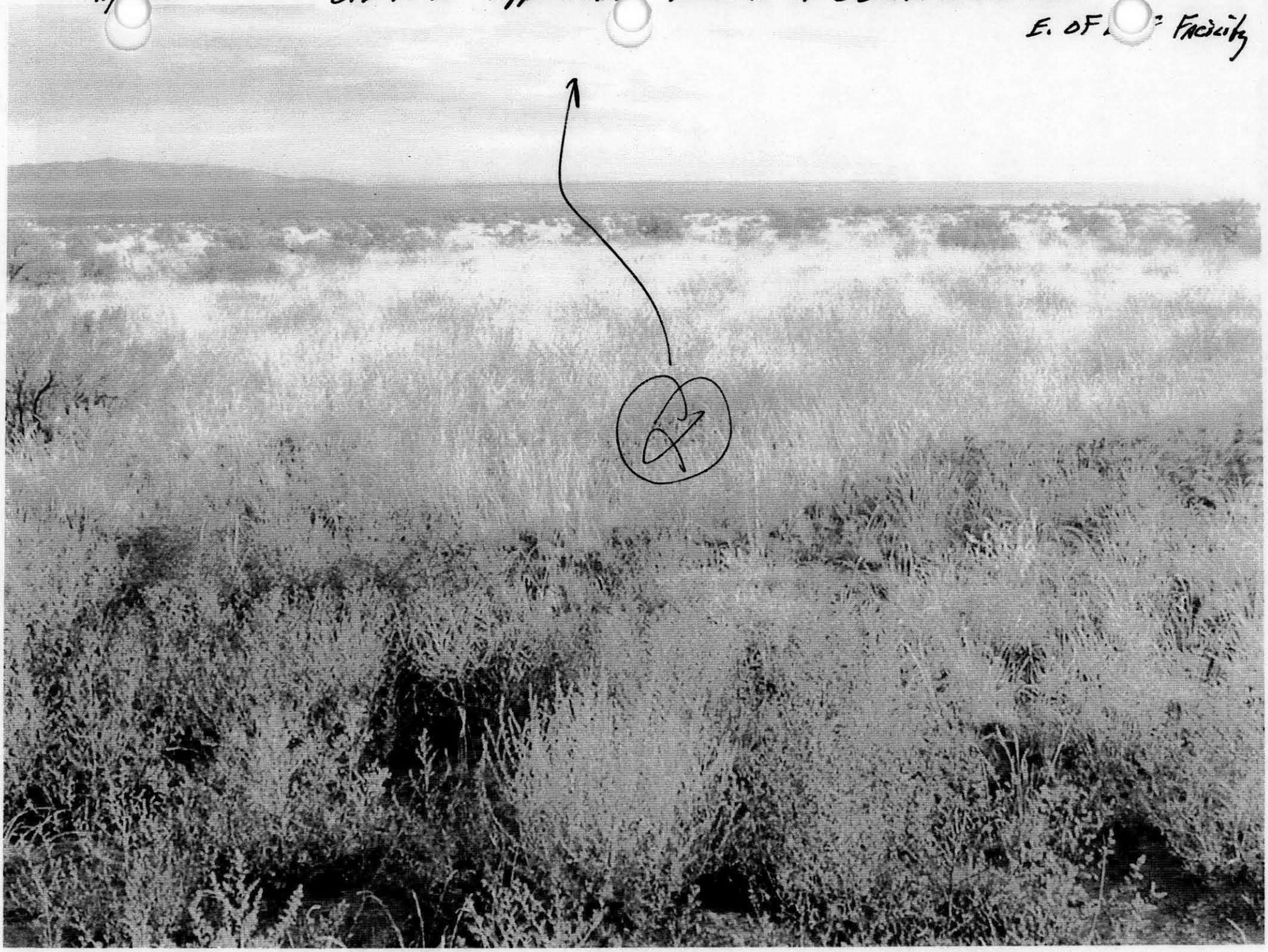
SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

11/[illegible]/06 699-46-46 APPROXIMATE LOCATION OF DECOMMISSIONED WELL

E. OF [illegible] FACILITY



WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE_COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-46-21E		46311.00	522.45	180.0					
SW		-21113.00	6.0	179.0					
			2/80						699-46-21D, GOLDER
699-46-21F		46273.00	523.86	180.0					
SW		-21160.00	6.0	180.0					
			2/80						699-46-21E, GOLDER
699-46-21G		46237.00	523.76	180.0					
SW		-21219.00	6.0	71.6					
			2/80						699-46-21F, GOLDER
699-46-31		46226.00	476.30	573.0					4" PVC TO 570 FT.
GW		-30575.00	4.0						
			9/82	90.0					GOLDER MJ-1
699-46-32		46192.00	470.20	425.0	S	4.0	349.0	412.0	SCREEN 349-412 FT.
GW		-31576.00	6.0	412.0					
			9/82	60.0					GOLDER MJ-2
699-46-33		46160.00	468.50	273.0					4" PVC TO 273 FT.
GW		-32577.00	4.0						
			8/82						GOLDER MJ-3
699-46-46		46400.00		40.0					
VW		-45600.00	6.0						
			3/85						
699-46-				.0					GROUTED
699-46-				0					GROUTED
699-46-				0					BWIP WELL DH-23; ABANDONED
				0					DH-23
699-46-85B		45720.00	791.87	723.0					BWIP WELL RRL-7; ABANDONED
AB		-84815.00	5.5	723.0					
			1/81						RRL-7
699-47-5		46975.00	382.25	45.0	P	6.0	21.0	44.0	CEMENT PLUG AT 42'
GW		-5419.00	6.0	45.0					
S			7/79	25.0					699-47-6

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

WELL COMPLETION REPORT

Well Number 699-46-46
Former Designation
Computer Number

SURVEY DATA

Coordinates N46400
W45600
Casing Elevation
Date Surveyed

COMPLETION DATA

Completion Depth 40'
Static Water Depth
Date Drilled 3-4-85 to 3-11-85
Date Modified to
Date Destroyed

DRILL METHOD

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

Other

CASING DEPTH

4"		
6"	0'	40'
8"		
10"		
None		

PERFORATION

Type

Depths	Schedule

SCREEN

Type
Length
Slot Size
Depths

GROUT

Interval	Volume

ROCK SAMPLES

Interval 2 Foot
Analyses
Logged by D. Garcia
Data Custodian M. Fuchs
Storage Location 2101-M

WATER SAMPLES

Interval
Analyses
Data Custodian

WELL PURPOSE

Percolation test well for contingency pond.

COMMENTS

Well casing will be pulled after percolation test is completed.

WELL CUSTODIAN

Name G.L. Wagenaar
Section Hydrogeology
Department R+E Rockwell

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
David		699-46-VC		CT 5521
DATE 3-4-85		DEPTH 0 TO 6'		SUBCONTRACT NO. J.A.S. 1220

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				#1 Moved rig to well site clean well		
				site some weeds moved over stake		
				set up, went to get trailer with		
				6" casing and jars	4hrs.	
				#2	4hrs.	
				Total 4 hrs.		

REMARKS:

A-6000-021 (1-74)

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

DRILL LOG	BY David	RIG	WELL NUMBER 699-46-46	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT5521
	DATE 3/5/85		DEPTH 0 to 7'	JAS	SUBCONTRACT NO. 1720

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				#1 MAKE up drive barrel and drilling		
				jars started drilling from 0 to 7'		
				big cobbles & f. gray sand bent drive		
				barrel at 4' 6' & 7' everytime we		
				bent, it pulled casing back out		
				went to 200 west pickup 4" drive		
				barrel pickup sample jars at		
				Serry's well site went back to well		
				rig down and moved rig propane tank		
				pipe in trailer 6" to different well		
				site	8hrs	
				#6 MOVED TO NEW DRILL	8hrs.	
				SITE		
				Total	8hrs	

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HARD ZONE L-LEAKY M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE STANDING WATER

DRILL LOG	BY David	RIG	WELL NUMBER 699-46-46	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 5521
	DATE 3/6/85		DEPTH 0 TO 7'		SUBCONTRACT NO. S.A.S. 1720

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
9'5"	7'			#1 Set rig up MAKE up drilling JACS		
				MADE ONE NEW 4" drive barrel, MAKE up		
				drive barrel AND started drilling from		
				0'-1' sand & silt from 1'-7' vc gravels		
				AND f. sand gray color	4hrs	
				#6	4hrs	
				Total	4hrs	

REMARKS:

STANDING WATER

DRILL LOG	BY David	RIG	WELL NUMBER 699-46-46	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT5521
	DATE 3/7/85		DEPTH 7' TO 15'		SUBCONTRACT NO. S.A.S. 1720

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
16'1"	15			#7 drilled from 7' to 15' hard drilling		
				had trouble keeping dirt in barrel, dirt lost.		
				Lime powder & VC gravel, Color gray, broke drive barrel		
				cut & reweld drive barrel, weld 6' 8" of		
				6" casing		
				#6	8hrs	
				Total	8hrs	

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ——— STANDING WATER

DRILL LOG	BY David	RIG	WELL NUMBER 699 46-46	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT5521
	DATE 3-8-85		DEPTH 15' TO 28'		SUBCONTRACT NO. S.A.S.1720

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				#1 Drilled from 15' to 28 from 15' to 28'		
				MC. GRAVELS LF. SAND color GRAY		
				welded 6'8" OF 6" CASING drilled		
				down		
				#6	8hrs.	
				Total	8hrs	

REMARKS:

A-6000-021 (1-74)

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

DRILL LOG	BY David	RIG	WELL NUMBER 699 46-46	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 5521
	DATE 3/11-85		DEPTH 28' TO 40'		SUBCONTRACT NO. 5A.51720

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				#1 welded 5' of 6" casing drill down		
				welded 5' of 6" casing drill down		
				welded 3' of 6" casing drill down		
				drilled from 28' to 40' from 28' to		
				39' c. gravel s. f. sand gray color		
				39' to 40' f. sand s. gravels		
				#6	8hrs	
				Total	8hrs	

REMARKS:

DRILL LOG	By David	Rig	Well Number 699 46-46	Computer Number	Project or Work Order No. C+ 5547
	Date 7-22-85		Depth To		Subcontract No. S.A.S. 1778

Total Casing	Depth	Drill Method	Wet/Dry Sample	LITHOLOGIC DESCRIPTION % Each Grain Size, Color, Roundness, Caliche, Etc.	Time	Drilling Comments
				Went to yard to get truck with bentonite and Jars truck was not in yard didn't have a way of hauling things	2hrs.	
				#1 Moved rig from ur crib to well # 699-46-46, moved trailer, set rig up and pulled 40' of 6" casing	6hrs.	
				#6	6hrs.	
				Total	8hrs.	

REMARKS:

D - Drive Barrel H - Hard Tool L - Large M - Medium S - Small VC - Very Coarse C - Coarse F - Fine VF - Very Fine ____ Standing Water

A 6000 021 (5 85)

DRILL LOG	By David	Rig	Well Number 199-46-46	Computer Number	Project or Work Order No. CT5547
	Date 7-23-85		Depth To		Subcontract No. 5A51778

Total Casing	Depth	Drill Method	Wet/Dry Sample	LITHOLOGIC DESCRIPTION % Each Grain Size, Color, Roundness, Caliche, Etc.	Time	Drilling Comments
				#1 Pickup truck in yard haul 126' of		
				6" casing, 16 sacks of bentonite,		
				504 jars or 42 boxes unload at		
				U12 crib by big. went to well #46-46		
				set rig down moved from 46-46 to		
				moved rig & propane tank		
				got stuck with rig.	8hrs.	
				#4	3hrs	
				#6	4hrs.	
				Total	8hrs	

REMARKS:

D - Drive Barrel H - Hand Tool L - Large M - Medium S - Small VC - Very Coarse C - Coarse F - Fine VF - Very Fine ____ Standing Water

A.6000 021 (5-85)

A8747 699-47-25

APPEARS TO BE DECOMMISSIONED, COULD NOT LOCATE
* NEED SCAN & LOCATE SURVEY DOCS ECL 11/16/06

WELL ATTRIBUTES REPORT

DIFFICULT ACCESS TO WELL - SANDY AND LO. WORK

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8747			NORTHING	137752.124
WELL NAME	699-47-25	CONST DATE		EASTING	582124.063
HOST WELL ID		CONST DEPTH		ELEVATION	164.196

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

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	ED. Rafter
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	11/16/06
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

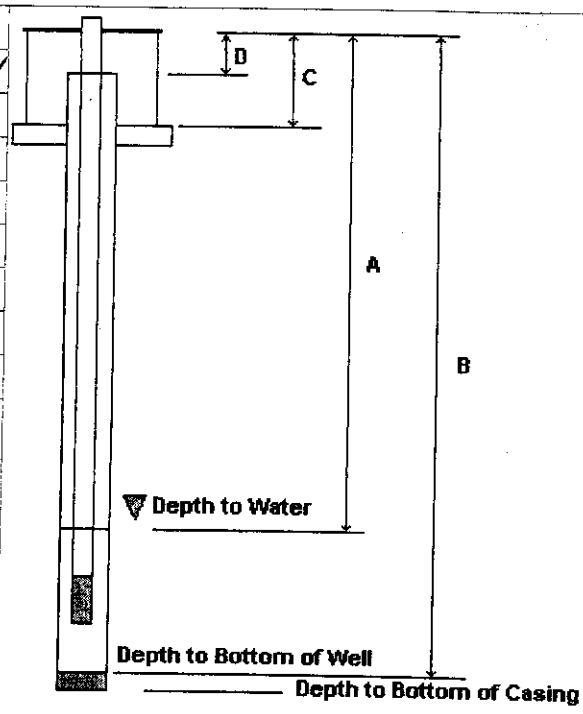
ND* - Not Documented

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8747			NORTHING	137752.124
WELL NAME	699-47-25	CONST DATE		EASTING	582124.063
HOST WELL ID		CONST DEPTH		ELEVATION	164.196

MEASUREMENT INFORMATION

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



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES WELL APPEARS TO BE DECOMMISSIONED. NEED ROAD WORK - DIFFICULT ACCESS. NEED SURVEY SCAN/ AND LOCATE REPORTS

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

699-47-25 (A8747) POSSIBLE WELL LOCATION 11/16/06

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-47-7			385.00	55.0					FILLED IN
UN			60.0	55.0					T13NR28E31K1, 699-HAN-39
699-47-24		46595.00	517.32	440.0					
SW		-23921.00	6.0						
			3/80						GOLDER 35
699-47-25		46749.00	535.22	435.0					
SW		-25470.00	6.0						
			3/80						GOLDER 22
699-47-35A							5.0	102.0	REPERF. 75-87 FT.
GW									
S									46-34
699-47-35B							7.0	97.0	
GW									
B									
699-47-35C							7.0	100.0	SCREEN
GW									
			5/75	70.0					
699-47-42		47310.00	469.89	1971.0					BWIP WELL - ABANDONED
AB		-41772.00	4.0	1971.0					
			11/79						DB-15
699-47-46									
GW									
699-47-46A		47039.00	580.14	207.0	P	8.0	168.0	181.0	
GW		-45994.00	8.0	184.0					
S			8/61	174.0					699-47-46
699-47-46B		46800.00		46.0					CASING PULLED.
AB		-46200.00	6.0						
			9/84						
699-47-50		47266.00	584.22	295.0	S	6.0	260.0	295.0	10 AND 20 SLOT SCREEN
GW		-49508.00	6.0	295.0					
H			6/80	179.2					
699-47-51		47481.00	583.45	167.0					ABANDONED
VW		-50969.00	8.0	167.0					
			10/59						48-51

Hanford Wells

PNL-8800 UC-903

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699-47-24 (Cont'd)

Material	Thickness	Depth
Fine sand & silt, some gravel, trace clay	20	315
Medium to fine sand & gravel . . .	10	325
Fine sand & silt, trace clay & gravel	85	410
Basalt	30	440

A8747 699-47-25

699-47-25 (Golder Well #22) 13/27-34M1
Location: ~N46749, W25469
Casing Elevation: 535.22
Air rotary, drilled by Carman Water Wells & logged by Wilkening of Golder Associates for NESCO, 1980, geologic investigation borehole

Material (11)	Thickness	Depth
Sandy coarse to fine gravel . . .	20	20
Coarse to fine gravel	5	25
Sandy coarse to fine gravel . . .	25	50
Slightly sandy coarse to fine gravel	15	65
Coarse to fine gravel	15	80
Silty coarse to fine gravel . . .	5	85
Slightly gravelly silt	10	95
No record	3	98
Gravelly silt	17	115
Coarse to fine gravel	1	116
Silty coarse to fine gravel . . .	9	125
Slightly silty coarse to fine gravel	20	145
Coarse to fine gravel w/trace of silt	5	150
Silty coarse to fine gravel . . .	10	160
Slightly silty coarse to fine gravel	10	170
Coarse to fine gravel w/trace silt	10	180
Coarse to fine gravel	5	185
Coarse to fine gravel w/trace silt	5	190
Coarse to fine gravel	5	195
Coarse to fine gravel w/trace silt	10	205
Coarse to fine gravel	5	210
Slightly silty coarse to fine gravel	10	220
Coarse to fine gravel w/trace silt	5	225
Slightly silty sandy coarse to fine gravel	5	230

HANFORD WELLS
PNL-8800 UC-903
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699-47-25 (Cont'd)

