AR TARGET SHEET

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

EDMC#: 0076095
SECTION: 2 of 2

DOCUMENT #: 08-AMCP-0087

TITLE: ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

A8303 699-14-E2A

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8303			NORTHING	127644.357
WELL NAME	699-14-E2A	CONST DATE		EASTING	590669.241
HOST WELL ID		CONST DEPTH		ELEVATION	138.605

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

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

ND* - Not Documented

7/18/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8303			NORTHING	127644.357
WELL NAME	699-14-E2A	CONST DATE		EASTING	590669.241
HOST WELL ID		CONST DEPTH		ELEVATION	138.605

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

2/28/2005

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-14-E3B		13631.00	449.50	303.0					DESTROYED
AB		2612.00							
			12/74	78.0					CB-9
699-14-E3C		13643.00	451.40	76.0					DESTROYED
AB		2790.00							
			12/74						CB-10
699-14-E3D		13571.00	456.00	84.0					
VW		3389.00							
			12/74						CB-19
699-14-E3E		13504.00	450.10	629.0					
GW		2502.00							
			12/74						BH-142, CB-1
699-14-E2A		13527.00	451.30	301.0					
GW		2473.00							
			12/74	81.0					CB-7
699-14-E2B									
VW									
									CB-6
699-14-E1A									
SW									
									1D-SP-7
699-14-E1B									
SW									
									1D-SP-8
699-14-E1C		14350.00	421.00	96.0					
SW		900.00							
			12/74						1D-SP-8A
699-14-1A		14000.00							
VW		-900.00							
699-14-1B		14100.00							
SW		-900.00							
									B-SP-8
699-14-3		13600.00		63.0					
GW		-2700.00	6.0						
				61.0					R2-SP-5

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

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING
A8303	699-14-E2A	UNKNOWN	NAD83	01/01/1801	CONVERTED	127644.357	590669.241

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A8303, Well Name: 699-14-E2A					
A8303	-- No information available --				

Message

Kelty, George

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

Please change the well owner from WPPSS to ENW

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

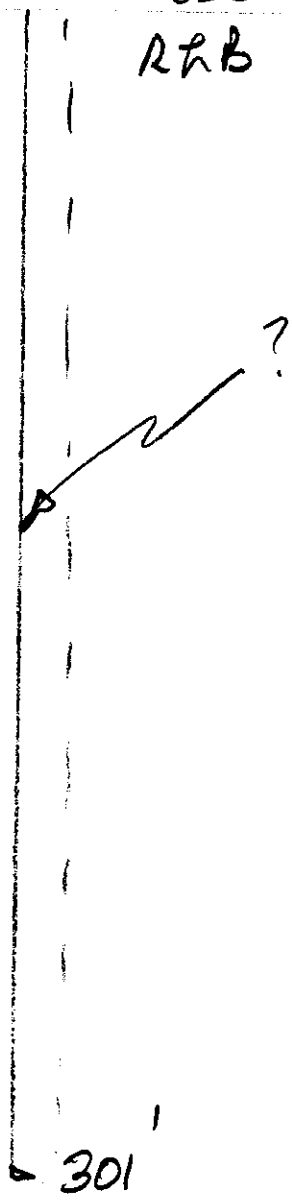
Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A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

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A8303, Well Name: 699-14-E2A					
A8303	– No information available –				

A 8303
RLB 3/2/05



699-14-E2A
CT ? 12/1974

Ground water monitoring

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8303	699-14-E2A	12/31/1974		301	ft		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8303	699-14-E2A	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

HWIS Interface - Well Construction Information - Construction Dates

WELL_ID	WELL_NAME	CONST_DATE	CONST_DEPTH	CONST_DEPTH_UNITS
A8303	699-14-E2A	-- No information available --		

A8303 699-14-E2A

699-14-E2A (CB-7)
Location: N13527, E2473 12/28-33N10
Surface Elevation: 451.3
Hollow stem auger (to 74 ft.) & air rotary, logged by Shannon & Wilson for WPPSS, 1974, WNP-4 foundation test boring

Material (8)	Thickness	Depth
Silty sand, loose, light brown, fine to coarse	5	5
Sand, loose, gray fine to coarse, clean	11	16
Sand, dense to very dense, gray fine to coarse, clean	38	54
Sandy gravel, dense, gray, fine to coarse, clean	6	60
Sandy gravel, very dense, light gray-brown, fine to coarse, clean to slightly silty, scattered to numerous cobbles .	174	246
Clayey silt, hard, light, brown, trace fine sand, trace fine gravel	29	275
Sand silt, very dense, light-brown, fine sand	10	285
Sandy gravel, very dense, light gray, silty fine to medium sand, fine to coarse	10	295
Sand, very dense, light brown, trace of silt, fine to medium .	6	301

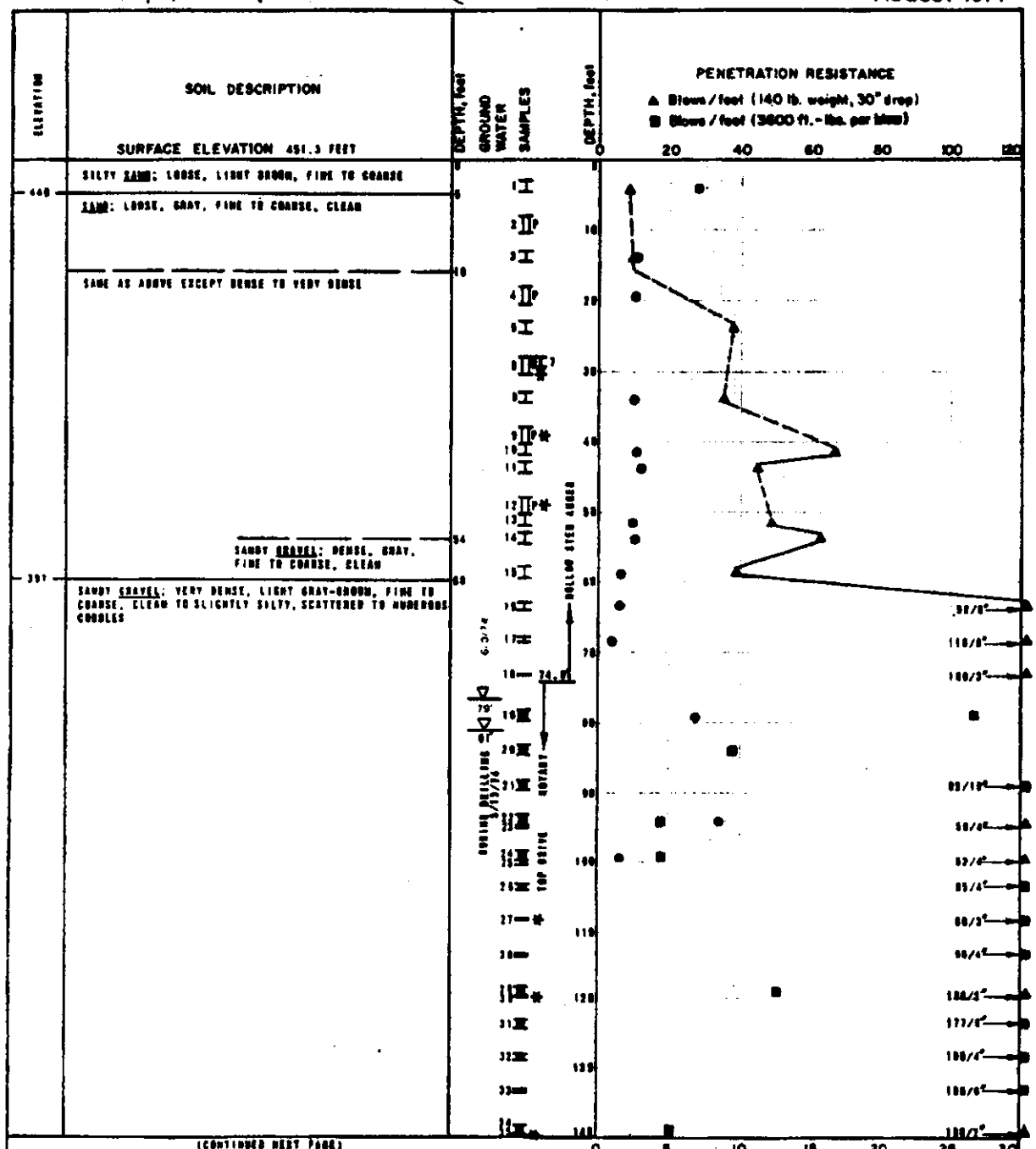
699-14-E2B (CB-6)
Location N13505, E2420 12/28-33N11
Surface Elevation:
Rotary, logged by Shannon & Wilson for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand; variegated gray & brown, fire to coarse sand, basalt grains	60	60
Sand & gravel; brown, medium sand, gravel	74	134

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

699-14-E2A (A8303)

AMENDMENT 9
AUGUST 1974



(CONTINUED NEXT PAGE)

NOTE: HOLLOW STEM AUGER PORTION OF BORING DRILLED 5 FT. NORTH OF STAKED LOCATION

LEGEND

- 2" O.D. split spoon sample
- 4.5" O.D. thick wall sample
- 3.5" O.D. thick wall sample
- 3" O.D. thin wall sample
- Grab sample
- Bag sample
- P Pushed
- PB Pitcher barrel
- Sample not recovered
- Water level
- Liquid limit (LL)
- Natural Water Content
- Plastic Limit (PL)

NOTE

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL

WPPSS
NUCLEAR PROJECT NO. 4

LOG OF BORING CB-7

JULY 1974 W-2685-01

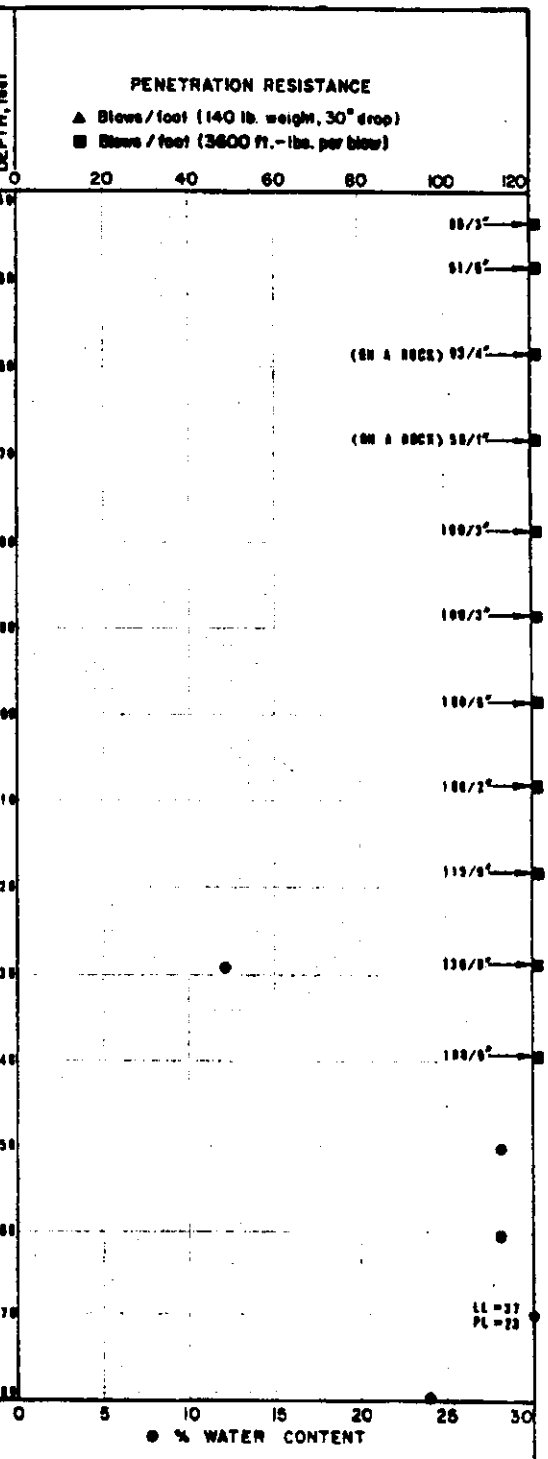
SHANNON & WILSON
GEOTECHNICAL CONSULTANTS

Sheet 1 of 3 FIG. 2P A-22

699-14-E2A (A8303)

ELEVATION	SOIL DESCRIPTION	DEPTH, feet	GROUND WATER	SAMPLES
	SURFACE ELEVATION 681.3 FEET			
	SANDY GRAVEL; VERY DENSE, LIGHT GRAY-BROWN, FINE TO COARSE, CLEAN TO SLIGHTLY SILTY, SCATTERED TO NUMEROUS COBBLES			
200	CLAYEY SILT; HARD, LIGHT BROWN, TRACE FINE SAND, TRACE FINE GRAVEL	245.5		
	SANDY SILT; VERY DENSE, LIGHT BROWN, FINE SAND	271		

(CONTINUED NEXT PAGE)



LEGEND

- I 2" O.D. split spoon sample
- 4.5" O.D. thick wall sample
- 3.5" O.D. thick wall sample
- II 3" O.D. thin wall sample
- Grab sample
- Bag sample
- P Pushed
- PB Pitcher barrel
- * Sample not recovered
- ▽ Water level
- Liquid limit (LL)
- Natural Water Content
- Plastic Limit (PL)

NOTE

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.