Material	Thickness	Depth
No record	5	235
Silty sandy coarse to fine gravel	15	250
Slightly silty sandy coarse to fine gravel	5	255
Silty coarse to fine gravel & sand	5	260
Coarse to fine gravel & sand . . .	5	265
Silty coarse to fine gravel & sand	5	270
Slightly silty coarse to fine gravel & sand	10	280
Silt to sand w/some gravel	5	285
Medium gravel w/some sand	15	300
Sand w/some gravel	10	310
Silty sand w/some clay & gravel	25	335
Sand w/some gravel	30	365
Silty sand w/some clay & gravel .	20	385
Sand w/some gravel	25	410
Gravelly sand w/some silt & clay	25	435
Basalt	20	455

HANFORD WELLS
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A8751 699-47-46B

This WELL HAS BEEN DECOMMISSIONED
SEE PHOTO FOR APPROXIMATE LOCATION
EC Refuse 11/08/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID A8751
WELL NAME 699-~~45~~ 47-41B
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 137742.712
EASTING 575806.341
ELEVATION

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☑ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☑ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☑ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ☐ NO
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (In)		TUBING SIZE (In)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

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

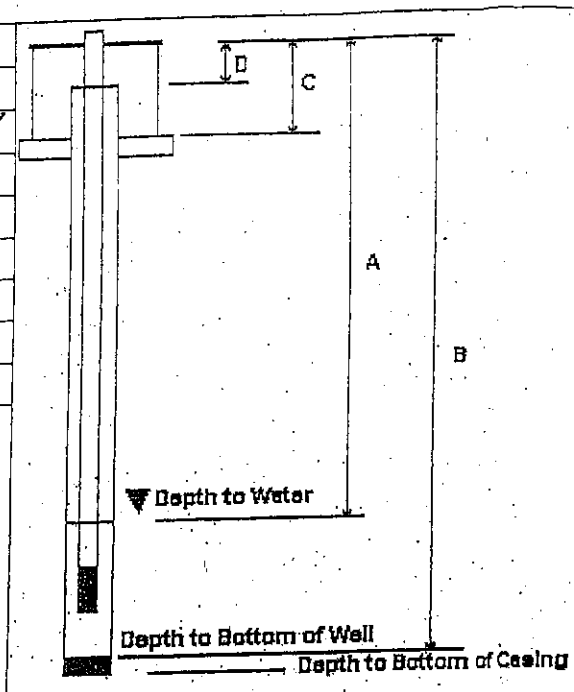
1/24/2003

WELL ATTRIBUTES REPORT

FIELD ORDER NO		DRILL DATE		LAST INSPECTION	
WELL ID	A8751	CONST DATE		NORTHING	137749.712
WELL NAME	699-47-46B	CONST DEPTH		EASTING	575806.341
HOST WELL ID				ELEVATION	

MEASUREMENT INFORMATION

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



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

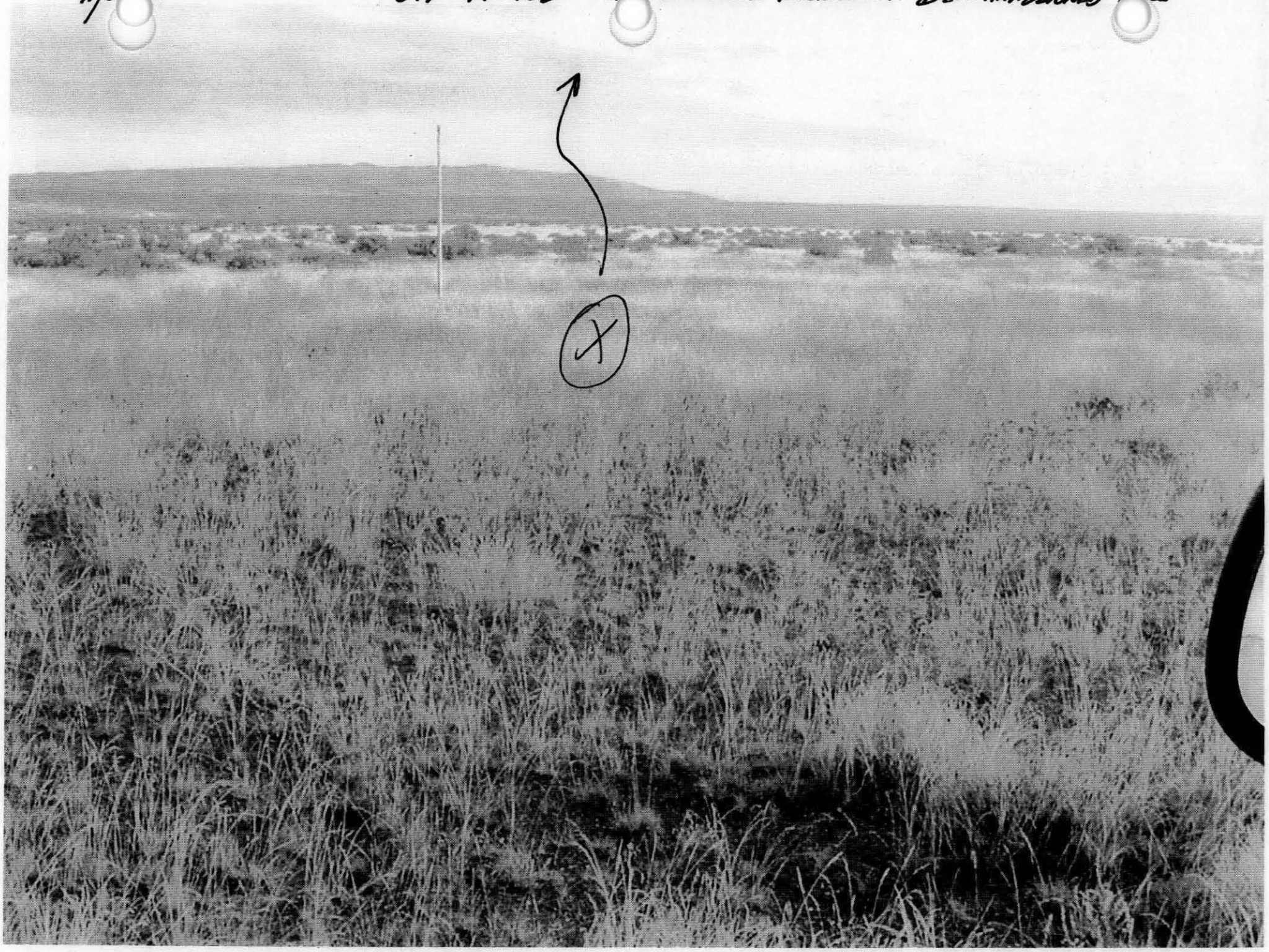
SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

1/24/2003

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

11/0[illegible]/06 699-47-46B APPROXIMATE LOCATION OF DECOMMISSIONED WELL



WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-47-7			385.00	55.0					FILLED IN
UN			60.0	55.0					T13NR28E31K1, 699-HAN-39
699-47-24		46595.00	517.32	440.0					
SW		-23921.00	6.0						
			3/80						GOLDER 35
699-47-25		46749.00	535.22	435.0					
SW		-25470.00	6.0						
			3/80						GOLDER 22
699-47-35A		46875.00	476.36	107.0	P	8.0	65.0	102.0	REPERF. 75-87 FT.
GW		-34703.00	8.0	88.0					
S			8/55	63.5					46-34
699-47-35B		46917.00	476.65	108.0	P	6.0	77.0	97.0	
GW		-34694.00	6.0	108.0					
B			5/75	70.0					
699-47-35C		46900.00	476.41	100.0	S	10.0	67.0	100.0	SCREEN
GW		-34719.00	12.0	100.0					
			5/75	70.0					
699-47-42		47310.00	469.89	1971.0					BWIP WELL - ABANDONED
AB		-41772.00	4.0	1971.0					
			11/79						DB-15
699-47-46									
GW									
699-47-46A		47039.00	580.14	207.0	P	8.0	168.0	181.0	
GW		-45994.00	8.0	184.0					
S			8/61	174.0					699-47-46
699-47-46B		46800.00		46.0					CASING PULLED.
AB		-46200.00	6.0						
			9/84						
699-47-50							0.0	295.0	10 AND 20 SLOT SCREEN
GW									
H									
699-47-51									ABANDONED
VW									48-51

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

Well Number 699-47-46B
Former Designation
Computer Number

SURVEY DATA

Coordinates N46800.00 W46200.00
Casing Elevation
Date Surveyed

COMPLETION DATA

Completion Depth 46'
Static Water Depth
Date Drilled 8-23-84 to 9-4-84
Date Modified to
Date Destroyed 2-27-85

DRILL METHOD

- [ ] Air Rotary
- [ ] Mud Rotary
- [x] Cable Tool
- [ ] Auger
- [ ] Core

Other

CASING DEPTH

4"		
6"	0	46'
8"		
10"		
None		

PERFORATION

Type

Depths	Schedule

SCREEN

Type
Length
Slot Size
Depths

GROUT

Interval	Volume

ROCK SAMPLES

Interval
Analyses
Logged by
Data Custodian
Storage Location

WATER SAMPLES

Interval
Analyses
Data Custodian

WELL PURPOSE

PERCOLATION TEST WELL FOR PROPOSED SITE FOR GABLE MOUNTAIN CONTINGENCY POND.

COMMENTS

WELL DESTROYED

WELL CUSTODIAN

Name G.L. WIKENMAR
Section HYDROGEOLOGY
Department R&E ROCKWELL

699-47-46B

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
DATE		DEPTH TO		SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
	38-40		very light moist	red/coarse light brownish gray sand 10% pebbles ≈ 2-4mm		
	40-42			same		
	42-44			Same		
	44-46			Same		

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ____ STANDING WATER

699-47-46 B

DRILL LOG	BY David	RIG	WELL NUMBER 699-47-46A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT5521
	DATE 2-22-85		DEPTH TO		SUBCONTRACT NO. S.A.S 1220

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
			#2	Finished pulling 6" casing, loaded on trailer, pulled 20' of 6" casing for a total of 45' of altogether back fill 6" hole set rig down and pickup things around well site, repaired main line guide replaced wood and one metal side, moved rig to Be crib, set rig up on well #13-6	8hrs	
			#6		8hrs	
				Total	8hrs	

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE STANDING WATER

699-47- 26 B

DRILL LOG	BY David	RIG	WELL NUMBER 699-47-46A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT5521
	DATE 2-26-85		DEPTH TO		SUBCONTRACT NO. S.A.S. 1720

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
			#1	Haul Cars to Sab site, get rig ready to move		
				cut hole 6" casing E24-4 for pitless adapter		
				moved rig from A-9 crib to B pond, went		
				back to A9 crib loaded barrels, haul		
				2" pipe on trailer to BC crib and unloaded		
				moved trailer to B pond site, set rig up		
				started pulling 6" casing, went to get		
				clean barrel from rig at TS crib		
				moved to site by B pond, pulled 6"		
				casing. A total of 25' Had to drive		
				and pulled		
			#6		8hrs.	
				Total	8hrs	

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ____ STANDING WATER

699-47-6B

DRILL LOG	BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
	[illegible]	7-27 - 0-7 8-28 - 7-18 8-29 - 18-32 8-30 - 32-46	699-47-46A		SUBCONTRACT NO.
	DATE 8-27 thru 30-85		DEPTH 0 to 46		

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
	0-2'		dry	fine lt brown sand, 15-20% Gravels to 2"		
	2-4'			fine lt brown sand, 25-30% Gravels to 2"		
	4-6'			fine lt brownish gray sand 60% Gravels to 4"		
	6-8'			same Gravels to 5"		
	8-10'			fine to very fine light gray sand 45% Gravels to 5"		
	10-12'			fine to very fine light gray sand 25% Gravels to 5"		
	12-14'			med + fine light gray sand 75% Gravels to 6"		
	14-16'			same		
	16-18'			same 60% Gravels to 6"		
	18-20'			fine + very fine light gray sand 40% Gravels to 3"		
	20-22'			same 50% Gravels to 3"		
	22-24'	—		same 50% Gravels to 6"		
	24-26'	slightly moist		same cemented coarse + fine sand fragments		
	26-28'	slightly moist		fine/med/coarse lt gray sand 40% Gravels to 2" " " "		
	28-30'	slightly moist		fine light gray sand 45% Gravels to 3"		
	30-32'			fine/med light [illegible] sand 50% Gravels to 5"		
	32-34'	slightly moist		med lt. brown sand 20% Gravels to 2"		
	34-36'	very slightly moist		med/coarse lt. brown sand 30% pebbles 2-4mm		
	36-38'	same		same cemented fragments to 1"		

REMARKS:

Gruld 3-2125

A-6000-021 (1-[illegible]) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ___ STANDING WATER

699-1 -46B

DRILL LOG	BY Evans	RIG 68K	WELL NUMBER E 47-46A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 4544
	DATE 8-23-89	4318	DEPTH TO		SUBCONTRACT NO. JDT 1655

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Rig was stuck [redacted] Oil came		
				with 4 wheel drive and Pulled Rig out		
				set Rig up went to 200w and got 4" drive		
				Barrel hauled 6" Pipe made up Tools		
				# 1 - 7hr		
				# 6 - 6 hr.		
				# 4 - 1 hr.		
						7hr

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ____ STANDING WATER

699-47-1 B

DRILL LOG	BY Evans	RIG 68K	WELL NUMBER E 47-46-A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 45 41
	DATE 8-27-89	4318	DEPTH 0' TO 6'		SUBCONTRACT NO. J&J 1655

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
10'				hauled [redacted] sample pans from yard to		
				200 W		
				0' to 6' 20% S cobbles, 20% L Pebbles, boulders at 6"		
				20% S Pebbles subRounded & angular brown-black		
				20% FS 5% MS angular brown, black, gray 5% silt		
				went over to #12 and [redacted] cleaned up		
				building		
				# 1 - 8 hr.		
				# 6 - 8 hr.		
	2'	D	Dry	clean		
	4'	D	Dry	clean		
	6'	D	Dry	clean		
						8 hr.

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HAND TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ____ STANDING WATER

699-1 -46B

DRILL LOG	BY Evans	RIG CBR	WELL NUMBER F47-46-A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 4544
	DATE 8-28-84	4318	DEPTH 6' TO 18'		SUBCONTRACT NO. JAJ 1655

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
10'				6' To 18' 50% sub cobbles, 20% S cobbles		
5'				30% L Pebbles, 20% S Pebbles, sub Rounded		
5'6"				Brown, black, gray 20% FS, 5% ms, angular		
20'6"	FL Pit			brown, black, gray, white 10% S.R Brown		
				boulder at 10' and Trouble getting Past		
	8'	D	Dry	clean #1- 8 hr.		
	10'	D	Dry	" #6- 8 hr.		
	12'	D	Dry	"		
	14'	D	Dry	"		
	16'	D	Dry	"		
	18'	D	Dry	"		
						8 hr.

REMARKS:

A-6000-021 (1-..)

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

699-47 6B

DRILL LOG	BY Evans	RIG 68K	WELL NUMBER E 47-46-A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 45414
	DATE 8-29-84	4318	DEPTH 18' TO 34'		SUBCONTRACT NO. TaT 1655

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
20' 6"				18' To 29' 50% L cobbles, 20% L cobbles		
7				30% L Pebbles, 20% S Pebbles subRounded		
7				Brown, black, gray 20% FS, 5% MS angular		
34' 6" 6F 6"	P.Pe			Brown black, gray 10% SiLT Brown		
				29' To 32' 30% L Pebbles, 30% S Pebbles		
				subRounded 20% MS, 10% FS angular brown		
				black, gray 10% SiLT brown		
				32' To 34' 20% CS, 20% MS, 30% FS 10% VFS		
				Angular brown, black 10% SiLT Brown		
	18	D	Dr	Brown boulder AT 24'		
	20	D	Dry	"		
	22	D	Dry	"		
	24	D	Dry	" #1 - 8hr.		
	26	D	Dry	" #6 - 8hr.		
	28	D	Dry	"		
	30	D	Dry	"		
	32	D	Dry	"		8hr.

REMARKS:

A-6000-021 (1-75)

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

699-4 -46B

DRILL LOG	BY Evans	RIG 68K	WELL NUMBER E47-46-A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 45 421
	DATE 8-30-84	431B	DEPTH 34' TO 46'		SUBCONTRACT NO. JaJ 16 55

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
34' 6"				34' To 46' 30% MS 20% CS 30% FS		
6				10% VCS Angular Brown, Black, grey		
6				5% Pebbles, subround Black 5% Silt		
46' 6" of 6"		Pipe				
				P.T. new Rope Socket on		
	36'	D	Dry	Clean		
	38'	D	Dry	Clean		
	40'	D	Dry	Clean #1 - 8 hr		
	42'	D	Dry	Clean #6 - 8 hr.		
	44'	D	Dry	Clean		
	46'					
						8

REMARKS:

A-6000-021 (1-...) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ____ STANDING WATER

699-47-46B

DRILL LOG	BY Evans	RIG 68K	WELL NUMBER W-47-46-A	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. CT 45 74
	DATE 9-4-84	4318	DEPTH 0 TO 0		SUBCONTRACT NO. JAJ 16 55

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Tore Rig down & moved To Greenhut		
						1
				# 1 - 5 hr.		
				# 6 - 5 hr.		
						5 hr.