WPPSS
NUCLEAR PROJECT NO. 4

LOG OF BORING CB-7

JULY 1974 W-2685-01

SHANNON & WILSON
GEOTECHNICAL CONSULTANTS

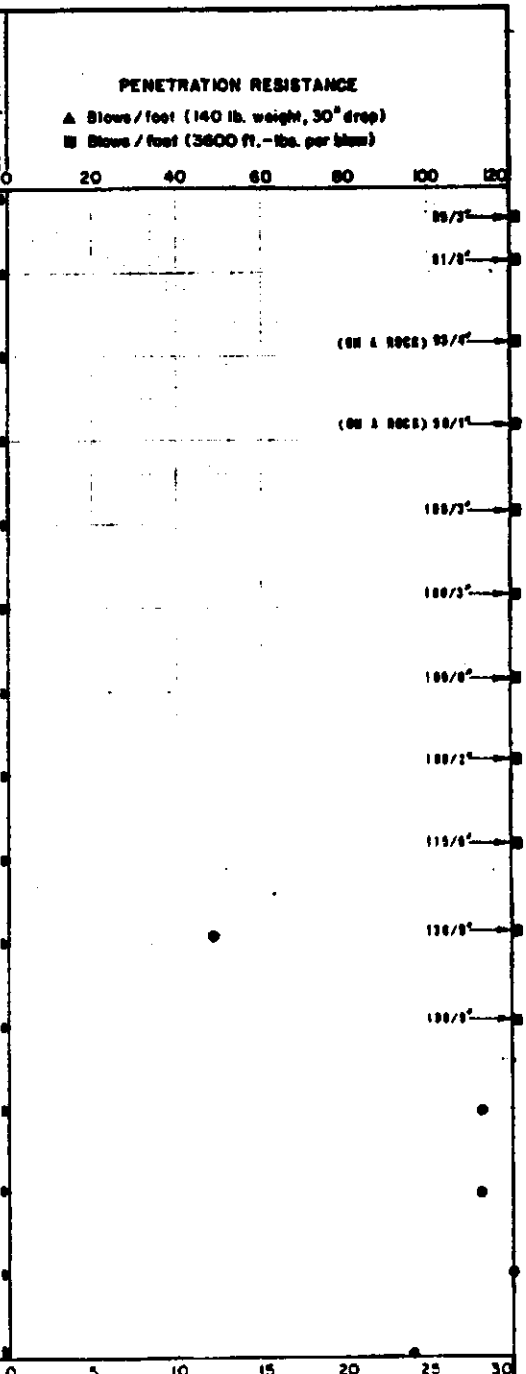
AMENDMENT 11
OCTOBER 1974 FIG. 2P A-22 SH. 2

699-14-E2A (A8303)

AMENDMENT 9
AUGUST 1974

ELEVATION	SOIL DESCRIPTION SURFACE ELEVATION 481.3 FEET	DEPTH, feet	GROUND WATER	SAMPLES	DEPTH, feet
	SANDY GRAVEL: VERY DENSE, LIGHT GRAY-BROWN, FINE TO COARSE, CLEAN TO SLIGHTLY SILTY, SCATTERED TO NUMEROUS COBBLES				
205	CLAYEY SILT, HARD, LIGHT BROWN, TRACE FINE SAND, TRACE FINE GRAVEL	249.5			
	SANDY SILT: VERY DENSE, LIGHT BROWN, FINE SAND	275			

PENETRATION RESISTANCE
▲ Blows/foot (140 lb. weight, 30" drop)
■ Blows/foot (3600 ft.-lbs. per blow)



(CONTINUED NEXT PAGE)

LEGEND

- 2" O.D. split spoon sample
- 4.5" O.D. thick wall sample
- 3.5" O.D. thick wall sample
- 3" O.D. thin wall sample
- Grab sample
- Bag sample
- P Pushed
- PB Pitcher barrel
- * Sample not recovered
- Water level
- Liquid limit (LL)
- Natural Water Content
- Plastic Limit (PL)

NOTE

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.

WPPSS
NUCLEAR PROJECT NO. 4

LOG OF BORING CB-7

JULY 1974 W-2685-01

SHANNON & WILSON
GEOTECHNICAL CONSULTANTS

Sheet 2 of 3 FIG. 2P A-22

699-14-E2A (A8303)

AMENDMENT 9
AUGUST 1974

ELEVATION	SOIL DESCRIPTION	DEPTH, feet	GROUND WATER	SAMPLES	DEPTH, feet	PENETRATION RESISTANCE ▲ Blows/foot (140 lb. weight, 30" drop) ■ Blows/foot (3600 ft.-lbs. per blow) 0 20 40 60 80 100 120
	SURFACE ELEVATION 491.3 FEET				0	
	SANDY SILT: VERY DENSE, LIGHT, FINE SAND					
	SANDY GRAVEL: VERY DENSE, LIGHT GRAY, SILTY, FINE TO MEDIUM SAND, FINE TO COARSE	205				
	SAND: VERY DENSE, LIGHT BROWN, TRACE OF SILT, FINE TO MEDIUM	290				
190.2	SORING COMPLETED 8/17/74	301.1			300	50/3"
					310	

WPPSS Nuclear Project No. 2
Final Safety Analysis Report, Vol. 4
July 1982
Amendment No. 26
REP-070182

0 5 10 15 20 25 30
● % WATER CONTENT

LEGEND

- 2" O.D split spoon sample
- 4.5" O.D thick wall sample
- 3.6" O.D thick wall sample
- 3" O.D thin wall sample
- Grab sample
- Bag sample
- P Pushed
- PB Pitcher barrel
- Sample not recovered
- Water level
- Liquid limit (LL)
- Natural Water Content
- Plastic Limit (PL)

NOTE

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.

WPPSS
NUCLEAR PROJECT NO. 4

LOG OF BORING CB-7

JULY 1974 W-2685-01

SHANNON & WILSON
GEOTECHNICAL CONSULTANTS

Sheet 3 of 3 FIG. 2P A-22

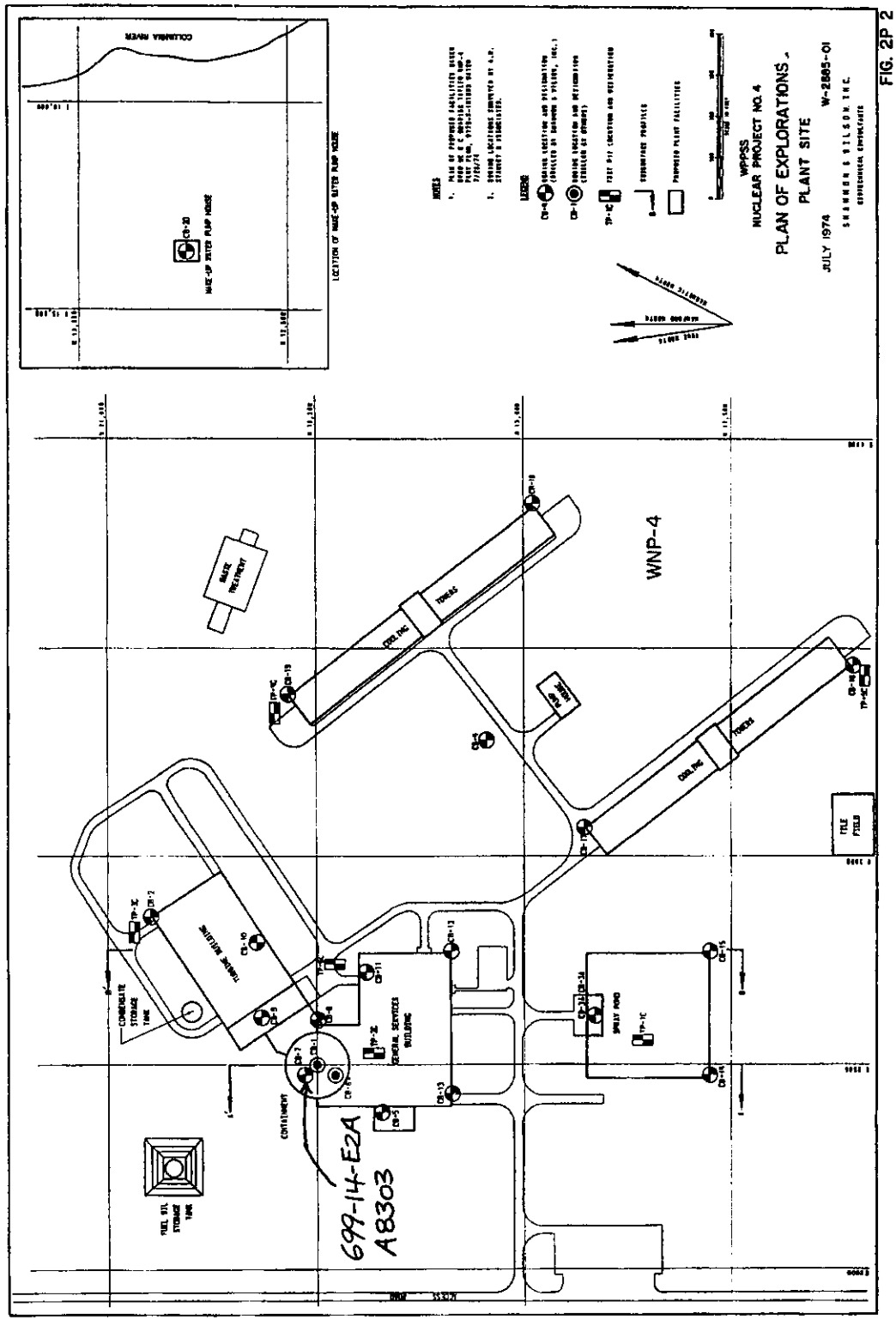


FIG. 2P 2

AMENDMENT 11
OCTOBER 1974

From: Fastabend, Neil P
Sent: Wednesday, June 27, 2007 7:00 PM
To: Worley, Scott H; Taylor, Rand N; Howard, Bonnie J; Kelty, George; Rafuse, Edward C; Johnson, Timothy F
Subject: RE: Survey A8309,

Scott,

Tim Johnson visited the site in an attempt to locate Well A8309 and using a Trimble 5800 GPS RTK unit determined the coordinates fell inside the reactor building.
Well A8304 coordinates fell right next to the building so it looks like A8303 would have the same fate as A8309 (falls inside the building footprint).

Qmap doesn't show the buildings.

Coordinates for Well A8200 fall within Energy Northwest's high security area as was confirmed by Tim Johnson when he was navigating to it and could only get to the fence. The direction and distance displayed on the GPS Controller Unit indicated it fell inside the security area. We have been unsuccessful at gaining access to this area. We don't seem to have the clout to gain authorization for access and would like to defer to your group to pursue this if you need us to verify further.
It would be my assumption that these wells close to the #2 Reactor Building were probably removed prior to or during construction as there had to be a massive excavation.

Please let me know if we can be of further assistance.

Neil P. Fastabend
Fluor Government Group
372-1740 / 438-5584

From: Worley, Scott H
Sent: Wednesday, June 20, 2007 12:33 PM
To: Taylor, Rand N; Howard, Bonnie J; Kelty, George; Rafuse, Edward C; Fastabend, Neil P
Subject: Survey A8309,

Rand and Neil,

Received Survey Data report for Well Decommissioning A8039 that says "cooridinates falls inside reactor building #4 and is not accesible at this time". (Job # 65400811.1225400 CA10)

I pulled up Qmap and found 2 wells very close to this one, well 699-14-E2B (A8304) and 699-14- E2A (A8303) that also need to be verified and surveyed. From Qmap I don't see any buildings in this area.

I would like to request to confirm the data for well A8039 and see if (A8304) and (A8303) exist and can be verified.

Another well that is in question is well 699-11-1A (A8200), from the attached Qmap view the well appears to be in a parking lot outside the fenced area for Energy Northwest. The Data report stated the well is inside a locked security area. Can this well be confirmed also?

Thanks for your support!

Scott Worley

A9609 699-20-39Q

THIS WELL (PIEZO) HAS BEEN REMOVED - DECOMM.
ELW
01/16/07

WELL ATTRIBUTES REPORT

LD ORDER NO				LAST INSPECTION	1/1/1801
ELL ID	A9609			NORTHING	129731.059
WELL NAME	699-20-39Q	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	530	ELEVATION	165.719

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
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	
RING LENGTH (ft)		TUBING LENGTH (ft)	
NG CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

7/28/2006

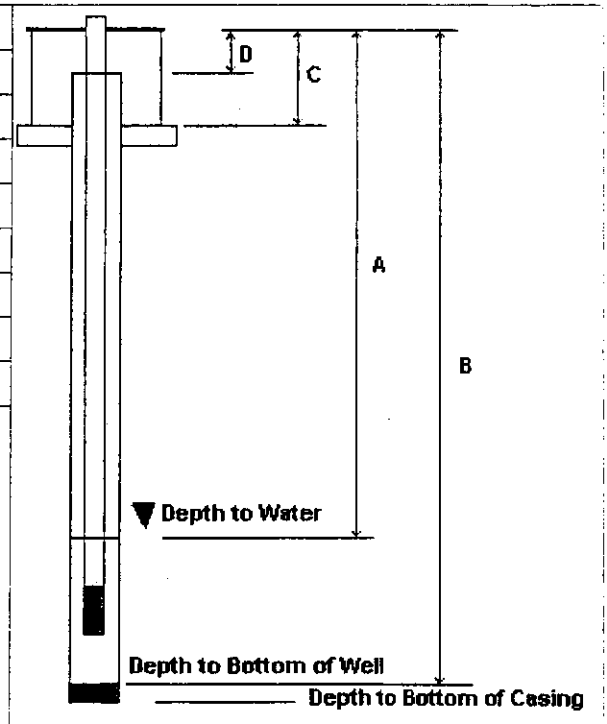
THIS WELL (PIEZO) WAS BEEN REMOVED - DECOMM.
ECW
01/16/07

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A9609			NORTHING	129731.059
WELL NAME	699-20-39Q	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	530	ELEVATION	165.719

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	141	
	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
699-20-18B									FILLED IN
AB			6.0						
			12/81						
699-20-18C									FILLED IN
AB			6.0						
			12/81						
699-20-18D									FILLED IN
AB			6.0						
			12/81						
699-20-20		20389.00	505.58	158.0	P	8.0	105.0	155.0	CEMENT PLUG AT 142 FT; FILLS
GW		-20390.00	8.0	142.0					W/SAND TO 137'
S			7/48	113.0					
699-20-25		20468.00	522.78	722.0					
SW		-24894.00	6.0	74.0					
			4/81						S-3
699-20-32									
GW			6.0						
			12/81	151.0					
699-20-39				[illegible]	[illegible]	[illegible]	[illegible] 0	593.0	PLUG AT 490 FT.
GW									
S									
699-20-39O							)	230.0	REMOVED
AB									
699-20-39P							)	215.0	60 SLOT SCREEN; PIEZ. PULLED
GW							)	330.0	1975, REPLACED 1977
							)	618.0	
699-20-39Q		20472.00	540.23		P	1.5	515.0	535.0	REMOVED
AB		-39078.00	1.5	141.0					
				138.0					
699-20-39R		20472.00	540.23	450.0	P	1.5	435.0	455.0	REMOVED
AB		-39078.00	1.5						
			6/64	139.0					
699-20-39S		20472.00	540.23	370.0	P	1.5	355.0	375.0	REMOVED
AB		-39078.00	1.5						
			6/64						

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

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A9609	699-20-39Q	USACE(JECA)	NAD83(91)	09/30/1994	UNKNOWN	129731.059	577999.762	m	

A9610 699-20-39R

THIS WELL (PIEZO) HAS BEEN REMOVED. DECOMM.
ECW 01/16/07

WELL ATTRIBUTES REPORT

'LD ORDER NO				LAST INSPECTION	1/1/1801
ELL ID	A9610			NORTHING	129731.059
WELL NAME	699-20-39R	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	450	ELEVATION	165.719

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	
'BING LENGTH (ft)		TUBING LENGTH (ft)	
NG CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

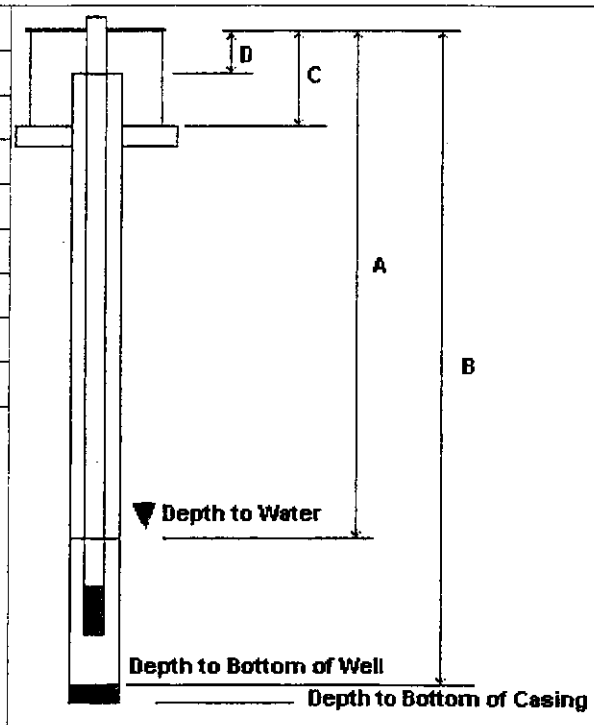
THIS WELL (PICED) HAS BEEN REMOVED. DECOMM.
SCN 01/16/07

WELL ATTRIBUTES REPORT

'LD ORDER NO				LAST INSPECTION	1/1/1801
..LL ID	A9610			NORTHING	129731.059
WELL NAME	699-20-39R	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	450	ELEVATION	165.719

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		/
	DEPTH TO WATER DATE		
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

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
699-20-18B									FILLED IN
AB			6.0						
			12/81						
699-20-18C									FILLED IN
AB			6.0						
			12/81						
699-20-18D									FILLED IN
AB			6.0						
			12/81						
699-20-20		20389.00	505.58	158.0	P	8.0	105.0	155.0	CEMENT PLUG AT 142 FT; FILLS
GW		-20390.00	8.0	142.0					W/SAND TO 137'
S			7/48	113.0					
699-20-25		20468.00	522.78	722.0					
SW		-24894.00	6.0	74.0					
			4/81						S-3
699-20-32									
GW			6.0						
			12/81	151.0					
699-20-39		20472.00	539.98	632.0	P	8.0	130.0	593.0	PLUG AT 490 FT.
GW		-39078.00	8.0	490.0					
S			12/60	138.0					
699-20-39O							10.0	230.0	REMOVED
AB									
699-20-39P							10.0	215.0	60 SLOT SCREEN; PIEZ. PULLED
GW							30.0	330.0	1975, REPLACED 1977
							08.0	618.0	
699-20-39Q							15.0	535.0	REMOVED
AB									
699-20-39R		20472.00	540.23	450.0	P	1.5	435.0	455.0	REMOVED
AB		-39078.00	1.5						
			6/64	139.0					
699-20-39S		20472.00	540.23	370.0	P	1.5	355.0	375.0	REMOVED
AB		-39078.00	1.5						
			6/64						

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

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A9610	699-20-39R	USACE(JECA)	NAD83(91)	09/30/1994	UNKNOWN	129731.059	577999.762	m	

A9611 699-20-39S

THIS WELL (PIFED) HAS BEEN REMOVED. Decomm.
ECL 01/16/07

WELL ATTRIBUTES REPORT

LD ORDER NO				LAST INSPECTION	1/1/1801
VELL ID	A9611			NORTHING	129731.059
WELL NAME	699-20-39S	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	370	ELEVATION	165.719

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
JIPMENT 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	
NG LENGTH (ft)		TUBING LENGTH (ft)	
G CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

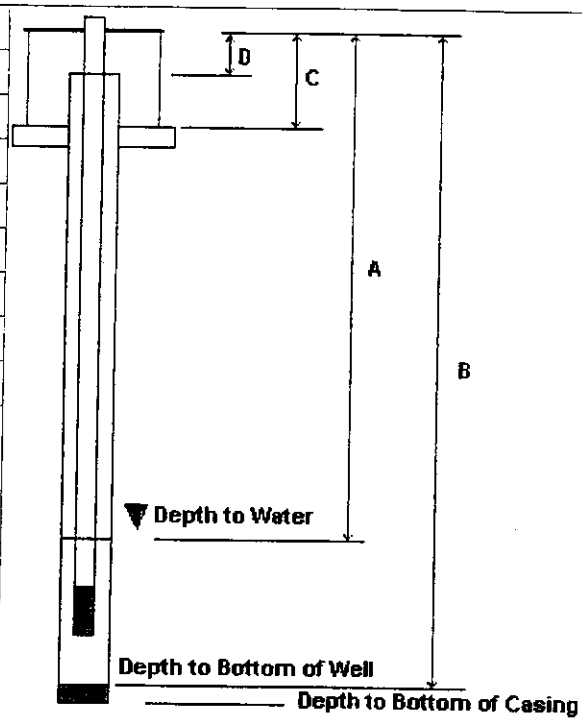
THIS WELL (PIEZO) HAS BEEN REMOVED. DECOMM.
SLW 01/18/07

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A9611			NORTHING	129731.059
WELL NAME	699-20-39S	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	370	ELEVATION	165.719

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		/
	DEPTH TO WATER DATE		
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