REMARKS:

A-6000-021 (1-74) D-DRIVE BARREL H-HARD TOOL L-LARGE M-MEDIUM S-SMALL VC-VERY COARSE C-COARSE F-FINE VF-VERY FINE ___ STANDING WATER

A8766 699-48-27

WELL HAS BEEN ~~LOCATED~~ - DECOMMISSIONED
HRS ~~NEED~~ SCAN AND SURVEY REPORT BEEN COMPLETED ??
SEE PHOTOS ECK 11/8/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8766			NORTHING	138267.789
WELL NAME	699-48-27	CONST DATE		EASTING	581719.854
HOST WELL ID		CONST DEPTH		ELEVATION	161.404

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION ACCESS TO WELL O.K.	☐ MAJOR ☐ NONE ☑ MINOR
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	Ed Rafer
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	11/6/06
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

7/28/2006

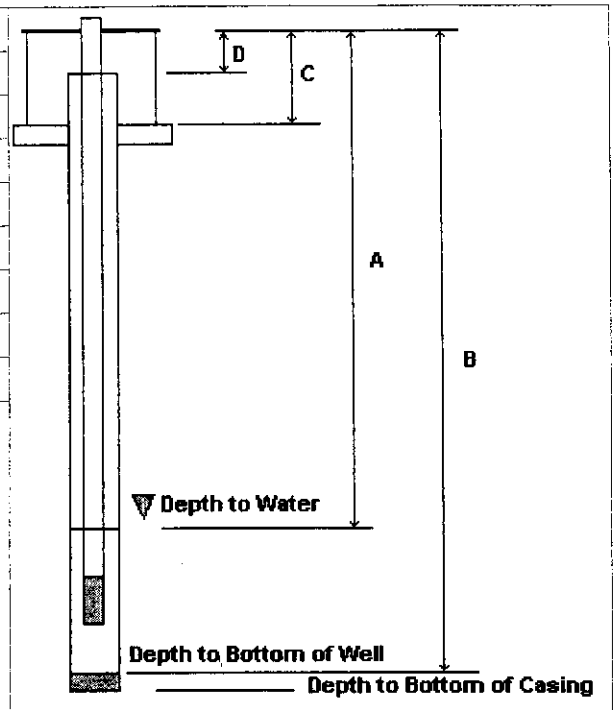
WELL HAS BEEN DECOMMISSIONED
SEE PHOTOS
MINOR ACCESS.

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8766			NORTHING	138267.789
WELL NAME	699-48-27	CONST DATE		EASTING	581719.854
HOST WELL ID		CONST DEPTH		ELEVATION	161.404

MEASUREMENT INFORMATION

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



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

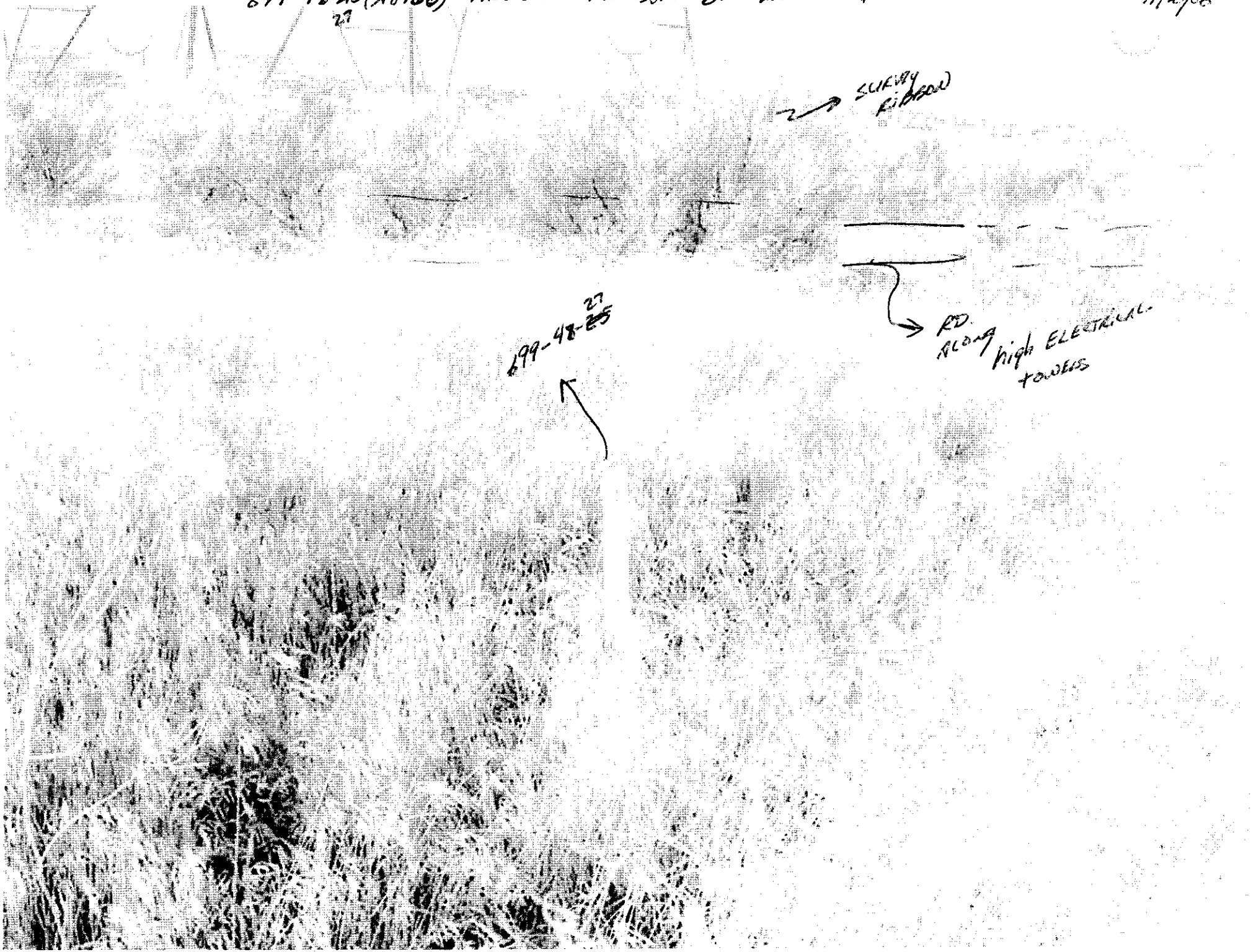
CHANGES

ND* - Not Documented

7/28/2006

699-48-~~25~~ 27 (A8788) - THIS WELL NOT BEING DECOMMISSIONED

11/16/06



WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE_COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-47-80D		46986.00	712.18	1485.0					BWIP WELL DC-20D; ABANDONED;
BW		-80038.00	12.5	1495.0					PIEZOMETERS CEMENTED
			1/84	300.0					DC-20D
699-47-80DP		46986.00		1408.0					SCREEN 1386-1408 FT.
GW		-80038.00	1.8						
			1/84						
699-47-92		47410.00	807.50	755.0					BWIP WELL RRL-8; ABANDONED
AB		-91631.00	6.0	755.0					
			10/81						RRL-8
699-48-6			381.50	45.0					FILLED IN
			60.0	45.0					
			12/20						REF.2 NO.177, 699-HAN-35
699-48-7A		48470.00	384.72	54.0	P	12.0	12.0	32.0	
GW		-6547.00	12.0	50.0					
S			8/43	20.0					699-HAN-6, HD-6W, 699-48-7
699-48-7B			386.65	45.0					FILLED IN
			2.0	45.0					
			6/43						T13NR28E31F2, 699-HAN-36
699-48-7C			382.54	78.0					FILLED IN
UN			6.0	78.0					
			3/43						T13NR28E31G1, 699-HAN-37
699-48-7D			385.00	33.0					FILLED IN
UN			44.0	34.0					
									T13NR28E31G5, 699-HAN-38
699-48-17									FILLED IN
AB									
									699-HAN-25, HD-22TH
699-48-18							60.0	75.0	HANFORD #24
GW									
S									699-HAN-24, HD-21TH
699-48-22									
GW									
B									GOLDER 36
699-48-27		48445.00	526.06	447.0					FILLED IN
AB		-26792.00	6.0						
			3/80						GOLDER 21

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

A8766 699-48-27

699-48-27 (Golder Well #21) 13/27-33H1
Location: ~ N48445, W26792
Casing Elevation: 526.06
Air rotary, drilled by Carman Water Wells & logged by Wilkening, Burrell & Lubrecht of Golder Associates for NESCO, 1980, geologic investigation borehole

Material (11)	Thickness	Depth
Silty sand	5	5
Cobbly sandy coarse to fine gravel	5	10
Slightly sandy coarse to fine gravel	5	15
Sandy coarse to fine gravel	16	31
Gravelly coarse to medium sand	4	35
Slightly gravelly coarse to medium sand	9	44
Sandy gravel	16	60
Silt w/trace fine sand	10	70
Silt w/trace clay	5	75
Clayey silt	5	80
Silt	5	85
Slightly gravelly & sandy silt	15	100
Gravelly sandy silt	5	105
Sandy silt	10	115
Slightly gravelly, silty sand	5	120
Gravelly silty sand	5	125
Slightly silty gravelly coarse to fine sand	5	130
Sandy gravel	5	135
Slightly sandy gravel	5	140
Slightly sandy & silty gravel	5	145
Slightly sandy coarse to fine gravel	30	175
Slightly sandy silty coarse to fine gravel	10	185
Slightly cobbly, sandy, silty gravel	5	190
Slightly sandy silty gravel; cemented sand matrix on some clasts at 205 ft.	30	220
Gravel w/trace sand & silt	15	235
Sandy gravelly silt	20	255
Silty sandy gravel	15	270
No record	5	275
Silty sandy gravel	25	300
Clayey gravel	10	310
Fine gravel w/some silt & trace clay	10	320
Fine gravel w/some silt	20	340
Clay	20	360
Slightly gravelly clay	15	375
Gravelly clay	15	390
Sandy gravelly clay	5	395
Sand & gravel, trace silt & clay	7	402
Basalt	45	447

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

A8760 699-48-7B

THIS WELL HAS BEEN DECOMM. 12/15/06
SEE SURVEY REPORT & PHOTO

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8760			NORTHING	138256
WELL NAME	699-48-7B	CONST DATE		EASTING	587424
HOST WELL ID		CONST DEPTH		ELEVATION	118.915

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

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

ND* - Not Documented

12/15/06

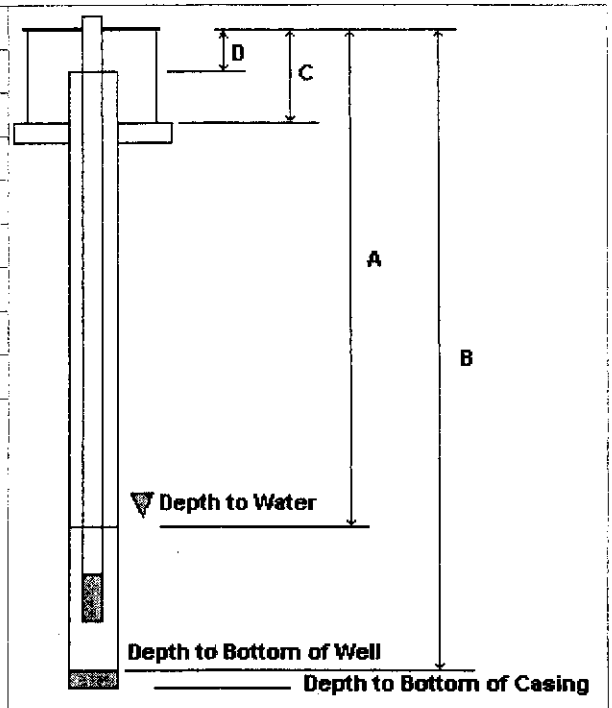
This well has been decomm.
See photo & survey report

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8760			NORTHING	138256
WELL NAME	699-48-7B	CONST DATE		EASTING	587424
HOST WELL ID		CONST DEPTH		ELEVATION	118.915

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	45	
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-47-80D		46986.00	712.18	1485.0					BWIP WELL DC-20D; ABANDONED;
BW		-80038.00	12.5	1495.0					PIEZOMETERS CEMENTED
			1/84	300.0					DC-20D
699-47-80DP		46986.00		1408.0					SCREEN 1386-1408 FT.
GW		-80038.00	1.8						
			1/84						
699-47-92		47410.00	807.50	755.0					BWIP WELL RRL-8; ABANDONED
AB		-91631.00	6.0	755.0					
			10/81						RRL-8
699-48-6			381.50	45.0					FILLED IN
			60.0	45.0					
			12/20						REF.2 NO.177, 699-HAN-35
699-48-7A		48470.00	384.72	54.0	P	12.0	12.0	32.0	
GW		-6547.00	12.0	50.0					
S			8/43	20.0					699-HAN-6, HD-6W, 699-48-7
699-48-7B			386.65	45.0					FILLED IN
			2.0	45.0					
			6/43						T13NR28E31F2, 699-HAN-36
699-48-7C									FILLED IN
UN									T13NR28E31G1, 699-HAN-37
699-48-7D									FILLED IN
UN									T13NR28E31G5, 699-HAN-38
699-48-17									FILLED IN
AB									699-HAN-25, HD-22TH
699-48-18		47903.00	424.98	86.0	P	6.0	60.0	75.0	HANFORD #24
GW		-17870.00	6.0	83.5					
S			3/44	64.0					699-HAN-24, HD-21TH
699-48-22		47989.00	517.38	405.0					
GW		-22219.00	6.0	113.0					
B			3/80						GOLDER 36
699-48-27		48445.00	526.06	447.0					FILLED IN
AB		-26792.00	6.0						
			3/80						GOLDER 21

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

SCAN DATA REPORT

Request No.: 064-505			
Project No.: A	Title: WELL DECOMMISSIONING - WELL A8760 (Hanford Town Site))		File No.: HANF-001
Job No.: 65400801.1193120 homex-CA10	Prepared by: Rand Taylor	Date: 9/27/06	Reviewer: Jim Johnson
Page 1 of 1			

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8760.

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

DATE OF FIELD INVESTIGATION: 9/27/06

Weather: Temp 75°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

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

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

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8760.

EQUIPMENT LIMITATIONS:

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

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

SURVEY DATA REPORT

Request No. 063-0335			
Project No.	Title: Well Decomissioning / A8760 thru 8762		File No. 6AT13R28
No. 65400801.1193120 CA10	Prepared By Tim Johnson	Date 9/25/06	Reviewer
Page 1 of 1			

DESCRIPTION OF WORK

See attached

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

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

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Elevation	Feature Code	Description
A8760	138255.991	587424.025	118.491	WELL	Observed

No well observed. Set hub and lath.

Name	Northing	Easting	Elevation	Feature Code	Description
A8761	138256.001	587829.024	117.657	WELL	Observed

No well observed. Set hub and lath.

Name	Northing	Easting	Elevation	Feature Code	Description
A8762	138256.000	587829.000	?	WELL	Published

Same coordinates as A8761.

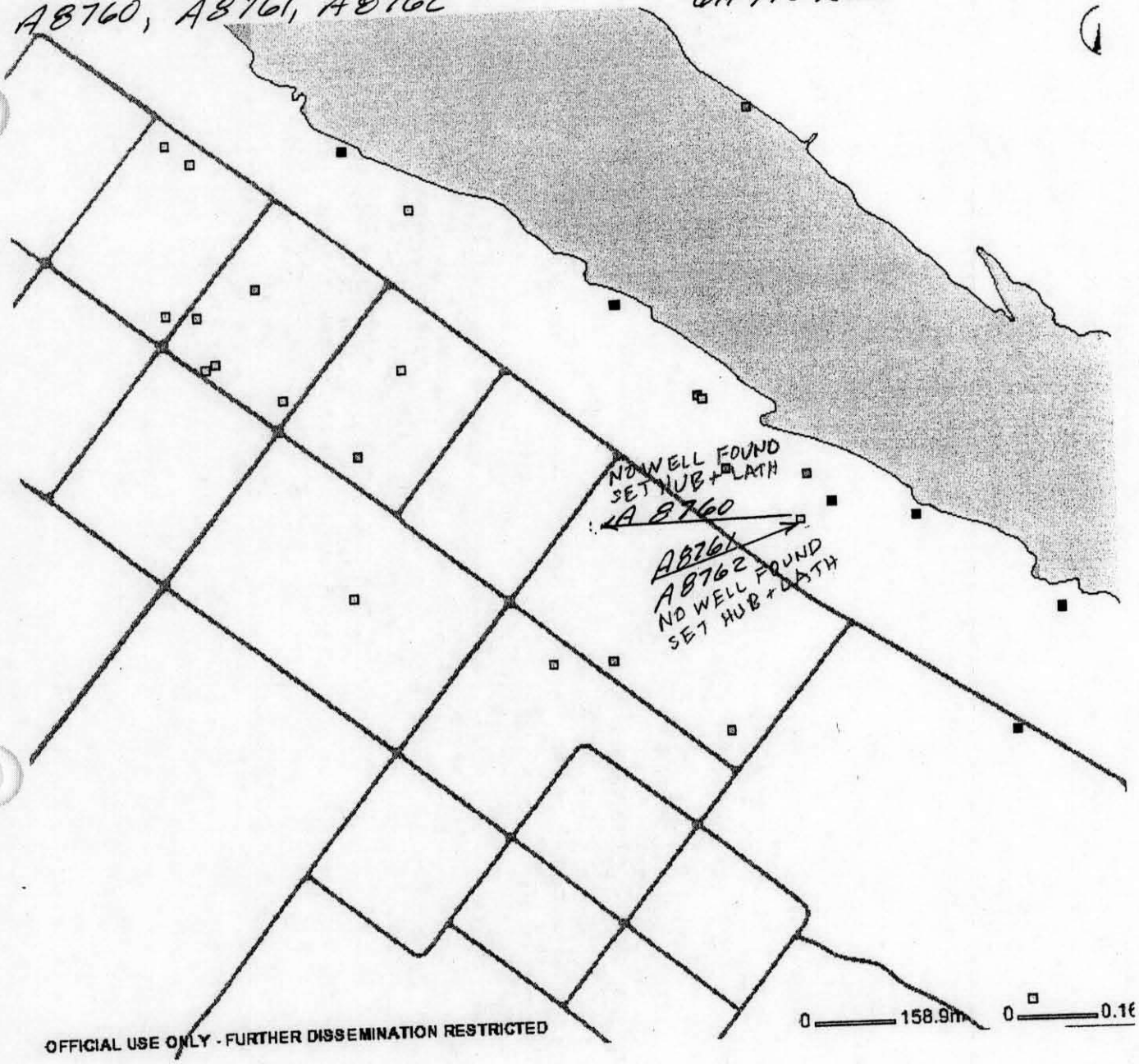
NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