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
699-20-18B									FILLED IN
AB			6.0						
			12/81						
699-20-18C									FILLED IN
AB			6.0						
			12/81						
699-20-18D									FILLED IN
AB			6.0						
			12/81						
699-20-20		20389.00	505.58	158.0	P	8.0	105.0	155.0	CEMENT PLUG AT 142 FT; FILLS
GW		-20390.00	8.0	142.0					W/SAND TO 137'
S			7/48	113.0					
699-20-25		20468.00	522.78	722.0					
SW		-24894.00	6.0	74.0					
			4/81						S-3
699-20-32									
GW			6.0						
			12/81	151.0					
699-20-39		20472.00	539.98	632.0	P	8.0	130.0	593.0	PLUG AT 490 FT.
GW		-39078.00	8.0	490.0					
S			12/60	138.0					
699-20-39O		20472.00	540.23	230.0	P	1.5	210.0	230.0	REMOVED
AB		-39078.00	1.5						
			4/65						
699-20-39P							.0	215.0	60 SLOT SCREEN; PIEZ. PULLED
GW							.0	330.0	1975, REPLACED 1977
							.0	618.0	
699-20-39Q							.0	535.0	REMOVED
AB									
699-20-39R							.0	455.0	REMOVED
AB									
699-20-39S		20472.00	540.23	370.0	P	1.5	355.0	375.0	REMOVED
AB		-39078.00	1.5						
			6/64						

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
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HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A9611	699-20-39S	USACE(JECA)	NAD83(91)	09/30/1994	UNKNOWN	129731.059	577999.762	m	

A9612 699-20-39T

THIS WELL (PIEZO) HAS BEEN REMOVED. DECOMM.
ECL
01/16/07

WELL ATTRIBUTES REPORT

D ORDER NO				LAST INSPECTION	1/1/1801
ELL ID	A9612			NORTHING	129731.059
WELL NAME	699-20-39T	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	290	ELEVATION	165.719

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
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	
NG LENGTH (ft)		TUBING LENGTH (ft)	
NG CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

7/28/200

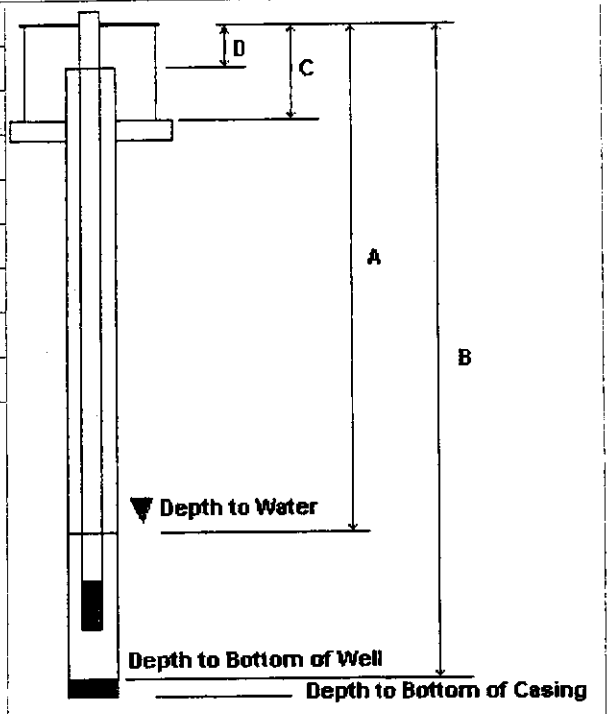
THIS WELL (PIEZO) HAS BEEN REMOVED. DECOMM.
ECW 01/16/07

WELL ATTRIBUTES REPORT

'LD ORDER NO				LAST INSPECTION	1/1/1801
'ELL ID	A9612			NORTHING	129731.059
WELL NAME	699-20-39T	CONST DATE	6/30/1964	EASTING	577999.762
HOST WELL ID	A5081	CONST DEPTH	290	ELEVATION	165.719

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 Documentec

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
699-20-39T AB		20472.00 -39078.00	540.23 1.5 6/64	290.0	P	1.5	275.0	295.0	REMOVED
699-20-41 BW									DC-25
699-20-41P GW									
699-20-41Q GW									
699-20-41R GW			1.8	4009.0					
699-20-82 GW B		19847.00 -82345.00	614.31 12.0 12/29	2000.0 455.0 109.8	P	12.0	100.0	119.0	CLEANED FOR BWIP TO 455' 1983 BENSON RANCH
699-21-E2 SW		20800.00 2400.00	473.10 12/74	125.0					1C-SP-22
699-21-6 GW S		21085.00 -6320.00	436.81 6.0 8/79	68.5 68.0 45.0	P S	6.0 6.0	44.0 40.5	67.0 62.0	SCREEN 40-62 FT. 23-7, 699-23-7
699-21-17 GW		20826.00 -16790.00	527.31 6.0 3/81	725.0 136.0 128.0					S-11
699-21-30A SW			539.00 6.0 12/81						S-1A
699-21-30B GW		21278.00 -29828.00	539.03 6.0 3/81	975.0 338.0 137.0					699-21-30, S-1
699-22-E2 SW		22000.00 2100.00	470.70 12/74	125.0					1C-SP-23

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
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HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A9612	699-20-39T	USACE(JECA)	NAD83(91)	09/30/1994	UNKNOWN	129731.059	577999.762	m	

A8467 699-26-15B

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	
WELL ID	A8467	DRILL DATE		NORTHING	
WELL NAME	699-26-15B	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
ELL 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	
ING LENGTH (ft)		TUBING LENGTH (ft)	
NG CONNECTION		TUBING CONNECTION	

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

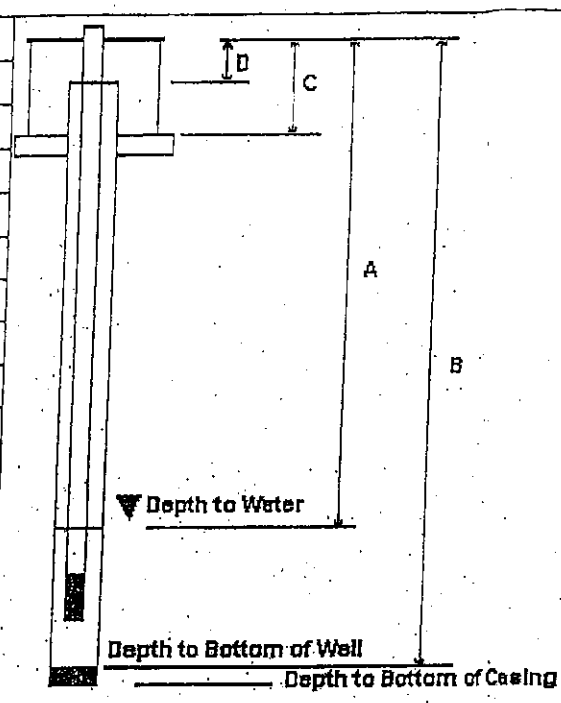
WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID A8467
WELL NAME 699-26-15B
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING
EASTING
ELEVATION

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



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES Status on well - Abandoned in 07-22-1997 - 699-26-15 A & C are on site.

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

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

1/24/20...

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
699-25-70O		25258.00	629.82	200.0	P	1.5	180.0	200.0	REMOVED
AB		-70080.00	1.5						
			1/65						
699-25-70P		25258.00	629.82	438.0	P	1.5	428.0	438.0	REMOVED
AB		-70080.00	1.5	437.0					
			5/64						
699-25-70Q		25258.00	629.82		P	1.5	380.0	390.0	REMOVED
AB		-70080.00	1.5	390.0					
699-25-70R		25258.00	629.82	390.0	P	1.5	320.0	330.0	REMOVED
AB		-70080.00	1.5						
			5/64						
699-25-70S		25258.00	629.82	272.0	P	1.5	262.0	272.0	REMOVED
AB		-70080.00	1.5	272.0					
			5/64						
699-25-80		25092.00	617.38	336.0	P	4.0	170.0	265.0	DEEPENED 1/79, NX CASING TO
BW		-79497.00	4.0	1218.0					849 FT.
			11/48	174.0					DB-14
699-26-E19									
OS									HIGLEY RANCH
699-26-E1									
SW									1C-SP-16
699-26-15A								100.0	6" LINER TO 107 FT., PLUG AT 90
GW								350.0	
S								150.0	699-26-15
699-26-15B		25665.00		22.0					BACKFILLED
AB		-14534.00							
			6/64						
699-26-15C		25661.00	444.34	630.0					
BW		-14545.00	3.9						
			4/80						DH-18
699-26-29A		26402.00	517.11	722.0					
SW		-29002.00	6.0	150.0					
			2/80						699-26-29, GOLDER

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Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A8467	699-26-15B	UNKNOWN	NAD83	01/01/1801	CONVERTED	131337.01	585476.892	m	

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8467	699-26-15B	06/03/1964		22	ft		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8467	699-26-15B	ABANDONED	07/22/1997	Field Inspection 2006 well found no photo survey coordinates no HWIS documents

SURVEY DATA REPORT

Request No. 063-359				
Project No.	Title: Well Decommissioning Program / A8467 (699-26-15B)			File No. 6AT12R27
Job No. 65400891.1193120 CA10	Prepared By S. Wray SAW-	Date 6/29/06	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Investigate location of Well A8467 (699-26-15B) at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	J.D. Davis	1		
	R.L. Biggerstaff	1		
	G.G. Kelty	1		
	T. Hottell	1		
	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8467	N 131337.01, E 585476.89	No evidence of Well visible. Set hub and lath at given coordinates.

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

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

SCAN DATA REPORT

Request No.: 063-388		
Project No.:	Title: WELL A8467 DECOMMISSIONING-GROUND SCAN	File No. : 600A-002
Job No.: 65400801.1193120* homex CA10	Prepared by: Rand Taylor	Date: 7/11/06
Reviewer: JC Wolff [illegible] 7-11-06	Page 1 of 1	

DESCRIPTION OF WORK:

Performed a 10' radius scan around the staked well location A8467.

Note, No underground items were detected at the staked location.

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

DATE OF FIELD INVESTIGATION: 7/10/06

Weather: Temp 100°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation 8 feet

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

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

Documentation Provided: Sketch

Limits of Investigation: Performed a 10' radius scan at the staked location north of the Y-Barricade.

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 underground items were detected at the staked location.

699-26-15B
Location: N25665, W14554 12/27-24M2
Casing Elevation: 443
Mud rotary, drilled by Storey Drilling Company for GE Company, 1964, abandoned borehole

Material (1)	Thickness	Depth
Sand	3	3
Gravel, coarse; caving from about 12 ft. down	19	22

HANFORD WELLS
PNL-8800 UC-903
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A8497 699-30-25B

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8497			NORTHING	132578.019
WELL NAME	699-30-25B	CONST DATE		EASTING	582348.767
HOST WELL ID		CONST DEPTH		ELEVATION	165.846

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

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

ND* - Not Documented

7/18/2005

SEE SCAN AND SURVEY REPORT -
*SEE PHOTOS - WELL HAS BEEN DECOMMISSIONED (WELL LOCATED)

1/05/07

WELL ATTRIBUTES REPORT

FROM SCAN REPORT - WELL WAS LOCATED

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8497			NORTHING	132578.019
WELL NAME	699-30-25B	CONST DATE		EASTING	582348.767
HOST WELL ID		CONST DEPTH		ELEVATION	165.846

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 gravel/sand	☑ 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 SANDY - NO IMPROVEMENTS NEEDED	☑ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED No pump	☐ 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. Rafine
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	01/05/07
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

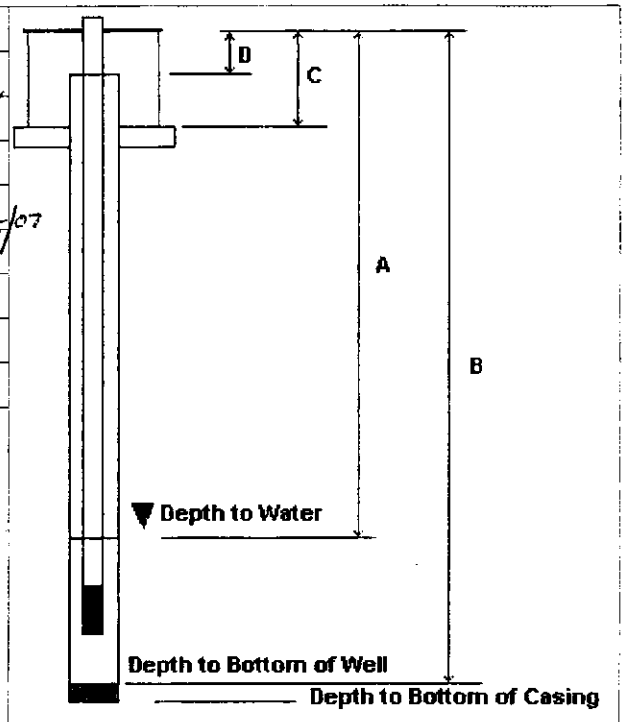
SEE SURVEY AND SCAN REPORT
* SEE PHOTO - WELL HAS BEEN DECOMM. (W/ SAND GRAVEL)

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8497			NORTHING	132578.019
WELL NAME	699-30-25B	CONST DATE		EASTING	582348.767
HOST WELL ID		CONST DEPTH		ELEVATION	165.846

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)	?	
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	?	
	DEPTH TO BOTTOM DATE		~~NA~~ CLL 7/05/07
C	STICK UP(ft)		-0.7
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 EXISTS VIA SCAN REPORT
SEE PHOTOS

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS
6"				CS		.250

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
699-29-70CS GW		28808.00 -70244.00	631.31 1.8 1/84	3980.0 2466.0					SCREEN 2432-2454 FT.
699-29-70CT GW		28808.00 -70244.00	631.48 1.8 1/84	3980.0 1937.0					SCREEN 1903-1925 FT.
699-29-70CU GW		28808.00 -70244.00	631.64 1.8 1/84	3980.0 1682.0					SCREEN 1664-1674 FT.
699-29-70D BW		28724.00 -70121.00	12.5 12/83	1550.0 1550.0 212.0					BWIP WELL DC-19D; ABANDONED; PIEZOMETERS CEMENTED DC-19D
699-29-70DP GW		28724.00 -70121.00	1.8 12/83	1426.0					SCREEN 1404-1426 FT.
699-29-78 GW S		29379.00 -77727.00	647.05 6.0 11/62	600.0 600.0 177.0	P S S	8.0 6.0 6.0	153.0 117.0 214.5	300.0 213.0 264.0	6"LINER 117-563; HOLE TENDS TO FILL IN TO 520'
699-29-83 BW									DH-20
699-30-16 GW									GOLDER 87
699-30-25A SW			12/80						GOLDER 13
699-30-25B SW		29772.00 -24782.00	540.64 6.0 12/80	423.0					GOLDER 13A
699-30-25C SW		29832.00 -24751.00	543.05 6.0 12/80						699-30-25, GOLDER
699-30-47 VW		29997.00 -46998.00	671.80 6.0 6/69	251.0					

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

WIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
8497	699-30-25B	UNKNOWN	NAD83	01/01/1801	CONVERTED	132578.019	582348.767	m	

1494-20-25B (18497) 55.

6PP-35-25A

STAKED AS PER COORDINATES

6PP-20-25B (ASHAT) STAKED AS PER SCAN DATA

6PP-20-25C

01/05/07

699-90-25 B(A8497) 6 Ces

01/05/07

699-30-25B (Golder Well #13A)
Location: ~N29772, W24782 12/27-15N2
Casing Elevation: 540.64
Mud rotary, drilled by Carman Water Wells & logged by Arnold of Golder Associates for NESCO, 1980, geologic investigation borehole

Material (11)	Thickness	Depth
Medium to fine sand, some silt . .	20	20
Medium to fine sand	10	30
Medium to fine sand, trace coarse gravel	5	35
Medium to fine sand, trace medium gravel	5	40
Medium to fine sand	10	50
Medium to fine sand, trace silt & medium gravel	10	60
Medium to fine sand, trace silt & gravel	5	65
Medium to fine sand & coarse gravel, trace silt	20	85
Medium to fine sand, some gravel, trace silt	10	95
Medium to fine sand & medium to fine gravel	10	105
Medium to fine sand, trace gravel	5	110
Medium to fine sand	5	115
Medium to fine sand & medium to fine gravel, trace silt . . .	5	120
Fine sand & medium to coarse gravel, trace silt	15	135
Fine sand & medium to coarse gravel	5	140
Medium to fine sand & medium to coarse gravel	20	160
Sandy medium to fine gravel . . .	10	170
Medium to fine sand & medium to coarse gravel	15	185
Coarse to fine gravel, trace coarse to fine sand	75	260
Coarse to fine gravel, trace coarse to fine sand & silt	5	265
Coarse to fine gravel, some silt, trace coarse to fine sand	5	270
Coarse to fine gravel, trace coarse to fine sand	5	275
Coarse to fine sand & silt, some coarse to fine gravel, trace clay	5	280
Coarse to fine gravel, some coarse to fine sand, some silt, trace clay	5	285

HANFORD WELLS
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699-30-25B (Cont'd)

Material	Thickness	Depth
Coarse to fine gravel, some coarse sand	105	390
Coarse to fine gravel, some coarse sand, trace silt	10	400
Coarse to fine gravel, some coarse to fine sand & silt	10	410
Coarse to fine gravel, some coarse sand, trace silt . .	23	423

699-30-25C (Golder Well #78)
Location: ~N29832, W24750 12/27-15N3
Casing Elevation: 543.03
Air rotary (to 204 ft.) & diamond coring, drilled by Wallace Drilling Company & logged by Lubrecht, Wilkening & MacLeod of Golder Associates for NESCO, 1980, geologic investigation borehole

Material(11)	Thickness	Depth
Fine to medium sand	25	25
Medium to coarse sand, trace fine gravel	15	40
Medium to coarse sand, trace fine to medium gravel	5	45
Medium to coarse sand	10	55
Medium to coarse sand, trace medium gravel	10	65
Fine to coarse gravel, trace coarse sand	10	75
Fine to coarse gravel, some medium to coarse sand	5	80
Medium to coarse sand & fine to coarse gravel	15	95
Medium to coarse sand & fine to medium gravel	5	100
Medium to coarse sand, some fine to medium gravel	5	105
Fine to coarse gravel, trace coarse sand	10	115
Medium to coarse sand	5	120
Fine to medium gravelly medium to coarse sand	5	125
Fine to medium gravelly fine to coarse sand, trace silt . . .	5	130
Fine to coarse gravelly fine to coarse sand, trace silt . . .	5	135

HANFORD WELLS
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SURVEY DATA REPORT				Request No. 071-087
Project No.	Title: Well Decommissioning Program / A8497 (699-30-25B)			File No. 6AT12R27
Job No. 65400801.1225400/ CA10	Prepared By S. Wray	Date 12/11/06	Reviewer	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Investigate location of Well A8497 (699-30-25B) at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8497	N 132578.02, E 582348.77	No evidence of Well visible. Set hub and lath at given Coordinates.

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

Query HWIS again

HWIS Interface - Well History Information - Current Status

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8497	699-30-25B	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMI
A8497	699-30-25B	12/31/1980		423	ft	

X

699-30-25B (Golder Well #13A)
Location: ~N29772, W24782 12/27-15N2
Casing Elevation: 540.64
Mud rotary, drilled by Carman Water Wells & logged by Arnold of Golder Associates for NESCO, 1980, geologic investigation borehole

Material (11)	Thickness	Depth
Medium to fine sand, some silt . .	20	20
Medium to fine sand	10	30
Medium to fine sand, trace coarse gravel	5	35
Medium to fine sand, trace medium gravel	5	40
Medium to fine sand	10	50
Medium to fine sand, trace silt & medium gravel	10	60
Medium to fine sand, trace silt & gravel	5	65
Medium to fine sand & coarse gravel, trace silt	20	85
Medium to fine sand, some gravel, trace silt	10	95
Medium to fine sand & medium to fine gravel	10	105
Medium to fine sand, trace gravel	5	110
Medium to fine sand	5	115
Medium to fine sand & medium to fine gravel, trace silt . . .	5	120
Fine sand & medium to coarse gravel, trace silt	15	135
Fine sand & medium to coarse gravel	5	140
Medium to fine sand & medium to coarse gravel	20	160
Sandy medium to fine gravel . . .	10	170
Medium to fine sand & medium to coarse gravel	15	185
Coarse to fine gravel, trace coarse to fine sand	75	260
Coarse to fine gravel, trace coarse to fine sand & silt	5	265
Coarse to fine gravel, some silt, trace coarse to fine sand	5	270
Coarse to fine gravel, trace coarse to fine sand	5	275
Coarse to fine sand & silt, some coarse to fine gravel, trace clay	5	280
Coarse to fine gravel, some coarse to fine sand, some silt, trace clay	5	285

HANFORD WELLS
PNL-8800 UC-903
M.A. Chamness & J.K. Merz
August 1993
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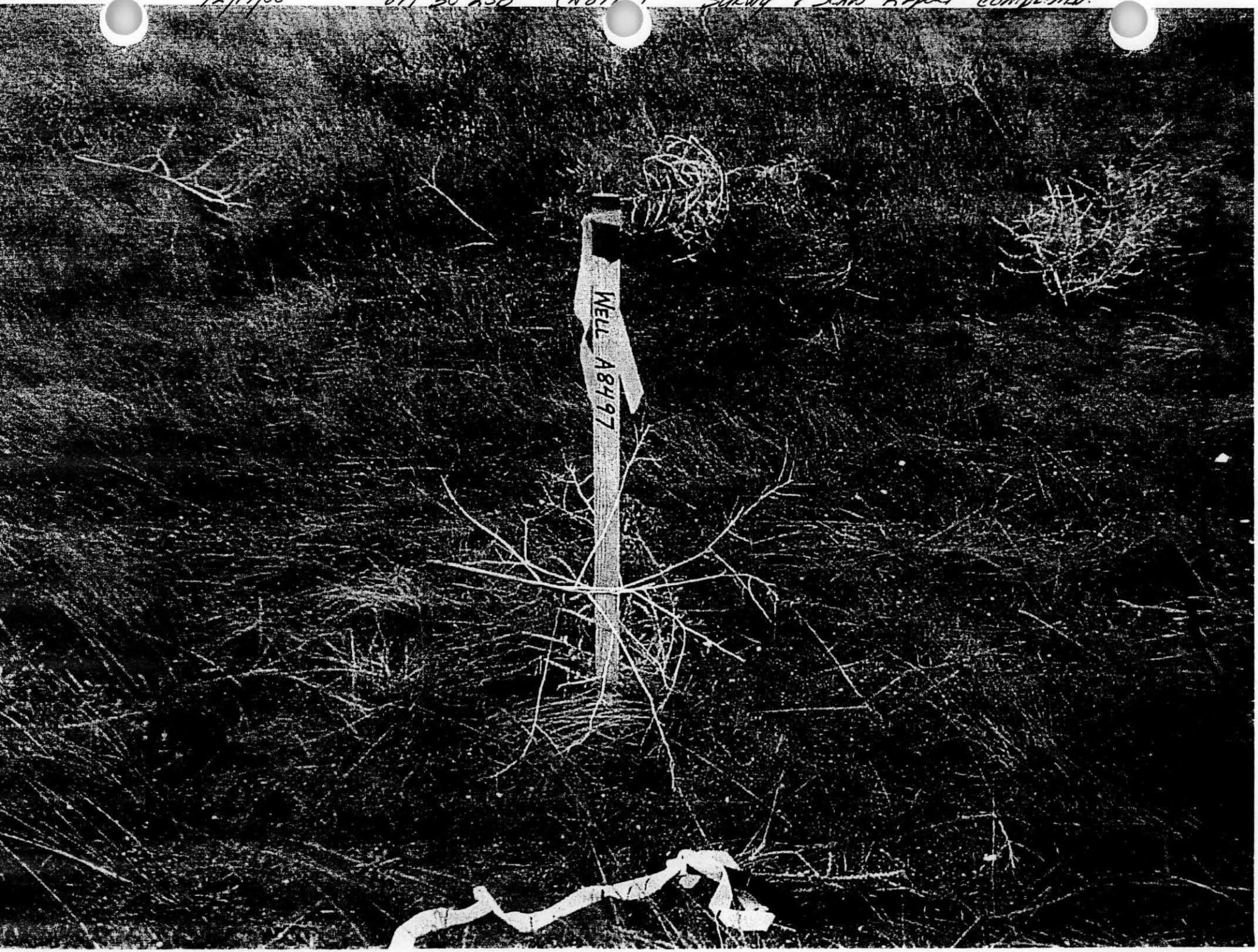
12/14/06 699-30-25B (A8497) SURVY & SCAN REPORT COMPLETED.