E-NW-246 (09/04)

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

A8760, A8761, A8762

6A T13 R28



OFFICIAL USE ONLY - FURTHER DISSEMINATION RESTRICTED

699-48-78 (A8760) THIS WELL HAS BEEN DECOMM. 12/8/06

A8761 699-48-7C

THIS WELL HAS BEEN DECOMM. SEE SURVEY REPORT & PHOTO 12/13/06

WELL ATTRIBUTES REPORT

ELD ORDER NO				LAST INSPECTION	1/1/1801
ELL ID	A8761			NORTHING	138256
WELL NAME	699-48-7C	CONST DATE		EASTING	587829
HOST WELL ID		CONST DEPTH		ELEVATION	117.662

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

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

ND* - Not Documented

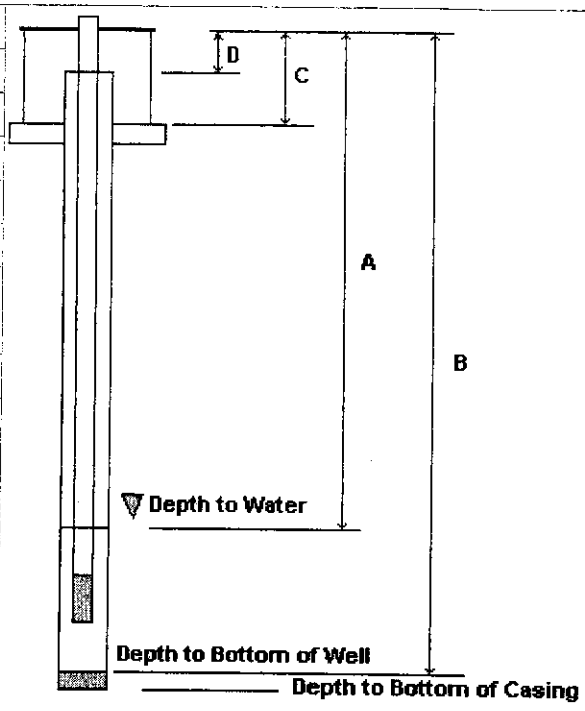
THIS WELL HAS BEEN DECOMM. 7/13/06
SEE SURVEY REPORT & PHOTO

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8761			NORTHING	138256
WELL NAME	699-48-7C	CONST DATE		EASTING	587829
HOST WELL ID		CONST DEPTH		ELEVATION	117.662

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	78	
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-47-80D		46986.00	712.18	1485.0					BWIP WELL DC-20D; ABANDONED;
BW		-80038.00	12.5	1495.0					PIEZOMETERS CEMENTED
			1/84	300.0					DC-20D
699-47-80DP		46986.00		1408.0					SCREEN 1386-1408 FT.
GW		-80038.00	1.8						
			1/84						
699-47-92		47410.00	807.50	755.0					BWIP WELL RRL-8; ABANDONED
AB		-91631.00	6.0	755.0					
			10/81						RRL-8
699-48-6			381.50	45.0					FILLED IN
			60.0	45.0					
			12/20						REF.2 NO.177, 699-HAN-35
699-48-7A		48470.00	384.72	54.0	P	12.0	12.0	32.0	
GW		-6547.00	12.0	50.0					
S			8/43	20.0					699-HAN-6, HD-6W, 699-48-7
699-48-7B			386.65	45.0					FILLED IN
			2.0	45.0					
			6/43						T13NR28E31F2, 699-HAN-36
699-48-7C			382.54	78.0					FILLED IN
UN			6.0	78.0					
			3/43						T13NR28E31G1, 699-HAN-37
699-48-7D									FILLED IN
UN									
									T13NR28E31G5, 699-HAN-38
699-48-17									FILLED IN
AB									
									699-HAN-25, HD-22TH
699-48-18							60.0	75.0	HANFORD #24
GW									
S			[illegible]	[illegible]					699-HAN-24, HD-21TH
699-48-22		47989.00	517.38	405.0					
GW		-22219.00	6.0	113.0					
B			3/80						GOLDER 36
699-48-27		48445.00	526.06	447.0					FILLED IN
AB		-26792.00	6.0						
			3/80						GOLDER 21

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

SCAN DATA REPORT

Request No.: 064-505		
Project No.: [illegible]A	Title: WELL DECOMMISSIONING - WELL A8761 (Hanford Town Site))	File No.: HANF-001
[illegible] No.: 65400801.1193120 homex-CA10	Prepared by: Rand Taylor	Date: 9/27/06
Reviewer: Tom Johns	Page 1 of 1	

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8761.

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

DATE OF FIELD INVESTIGATION: 9/27/06

Weather: Temp 75°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

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

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

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8761.

EQUIPMENT LIMITATIONS:

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

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

SURVEY DATA REPORT

				Request No. 063-0335
Project No.	Title: Well Decomissioning / A8760 thru 8762			File No. 6AT13R28
No. 65400801.1193120 CA10	Prepared By Tim Johnson	Date 9/25/06	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
See attached	Survey File	OR		
	Bonnie Howard	1		
Coordinate System: US State Plane 1983	J. Davis	1		
Zone: Washington South 4602	D. Biggerstaff	1		
Project Datum NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum NAVD 1988	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Elevation	Feature Code	Description
A8760	138255.991	587424.025	118.491	WELL	Observed

No well observed. Set hub and lath.

Name	Northing	Easting	Elevation	Feature Code	Description
A8761	138256.001	587829.024	117.657	WELL	Observed

No well observed. Set hub and lath.

Name	Northing	Easting	Elevation	Feature Code	Description
A8762	138256.000	587829.000	?	WELL	Published

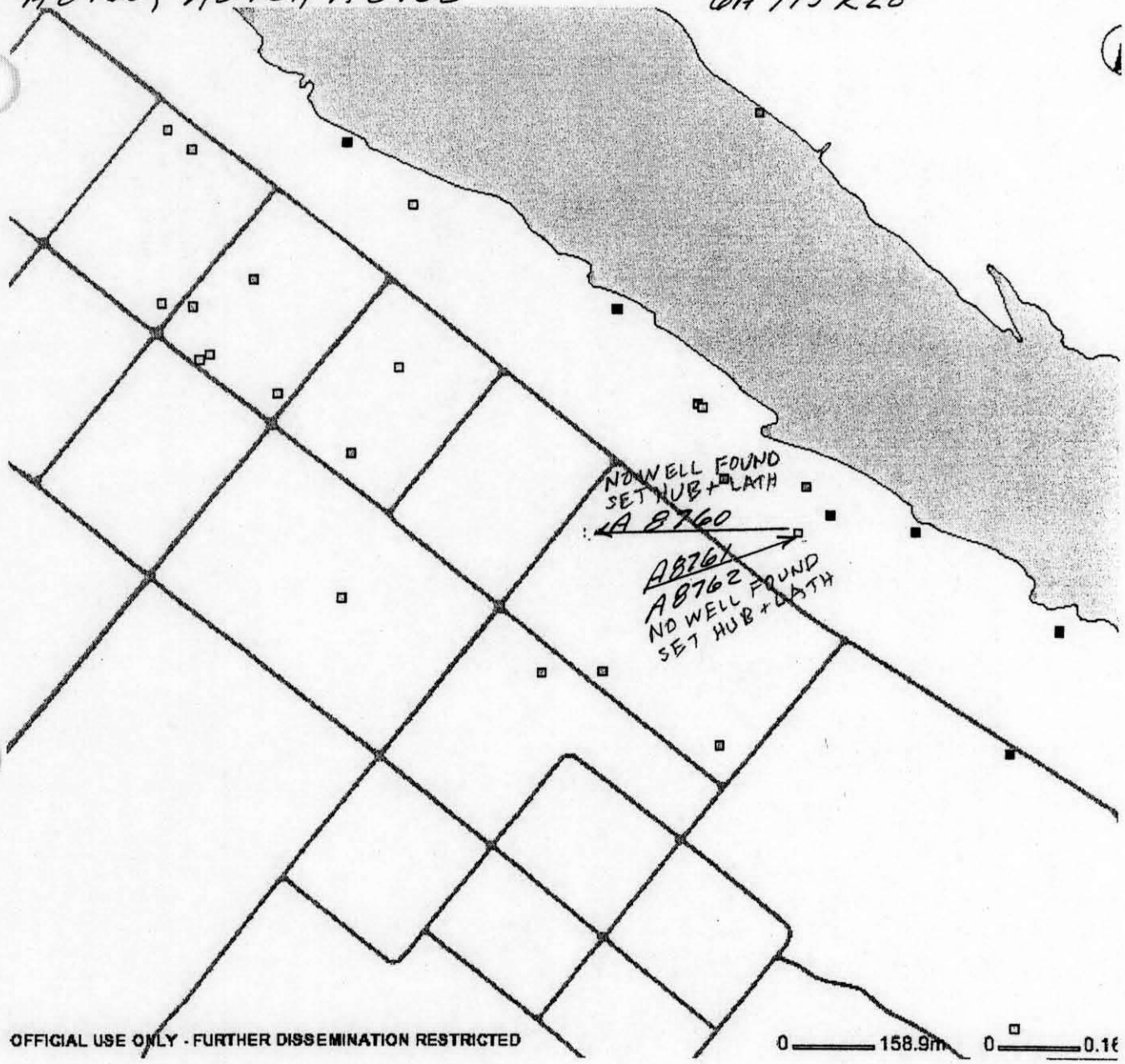
Same coordinates as A8761.

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

E-NW-246 (09/04)

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

A8760, A8761, A8762 6A T13 R28



A8761 - 689-48-7C
A8762 - 689-48-7D
These have been Decomm.
2/18/06

A8762 699-48-7D

THIS WELL HAS BEEN DECOMM. SEE SURVEY REPORT & PHOTO 12/15/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8762			NORTHING	138256
WELL NAME	699-48-7D	CONST DATE		EASTING	587829
HOST WELL ID		CONST DEPTH		ELEVATION	118.412

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

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

ND* - Not Documented

THIS WELL HAS BEEN DESTROYED.
SEE SURVEY REPORT & PHOTO

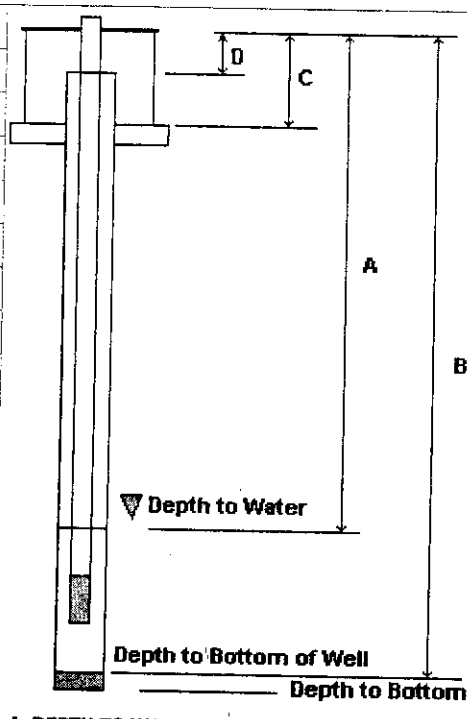
8/15/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8762			NORTHING	138256
WELL NAME	699-48-7D	CONST DATE		EASTING	587829
HOST WELL ID		CONST DEPTH		ELEVATION	118.412

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	34	
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

A 8761 - 699-48-7C
A 8762 - 699-48-7D

THESE WELLS HAVE BEEN DECOMM.

12/06

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE_COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-47-80D		46986.00	712.18	1485.0					BWIP WELL DC-20D; ABANDONED;
BW		-80038.00	12.5	1495.0					PIEZOMETERS CEMENTED
			1/84	300.0					DC-20D
699-47-80DP		46986.00		1408.0					SCREEN 1386-1408 FT.
GW		-80038.00	1.8						
			1/84						
699-47-92		47410.00	807.50	755.0					BWIP WELL RRL-8; ABANDONED
AB		-91631.00	6.0	755.0					
			10/81						RRL-8
699-48-6			381.50	45.0					FILLED IN
			60.0	45.0					
			12/20						REF.2 NO.177, 699-HAN-35
699-48-7A		48470.00	384.72	54.0	P	12.0	12.0	32.0	
GW		-6547.00	12.0	50.0					
S			8/43	20.0					699-HAN-6, HD-6W, 699-48-7
699-48-7B			386.65	45.0					FILLED IN
			2.0	45.0					
			6/43						T13NR28E31F2, 699-HAN-36
699-48-7C			382.54	78.0					FILLED IN
UN			6.0	78.0					
			3/43						T13NR28E31G1, 699-HAN-37
699-48-7D			385.00	33.0					FILLED IN
UN			44.0	34.0					
									T13NR28E31G5, 699-HAN-38
699-48-17									FILLED IN
AB									699-HAN-25, HD-22TH
699-48-18							.0	75.0	HANFORD #24
GW									
S									699-HAN-24, HD-21TH
699-48-22									
GW									
B			3/80						GOLDER 36
699-48-27		48445.00	526.06	447.0					FILLED IN
AB		-26792.00	6.0						
			3/80						GOLDER 21

Hanford Wells

PNL-8800 UC-903

M.A.Chamness & J.K. Merz

August 1993

Prepared for U.S. Dept of Energy under

Contract DE-AC06-76RLO 1830

Pacific NW Lab by Battelle Memorial Institute

SURVEY DATA REPORT

Request No. 063-0335		
Project No.	Title: Well Decomissioning / A8760 thru 8762	File No. 6AT13R28
.No. 65400801.1193120 CA10	Prepared By Tim Johnson	Date 9/25/06
Reviewer		Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
See attached	Survey File	OR		
	Bonnie Howard	1		
Coordinate System: US State Plane 1983	J. Davis	1		
Zone: Washington South 4602	D. Biggerstaff	1		
Project Datum NAD 1983 (Conus)	G. Kelty	1		
Vertical Datum NAVD 1988	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Elevation	Feature Code	Description
A8760	138255.991	587424.025	118.491	WELL	Observed

No well observed. Set hub and lath.

Name	Northing	Easting	Elevation	Feature Code	Description
A8761	138256.001	587829.024	117.657	WELL	Observed

No well observed. Set hub and lath.

Name	Northing	Easting	Elevation	Feature Code	Description
A8762	138256.000	587829.000	?	WELL	Published

Same coordinates as A8761.

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

E-NW-246 (09/04)

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

SCAN DATA REPORT

Request No.: 064-505			
Project No.: 'A	Title: WELL DECOMMISSIONING - WELL A8762 (Hanford Town Site))	File No. : HANF-001	
Job No.: 65400801.1193120 homex-CA10	Prepared by: Rand Taylor	Date: 9/27/06	Reviewer: Tim Johnson	Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8762.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1		
J. Davis	1		
D. Biggerstaff	1		
G. Kelty	1		
E. Rafuse	1		
			3#

DATE OF FIELD INVESTIGATION: 9/27/06

Weather: Temp 75°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

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

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

Documentation Provided: Sketch of well locations

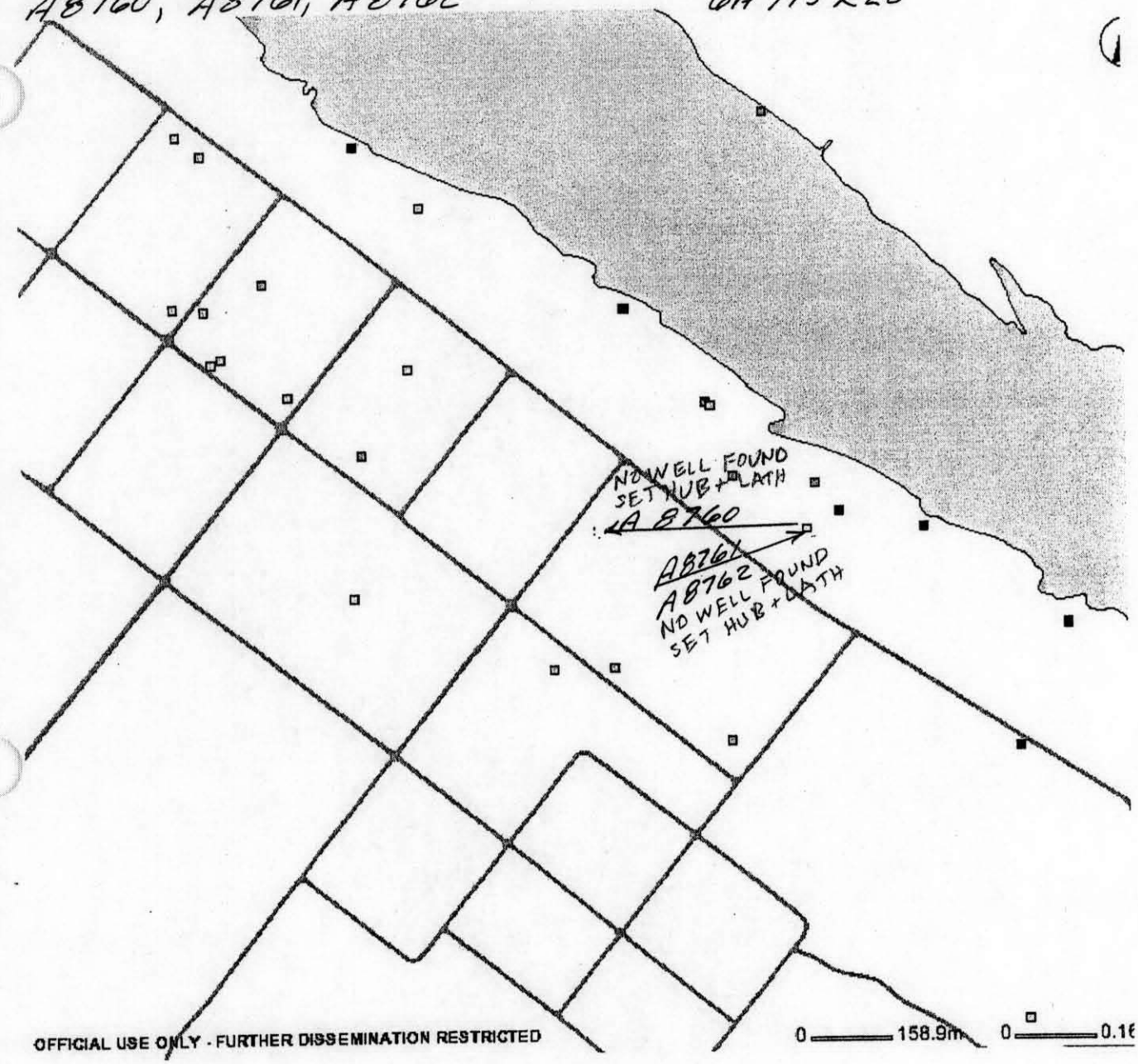
Limits of Investigation: Performed a 10' radius scan at staked well location A8762.