SCAN DATA REPORT

Project No.:	Title: WELL DECOMMISSIONING - WELL A8497 699-30-25B (East of 200 East Area)	Request No.: 071-103
		File No.: 600C-001
Job No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 12/14/06
		Reviewer: Larry Hanke
		Page 1 of 3

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8497.

699-30-25B

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

DATE OF FIELD INVESTIGATION: 12/14/06

Weather: Temp 45°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/ 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 A8497.

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, A underground signal was detected 7' south east of the staked location.

55

SURVEY DATA REPORT

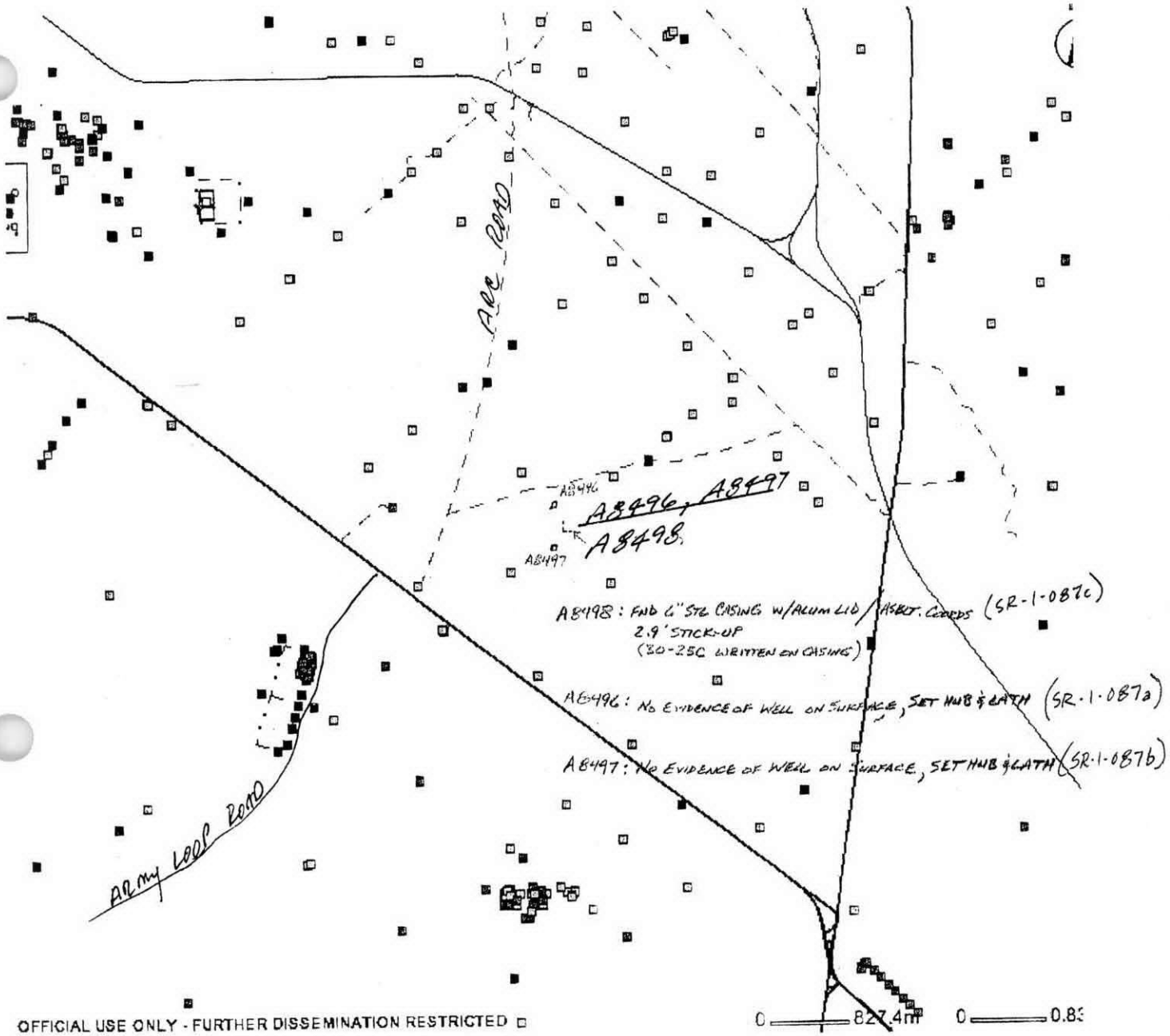
Request No. 071-087				
't No.	Title: Well Decommissioning Program / A8497 (699-30-25B)			File No. 6AT12R27
Job No. 65400801.1225400/ CA10	Prepared By S. Wray	Date 12/11/06	Reviewer Larry Fenk	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Investigate location of Well A8497 (699-30-25B) at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	E. Rafuse	1		
	G.G. Kelty	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8497	N 132578.02, E 582348.77	No evidence of Well visible. Set hub and lath at given Coordinates.

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



OFFICIAL USE ONLY - FURTHER DISSEMINATION RESTRICTED

N

A8521 699-32-70A

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8521			NORTHING	133237.854
WELL NAME	699-32-70A	CONST DATE		EASTING	568460.416
HOST WELL ID		CONST DEPTH		ELEVATION	204.06

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

LAST PUMP INFORMATION				CURRENT PUMP INFORMATION		
PUMP ACTIVITY PERFORMED	☐ INSTALLED			PUMP ACTIVITY PERFORMED	☐ INSTALLED	
	☐ REPLACED		☑ ND*		☐ REPLACED	
	☐ REMOVED				☐ 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 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
699-32-70A AB		32065.00 -70345.00	666.00 8.0 7/57	295.0					ABANDONED AND BACKFILLED 699-32-70
699-32-70B GW S							207.0	330.0	699-32-70
699-32-72 GW S							10.0	485.0	PIEZOMETER INSTALLED AT 470. CEMENT PLUG 415-420.
699-32-72O AB							210.0	230.0	REMOVED
699-32-72P GW		32477.00 -72039.00	668.16 1.5 6/77	470.0 470.0 215.0	S	1.5	465.0	470.0	60 SLOT SCREEN
699-32-72Q AB		32477.00 -72039.00	668.42 1.5	479.0 218.0	P	1.5	460.0	480.0	REMOVED
699-32-72R AB		32477.00 -72039.00	668.42 1.5 6/64	410.0 403.0 210.0	P	1.5	390.0	410.0	REMOVED
699-32-72S AB		32477.00 -72039.00	668.42 1.5 6/64	360.0 360.0 210.0	P	1.5	340.0	360.0	REMOVED
699-32-77 GW S		31812.00 -77032.00	653.74 8.0 5/51	290.0 222.0	P	8.0	175.0	290.0	CEMENT PLUG AT 222 FT.
699-32-83 AB		31510.00 -83396.00	625.97 10.0 1/82	150.0 150.0					BWIP WELL RRL-12; ABANDONED RRL-12
699-33-6 GW		32508.00 -6189.00	503.31 6.0 6/80	591.0 178.0 120.0					GOLDER WELL #52 GOLDER 52
699-33-14 GW		33129.00 -14322.00	473.23 6.0 5/80	573.0 120.0 80.0					GOLDER WELL #30 GOLDER 30

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Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A8521	699-32-70A	UNKNOWN	NAD83	01/01/1801	CONVERTED	133237.854	568460.416	m	

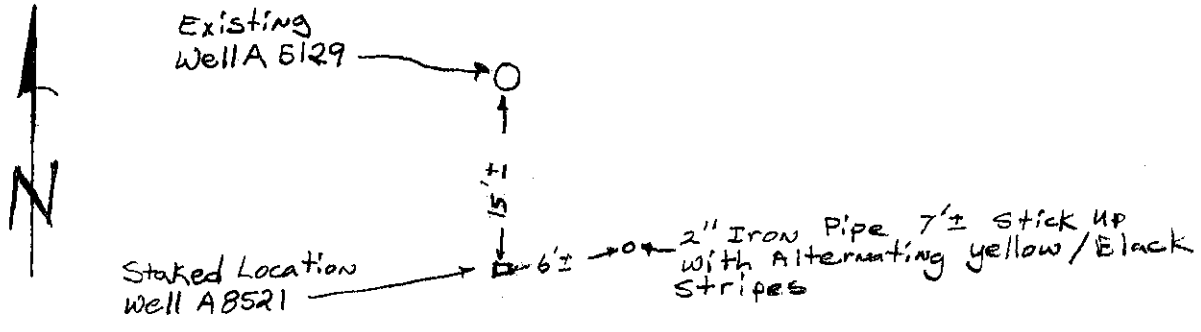
SURVEY DATA REPORT				Request No. 71-079
Project No. /A	Title: Well Decommissioning near 200W for well A8521			File No. 6AT12R26
Job No. 65400801.1225400 CA10	Prepared By Larry A Henke	Date 12/27/2006	Reviewer SAW	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake or locate well A8521 in support of well decommissioning per the attached.	Survey File	OR		
	Bonnie Howard	1		
Equipment Used: Trimble 5800 GPS Receiver	Ed Rafuse	1		
Coordinate System: US State Plane 1983	George Kelty	1		
Zone: Washington South 4602	J. Davis	1		
Project Datum: NAD 1983 (Conus)				
Coordinate Units: Meters				

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Feature Code
A8521	133237.854	568460.416	WELL

No well was found. Set lath.
Control: 2W-48WGS N 134801.710 E 567707.161 A Brass Cap Monument.
2W-152 N 133396.047 E 567722.657 A Aluminum Cap Monument.



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

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

699-32-62 (Cont'd)

Material	Thickness	Depth
Sand & clay; fine silty sand at 470 ft., a little clay	5	475
Fine silty sand	10	485
Silty sand	7	492
Silty sand w/small gravel	9	501

699-32-70A

Location: ∿N32065, W70345 12/26-18G1

Casing Elevation: 666

Cable tool, drilled by Swain of Hatch Drilling Company for GE Company, 1957, abandoned borehole

Material (1)	Thickness	Depth
Fine sand & silt	15	15
Sand & silt	15	30
Fine sand & silt	5	35
Fine sand-silt, some small gravel	30	65
Fine sand-silt	15	80
Sand-silt	15	95
Fine sand & silt	40	135
Sand-silt	5	140
Fine sand-silt & clay	40	180
Sand, silt & gravel, 1/4-1 in.	5	185
Gravel, 1/4-1 in.	5	190
Dark brown sand hard packed	5	195
Dark brown sand & small gravel, softer	5	200
Dark brown sand, silt & gravel, soft	5	205
Dark brown sand, silt, clay & gravel	10	215
Sand & gravel, hard packed	5	220
Sand-gravel-silt, hard packed	10	230
Sand-gravel, gravel content increasing, 1/4-2 in.	5	235
Sand & gravel	5	240
Sand & gravel, 1/2-4 in.	5	245
Clean coarse sand	5	250
Sand & gravel	5	255
Cemented sand & gravel	3	258
Cemented sand	7	265
Cemented sand, softer	5	270

HANFORD WELLS
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699-32-70A (Cont'd)

Material	Thickness	Depth
Sand & gravel	10	280
Cemented sand & gravel	10	290
Sand & silt & gravel particles	5	295
No record	5	300

699-32-70B

Location: N32085, W70345 12/26-18G2

Casing Elevation: 666.61

Cable tool, drilled by Swain of Hatch Drilling Company for GE Company, 1957, groundwater monitoring borehole

Material (1)	Thickness	Depth
Sand	5	5
Gravel, some cobbles	5	10
Sand & gravel	14	24
Fine sand & silt w/streaks of small gravel	48	72
Fine sand & silt	112	184
Cemented sand & small gravel . . .	14	198
Sand, silt & clay	21	219
Cemented sand, silt & gravel . . .	13	232
Cemented sand & gravel w/layers of clean large gravel to 4 in.	13	245
Cemented sand	35	280
Cemented sand & small gravel . . .	15	295
Sand & gravel	15	310
Sand & large gravel to 3 in. . .	5	315
Sand & silt	5	320
Cemented sand & silt	10	330
Cemented sand & small gravel . . .	5	335
Cemented sand & gravel	5	340
Sand & silt; small gravel, softer	10	350

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

A8521 699-32-70A

SCAN DATA REPORT

Request No.: 072-115		
Project No.: NA	Title: WELL DECOMMISSIONING - WELL A8521	File No.: 600C-001
Job No.: 65400811.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 1/2/07
Reviewer:		Page 1 of 1

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8521.

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 A8521.

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.

emailed

SURVEY DATA REPORT

A8521 699-32-70A

Request No. 71-079				
Project No. N/A	Title: Well Decommissioning near 200W for well A8521			File No. 6AT12R26
No. 00801.1225400 CA10	Prepared By Larry A Henke	Date 12/27/2006	Reviewer SAW	Page 1 of 1

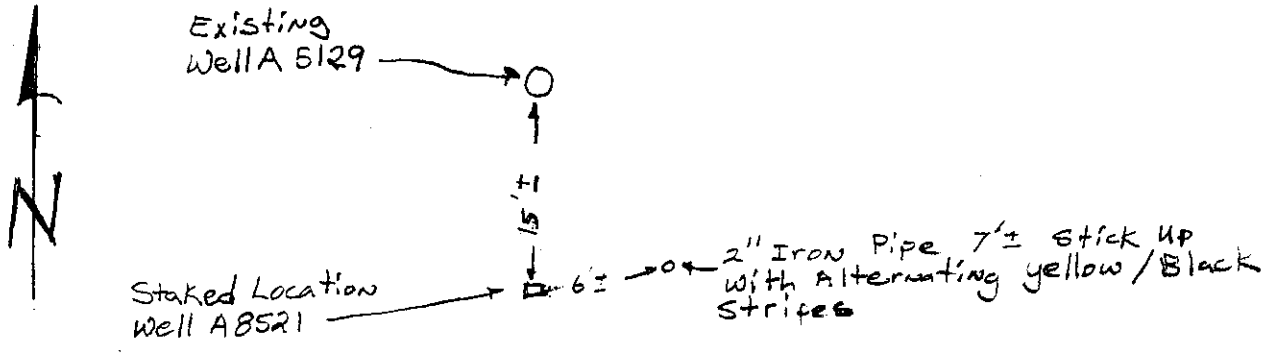
DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake or locate well A8521 in support of well decommissioning per the attached.	Survey File	OR		
	Bonnie Howard	1		
	Ed Rafuse	1		
Equipment Used: Trimble 5800 GPS Receiver	George Kelty	1		
Coordinate System: US State Plane 1983	J. Davis	1		
Zone: Washington South 4602				
Project Datum: NAD 1983 (Conus)				
Coordinate Units: Meters				

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Feature Code
A8521	133237.854	568460.416	WELL

No well was found. Set lath.
Control: 2W-48WGS N 134801.710 E 567707.161 A Brass Cap Monument.
2W-152 N 133396.047 E 567722.657 A Aluminum Cap Monument.

A5129 699-32-70B



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

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

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A8521	699-32-70A	07/31/1957		295	ft		

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	June 15, 1957	0'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Swain			25'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0930-1230	Setting up rig.
1300	5'			Fine sand and silt		
					1305	Sampled 5'
1330	10'			Fine sand and silt		
					1330-1345	Installed 8' casing and sampled 10'
1430	15'			Fine sand and silt		
					1440-1455	Welded 8' casing (16' OH) and sampled 15'
1515	20'			Sand and silt		
					1530-1545	Welded 8' casing (24' OH) and sampled 20'
1630	25'			Sand and silt		

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	June 17, 1957	25'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			65'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					1000-1030	Cleaned out and sampled 25'
1120	30'			Sand-silt	1120-1135	Welded 8' casing (32' OH) and sampled 30'
1220	35'			Fine sand and silt	1220-1225	Sampled 35'
					1250-1300	Welded 8' casing (40' OH)
1315	40'			Fine sand-silt Some small gravel		
					1320-1325	Sampled 40'
1355	45'			Fine sand-silt Some small gravel	1400-1415	Welded 8' casing (48' OH) and sampled 45'
1500	50'			Fine sand-silt Some small gravel	1505-1510	Sampled 50'
					1545-1555	Welded 8' casing (56' OH)
1600	55'			Fine sand-silt Some small gravel	1605-1610	Sampled 55'
1700	60'			Fine sand-silt Some small gravel	1705-1720	Welded 8' casing (64' OH) and sampled
1740	65'			Fine sand-silt Some small gravel		

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	June 18, 1957	65'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Swain			62'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
1040	70'			Fine sand-silt		
					1045-1100	Welded 8' casing (72' OH) and sampled
1155	75'			Fine sadd-silt		
					1155-1200	Sampled 75'
					1230-1245	Changed bits and put drive head on
					1300-1310	Welded 8' casing (80' OH)
1330	80'			Fine sand-silt		
					1330-1335	Sampled 80'
					1400-1800	Casing going off, so pulled pipe back until straight.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	June 19, 1957	62'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Strain			95'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0915-1100	Installed 10" casing (8') around top of 8"
						casing and filled in between casing with
						bentonite. Started to work casing back down
						to 80' level.
					1100-1200	Went to look at new well site.
					1200-1600	Worked casing back down to 80' - straight.
1605	85'			Sand-silt		
					1605-1620	Welded 8' casing (88' OH) and sampled
1720	90'			Sand-silt		
					1720-1725	Sampled 90'
					1735-1740	Welded 8' casing (96' OH)
1805	95'			Sand-silt		

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	June 21, 1957	135'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			190'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
						Sampled 135'
1030	140'			Sand-silt	0930-0950	Cleaned out hole and welded 8' casing (136' OH)
1050	145'			Fine sand-silt and clay	1030-1035	Sampled 140'
1130	150'			Same as above	1040-1045	Welded 8' casing (144' OH) and sampled 145'
1220	155'			Same as above	1135-1145	Welded 8' casing (152' OH) and sampled 150'
					1220-1250	Sampled 155'. Welded 8' casing (160' OH)
1315	160'			Same as above	1315-1320	Sampled 160'
1400	165'			Same as above	1405-1415	Welded 8' casing (168' OH) and sampled 165'
1500	170'			Same as above	1500-1510	Welded 8' casing (176' OH) and sampled 170'
1545	175'			Same as above	1545-1550	Sampled 175'
1605	180'			Same as above	1605-1610	Sampled 180'
1705-	185'			Sand, silt and Gravel ($\frac{1}{4}$"-1")	1645-1655	Welded 8' casing (184' OH)
1800	190'			Gravel ($\frac{1}{4}$"-1")	1705-1710	Sampled 185'

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	June 22, 1957	190'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			220'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					1030-1045	Welded 8' casing (192' OH) and sampled 190'
1150	195'			Dark brown sand hard packed	1150-1155	Sampled 195'
					1215-1300	Dress out bit with welder
					1330-1415	repaired welder
1420	200'			Dark brown sand and small gravel-softer		
					1420-1440	Welded 8' casing (200' OH) and sampled 200'
1520	205'			Dark brown sand, silt and gravel-soft	1525-1535	Welded 8' casing (208' OH) and sampled 205'
1610	210'			Dark brown sand, silt clay and gravel	1610-1615	Sampled 210'
					1640-1645	Welded 8' casing (216' OH)
1700	215'			Dark brown sand-silt clay and gravel	1700-1705	Sampled 215'
1730	220'			Sand and gravel Hard packed		

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	June 24, 1957	220'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			242'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0930-1030	Cleaned out hole - welded 8' casing (224' OH)
						and sampled 220'
1130	225'			Sand-gravel-silt Hard packed		
1310	230'			Sand-gravel-silt Hard packed		
					1310-1320	Welded 8' casing (232' OH) and sampled 230'
1545	235'			Sand-gravel (Gravel increasing 1/4" to 2")		
					1545-1550	Sampled 235'
1705-[illegible]	240'			Sand-gravel		
					1705-1715	Welded 8' casing (240' OH) and sampled 240'.

REMARKS

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	6/25/57	242'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			245'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					9:30-9:40	Sampled water - water level 214'
12:00	245'	Sand and Gravel ($\frac{1}{2}$" to 4")			12:00-14:00	Bailer stuck in hole - went after tools to free
						bailer.
					14:00-14:30	Fredd Bailer and sampled 245'
					15:00	Drilling in clean sand - must keep casing on
						bottom of hole so I can not proceed without jars.

REMARKS

SD-7800-052 (5 - 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	6/28/57	245'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			252'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					12:00-12:10	Sampled Water - Water level 226'
					12:10-13:00	Put jars on - went after water.
					14:10-14:20	Welded 8' casing (248' OH)
14:30	250'	Clean course sand			14:30-14:35	Sampled 250'
					15:15-15:25	Welded 8' casing (256'OH)

REMARKS

BD-7800-052 (5 - 57) AEC-GE RICHLAND, WASH.

..cwN

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	7/1/57	252'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Strain			253'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					9:20-10:20	Dressed out bit with welder
					11:00-11:30	Fixed switch on welder
					18:00	Have been drilling on piece of iron all day.
						Don't know what it is or where it came from but
						have been getting pieces up in the bailer.

REMARKS

BD-7800-052 (S - 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	7/2/57	253'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			256'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
9:15-15:00	255'	Sand and Gravel (Still		drilling on	14:10	Welded 4' Casing (256' OH)
		piece of iron)				
					15:10	Sampled 255'
					17:50	Line broke at Rope Socket leaving string of
						drilling tools in well at 256' - I was still drill
						ing on iron, very hard and slow.

REMARKS

BD-7800-052 (5 - 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	7-3-4-57	258'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			258'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					8:00-18:00	Spent all day fishing drilling tools out of hole and restringing line.
7/4/57					10:30-16:30	Still drilling on iron down 258' in cemented sand and gravel

REMARKS

BD-7800-052 (5 - 57) AEC-GE RICHLAND, WASH.