EQUIPMENT LIMITATIONS:

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

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

A8760, A8761, A8762 6A T13 R28



A8794 699-49-34

NEED SURVEY & SCAN REPORT
SEE PHOTOS - THIS WELL HAS BEEN DECOMMISSIONED
ECP 11/14/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8794			NORTHING	138286.302
WELL NAME	699-49-34	CONST DATE		EASTING	579653.74
HOST WELL ID		CONST DEPTH		ELEVATION	152.15

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

ND* - Not Documented

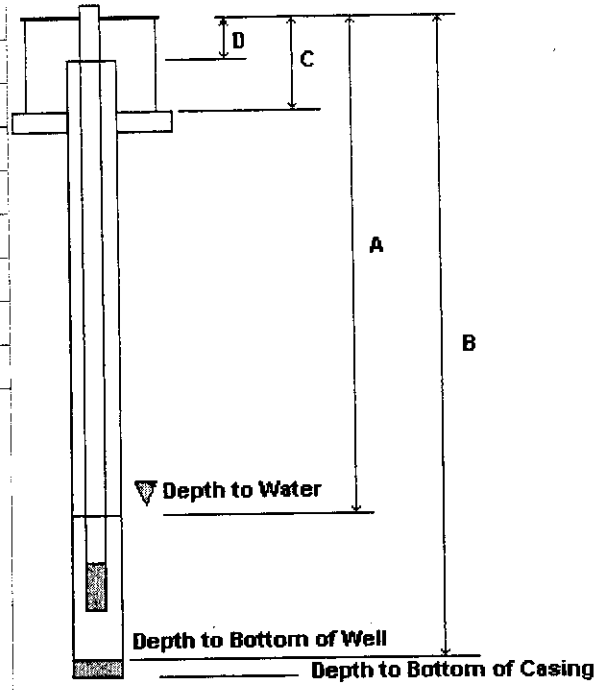
SEE PHOTOS - THIS WELL HAS BEEN DECOMMISSIONED
ELL 11/14/06

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8794			NORTHING	138286.302
WELL NAME	699-49-34	CONST DATE		EASTING	579653.74
HOST WELL ID		CONST DEPTH		ELEVATION	152.15

MEASUREMENT INFORMATION

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



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

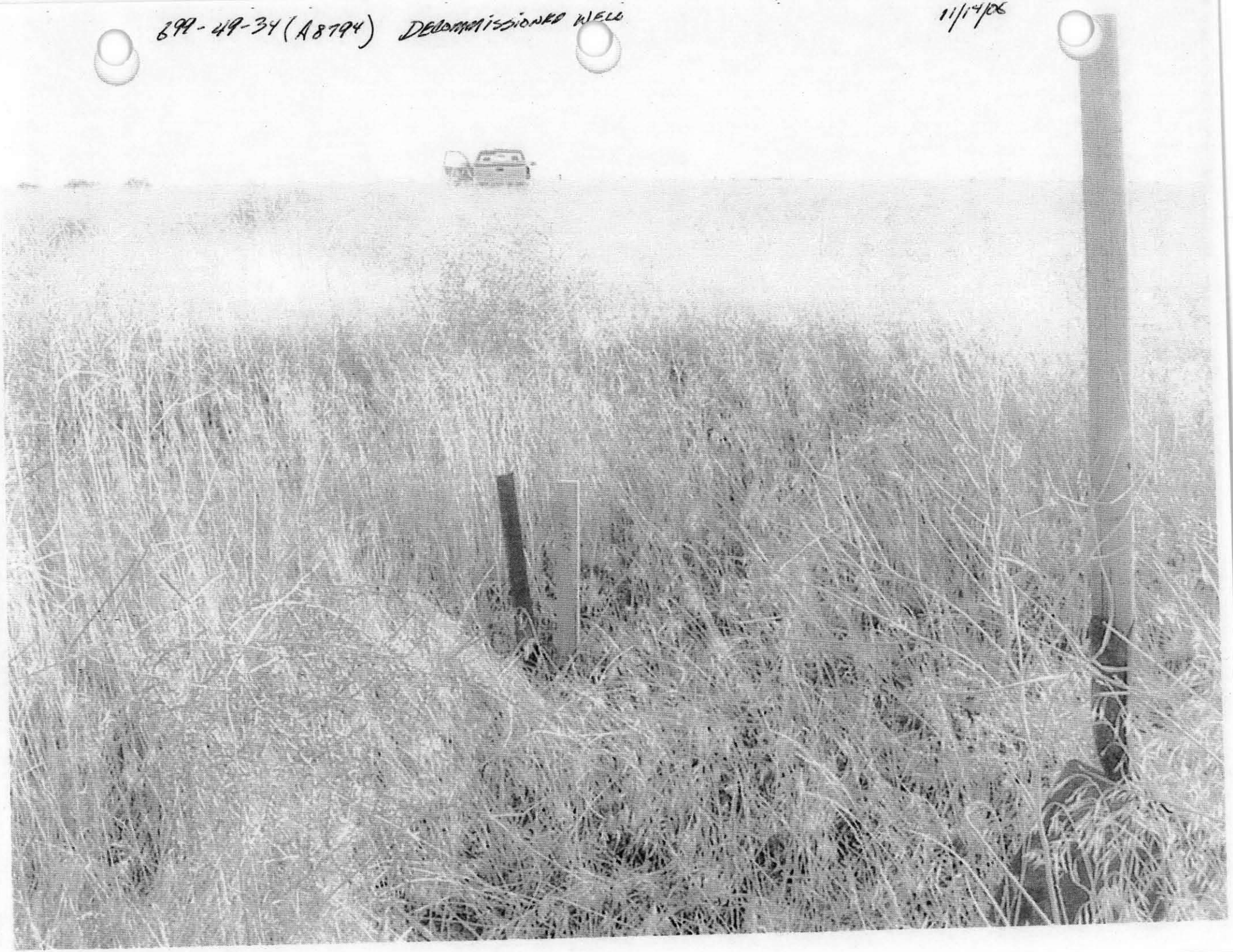
CHANGES

ND* - Not Documented

7/28/2006

699-49-34 (A8794) DECOMMISSIONED WELL

11/14/06



698-44-34 (A8794) DECOMMISSIONED WELL 11/14/06

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-49-13B		48791.00	412.21	86.0					FILLED IN
AB		-12611.00	6.0	86.0					
			2/44	49.0					699-HAN-20, HD-17TH
699-49-13C		48713.00	413.87	71.0	P	6.0	54.0	61.0	WELDED COVER
GW		-12673.00	6.0	71.0					
			2/44	51.0					699-HAN-21, HD-18TH
699-49-13D		48879.00	412.37	92.0	P	20.0	55.0	80.0	WELDED COVER
GW		-12540.00	20.0						
			3/44	48.0					699-HAN-17, HD-16W
699-49-13E		48805.00	412.72	84.0	P	20.0	55.0	75.0	HANFORD DURAND WELL #17
GW		-12614.00	20.0	80.0					
S			3/44	48.2					699-HAN-19, HD-17W
699-49-14			415.00	50.0					FILLED IN
UN			48.0						
									REF.2 NO.42, 699-HAN-40
699-49-21		49382.00	494.72	150.0					
GW		-20516.00	6.0	127.0					
			3/80	107.0					GOLDER 37
699-49-28		49288.00	535.40	177.0	P	6.0	140.0	165.0	SCREEN 167-177 FT; WELL FILLED
GW		-28100.00	6.0	177.0	S	5.0	167.0	177.0	IN TO 145'
B			6/71	142.0					GM-6
699-49-31		48624.00	525.12	675.0					6" PLASTIC LINER
GW		-30672.00	6.0						
			8/80	135.0					GOLDER 93
699-49-32A									
SW									
									GOLDER 91
699-49-32B									
GW							.0	334.0	SCREEN 297-334
									699-49-32, GOLDER
699-49-33									
GW									PLUG AT 206 FT.
									GOLDER 92
699-49-34		48525.00	495.70	85.0					DESTROYED
AB		-33571.00	6.0						
			12/80						GOLDER 89

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

699-49-34 (Golder Well #89)
Location: ~N48525, W33571 13/27-32G2
Surface Elevation: 495.70
Air rotary, drilled by Carman Water Wells & logged by Arnold of Golder Associates for NESCO, 1980, geologic investigation borehole

Material (11)	Thickness	Depth
Fine to coarse sands, some coarse gravel	5	5
Medium to coarse gravel, some medium to fine sand, trace silt	5	10
Coarse sand & fine to coarse gravel, trace silt	15	25
Medium gravelly medium to fine sand, trace silt	5	30
Fine to coarse gravel, trace medium to fine sand	10	40
Fine to coarse gravel, some medium to fine sand	5	45
Fine sand & silt, trace clay . . .	20	65
Fine sand & silt, trace clay & medium gravel	5	70
Medium to fine sand, some silt . .	5	75
Medium to fine sand, trace medium gravel	5	80
Basalt	5	85

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

A8801 699-49-95

SURVEY DATA REPORT

Project No. A	Title: Well Decommissioning A8801 699-49-95			Request No. 71-074 / File No. 6AT13R25
Job No. 65400801.1225400 CA10	Prepared By Tim Johnson	Date 12/06/2006	Reviewer SAW -	Page 1 of 1

DESCRIPTION OF WORK

Stake or locate well A8801 in support of well decommissioning per the attached.

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

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

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Elevation	Feature Code	Description
A8801	138503.022	560902.371	?	WELL	Published Coordinates
A8801	138503.022	560902.371		WELL	Set hub and lath

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

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

E-NW-246 (09/04)

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

SCAN DATA REPORT

Project No.: NA	Title: WELL DECOMMISSIONING - WELL A8801	Request No.: 072-117
		File No. : 600C-001
Job No.: 65400811.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 1/2/07
		Reviewer: Larry Hanke
		Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8801.

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

DATE OF FIELD INVESTIGATION: 1/2/07

Weather: Temp 45°F Wind 25 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

Equipment Used:

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

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

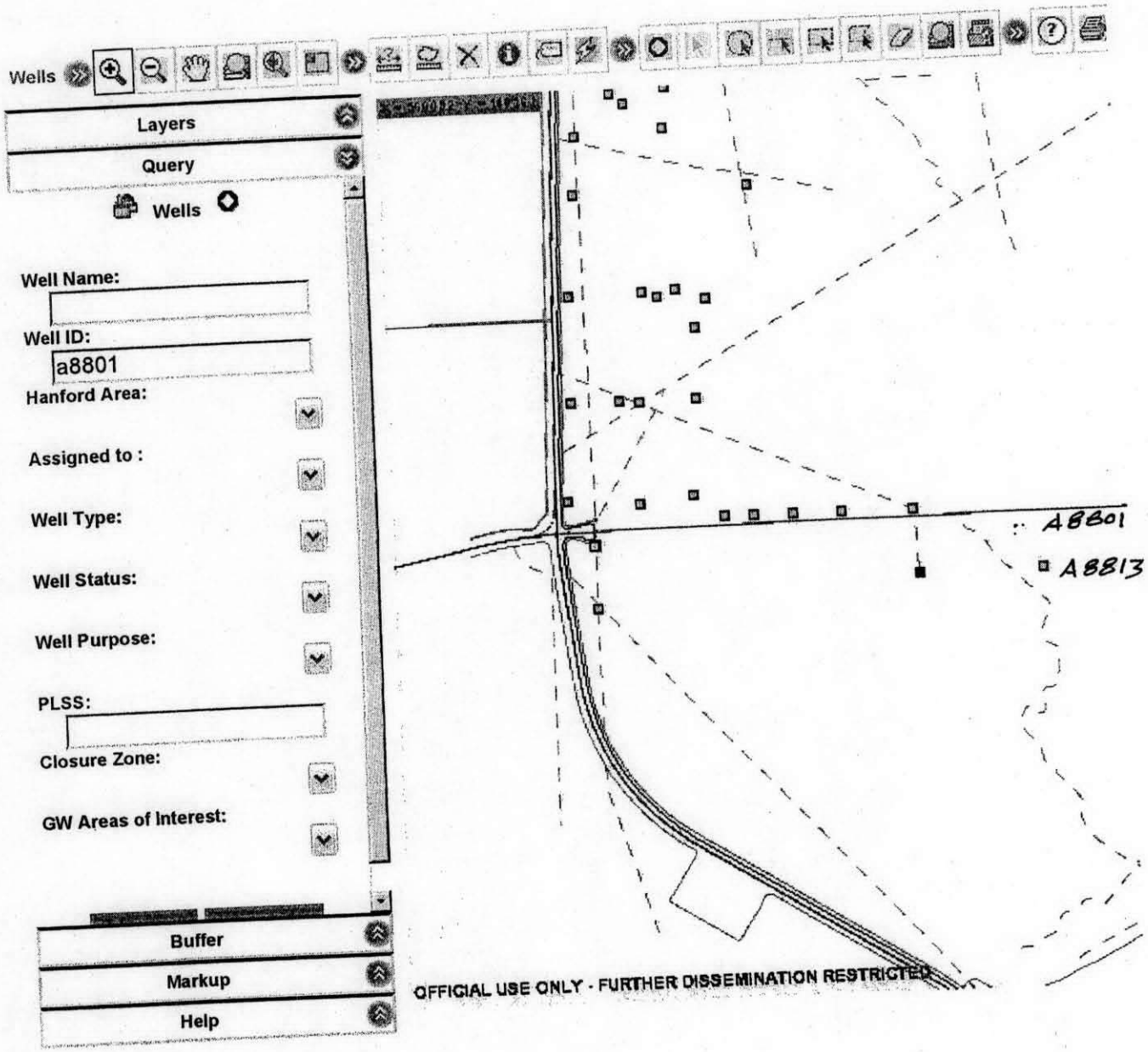
Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8801.

EQUIPMENT LIMITATIONS:

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

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


Wells
Layers
Query
Wells
Well Name:
Well ID:
a8801
Hanford Area:
Assigned to :
Well Type:
Well Status:
Well Purpose:
PLSS:
Closure Zone:
GW Areas of Interest:
Buffer
Markup
Help
A8801
A8813
OFFICIAL USE ONLY - FURTHER DISSEMINATION RESTRICTED

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-49-55A		48805.00	531.03	149.0	P	8.0	125.0	135.0	PLUG AT 145 FT; #30 SCREEN 124
GW		-54926.00	8.0	145.0	S	6.0	124.0	139.0	-139 FT; WELL FILLED 142-145'
H			7/61	127.0					699-49-55
699-49-55B		48803.00	531.12	227.0	S	6.0	175.0	226.0	10 OR 20 SLOT SCREEN
GW		-54951.00	8.0	226.0					
S			5/82	135.0					
699-49-57A		48960.00	553.52	168.0	P	8.0	144.0	161.0	CEMENT PLUG AT 163 FT.
GW		-56913.00	8.0	163.0					
S			7/56	149.0					699-49-57
699-49-57B	138381.34		555.99	229.7	S	5.5	219.3	229.7	
GW	572536.62		4.0	229.7					
H			11/90	149.0					
699-49-79		48600.00	689.20	290.0	P	8.0	225.0	265.0	CEMENT PLUG AT 279'
GW		-79122.00	8.0	279.0					
S			7/48	232.0					
699-49-85A		49453.00	745.15	3990.0					BWIP WELL DC-5; ABANDONED
AB		-85131.00	9.0						
			2/78						49-86, DC-5
699-49-85B		49386.00	745.37	3998.0					BWIP WELL DC-4; ABANDONED
AB		-85207.00	3.0						
			10/78						DC-4
699-49-86A			725.00						
UN									
									699-49-86
699-49-86B			725.00						
UN									
699-49-95		49400.00	810.00	540.0					CASING REMOVED, BACKFILLED
AB		-95100.00	6.0	540.0					
			3/43						U.S.E.D. L-6
699-49-100A									ARTESIAN FLOWING
BW									
									699-49100A, DB-11
699-49-100B									
BW									
									699-49100B, DH-9

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

699-49-95

Location: ∿N49400, W95100 13/25-33D1

Casing Elevation: ∿810

Cable tool, 1943

Material (1)	Thickness	Depth
Soil	5	5
Sand, some gravel	3	8
Sand & coarse gravel	4	12
Boulders w/sand & gravel	8	20
Gravel, cemented	50	70
Gravel, clay & sand	16	86
Sand, clay & sandstone	9	95
Sandstone	30	125
Sand, loose caving	20	145
Sandstone (caving 194-200)	105	250
Sand, gravel, some clay	38	288
Gravel, cemented	54	342
Gravel, pea-sized, carrying sand & a little clay	7	349
Sand & pea gravel, loose	16	365
Sandstone	26	391
Record unclear; "sand & pea gravel" or "sandstone"	12	403

HANFORD WELLS
PNL-8800 UC-903
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Table 2.--Logs of type wells on the Hanford Reservation

13/25-33D1. Driller's log (1943) with approximate stratigraphic designations by Geological Survey

Materials	Thickness (feet)	Depth (feet)
Soil	5	5
Glaciofluviatile and Fluviatile deposits:		
Sand, some gravel	3	8
Sand and coarse gravel	4	12
Boulders, with sand and gravel	8	20
Gravel, cemented	50	70
Gravel, clay and sand (dry)	16	86
Ringold Formation:		
Sand, clay and sandstone	9	95
Sandstone	30	125
Sand, loose, caving	20	145
Sandstone (caving 194-200)	105	250
Sand, gravel, some clay	38	288
Gravel, cemented (probably top of Ringold conglomerate zone)	54	342
Gravel, pea-sized, carrying sand and a little clay	7	349
Sand and pea gravel, loose (dry)	16	365
Sandstone	26	391
Sand and pea gravel, water-bearing; static water level 390 ft below land surface	12	403

699-49-95

Materials	Thickness (feet)	Depth (feet)
Ringolfd Formation: - Continued		
Sandstone.	12	403
Sand and gravel.	26	429
Sandstone and pea gravel	1	430
Sand and gravel.	23	453
Sandstone (washed cuttings are of quartz, fedspar, basalt and mica; drills into greenish-brown sludge)	8 10	461 471
Sandstone, hard.	9	480
Sandstone and pea gravel	12	492
Clay, sandy, brown	20	512
Sand and gravel.	5	517
Sand and pea gravel.	23	540

USAEC of Washington, GEOLOGY AND GROUND-WATER CHARACTERISTICS OF THE HANFORD RESERVATION OF THE US ATOMIC ENERGY COMMISSION, WASHINGTON, Open-File Report, Portland, Oregon (1970) p 225-226

A8810 699-50-28A

THIS WELL HAS BEEN DECOMMISSIONED
SEE PHOTO FOR APPROXIMATE WELL LOCATION
Ed. Rogers 11/08/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8810			NORTHING	138740.34
WELL NAME	699-50-28A	CONST DATE		EASTING	581243.663
HOST WELL ID		CONST DEPTH		ELEVATION	162.3

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

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

ND* - Not Documented

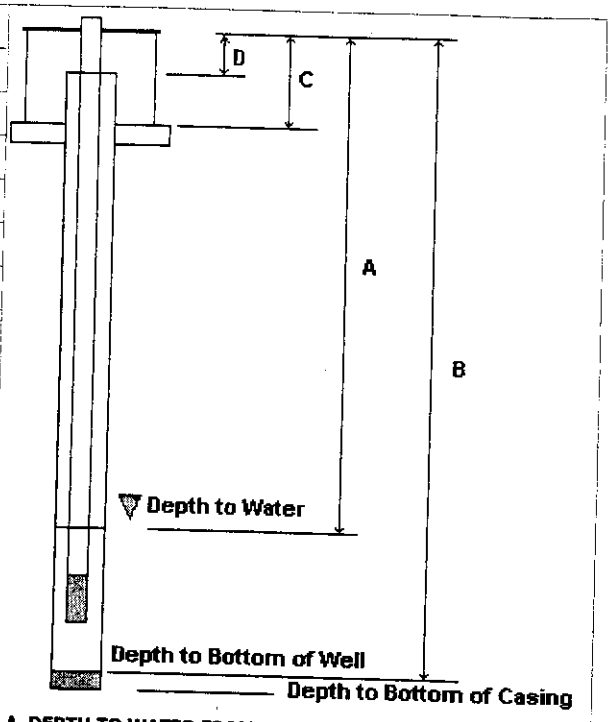
WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8810			NORTHING	138740.34
WELL NAME	699-50-28A	CONST DATE		EASTING	581243.663
HOST WELL ID		CONST DEPTH		ELEVATION	162.3

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	260	
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO

This well has been decommissioned 11/08/06 Ed Reyes NA



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

699-50-28A, Approx. Location of Decommissioned well

1/09/06

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-49-100C		49419.00	790.43	408.0					UNKNOWN DEPTHS FOR PERFORATIONS
BW		-100334.00	10.0	401.0					FOR 10" & 12"
B			8/76	310.0					699-49100C
699-49-111		49381.00	913.13	1092.0					ARTESIAN.
AB		-111355.00	5.0	1088.0					
			11/22						13/24-36D1, 699-50-111
									ENYEART
699-50-10		49944.00	389.78	46.0					FILLED IN
AB		-10178.00	48.0	46.0					
									699-HAN-5, HD-5W, REF
699-50-14		49880.00	392.43	33.0					FILLED IN
AB		-13917.00	12.0						
			6/43	31.0					699-HAN-28, HANFORD
699-50-18		47903.00	424.98						
UN		-17870.00							
699-50-27			537.31						
UN									
699-50-28A		50000.00	529.00	260.0					FILLED IN
AB		-28350.00	6.0	260.0					
			4/45						BY TELE. EX
699-50-28B							146.0	156.0	SCREEN 146-156 FT.
GW									
S									GM-5
699-50-28C									
SW									
									GOLDER 20
699-50-30									
GW							130.0	221.0	PLUG AT 170
B			7/40	138.0					
699-50-42		50206.00	466.84	125.0	P	8.0	53.0	64.0	PLUG AT 100 FT; PIEZOMETER SET
GW		-41909.00	8.0	100.0					10/74
S			5/55	59.0					
699-50-42P		50206.00	466.84	125.0	P	1.5	110.0	115.0	60 SLOT SCREEN
GW		-41909.00	1.5	115.0	P	8.0	53.0	64.0	
			5/55	59.0					

Hanford Wells

PNL-8800 UC-903

M.A.Chamness & J.K. Merz

August 1993

Prepared for U.S. Dept of Energy under

Contract DE-AC06-76RLO 1830

Pacific NW Lab by Battelle Memorial Institute

A8813 699-50-95

SEE ATTACHED SURVEY & SCAN DATA WELL HAS DATUM. 6W 12/29/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	AB813			NORTHING	138363
WELL NAME	699-50-95	CONST DATE		EASTING	560993
HOST WELL ID		CONST DEPTH		ELEVATION	

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

ND* - Not Documented

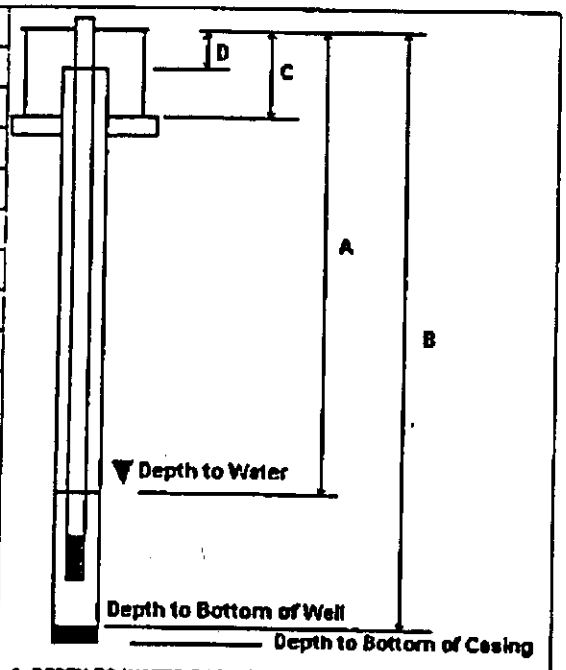
SEE ATTACHED SURVEY & SCAN DATA REPORT
WELL HAS BEEN DECOMM.
ECW 12/29/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8813			NORTHING	138363
WELL NAME	699-50-95	CONST DATE		EASTING	560993
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

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



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

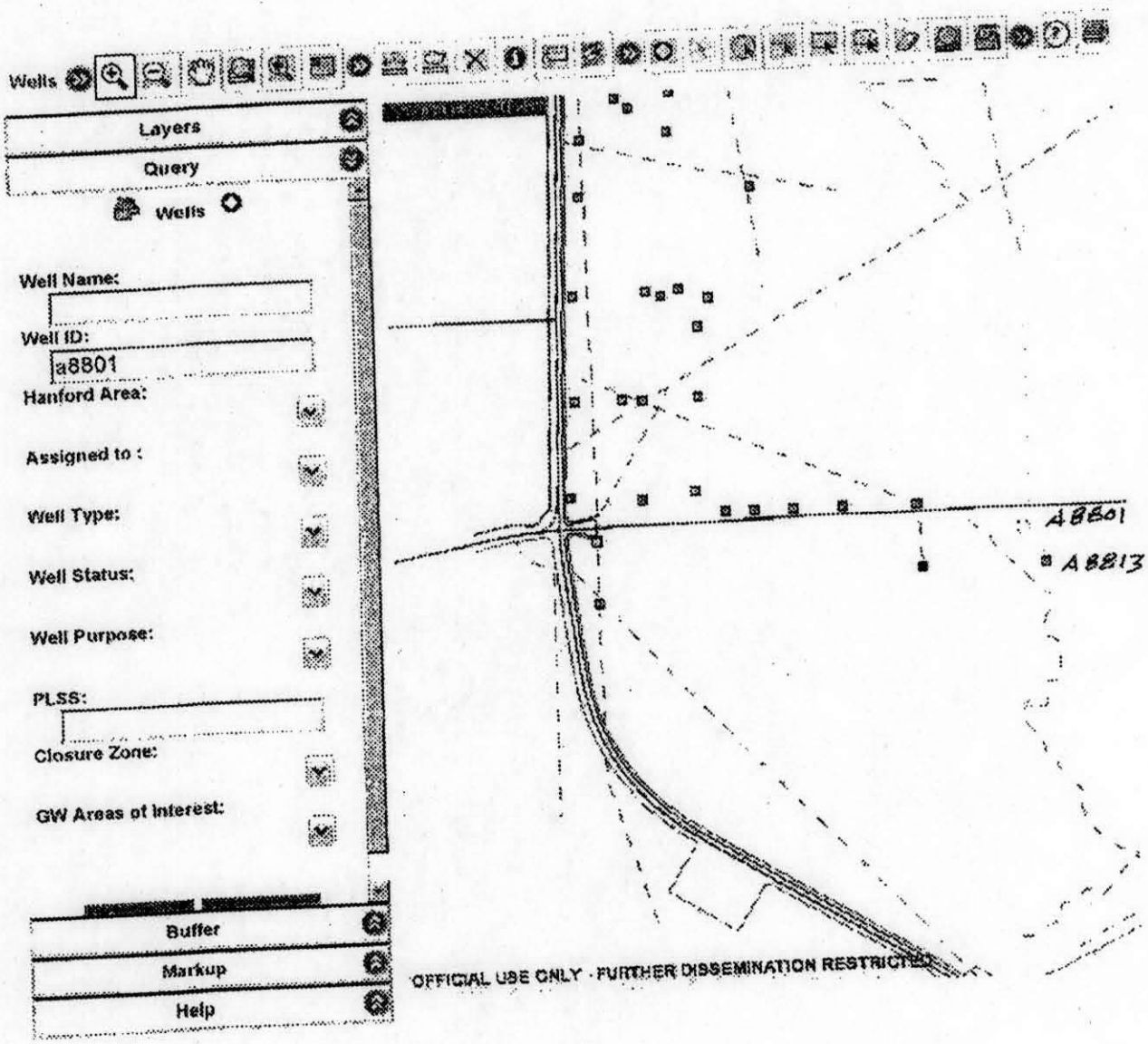
SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

MapOptix 4.2 Interface



SURVEY DATA REPORT

Request No.	File No.
71-074	6AT13R25

Project No.	Title:	File No.
N/A	Well Decommissioning A8813 699-50-95	6AT13R25

Job No.	Prepared By	Date	Reviewer	Page
65400801.1225400 CA10	Tim Johnson	12/06/2006	SAW-	1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake or locate well A8813 in support of well decommissioning per the attached.	Survey File	OR		
	Bonnie Howard	1		
Equipment Used: Trimble 5800 GPS Receiver	J. Davis	1		
Coordinate System: US State Plane 1983	George Kelty	1		
Zone: Washington South 4602	Ed Rafuse	1		
Project Datum: NAD 1983 (Conus)				
Coordinate Units: Meters				

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Elevation	Feature Code	Description
A8813	138363.000	560993.000	?	WELL	Published Coordinates
A8813	138363.012	560992.995		WELL	Set hub and lath

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

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

E-NW-246 (09/04)

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

SCAN DATA REPORT

Request No.: 072-117		
Project No.: NA	Title: WELL DECOMMISSIONING - WELL A8813	File No.: 600C-001
Job No.: 65400811.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 1/2/07
Reviewer: Larry Herb		Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8813.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1	1	
E.Rafuse	1	1	
S.Worley	1	1	
G. Kelty	1	1	
			2#

DATE OF FIELD INVESTIGATION: 1/2/07

Weather: Temp 45°F Wind 25 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

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

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

Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8813.

EQUIPMENT LIMITATIONS:

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

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

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-50-95									CASING REMOVED
AB			6.0						
			12/48						13/25-33D1R1
699-50-96									BWIP WELL DH-28; ABANDONED
AB									DH-28
699-50-98									BWIP WELL DH-29; ABANDONED
AB									DH-29
699-50-99									BWIP WELL DH-27; ABANDONED
AB									DH-27
699-51-7			400.00						
VW			24.0						
									13/28-30J1
699-51-13		50807.00	400.37	80.0					FILLED IN
AB		-12508.00	6.0	80.0					
			12/43	45.0					699-HAN-12, HD-12W
699-51-17			415.60	59.0					FILLED IN
			60.0	60.0					
									13/27-26Q1, WHITWAR, 699-HAN-34
699-51-19		50775.00	425.04	272.0					
GW		-18814.00	6.0	102.0					
B			3/80	70.0					GOLDER 38
699-51-36A		51239.00	519.49	893.0					DEEPENED 10/77, SCREEN 843-893'
GW		-35885.00	4.0	840.0					
			6/71						699-51-36, DB-10, GM-7
699-51-36B		51096.00	515.54	573.0	P	6.0	118.0	160.0	4" PLASTIC LINER.
GW		-35973.00	4.0						
			7/80						GOLDER 72
699-51-36C		51096.00	517.55	602.0	P	6.0	118.0	160.0	80 FT. DRILL ROD IN HOLE
GW		-35973.00	6.0						
			8/80	110.0					GOLDER 90
699-51-36D		50941.00	512.49	700.0					GOLDER WELL 95
GW		-35897.00	4.0						
			12/80	119.0					GOLDER 95

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

699-50-85 (Cont'd)

Material	Thickness	Depth
Heavy shale or clay	1	576
Gravel, sand, silt	1	580
40% gravel, 35% sand, 25% silt . .	5	585
Gravel, sand & black mud	1	586
Basalt	10	596
Hard basalt	2	598
Basalt; drilled about 1 ft. per hour	2	600

699-50-95

Location: 13/25-33D1

Casing Elevation:

Cable tool, drilled by Rodda of USGS for GE Company, 1948, groundwater monitoring borehole

Material	Thickness	Depth
No record	327	327
Sand, gravel & silt	12	339

Depth of hole unknown

699-50-111

Location: N50295, W111396

Casing Elevation: 910.86

Drilled by Jannsen Drilling Company for Enyeart, 1922, irrigation water supply borehole

Material	Thickness	Depth
Soil & hardpan	10	10
Gravel	50	60
Sand & clay	68	128
Gravel	23	151
Basalt, black	165	316
Yellow clay, sticky	59	375
Blue clay	10	385
Black basalt	14	399
Sand	3	402
Sand & gravel	15	417
Blue basalt	69	486
Soft material	7	493
Fine sand	5	498
White coarse sand	1	499
Sand	1	500
Fine sand	4	504
Gray basalt	19	523
Soft conglomerate	24	547

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

MW-6.

DRIL IG LOG

PROJECT NO. E-31165

Rig No. HC-22-3132
Well No. 1325-33-D1
Driller Rodda
Foreman Russell

50
699-~~49~~-95

Date 11-29-48
Shift # 2
Depth beginning of Shift 0'
Depth completion of Shift 0'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:30	Driving to well site.
					8:30-12:00	Tearing down to move.
					12:00-12:30	Lunch.
					12:30-3:30	Moving and setting up machine.
					3:30-4:05	Driving to yard.

REMARKS

DRILLING LOG

PROJECT NO. E-31165

699-50-95

Rig No. HO-22-3132

Well No. 1325-33-D1 50-95

Driller Rodda

Foreman

Date 11-30-48

Shift # 2

Depth beginning of Shift 351-?

Depth completion of Shift 339'-?

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:30	Driving to well site.
					8:30-12:00	Setting machine over hole.
					12:00-12:30	Lunch.
1:30-2:30	351'-349'	Sand, gravel and silt.			12:30-1:30	Putting on bit and measuring in.
3:00-3:30	351'-339'	"	" "	"	2:30-3:00	Fishing out bailer that came un-hooked from line.
					3:30-4:05	Driving to Office.

REMARKS

U.S.G.S. measurements were 334' of hole. My measurements were 351. Feet in the dust. Lost two feet when water was put in hole before drilling. Drilled and bailed. Lost 10' more. Samples show sand, gravel and silt or clay-like lumps. Bailings have a good deal of silt and are brown in color. Going to have to bail.

HW-6

DRILLI LOG

PROJECT NO. E-31165

Rig No. HO-22-3132
Well No. 1325-33-D-1
Driller Rodda
Foreman Russell

699-50-95

Date 12-1-48
Shift # 2
Depth beginning of Shift 331'
Depth completion of Shift 336'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:50	Safety Meeting.
					8:50-9:30	Getting material and driving to well site.
					9:30-10:45	Putting on drive head, measuring line in and driving casing.
					10:45-12:00	Leveling machine so tools hang over hole.
					12:00-12:30	Lunch.
					12:30-1:35	Waiting for welder and casing weld 7'2" 6" Casing 17" 4'2"
1:35-2:45	336'	Sand, gravel and silt.			1:	
					2:45-2:55	Bailing
					2:55-3:20	Driving - Casing weld 7'5" 14'7"
					3:20-3:30	Driving casing.
					3:30-4:05	Driving to yard.

REMARKS

Re-measured cable and found we went to 342' before adding water. Hole depth this AM was ~~XX~~ 331'. Added aquajel and could bail some. Rocks came in the bailer the largest which were nearly as large as base-balls. Driving casing 10'. The casing is expelling air strongly. Also very strong around the outside of casing. It acts like this is a reduced well with the top of outside casing removed.

HW-6.287

DRILLING LOG

PROJECT NO. E-31165

Rig No. HO-22-3132
Well No. 1325-33-D1
Driller Rodda
Foreman Russell

699-50-95

Date 12-2-48
Shift # 2
Depth beginning of Shift 336'
Depth completion of Shift 340'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:30	Driving to well site.
					8:30-8:50	Driving casing.
8:50-10:00	340'	Sand, gravel and silt.				
					10:00-10:15	Taking sample and bailing.
					10:15-10:25	Driving casing.
					10:25-11:30	Waiting for welder.
					11:30-12:00	Casing weld 7'4" 21' 11"
					12:00-12:30	Lunch.
					12:30-1:30	Casing weld 7'5" to 7'3"
					1:30-2:00	Mechanic and welder putting on guards.
2:00-2:30	340'	"	"	" "	2:30-3:30	Bailing
					3:30-4:05	Driving to yard.

REMARKS

Drove casing for 15 minutes and drove it 16". Drilled 4' and drove again. Drove some easier for 18", then came completely free for the 3½'. Cannot drill any further because it muds up too heavy. Cannot bail to do any good because gravel up to ⅜" size falls in the top of the bailer and stuck the dart so bailer will not fill. Casing would drive hard for a few feet then go easy again. Only gained 2' back to where the bailer went yesterday. Well expelling air strongly both from outside and inside the 6" casing. No large rocks in bailer after driving casing for 22'.

HP-6..

DRILL G LOG

PROJECT NO. E-31165

Rig No. HC-22-3132
Well No. 1325-33-D-1
Driller Rodda
Foreman Russell

50
699-~~49~~-95

Date 12-3-48
Shift # 2
Depth beginning of Shift 340'
Depth completion of Shift 340'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:30	Driving to well site.
					8:30-12:00	Casing welds 7'6", 8'1", 8'2", 6'11", 7' and 8'
					12:00-12:30	Lunch.
					12:30-1:30	Mixing and bailing.
					1:30-2:35	Waiting for welder.
					2:35-3:30	Casing weld 7'6" and 7'8"
					3:30-4:05	Going to yard.

REMARKS

Mixed and bailed hole. Gained no depth on previous bailings.

NW-5.267

DRILLING LOG

699-50-95

PROJECT NO. E-31165

Rig No. HO-22-3132
Well No. 1325-33-D-1
Driller Rodda
Foreman Russell

Date 12-6-48
Shift # 2
Depth beginning of Shift (340) 327'
Depth completion of Shift 340'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:45	Driving to well site.
					8:45-9:45	Casing weld 6'8" Total 333'8"
9:45-10:15	330'	Sand, gravel and silt.				
					10:15-10:40	Bailing and measuring line.
10:40-11:50	332'	"	" "	"		
					11:50-12:00	Bailing.
					12:00-12:30	Lunhh.
12:30-1:35	338'	"	" "	"	1:35-1:45	Bailing.
					1:45-2:40	Casing weld 7' Total 347'8"
					2:40-3:20	Measuring broken casing.
					3:20-4:05	Driving to yard.

REMARKS

Estimated casing at beginning of shift was 327'. Well caved in while driving casing to 328' to 332'. Drilled slow. Lots of mud in pipe and also coarse gravel from above. 332' to 338' mostly silt and fine broken gravel. Drilled easy. Bailing are brown. Mostly silt. Tools hit on a joint in casing on the way down and drove casing to 2" below ground level. Welded on 7' of pipe before I lost the casing. Drove 2' and what seemed to be a rough joint appears to be a broken pipe. Casing drove very easy for the last 50' or so. Drove easy when casing broke to keep from losing it. The casing leigth is 221' total with 5' above ground. The tools will not go through far enough to hang. The top casing seems very free and out of line like it is broken in outside casing.

RW-6.

DRILLING LOG

PROJECT NO. E-31165

Rig No. EO-22-3132
Well No. 1325-33-D-1
Driller Rodda
Foreman Russell

50
699-~~49~~-95.

Date 12-7-48
Shift # 2
Depth beginning of Shift -
Depth completion of Shift -

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-9:00	Getting tools and driving to well site.
					9:00-12:00	Breaking down tools and trying to pull casing.
					12:00-12:30	Lunch.
					12:30-3:30	Trying to pull casing.
					3:30-4:05	Driving to yard.

REMARKS

Could pull only 4' of casing. Casing will drop back six to eight inches and turn freely but will not lift out.

HW-5...

DRILLING LOG

PROJECT NO. E-31165

Rig No. HO-22-3132
Well No. 1325-33-D-1
Driller Redda
Foreman Russell

50
699-~~49~~-95

Date 12-8-48
Shift # 2
Depth beginning of Shift Pulling Pipe
Depth completion of Shift Pulling Pipe

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:45	Safety meeting.
					8:45-9:15	Driving to well site.
					9:15-12:00	Pulling Casing.
					12:00-12:30	Lunch.
					12:30-3:30	Pulling casing.
					3:30-4:00	Driving to yard.

REMARKS

Pulled all of the new welded pipe,-two joints of the screw pipe shows.

KW-6.2

DRILL G LOG

PROJECT NO. E-31165

Rig No. H^{0}-22-3132
Well No. 1325-33-D-1
Driller Rodda
Foreman Russell

50
699-~~49~~-95

Date 12-9-48
Shift # 2
Depth beginning of Shift Pulling Casing
Depth completion of Shift Pulling Casing and tearing down.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:45	Driving to well site.
					8:45-12:00	Pulling casing, tearing down.
					12:00-12:30	Lunch.
					12:30-3:20	Making babbit socket, picking up and breaking down tools, loading tools.
					3:20-4:05	Driving to yard.

REMARKS

Pulled two joints of screw type casing.

NW-C

DRILLING LOG

PROJECT NO. E-31165

Rig No. HO-22-3132
Well No. 1325-33-D-1
Driller Redda
Foreman Dunell

699-~~49~~-95 50

Date 12-10-48
Shift # 2
Depth beginning of Shift Tearing down.
Depth completion of Shift Tearing down.

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48-8:45	Driving to rig.
					8:45-9:45	Lowering mast.
					9:45-10:15	Getting blocking out from under rig.
					10:15-12:00	Getting everything loaded on rig.
					12:00-12:30	Lunch.
					12:30-1:30	Tearing down shack.
					1:30-1:45	Going to 2608.
					1:45 to 4:00	Working at 2608.

REMARKS

Machine is ready to move.

A9733 699-53-55AP

SEE COMMENTS AND PHOTO OF REMOVED 699-53-55AP PIEZO. Ed. Rogers 11/09/06

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	8/11/2003
WELL ID	A9733			NORTHING	139631.884
WELL NAME	699-53-55AP	CONST DATE		EASTING	573115.859
HOST WELL ID	A5244	CONST DEPTH		ELEVATION	176.504

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

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	ECW ~~PUMP~~ ACTIVITY PERFORMED PIEZO 699-53-55AP REMOVED	☐ INSTALLED ☐ REPLACED ☑ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	DE Gostovich	ACTIVITY PEFORMED BY	Ed. Rogers
DATE ACTIVITY PERFORMED	8/11/2003	DATE ACTIVITY PERFORMED	11/08/06
PUMP TYPE	NO_PUMP	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

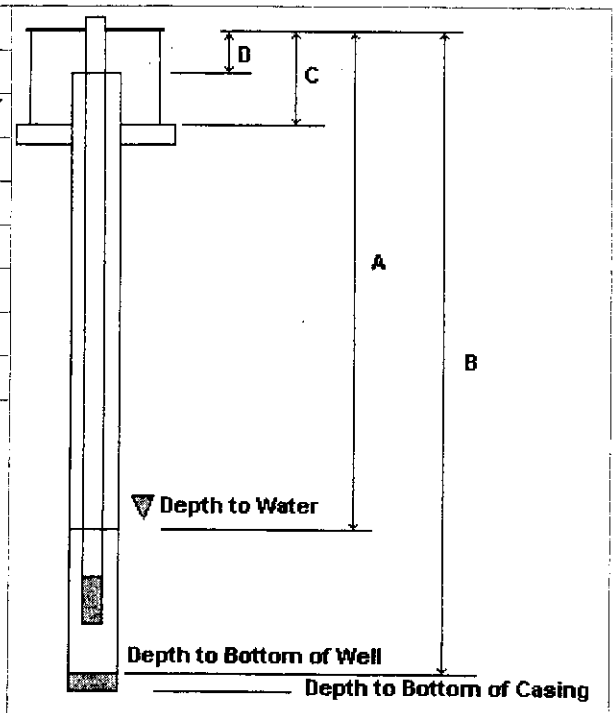
ND* - Not Documented

WELL ATTRIBUTES REPORT

ELD ORDER NO				LAST INSPECTION	8/11/2003
ELL ID	A9733			NORTHING	139631.884
WELL NAME	699-53-55AP	CONST DATE		EASTING	573115.859
HOST WELL ID	A5244	CONST DEPTH		ELEVATION	176.504

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)	179.18	
	DEPTH TO WATER DATE	8/11/2003	PIEZO REMOVED
*B	DEPTH TO BOTTOM(ft)	303.9	
	DEPTH TO BOTTOM DATE	8/11/2003	NA
C	STICK UP(ft)	0	
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES The "AP" piezo was removed (2½" CS) and a hydrostat pump installed 8/11/2003

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

NON-ROUTINE
WELL MAINTENANCE ORDER

FIELD ORDER NO	WMO-NR-2003-4-108	**SCHEDULED BEGIN/END DATE**	7/30/200 - 8/20/2003
WELL ID	A9733	**PURGE WATER CONTAINMENT**	CONTAIN
WELL NAME	699-53-55AP	**REGULATED TRUCK REQUIRED**	
CONTRACT NO	0000X-SC-G0096-FH	**HPT/RPT COVERAGE**	

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

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

SPECIAL INSTRUCTIONS
Cancel any unused items. Provide as much detail as possible for each piezo (material, size, etc.).

Chg maintenance to :
CACN 118358 COA FA20
CERCLA Waste: CACN 117534 COA FA20
CW 2/28/03

200.8	Replace well lock.
TASK WAS ☐ COMPLETED ☑ CANCELED	**Comment**
DATE WORK COMPLETED/CANCELED 8/11/03	
INITIALS LJ	
400.1	Remove pump and tubing, test pump for function before removing.
TASK WAS ☐ COMPLETED ☑ CANCELED	**Comment**
DATE WORK COMPLETED/CANCELED 8/11/03	
INITIALS LJ	

NON-ROUTINE
WELL MAINTENANCE ORDER

FIELD ORDER NO	WMO-NR-2003-4-108	SCHEDULED BEGIN/END DATE	7/30/200 - 8/20/2003
WELL ID	A9733	PURGE WATER CONTAINMENT	CONTAIN
WELL NAME	699-53-55AP	REGULATED TRUCK REQUIRED	
CONTRACT NO	D000X-SC-G0096-FH	HPT/RPT COVERAGE	

500.2	Remove pump and tubing from well, test pump for function before removing.
TASK WAS ☐ COMPLETED ☑ CANCELED	**Comment**
DATE WORK COMPLETED/CANCELED 8/12/03	
INITIALS WJP	
900.1	Tag depth to bottom of well and depth to water.
TASK WAS ☑ COMPLETED ☐ CANCELED	**Comment**
DATE WORK COMPLETED/CANCELED 8/11/03	
INITIALS WJP	

Subcontractor Authorized Signature	S.H. WORLEY Print Name	8-13-03 Date
E. C. Rafuse BHI Field Services Authorized Signature	E.C. Rafuse Print Name	8-14-03 Date

7/08/2003

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2003-4-108			LAST INSPECTION	1/1/1925
WELL ID	A9733	DRILL DATE	8/24/1961	NORTHING	
WELL NAME	699-53-55AP	CONST DATE		EASTING	
HOST WELL ID	A5244	CONST DEPTH		ELEVATION	

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☑ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☑ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☑ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☑ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☑ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☑ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☑ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☑ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☑ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☑ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☑ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☑ NONE ☐ MINOR
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	DE Crosthwait
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	8/11/03
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

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

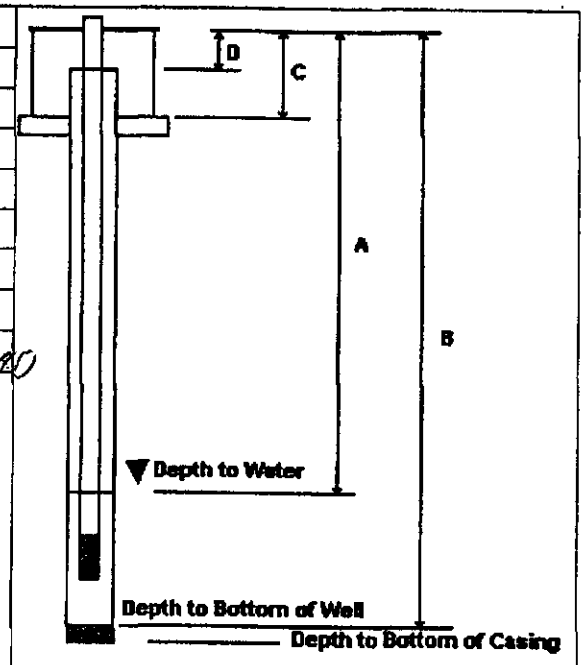
7/29/2003

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2003-4-108			LAST INSPECTION	1/1/1925
WELL ID	A9733	DRILL DATE	8/24/1961	NORTHING	
WELL NAME	699-53-55AP	CONST DATE		EASTING	
HOST WELL ID	A5244	CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		179.18
	DEPTH TO WATER DATE		8/11/03
B	DEPTH TO BOTTOM(ft)	335	303.90
	DEPTH TO BOTTOM DATE		8/11/03
C	STICK UP(ft)		± 1.50
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO ND



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS
2 1/16			C/S		Threaded	

CHANGES The piezo in this well is the oil field 2 1/16" Tubing

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

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

7/29/2003

Query HWIS again

HWIS Interface - Maintenance Information - Latest Maintenance Work

WELL_ID	WELL_NAME	FIELD_ORDER_NO	WORK_NO	WORK_DESCRIPTION	WORK_COMP_DATE	COMMENTS
A9733	699-53-55AP	WMO-NR-2003-4-108	900.1	Tag depth to bottom of well and depth to water.	08/11/2003	Piezo is 2-1/16" CS

Query HWIS again

HWIS Interface - Maintenance Information - Latest Attributes

WELL_ID	WELL_NAME	DATE_INSPECTED	DEPTH_TO_BOTTOM	DEPTH_TO_BOTTOM_UNITS	DEPTH_TO_BOTT
A9733	699-53-55AP	08/11/2003	303.9	ft	08/11/2003

699-53-55 AP 149735

11/19/06

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-53-55AO		53006.00	575.90	200.0	P	1.5	160.0	180.0	REMOVED
AB		-55014.00	1.5	200.0					
			4/65	173.0					
699-53-55AP		53006.00	575.60	455.0	P	1.5	330.0	335.0	60 SLOT SCREEN
GW		-55014.00	1.5	335.0	P	8.0	165.0	280.0	
			8/61	173.0					
699-53-55AQ						1.5	375.0	395.0	REMOVED
AB									
699-53-55AR						1.5	315.0	335.0	REMOVED
AB									
699-53-55AS						1.5	255.0	275.0	REMOVED
AB									
699-53-55B		52979.00	576.84	252.0	P	8.0	232.0	252.0	
GW		-55030.00	8.0	252.7					
H			5/75	171.3					
699-53-55C		52976.00	576.13	220.0	S	10.0	187.3	220.5	SCREEN
GW		-55015.00	12.0	220.0					
H			5/75	175.0					
699-53-103		52737.00	838.92	1110.0	P	8.0	165.0	280.0	ARTESIAN, BWIP CORED TO 3123'
GW		-103415.00	8.0	969.0					
B			4/27						MCGEE
699-53-111		52993.00	927.41	777.0					ARTESIAN
GW		-111403.00	10.0	777.0					
			8/25						13/24-25E1, FORD
699-53-114		52647.00	975.09	900.0					ARTESIAN
GW		-114053.00	11.0	696.0					
			12/22						13/24-26G1, OBRIAN
699-54-15A		53561.00	405.24	372.0					4" PVC LINER
GW		-15409.00	4.0	68.0					
			4/80	43.0					GOLDER 40
699-54-15B			410.00	45.0					FILLED IN
				45.0					
			9/44						HANFORD H.S., 699-HAN-29

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

A9746 699-57-83AO

WELL ATTRIBUTES REPORT

ELD ORDER NO				LAST INSPECTION	1/1/1801
ELL ID	A9746			NORTHING	140825.13
WELL NAME	699-57-83AO	CONST DATE	4/30/1965	EASTING	564582.814
HOST WELL ID	A5270	CONST DEPTH	170	ELEVATION	177.3

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

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

ND* - Not Documented

6/15/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	
WELL ID	A 5270	DRILL DATE		NORTHING	
WELL NAME	699-57-83A	CONST DATE		EASTING	
HOST WELL ID		CONST DEPTH		ELEVATION	

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☒ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☒ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☒ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☒ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	■ YES ☒ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	■ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ■ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ■ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	■ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ■ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☐ YES ■ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ■ NO
NTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ■ NO
LL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ■ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ■ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ■ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ■ NO

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☒ INSTALLED ☐ REPLACED ☐ REMOVED Pump In Well
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☒ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☒ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	TL Hotte-4
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	05/31/06
PUMP TYPE		PUMP TYPE	Elect Subm
PUMP MAKE		PUMP MAKE	N/A
PUMP MODEL		PUMP MODEL	N/A
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	N/A
TUBING SIZE (in)		TUBING SIZE (in)	1 1/2 ABS
TUBING MATERIAL		TUBING MATERIAL	N/A
NG LENGTH (ft)		TUBING LENGTH (ft)	N/A
NG CONNECTION		TUBING CONNECTION	N/A

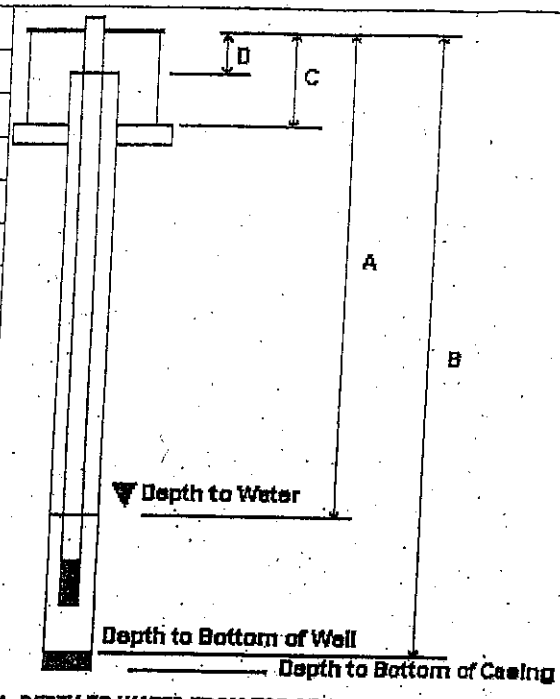
ND* - Not Documented
BHI-EE-231 (02/20/02)

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	
WELL ID	A5270	DRILL DATE		NORTHING	
WELL NAME	699-57-83A	CONST DATE		EASTING	
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		150.25
	DEPTH TO WATER DATE		05/31/06
B	DEPTH TO BOTTOM(ft)		195.90
	DEPTH TO BOTTOM DATE		05/31/06
C	STICK UP(ft)		1.30
D	REFERENCE MARK(ft)		T.O.C.
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☒ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS
8 5/8						

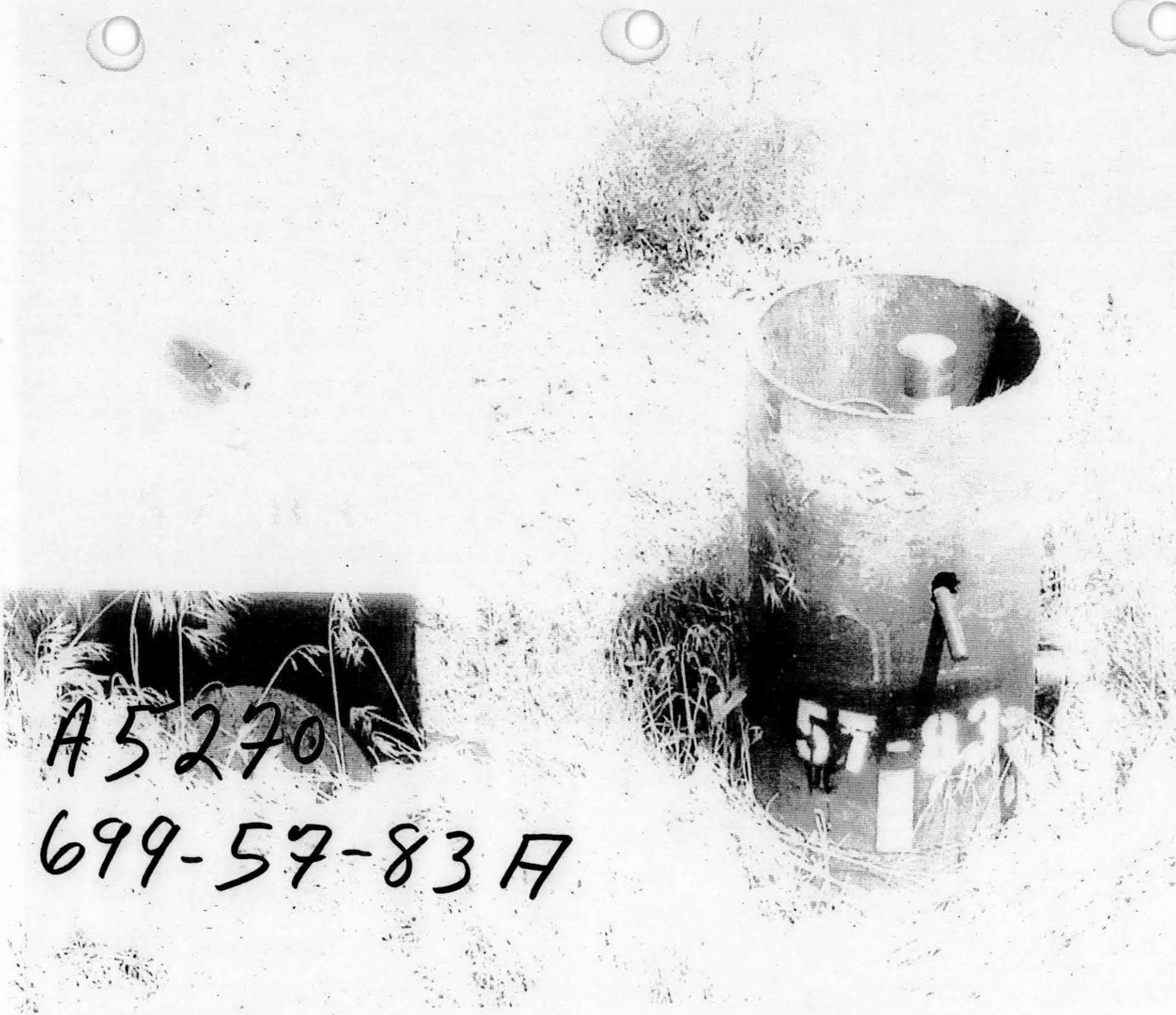
CHANGES No piezometer in well

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented
BHI-EE-231 (02/20/02)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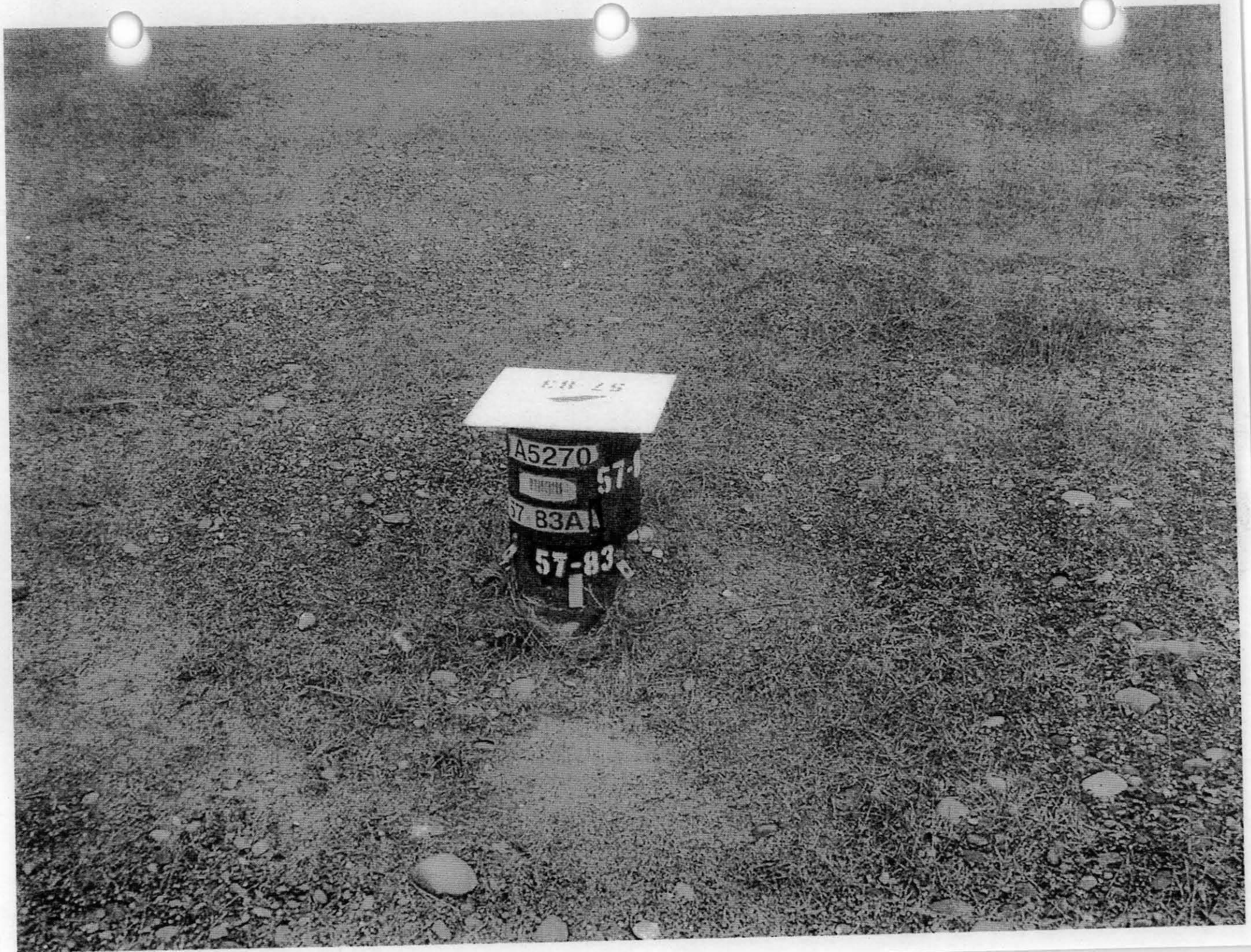
699-57-83A


A5270
57-
57 83A
57-83

A5270

WELL CONSTRUCTION AND COMPLETION SUMMARY AS-BUILT

Drilling Method: Cable Tool	Sample Method: INF	WELL NUMBER: 699-57-83 A	TEMPORARY WELL NO.: N/A
Drilling Fluid Used: Water	Additives Used: INF	Hanford Coordinates: N/S N 57020	E/W W 82993
Driller's Name: J.D. St. George	WA State Lic. No.: INF	State Coordinates: N INF	E INF
Drilling Company: INF	Company Location: INF	Start Card #: INF	T – R – S INF
Date Started: 10/10/60	Date Complete: 12/06/60	Elevation Ground Surface (ft): INF	

Depth to water: –

GENERALIZED STRATIGRAPHY

Data source: Driller's Log

0 – 10:	14" minus COBBLES and silty SAND
10 – 20:	12" minus COBBLES and silty SAND
20 – 40:	COBBLE and silty SAND
40 – 45:	cemented GRAVEL, SAND
45 – 210:	silty GRAVEL and SAND
210 – 215:	Ringold CONGLOMERATE
215 – 230:	SAND and SILT
230 – 240:	silty SAND
240 – 270:	SAND and SILT
270 – 320:	SAND and GRAVEL
320 – 330:	SAND
330 – 343:	SAND and GRAVEL
343 – 353:	BASALT
353 – 355:	Not documented

Elevation of casing:	577.96
Elevation of reference point:	INF
Concrete pad dimensions:	INF
Depth of surface seal:	INF
Type of surface seal: None documented	
I.D. of surface casing (if present):	INF
Type of surface casing: None documented	
Depth of surface casing:	INF
I.D. of riser pipe:	8-in.
Type of riser pipe: INF	
Diameter of borehole:	8-in.
Elevation/depth of top of screen/perforated interval:	145.0
Description of screen/perforation: Perforated: 160'-213', 214'-230', 231'-270', 271'-320', 320'-330', 145'-150'	
I.D. of screen section:	N/A
Elevation/depth of bottom of screen/perforated interval:	330.0
Elevation/depth of top of plugged section:	INF
Type of filler used in plugged section: Cement plug set 195', Sand slough	
Elevation/depth of bottom of borehole:	355.0
Elevation/depth of remediated borehole:	195.0

NOTES: N/A: Not Applicable
INF: Insufficient Data

8831752\15783

699-57-83

A5270

MONITORING NETWORK

☐ WELL ☑ PIEZOMETER ☐ CLUSTER

WELL NUMBER 699-57-83A

OPEN INTERVAL (FT - FT) 150 - 340

COORDINATES: N 057020 PW 082993

☑ PERFORATED ☐ SCREENED

WELL DIAMETER: (INCHES) 8

DATE DRILLED: 12/60 ; tubes 1964 & 1965

COMMENTS: 1.5" tubes open

O 140-170
P 335-355
Q 270-290
R 210-230

Perf 160-213 6 ubl 1st
214-230 2 ubl 2nd
231-270 3" "
271-320 6 ubl 4th
321-340 6" "

ELEVATION (FEET)			DEPTH TO WATER (FEET)
CASING	BOTTOM	DRILLED	
577.96	170	355	147

WELL DATA AVAILABLE

DRILLER'S LOG: ✓

CORE:

WATER TABLE: ✓

RADIONUCLIDE:

CHEMISTRY:

WELL CONDITION

FIELD LOCATED:

MARKED:

CAPPED:

CLEANED:

SCREEN OR PERFORATION CONDITION:

WELL RECOMMENDED FOR:

☐ HEAD MONITORING ☐ WATER CHEMISTRY

☐ RADIONUCLIDE ☐ PUMP TESTING

WATER SAMPLE REPRESENTS:

RECOMMENDED REPAIRS:

both

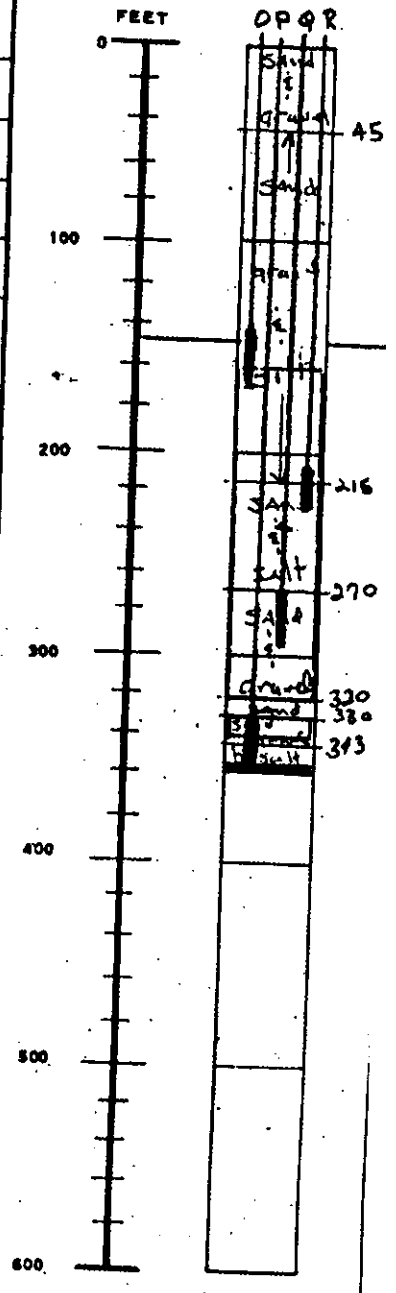
[illegible] bentonite to [illegible] tubes [illegible] probably [illegible] good.

RECOMMENDED MAINTENANCE:

INSPECTED BY:

DATE

WELL LOG INFORMATION



A-6000 [illegible] (9-74)