BROWN

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	7/5/57	258'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			264'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					9:15-9:30	Sampled water - Water level 215'
					10:15-11:00	Dressed bit
3:00	260'	Cemented Sand			13:05-13:10	Sampled 260'
					14:30-14:40	Welded 4' of Casing (260')OH)
16:30	264'	Cemented Sand				

REMARKS

BD-7800-C52 (5 - 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	7-6-57	264'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			280'

DRILLING		CORING		TYPE SOIL
TIME	DEPTH	TIME	DEPTH	
11:30	265'	Cemented Sand		
14:30	270'	" "	(Softer)	
16:00	275'	Sand and Gravel		
17:30	280'	" " "		

OTHER DELAYS	
TIME	EXPLANATION
12:05-12:15	Welded 8' casing (268' OH) and Sampled 265'
14:30-14:35	Sampled 270'
15:10-15:20	Welded 8' Casing (276' OH)
16:00-16:05	Sampled 275'
17:30-17:35	" 280'

REMARKS

BD-7800-052 (5 - 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO. CA-700

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	7/8/57	279'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Hatch			

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
10:10-10:30	280	Cemented Sand			10:30-11:00	Dressed bit
					11:00-11:15	Sampled 280'
11:15-12:30	285	Cemented Sand and Gravel			12:30-1:00	284' Casing OH Sampled 285'
1:00-2:15	290	" " " "			2:15-2:25	Sampled 290'
					2:25-3:00	Dressed Bit
3:00-4:30	295	Sand and silt and gravel particles			4:30-5:00	292' Casing OH Sampled 295'

REMARKS

BD-7800-052 (5 - 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 9, 10, 11, 12, 1957	295'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			300'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION

Drilled to 300' - started to drive casing to 300' when butt weld at 204' broke. Unable to drive casing further or to drill open hole. Pulled casing back and swedged out break. Waited for casing company representative to inspect and make decision. Decided to abandon this well and move up 20' to drill a new well. Have lost one month's time due to this delay.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 15, 1957	0'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Swain			25'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					1030-1430	Moved rig 20' and started a new well.
						Dressed bit and worked on rig.
1500	5'			Sand		
	10'			Gravel (Some cobbles)		
	15'			Sand and gravel		
	20'			Sand and gravel		
1815	25'			Sand and gravel		24' of casing over hole.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 16, 1957	24'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			72'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
0930-1800	24'-72'			Fine sand and silt with streaks of small gravel		64' of casing over hole.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 16, 1957	72'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			124'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
0950-1600	72' - 124'			Fine sand and silt		
						112' of casing over hole.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 18, 1957	124'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			180'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
0930-1730	124' to	180'		Fine sand and silt		
						168' of casing over hole.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 19, 1957	180'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Swain			202'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
0930-1015	184'			Fine sand and silt		
1015-1600	198'			Cemented sand and small gravel		
1600-1700	202'			Sand, silt, and clay		
						192' of casing over hole.

REMARKS

DRILLING · LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 20, 1957	202'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Smith			232'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
0915-1230	202' to	219'		Sand, silt, and clay		
1230-1600	219' to	232'		Cemented sand, silt, and gravel		
						224' of casing over hole.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 22, 1957	232'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			245'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
1000-1800	232' to 245'			Cemented Sand and gravel		
				with layers of clean large gravel (4")		
						240' of casing over hole.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 25, 1957	260'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Richards			265'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
1130-1430	265'			Cemented Sand		
					~~1222~~	
					1430-1630	Drilling plug out of casing
					1530-1540	8' casing welded (264' OH)

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 26, 1957	265'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Richards			280'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
0900-1215	270'			Cemented sand		
					1230-1315	Dressed bit
1315-1515	275'			Cemented sand		
					1515-1530	272' casing OH
1530-1700	280'			Cemented sand		

REMARKS

W-1731-D (-54) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 29, 1957	280'
DRILLER	FOREMAN	SHIFT	DEPTH COMPLETION OF SHIFT
Swain			295'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
1000-1700	280-295'			Cemented sand and small gravel		
						296' of pipe over hole.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 30, 1957	300' (595')
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Smith			310'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0945-1100	Took water sample (240') and dressed out bit.
1520	305'			Sand and gravel		
					1540-1555	Welded 8' casing (304' OH) and sampled
1745	310'			Sand and gravel		

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	July 31, 1957	310'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			320'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					1000-1230	Dressed cut bit - changed tools. Went after water.
					1300-1320	Welded 8' casing (312' OH) and sampled 310'
1430	315'			Sand and large gravel (3")	1430-1435	Sampled 315'
1535	320'			Sand & silt	1540-1555	Welded casing (320' OH) and sampled 20'
					1600	Cable crimped casing at 307' while driving last piece of casing. Will have to swedge.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	August 7, 1957	322'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			330

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0930-1230	Changed tools - swedged casing - changed tools back
1400	325'			Cemented sand and silt		
					1410-1415	Sampled 325'
1530	330'			Cemented sand and silt		
					1535-1555	Welded casing (328' OH) and sampled 330'
					1600-1730	Casing tight - won't drive - working to try and free it.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	August 3, 1957	
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			330'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0930-1700	Casing still frozen at 320'
						Still trying to free casing.

REMARKS

BD—7800—052 (3 — 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	August 5, 1957	325'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			330'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0915-1745	Finally freed casing and drove pipe to 324'.
						Have re-drilled back down to 330' - still in
						cemented sand and gravel.

REMARKS

BD-7800-052 (5 - 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	August 6, 1957	330'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			335'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
1245	335			Cemented sand and gravel (small)		
					1245-1330	Dressed out bit - welded casing 332' OH and sampled 335', while driving casing, cables rolled again at 308' so had to swedge for 2 hrs.
					1730-1800	Changed back to drill bit and started drilling again.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	August 7, 1957	335'
CRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			350'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
1530	340'			Cemented sand and gravel		
					1535	Sampled 340'
1700	345'			Sand and silt Small gravel-softer		
					1705	Sampled 345'
1800	350'			Same as above		
					1805	Sampled 350'
						332' of casing over hole.

REMARKS

BD—7800—052 (5 — 57) AEC-GE RICHLAND, WASH.

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	August 8, 1957	350'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			350'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					0900-1800	Reamed hole and worked with bit in bottom of drive shoe. Drove casing, but still going very tight. Cobbles rolling with casing, so left casing at 332' and got ready to perforate.

REMARKS

DRILLING LOG

PROJECT NO.

RIG NO.	WELL NO.	DATE	DEPTH BEGINNING OF SHIFT
2	699-32-70	August 9, 1957	350'
DRILLER	**FOREMAN**	**SHIFT**	**DEPTH COMPLETION OF SHIFT**
Swain			350'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
					1000-1800	Perforated Well 100' from 330' to 230' -
						water level after perforating 238'
						Made three cuts every foot. Moved to 200-W
				170		Area.
				232		
				132		

REMARKS

22 May 1974

DRILL LOG

BY	RIG	WELL NO.	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
[illegible]	22-[illegible]	[illegible]		[illegible]
DATE 22 MAY		DEPTH TO		SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Setting up drilling site.		
				Sample drilling at [illegible]	2	

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REMARKS:

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, ROUGHNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Failing out well from 22ft		
				Level off from 22ft to 25ft		
				Level section Build then begin		
				to begin soft clayish silts so		
				changed our Build to slower		
				and to hold down further.	8hrs	

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REMARKS:

DRILL LOG

BY	RIG	WELL NUMB.	COMPUTER NUMBER	PROJECT OR WORK NO.
[illegible]	[illegible]	[illegible]		[illegible]
DATE [illegible]		DEPTH TO		SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION (% EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.)	TIME	DRILLING COMMENTS
				Bailing out Fines		
				after Shooting Rigging		
				Down off well.		

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REMARKS:

DRILL LOG

BY	RIG	WELL NO.	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
[illegible]	[illegible]	[illegible]		[illegible]
DATE 26th Inst.		DEPTH TO		SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Trying out well with fast finish.		
				to try to gain further depth.		
				cannot gain any more depth.		
				will slot where required.		

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REMARKS:

Tues 28th May 1974

DRILL LOG

BY	RIG	WELL	COMPUTER NUMBER	PROJECT OR ORDER NO.
[illegible]	[illegible]	[illegible]		[illegible]
DATE: Tue 28th May		DEPTH: TO		SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				To the closing of hole beneath the Bailing out point	10	

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REMARKS:

DRILLING LOG

RIG NUMBER: 22-W	WELL NUMBER: 32-70	DATE: 3-21-80	PROJECT NUMBER
DRILLER: Mary Bultena	FOREMAN	SHIFT	DEPTH BEGINNING OF SHIFT
			DEPTH COMPLETION OF SHIFT

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
						moved rig to job site and set up pulled pump and brushed casing bailed on well set wooden plug in well
					8hrs	to swell

REMARKS

JAJ-107 (7-70) RICHLAND, WASH.

DRILLING LOG

RIG NUMBER 22-W	WELL NUMBER 32-70	DATE 3-24-80	PROJECT NUMBER Battelle
DRILLER MARV BULTENA	FOREMAN	SHIFT	DEPTH BEGINNING OF SHIFT
			DEPTH COMPLETION OF SHIFT

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
						plug hadn't set in well by end of day worked on
					8hrs	drill rig

REMARKS

JAJ-107 (7-70) RICHLAND, WASH.

DRILLING LOG

RIG NUMBER 22-W	WELL NUMBER 32-70	DATE 3-25-80	PROJECT NUMBER Battelle
DRILLER Marv Bultena	FOREMAN	SHIFT	DEPTH BEGINNING OF SHIFT
			DEPTH COMPLETION OF SHIFT

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
TIME	DEPTH	TIME	DEPTH		TIME	EXPLANATION
						set cement plug in
						well at 250 ft. decke
						down rig and get
					1½hrs	ready to move

REMARKS

JAJ-107 (7-70) RICHLAND, WASH.

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WORK ORDER NO.
Mark Butrena	22-W	32-70		SUBCONTRACT NO.
DATE 10-8-76		DEPTH TO		

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				moved to Job site		
				set up rig brushed		
				casing broke down		
				rig and got ready		
				to move w.L-211 ft.	5 hrs	

REMARKS:

A-5000-021 (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

6/18/1974

DRILL LOG	BY [illegible]	RIG [illegible] #5	WELL NUMBER [illegible]	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. [illegible]
	DATE 6/18/74		DEPTH TO		SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Moved rig to [illegible]		
				locks motor on [illegible]		
				for pump		
				started [illegible] pump		
					[illegible]	

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REMARKS:

DRILL LOG	BY [illegible] DATE [illegible]	RIG [illegible]	WELL NUMBER [illegible] DEPTH TO	COMPUTER NUMBER	PROJECT OR WORK ORDER NO. [illegible] SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				Finished [illegible] pump		
				well for development		
					[illegible]	[illegible]
					[illegible]	pump

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REMARKS:

DRILL LOG

BY	RIG	WELL NUMBER	COMPUTER NUMBER	PROJECT OR WO[illegible]ER NO.
Bishop	[illegible]	32-20		[illegible]
DATE [illegible]	[illegible]	DEPTH TO		SUBCONTRACT NO.

TOTAL CASING	DEPTH	DRILL METHOD	WET/DRY SAMPLE	LITHOLOGIC DESCRIPTION % EACH GRAIN SIZE, COLOR, ROUNDNESS, CALICHE, ETC.	TIME	DRILLING COMMENTS
				pulled pump from well		
				and moved equipment off		
				site		
					10:[illegible]	

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REMARKS: