AR TARGET SHEET

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

EDMC#:	0075657
SECTION:	2 OF 3
DOCUMENT #:	08-AMCP-0073
TITLE:	ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

699-36-61BQ
A9662

WELL ATTRIBUTES REPORT

WELL ID	A9662	**NORTHING**	134586.889	**FIELD ORDER NO**	
WELL NAME	699-36-61BQ	**EASTING**	571401.207	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A8573	**ELEVATION**	229.52	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	2/4/1960	**CONST DEPTH**	510
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

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

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

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

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

WELL ATTRIBUTES REPORT

WELL ID	A9662	**NORTHING**	134586.889	**FIELD ORDER NO**	
WELL NAME	699-36-61BQ	**EASTING**	571401.207	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A8573	**ELEVATION**	229.52	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	2/4/1960	**CONST DEPTH**	510

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

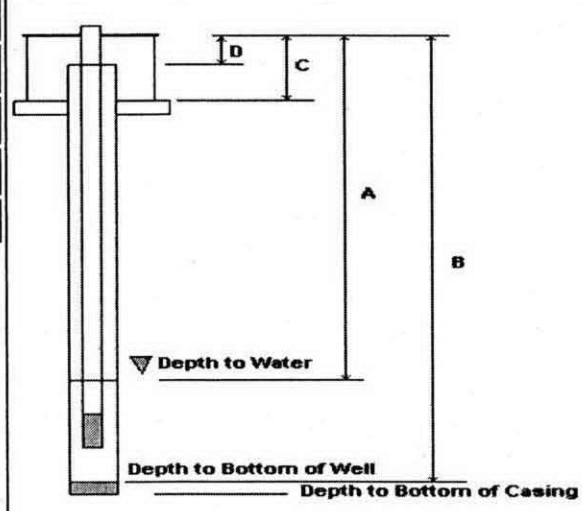
PERFORATION INFORMATION

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

CHANGES

Well ID A9662
Well Name 699-36-61BQ
Inspection ID: 2242
Inspection Date: 01/01/1801

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



WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-36-27		35913.00	532.32	655.0					
GW		-26551.00	6.0	142.0					
			6/80	129.0					GOLDER 70
699-36-46				312.0	P	1.5	300.0	310.0	
GW			1.5	310.0					
			5/66	301.0					
699-36-46P		36195.00	705.45	533.0	P	1.5	510.0	520.0	
GW		-45612.00	1.5	525.0					
B			4/66	300.1					
699-36-46Q		36234.00	704.66	452.0	P	1.5	440.0	450.0	
GW		-45607.00	1.5	450.0					
A			4/66	298.5					
699-36-46R		36273.00	705.13	382.0	P	1.5	370.0	380.0	
GW		-45603.00	1.5	380.0					
B			5/66	301.3					
699-36-46S		36313.00	704.33	312.0	P	1.5	300.0	310.0	
GW		-45599.00	1.5						
B			5/66						
699-36-58A		36290.00	735.96	360.0	S	8.0	317.0	360.0	SCREEN 317-360
GW		-57893.00	8.0	360.0					
			10/85	329.0					699-36-58, MW-10
699-36-61A		36365.00	748.11	390.0	P	8.0	330.0	389.0	CEMENT PLUG AT 363 FT.
GW		-60704.00	8.0	363.0					
S			8/48	342.0					35.5-60.5, 699-36-61
699-36-61B		36463.00	749.26	568.0	P	8.0	330.0	400.0	PIEZ. TUBES REMOVED 8/75.
				380.0					BRIDGE PLUG AT 380
				341.0					
				360.0	P	1.5	320.0	340.0	REMOVED
				361.0					
				568.0	P	1.5	548.0	568.0	REMOVED
				449.0					
				330.0					
699-36-61BQ		36463.00	749.52		P	1.5	480.0	500.0	REMOVED
AB		-60685.00	1.5						

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 - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A9662	699-36-61BQ	02/04/1960		568	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A9662	699-36-61BQ	USACE(JECA)	NAD83(91)	05/08/1993	UNKNOWN	134586.889	571401.207	m

WELL CONSTRUCTION AND COMPLETION SUMMARY

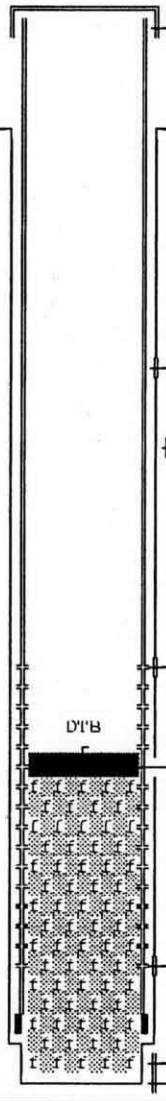
Drilling Method: Cable tool	Sample Method: Drive barrel / Hard tool	WELL NUMBER: 699-36-61B A8573
Drilling Fluid Used: Water	Additives Used: Not documented	TEMPORARY WELL NO:
Driller's Name: C Bach	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 36,463 E/W W 60,685
Drilling Company: Not documented	Company Location: Not documented	State Coordinates: N 441,609 E 2,234,547
Date Started: 30Nov59	Date Complete: 04Feb60	Start Card #: Not documented T 12N R 26N S 9L2
		Elevation Ground surface: 746.4-ft Estimated

Depth to water: 346-ft, 03Feb60
(Ground surface) 339.6-ft, 12Feb93

GENERALIZED STRATIGRAPHY — Driller's Log

0-15: SAND
15-40: Fine GRAVEL
40-45: Fine GRAVEL w/SILT
45-60: Coarse SAND
60-65: SAND
65-70: Coarse SAND
70-100: Fine SAND
100-130: SAND & SILT layers
130-150: Fine SAND
150-155: Fine SAND, one COBBLE
155-160: SILT
160-165: Hard SILT w/SAND
165-175: SAND & SILT
175-185: SILT & fine SAND
185-190: CLAY streaks
190-195: Fine GRAVEL
195-200: SILT
200-220: SILT & CLAY
220-230: SILT & SAND
230-240: SILT & CLAY
240-245: CLAY & SILT
245-250: SILT & CLAY
250-300: SAND & CLAY or SILT
300-315: SILT & CLAY
315-320: Fine GRAVEL
320-345: CLAY & GRAVEL (Cemented)
345-350: Fine hard SAND
350-360: GRAVEL
360-365: Mixed GRAVEL & CLAY
365-380: Heaving SAND w/water
380-390: SAND & CLAY w/COBBLES
390-405: SAND w/CLAY
405-415: Yellow CLAY
415-440: Blue CLAY
440-445: Black SAND & CLAY
445-448: Black SAND
448-475: Blue CLAY
475-500: Blue CLAY, GRAVEL
500-525: Hard cemented GRAVEL
525-535: Fine SAND
535-550: Hard packed GRAVEL
550-568: BASALT ROCK

REMEDIATIONS:
Jun64 by Storey/Vincent
Perforated and installed piezometers.
Top of sand pack @ 380-ft.
Not documented
Removed piezometers



Elevation of reference point: [749.26-ft]
(top of casing)
Height of reference point above ground surface [2.8-ft]

Depth of surface seal [ND]
No surface seal documented:

8-in ID carbon steel casing, +2.8-550-ft

9-in nominal hole, 0-550-ft

8-in casing perforations,
330-360-ft, 6 cuts/ft
360-380-ft, 1 cut/ft
380-400-ft, 6 cuts/ft
400-505-ft, not documented

Wood and cement plug @ 380-ft

DTB=Depth to bottom,
378.5-ft, 12Feb93

8-in nominal hole, 550-568-ft

Borehole drilled depth: [568-ft]

Aug75 by M Bultena
Cleaned to ~425-ft
Apr78 by M Bultena
Set wood and cement plug @ 380-ft

Drawing By: RKL/6N36W61B.ASB
Date : 19Sep94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-36-61B

WELL DESIGNATION	:	699-36-61B
RCRA FACILITY	:	Proposed ERSDF
CERCLA UNIT	:	Not applicable
HANFORD COORDINATES	:	N 36,463 W 60,685 [Hanford Wells]
LAMBERT COORDINATES	:	N 441,609 E 2,234,547 [HANCONV]
DATE DRILLED	:	Feb60
DEPTH DRILLED (GS)	:	568.0-ft
MEASURED DEPTH (GS)	:	378.5-ft, 12Feb93
DEPTH TO WATER (GS)	:	346.0-ft, 03Feb60; 339.6-ft, 12Feb93
CASING DIAMETER	:	8-in, Carbon steel, +2.8-550-ft
ELEV TOP CASING	:	749.26-ft
ELEV GROUND SURFACE	:	746.4-ft, Estimated
PERFORATED INTERVAL	:	330-505-ft,
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	FIELD INSPECTION, 12Feb93, 8-in carbon steel casing. Capped and locked No pad, posts or permanent identification. Not in radiation zone. OTHER;
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Water levels measured, 27Jun61-17Sep91;
CURRENT USER	:	PNL sitewide sampling 93
PUMP TYPE	:	None
MAINTENANCE	:	

699-36-61BR
A9663

WELL ATTRIBUTES REPORT

WELL ID	A9663	**NORTHING**	134586.889	**FIELD ORDER NO**	
WELL NAME	699-36-61BR	**EASTING**	571401.207	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A8573	**ELEVATION**	229.52	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	2/4/1960	**CONST DEPTH**	440
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		**CURRENT INSPECTION INFORMATION**	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	412	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A9663	**NORTHING**	134586.889	**FIELD ORDER NO**	
WELL NAME	699-36-61BR	**EASTING**	571401.207	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A8573	**ELEVATION**	229.52	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	2/4/1960	**CONST DEPTH**	440

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

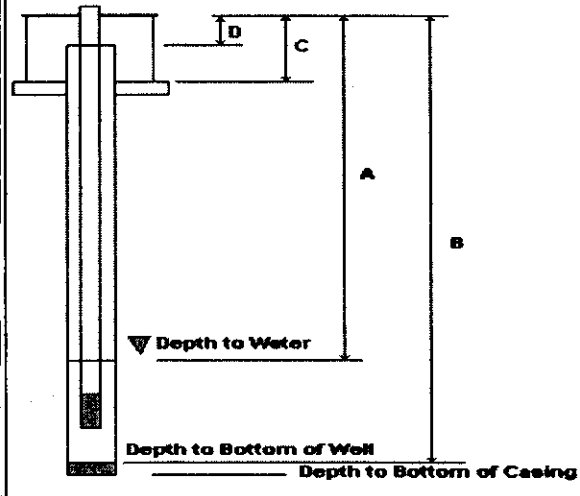
PERFORATION INFORMATION

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

CHANGES

Well ID A9663
Well Name 699-36-61BR
Inspection ID: 2243
Inspection Date: 01/01/1801

INSPECTION INFORMATION		PUMP INFORMATION	
Well Pad	☐ Yes ☐ No ☑ ND*	Pump Activity Performed	
Brass Survey Marker	☐ Yes ☐ No ☑ ND*	Activity Performed By	ND*
Marker Stamped w/Survey Data	☐ Yes ☐ No ☑ ND*	Date Activity Performed	
Marker Stamped w/Well ID Data	☐ Yes ☐ No ☑ ND*	Pump Tested	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well ID	☐ Yes ☐ No ☑ ND*	New Pump	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well Name	☐ Yes ☐ No ☑ ND*	Pump Type	ND*
Protective Posts	☐ Yes ☐ No ☑ ND*	Pump Make	ND*
Removable Posts in Place	☐ Yes ☐ No ☑ ND*	Pump Model	ND*
Well Lock	☐ Yes ☐ No ☑ ND*	Pump Intake Depth (ft)	
Well Damaged	☐ Yes ☐ No ☑ ND*	**TUBING INFORMATION**	
Well is Dry	☐ Yes ☐ No ☑ ND*	Tubing Size (in)	
Parted Casing	☐ Yes ☐ No ☑ ND*	Tubing Material	ND*
Bentonite in Well	☐ Yes ☐ No ☑ ND*	Tubing Length	
Well Sanded In	☐ Yes ☐ No ☑ ND*	Tubing Connection	ND*
Collapsed Casing	☐ Yes ☐ No ☑ ND*		
Equipment in Well	☐ Yes ☐ No ☑ ND*		
Debris in Well	☐ Yes ☐ No ☑ ND*		
Surface Erosion	☐ Yes ☐ No ☑ ND*		
MEASUREMENT INFORMATION			
A Depth to Water (ft)			
Depth To Water Date			
B Depth to Bottom (ft)	412		
Depth to Bottom Date			
C Stick Up (ft)			
D Reference Mark (ft)			
Reference Mark in TOC	☐ Yes ☐ No ☑ ND*		



ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-36-61BR		36463.00	749.52	440.0	P	1.5	420.0	440.0	REMOVED
AB		-60685.00	1.5	412.0					
			6/64						
				700.0	P	8.0	175.0	625.0	CEMENT PLUG 220'; PIEZOMETERS
				220.0					REMOVED 3/74
				190.0					
				200.0	P	1.5	190.0	200.0	PIEZOMETER TUBES REMOVED DOWN
				1094.0					TO 475 FT.
				705.0	P	1.5	695.0	705.0	PIEZOMETER TUBES REMOVED DOWN
				164.0					TO 475 FT.
			6/64						
699-36-93Q		36000.00	645.03		P	1.5	610.0	620.0	PIEZOMETER TUBES REMOVED DOWN
AB		-93000.00	1.5	542.0					TO 475 FT.
				181.0					
699-36-93R		36000.00	645.02	540.0	P	1.5	530.0	540.0	PIEZOMETER TUBES REMOVED DOWN
AB		-93000.00	1.5	526.0					TO 475 FT.
			6/64	130.0					
699-36-93S		36000.00	645.09	460.0	P	1.5	450.0	460.0	PIEZOMETER TUBES REMOVED DOWN
AB		-93000.00	1.5	450.0					TO 475 FT.
			6/64	118.0					
699-36-93T		36000.00	645.01	400.0	P	1.5	390.0	400.0	PIEZOMETER TUBES REMOVED DOWN
AB		-93000.00	1.5	380.0					TO 475 FT.
			6/64	118.0					
699-37-E4		36993.00	387.09	100.0	S	6.0	83.0	98.0	SCREEN 82-98
GW		3609.00	6.0	98.0					
S			7/82	26.0					699-39-E3
699-37-E1		36953.00	460.44						
GW		1273.00	6.0	166.0					
			12/80						699-37-1, GOLDER
699-37-4		36816.00	488.87	279.0					
SW		-4417.00	6.0						
			12/81						GOLDER 101
699-37-16		36812.00	440.48	175.0					
SW		-16491.00	6.0						
			2/80						GOLDER 18

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

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A9663	699-36-61BR	02/04/1960		568	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A9663	699-36-61BR	USACE(JECA)	NAD83(91)	05/08/1993	UNKNOWN	134586.889	571401.207	m

WELL CONSTRUCTION AND COMPLETION SUMMARY

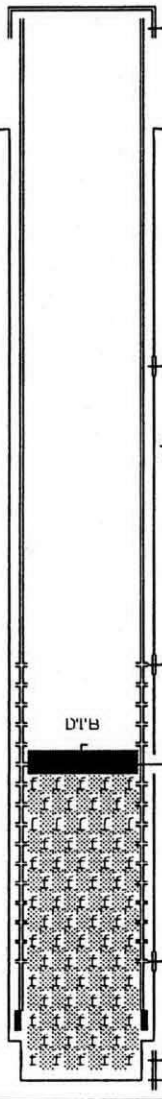
Drilling Method: Cable tool	Sample Drive barrel Method: Hard tool	WELL NUMBER: 699-36-61B A8573
Drilling Fluid Used: Water	Additives Used: Not documented	TEMPORARY WELL NO:
Driller's Name: C Bach	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 36,463 E/W W 60,685
Drilling Company: Not documented	Company Location: Not documented	State Coordinates: N 441,609 E 2,234,547
Date Started: 30Nov59	Date Complete: 04Feb60	Start Card #: Not documented T 12N R 26N S 9L2
		Elevation Ground surface: 746.4-ft Estimated

Depth to water: 346-ft, 03Feb60
(Ground surface) 339.6-ft, 12Feb93

GENERALIZED STRATIGRAPHY — Driller's Log

0-15: SAND
15-40: Fine GRAVEL
40-45: Fine GRAVEL w/SILT
45-60: Coarse SAND
60-65: SAND
65-70: Coarse SAND
70-100: Fine SAND
100-130: SAND & SILT layers
130-150: Fine SAND
150-155: Fine SAND, one COBBLE
155-160: SILT
160-165: Hard SILT w/SAND
165-175: SAND & SILT
175-185: SILT & fine SAND
185-190: CLAY streaks
190-195: Fine GRAVEL
195-200: SILT
200-220: SILT & CLAY
220-230: SILT & SAND
230-240: SILT & CLAY
240-245: CLAY & SILT
245-250: SILT & CLAY
250-300: SAND & CLAY or SILT
300-315: SILT & CLAY
315-320: Fine GRAVEL
320-345: CLAY & GRAVEL (Cemented)
345-350: Fine hard SAND
350-360: GRAVEL
360-365: Mixed GRAVEL & CLAY
365-380: Heaving SAND w/water
380-390: SAND & CLAY w/COBBLES
390-405: SAND w/CLAY
405-415: Yellow CLAY
415-440: Blue CLAY
440-445: Black SAND & CLAY
445-448: Black SAND
448-475: Blue CLAY
475-500: Blue CLAY, GRAVEL
500-525: Hard cemented GRAVEL
525-535: Fine SAND
535-550: Hard packed GRAVEL
550-568: BASALT ROCK

REMEDIATIONS:
Jun64 by Storey/Vincent
Perforated and installed piezometers.
Top of sand pack @ 380-ft.
Not documented
Removed piezometers



- Elevation of reference point: [749.26-ft] (top of casing)
- Height of reference point above ground surface [2.8-ft]
- Depth of surface seal [ND] No surface seal documented:
- 8-in ID carbon steel casing, +2.8-550-ft
- 9-in nominal hole, 0-550-ft
- 8-in casing perforations, 330-360-ft, 6 cuts/ft; 360-380-ft, 1 cut/ft; 380-400-ft, 6 cuts/ft; 400-505-ft, not documented
- Wood and cement plug @ 380-ft
- DTB=Depth to bottom, 378.5-ft, 12Feb93
- 8-in nominal hole, 550-568-ft
- Borehole drilled depth: [568-ft]
- Aug75 by M Bultena Cleaned to ~425-ft Apr78 by M Bultena Set wood and cement plug @ 380-ft

Drawing By: RKL/6N36W61B.ASB
Date : 19Sep94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-36-61B

WELL DESIGNATION	:	699-36-61B
RCRA FACILITY	:	Proposed ERSDF
CERCLA UNIT	:	Not applicable
HANFORD COORDINATES	:	N 36,463 W 60,685 [Hanford Wells]
LAMBERT COORDINATES	:	N 441,609 E 2,234,547 [HANCONV]
DATE DRILLED	:	Feb60
DEPTH DRILLED (GS)	:	568.0-ft
MEASURED DEPTH (GS)	:	378.5-ft, 12Feb93
DEPTH TO WATER (GS)	:	346.0-ft, 03Feb60; 339.6-ft, 12Feb93
CASING DIAMETER	:	8-in, Carbon steel, +2.8-550-ft
ELEV TOP CASING	:	749.26-ft
ELEV GROUND SURFACE	:	746.4-ft, Estimated
PERFORATED INTERVAL	:	330-505-ft,
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	FIELD INSPECTION, 12Feb93, 8-in carbon steel casing. Capped and locked No pad, posts or permanent identification. Not in radiation zone. OTHER;
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Water levels measured, 27Jun61-17Sep91;
CURRENT USER	:	PNL sitewide sampling 93
PUMP TYPE	:	None
MAINTENANCE	:	

699-38-65O
A9685

WELL ATTRIBUTES REPORT

WELL ID	A9685	**NORTHING**	135039.847	**FIELD ORDER NO**	
WELL NAME	699-38-65O	**EASTING**	570090.185	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5148	**ELEVATION**	230.761	**CONST DATE**	4/30/1965
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1959	**CONST DEPTH**	350
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		**CURRENT INSPECTION INFORMATION**	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	351	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A9685	**NORTHING**	135039.847	**FIELD ORDER NO**	
WELL NAME	699-38-65O	**EASTING**	570090.185	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5148	**ELEVATION**	230.761	**CONST DATE**	4/30/1965
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1959	**CONST DEPTH**	350

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

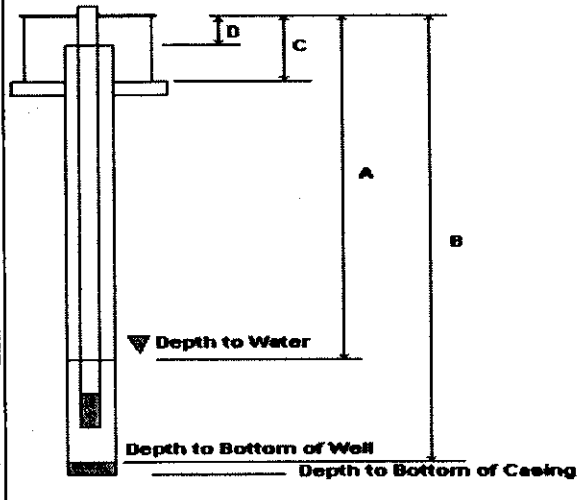
PERFORATION INFORMATION

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

CHANGES

Well ID A9685
Well Name 699-38-65O
Inspection ID: 758
Inspection Date: 01/01/1801

INSPECTION INFORMATION		PUMP INFORMATION	
Well Pad	☐ Yes ☐ No ☑ ND*	Pump Activity Performed	
Brass Survey Marker	☐ Yes ☐ No ☑ ND*	Activity Performed By	ND*
Marker Stamped w/Survey Data	☐ Yes ☐ No ☑ ND*	Date Activity Performed	
Marker Stamped w/Well ID Data	☐ Yes ☐ No ☑ ND*	Pump Tested	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well ID	☐ Yes ☐ No ☑ ND*	New Pump	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well Name	☐ Yes ☐ No ☑ ND*	Pump Type	ND*
Protective Posts	☐ Yes ☐ No ☑ ND*	Pump Make	ND*
Removable Posts in Place	☐ Yes ☐ No ☑ ND*	Pump Model	ND*
Well Lock	☐ Yes ☐ No ☑ ND*	Pump Intake Depth (ft)	
Well Damaged	☐ Yes ☐ No ☑ ND*	**TUBING INFORMATION**	
Well is Dry	☐ Yes ☐ No ☑ ND*	Tubing Size (in)	
Parted Casing	☐ Yes ☐ No ☑ ND*	Tubing Material	ND*
Bentonite in Well	☐ Yes ☐ No ☑ ND*	Tubing Length	
Well Sanded In	☐ Yes ☐ No ☑ ND*	Tubing Connection	ND*
Collapsed Casing	☐ Yes ☐ No ☑ ND*		
Equipment in Well	☐ Yes ☐ No ☑ ND*		
Debris in Well	☐ Yes ☐ No ☑ ND*		
Surface Erosion	☐ Yes ☐ No ☑ ND*		
MEASUREMENT INFORMATION			
A Depth to Water (ft)			
Depth To Water Date			
B Depth to Bottom (ft)	351		
Depth to Bottom Date			
C Stick Up (ft)			
D Reference Mark (ft)			
Reference Mark in TOC	☐ Yes ☐ No ☑ ND*		



ND* - Not Documented

NON-ROUTINE
WELL MAINTENANCE ORDER

FIELD ORDER NO	WMO-NR-2002-2-158	**SCHEDULED BEGIN/END DATE**	3/27/200 - 4/10/2002
WELL ID	A5148	**PURGE WATER CONTAINMENT**	CONTAIN
WELL NAME	699-38-65	**REGULATED TRUCK REQUIRED**	NOT REQUIRED
CONTRACT NO	0000X-SC-G0096	**HPT/RPT COVERAGE**	NOT REQUIRED

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

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

SPECIAL INSTRUCTIONS
NONE

HWMRA 4/12 JLB 3/29/02

Groundwater contact waste is not generated with this activity

300.1	Repair or replace discharge assembly.
TASK WAS ☒ **COMPLETED** ☐ **CANCELED**	**Comment**
DATE WORK COMPLETED/CANCELED 4-11-02	
INITIALS RZS	

S.H. Worley	S.H. WORLEY	APR 19 2002
Subcontractor Authorized Signature	Print Name	Date
E.C. Rafuse	E.C. Rafuse	04/22/02
BHI Field Services Authorized Signature	Print Name	Date

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2002-2-158			LAST INSPECTION	12/18/2000
WELL ID	A5148	DRILL DATE	12/31/1959	NORTHING	
WELL NAME	699-38-65	CONST DATE		EASTING	
HOST WELL ID		CONST DEPTH		ELEVATION	

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

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☑ INSTALLED ☐ REPLACED ☐ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☑ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	Coffman, RT	ACTIVITY PEFORMED BY	RZ Steffler
DATE ACTIVITY PERFORMED	12/5/2000	DATE ACTIVITY PERFORMED	4-11-02
PUMP TYPE	SUBMERSIBLE	PUMP TYPE	Electric
PUMP MAKE	GRUNDFOS	PUMP MAKE	
PUMP MODEL	3/4 hp	PUMP MODEL	
PUMP INTAKE DEPTH (ft)	343.15	PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)	1.5	TUBING SIZE (in)	
TUBING MATERIAL	ABS	TUBING MATERIAL	
TUBING LENGTH (ft)	342.1	TUBING LENGTH (ft)	
TUBING CONNECTION	THREADED	TUBING CONNECTION	

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

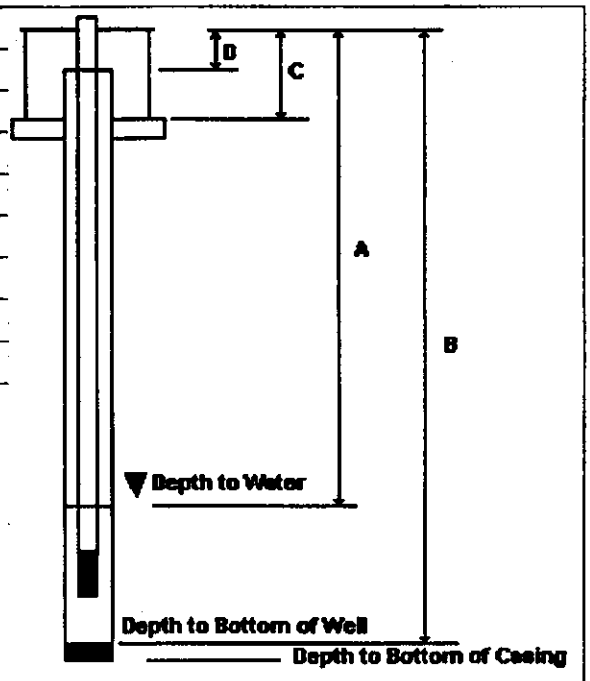
3/19/2002

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2002-2-158			LAST INSPECTION	12/18/2000
WELL ID	A5148	DRILL DATE	12/31/1959	NORTHING	
WELL NAME	699-38-65	CONST DATE		EASTING	
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)	329.71	
	DEPTH TO WATER DATE	12/5/2000	
B	DEPTH TO BOTTOM(ft)	393.28	
	DEPTH TO BOTTOM DATE	12/5/2000	
C	STICK UP(ft)	2.25	
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

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

3/19/2002

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2002-2-158			LAST INSPECTION	12/18/2000
WELL ID	A5148	DRILL DATE	12/31/1959	NORTHING	
WELL NAME	699-38-65	CONST DATE		EASTING	
HOST WELL ID		CONST DEPTH		ELEVATION	

PIEZOMETER Q:

PIEZOMETER INFORMATION

THE PIEZOMETER IS	☐ PRESENT	☐ MISSING
	☐ LABELED	☐ NOT LABELED

CHANGES

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

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

WELL ATTRIBUTES REPORT

FIELD ORDER NO	WMO-NR-2002-2-158			LAST INSPECTION	12/18/2000
WELL ID	A5148	DRILL DATE	12/31/1959	NORTHING	
WELL NAME	699-38-65	CONST DATE		EASTING	
HOST WELL ID		CONST DEPTH		ELEVATION	

PIEZOMETER O:

PIEZOMETER INFORMATION

THE PIEZOMETER IS	☐ PRESENT	☐ MISSING
	☐ LABELED	☐ NOT LABELED

CHANGES

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

PIEZOMETER P:

PIEZOMETER INFORMATION

THE PIEZOMETER IS	☐ PRESENT	☐ MISSING
	☐ LABELED	☐ NOT LABELED

CHANGES

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

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

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
699-38-E0		37750.00	469.63	270.0					
GW		375.00	6.0	110.0					
			6/80	105.0					GOLDER 55
699-38-3		38061.00	499.40	267.0					
SW		-2851.00	6.0						
			11/80						GOLDER 102
699-38-8		38467.00							
SW		-7639.00	6.0						
			2/81						GOLDER 122A
699-38-9		37754.00	503.63	545.0					
SW		-8541.00	6.0	87.0					
			12/80						GOLDER 113
699-38-14		37501.00	455.45						
SW		-14439.00	6.0						
			12/79						GOLDER 4A
699-38-15		37544.00	454.75	490.0	P	6.0	60.0	80.0	GOLDER #4
GW		-14505.00	6.0	136.0					
S			12/79	64.0					GOLDER 4
699-38-19		38237.00	462.18	521.0					
GW		-18504.00	6.0	92.0					
			3/80	67.0					GOLDER 27
699-38-34A		38231.00		375.0					
				128.0					
									GOLDER 46
									699-38-34, GOLDER
				536.0	P	8.0	220.0	520.0	PVC TUBES OUT 7/75. STEEL TUBE
				395.0					INSTALLED 3/77. PLUG AT 440
699-38-65O		37965.00	753.59	350.0	P	1.5	320.0	340.0	REMOVED
AB		-64978.00	1.5	351.0					
			4/65						
699-38-65P		37965.00	753.33	510.0	P	1.5	500.0	510.0	60 SLOT SCREEN
GW		-64978.00	1.5	510.0					
			4/77						

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

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A9685	699-38-65O	USACE(JECA)	NAD83(91)	05/08/1993	UNKNOWN	135039.847	570090.185	m

WELL CONSTRUCTION AND COMPLETION SUMMARY

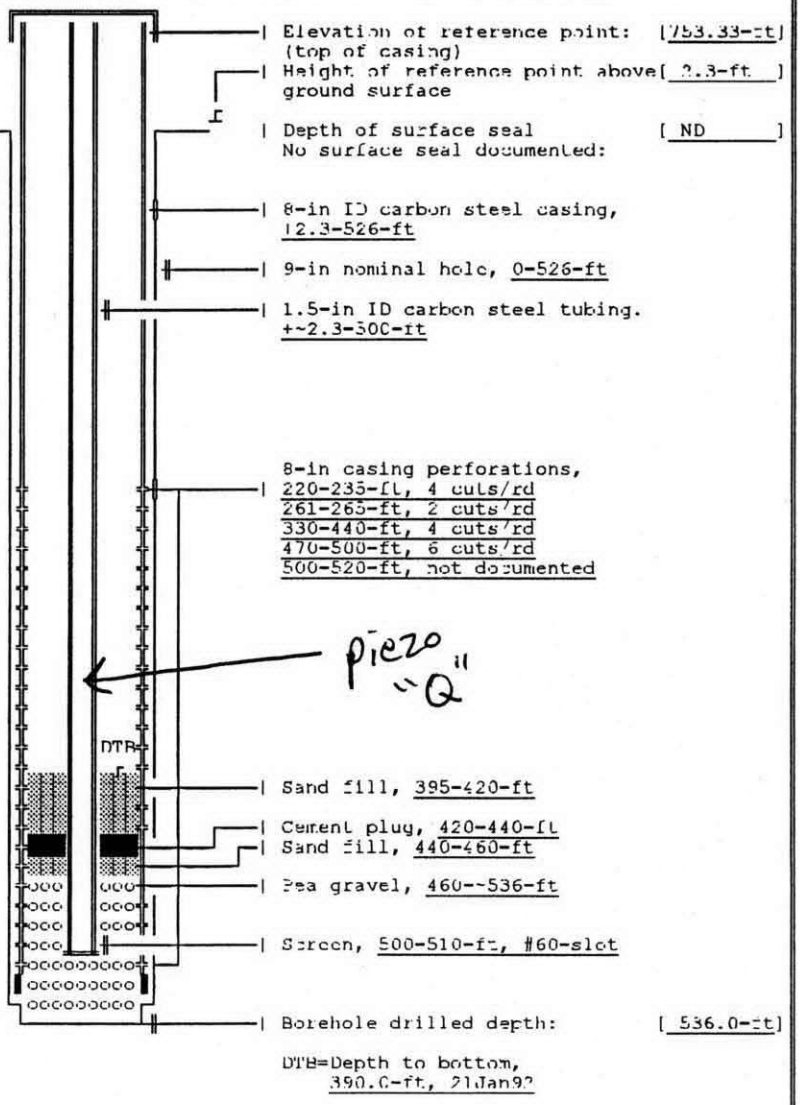
Drilling Method: Cable tool	Sample Method: Drive barrel / Hard tool	WELL NUMBER: 699-38-65 A5148
Drilling Fluid Used: Water	Additives Used: Not documented	TEMPORARY WELL NO:
Driller's Name: M Dawson/C Bach	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 37,965 E/W W 64,978
Drilling Company: Not documented	Company Location: Not documented	State Coordinates: N 443,100 E 2,230,250
Date Started: 12Sep59	Date Complete: 06Dec59	Start Card #: Not documented T 12N R 26E S 8B1
		Elevation Ground surface: 751.0-ft Estimated

Depth to water: 320-ft 06Dec59
(Ground surface) 325.2-ft 02Jun94

GENERALIZED STRATIGRAPHY — Driller's Log

0-15: Gravelly SAND
15-85: Sandy SILT
85-115: Silty SAND
115-140: Sandy SILT
140-205: Silty SAND (Hard packed)
205-208: Silty SAND (Soft)
208-221: Silty SAND (Hard packed)
221-234: Water bearing SAND
234-250: Hard packed SILT
250-261: SAND, COBBLES, GRAVEL
261-265: Water bearing heaving SAND
265-275: Sandy SILT
275-282: Silty SAND
282-345: Sandy GRAVEL
345-360: Water bearing SAND & GRAVEL
360-385: Sandy silty GRAVEL
385-395: Heaving SAND, GRAVEL
395-406: Brown CLAY w/fine GRAVEL
406-440: Blue CLAY
440-443: Sandy CLAY
443-450: GRAVEL, water bearing
450-455: GRAVEL & black SAND
455-460: GRAVEL & colored SAND
460-465: Gray SAND
465-484: Gray SAND & GRAVEL
484-494: Basalt GRAVEL
494-495: SAND & basalt GRAVEL
495-505: Basalt GRAVEL
505-526: Basalt GRAVEL, some SAND
526-536: BASALT

REMEDIATION:
Jun64 by Vincent
Installed two gravel packed piezometers, total 997-ft.
Jul75 by M Bultena
Cleaned well to bottom.
Removed piezometers.
Mar77 by M Bultena
Installed piezometer #60-slot screen 500-510-ft. Backfilled with pea gravel to 460-ft with pea gravel. Placed sand from 440-460-ft and cemented 420-440-ft. Filled with sand 395-420-ft.



Drawing By: RKL/6N38W65.ASB
Date : 28Jul94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-38-65

WELL DESIGNATION	:	699-38-65
RCRA FACILITY	:	Proposed ERSDF
CERCLA UNIT	:	Not applicable
HANFORD COORDINATES	:	N 37,965 W 64,978 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 443,100 E 2,230,250 [HANCONV]
DATE DRILLED	:	Dec59
DEPTH DRILLED (GS)	:	536-ft
MEASURED DEPTH (GS)	:	390.0-ft, 21Jan92
DEPTH TO WATER (GS)	:	320-ft, 06Dec59; 322.9-ft, 02Jun94
CASING DIAMETER	:	8-in, carbon steel, +2.3-526-ft; P piezometer=1#-in carbon or galvanized steel, ~+2.3-465-ft
ELEV TOP OF CASING	:	753.33-ft [Hanford Wells]
ELEV GROUND SURFACE	:	751.0-ft, Estimated
PERFORATED INTERVAL	:	220-520-ft
SCREENED INTERVAL	:	500-510-ft as P piezometer, #60-slot,
COMMENTS	:	FIELD INSPECTION, 21Jan92, 8-in carbon steel casing. Capped and locked No pad, posts or permanent identification. Not in radiation zone. OTHER:
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Sitewide semiannual water level measurement, 28Dec59-02Jun94,
CURRENT USER	:	WHC ES&M w/l monitoring, PNL sitewide sampling, w/l monitoring and characterization
PUMP TYPE	:	Electric submersible
MAINTENANCE	:	

699-38-65P
A9686

WELL ATTRIBUTES REPORT

WELL ID	A9686	**NORTHING**	135039.847	**FIELD ORDER NO**	
WELL NAME	699-38-65P	**EASTING**	570090.185	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5148	**ELEVATION**	230.682	**CONST DATE**	4/30/1977
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1959	**CONST DEPTH**	510
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

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

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

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

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	510	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A9686	**NORTHING**	135039.847	**FIELD ORDER NO**	
WELL NAME	699-38-65P	**EASTING**	570090.185	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5148	**ELEVATION**	230.682	**CONST DATE**	4/30/1977
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1959	**CONST DEPTH**	510

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

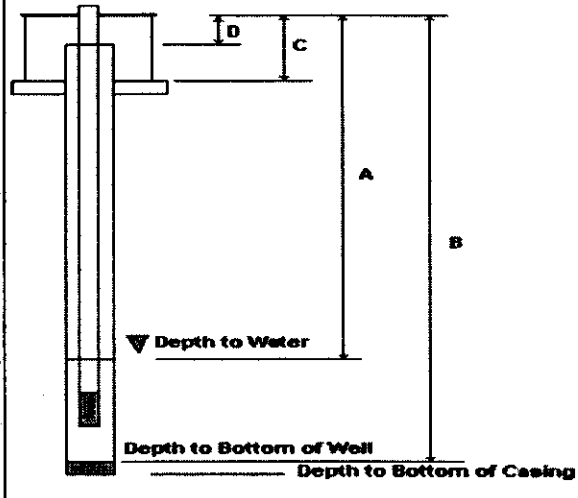
PERFORATION INFORMATION

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

CHANGES

Well ID A9686
Well Name 699-38-65P
Inspection ID: 2199
Inspection Date: 01/01/1801

INSPECTION INFORMATION		PUMP INFORMATION	
Well Pad	☐ Yes ☐ No ☑ ND*	Pump Activity Performed	
Brass Survey Marker	☐ Yes ☐ No ☑ ND*	Activity Performed By	ND*
Marker Stamped w/Survey Data	☐ Yes ☐ No ☑ ND*	Date Activity Performed	
Marker Stamped w/Well ID Data	☐ Yes ☐ No ☑ ND*	Pump Tested	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well ID	☐ Yes ☐ No ☑ ND*	New Pump	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well Name	☐ Yes ☐ No ☑ ND*	Pump Type	ND*
Protective Posts	☐ Yes ☐ No ☑ ND*	Pump Make	ND*
Removable Posts in Place	☐ Yes ☐ No ☑ ND*	Pump Model	ND*
Well Lock	☐ Yes ☐ No ☑ ND*	Pump Intake Depth (ft)	
Well Damaged	☐ Yes ☐ No ☑ ND*	**TUBING INFORMATION**	
Well is Dry	☐ Yes ☐ No ☑ ND*	Tubing Size (in)	
Parted Casing	☐ Yes ☐ No ☑ ND*	Tubing Material	ND*
Bentonite in Well	☐ Yes ☐ No ☑ ND*	Tubing Length	
Well Sanded In	☐ Yes ☐ No ☑ ND*	Tubing Connection	ND*
Collapsed Casing	☐ Yes ☐ No ☑ ND*		
Equipment in Well	☐ Yes ☐ No ☑ ND*		
Debris in Well	☐ Yes ☐ No ☑ ND*		
Surface Erosion	☐ Yes ☐ No ☑ ND*		
MEASUREMENT INFORMATION			
A Depth to Water (ft)			
Depth To Water Date			
B Depth to Bottom (ft)	510		
Depth to Bottom Date			
C Stick Up (ft)			
D Reference Mark (ft)			
Reference Mark in TOC	☐ Yes ☐ No ☑ ND*		



ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-38-E0		37750.00	469.63	270.0					
GW		375.00	6.0	110.0					
			6/80	105.0					GOLDER 55
699-38-3		38061.00	499.40	267.0					
SW		-2851.00	6.0						
			11/80						GOLDER 102
699-38-8		38467.00							
SW		-7639.00	6.0						
			2/81						GOLDER 122A
699-38-9		37754.00	503.63	545.0					
SW		-8541.00	6.0	87.0					
			12/80						GOLDER 113
699-38-14		37501.00	455.45						
SW		-14439.00	6.0						
			12/79						GOLDER 4A
699-38-15		37544.00	454.75	490.0	P	6.0	60.0	80.0	GOLDER #4
GW		-14505.00	6.0	136.0					
S			12/79	64.0					GOLDER 4
699-38-19		38237.00	462.18	521.0					
GW		-18504.00	6.0	92.0					
			3/80	67.0					GOLDER 27
699-38-34A		38231.00		375.0					
SW		-34136.00	6.0	128.0					
			12/80						GOLDER 46
699-38-34B		38231.00	529.49						
									699-38-34, GOLDER
				536.0	P	8.0	220.0	520.0	PVC TUBES OUT 7/75. STEEL TUBE
				395.0					INSTALLED 3/77. PLUG AT 440
				350.0	P	1.5	320.0	340.0	REMOVED
				351.0					
699-38-65P		37965.00	753.33	510.0	P	1.5	500.0	510.0	60 SLOT SCREEN
GW		-64978.00	1.5	510.0					
			4/77						

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

Weekes, David C

From: Worley, Scott H
Sent: Tuesday, August 14, 2007 7:08 AM
To: Weekes, David C; Howard, Bonnie J
Subject: FW: 699-38-65 Pizo or NO piezo?

From: Rafuse, Edward C
Sent: Monday, August 13, 2007 3:37 PM
To: Worley, Scott H
Subject: RE: 699-38-65 Pizo or NO piezo?

Scott,

It has piezo "Q" which is greater than 500 feet. Also has submersible pump with ABS piping to 391.75 feet or bottom of the host well. ED

From: Worley, Scott H
Sent: Monday, August 13, 2007 2:20 PM
To: Rafuse, Edward C; Gostovich, Dale E
Cc: Weekes, David C
Subject: 699-38-65 Pizo or NO piezo?

ld one of you answer this question? Does 699-38-65 have a Piezo "P", or any others in this 8" casing?

Your support and response is greatly appreciated!

Scott Worley

WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: M Dawson/C Bach
Drilling Company: Not documented
Date Started: 12Sep59

Sample Method: Drive barrel / Hard tool
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 06Dec59

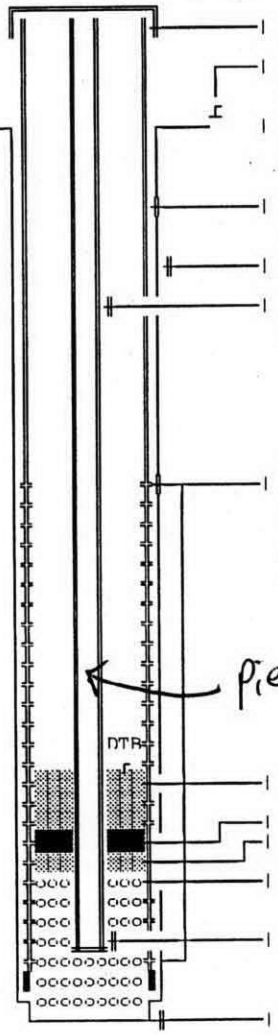
WELL NUMBER: 699-38-65 A5148
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 37,965 E/W W 64,978
State Coordinates: N 443,100 E 2,230,250
Start Card #: Not documented T 12N R 26E S 8B1
Elevation Ground surface: 751.0-ft Estimated

Depth to water: 320-ft 06Dec59
(Ground surface) 325.2-ft 02Jun94

GENERALIZED STRATIGRAPHY — Driller's Log

0-15: Gravelly SAND
15-85: Sandy SILT
85-115: Silty SAND
115-140: Sandy SILT
140-205: Silty SAND (Hard packed)
205-208: Silty SAND (Soft)
208-221: Silty SAND (Hard packed)
221-234: Water bearing SAND
234-250: Hard packed SILT
250-261: SAND, COBBLES, GRAVEL
261-265: Water bearing heaving SAND
265-275: Sandy SILT
275-282: Silty SAND
282-345: Sandy GRAVEL
345-360: Water bearing SAND & GRAVEL
360-385: Sandy silty GRAVEL
385-395: Heaving SAND, GRAVEL
395-406: Brown CLAY w/fine GRAVEL
406-440: Blue CLAY
440-443: Sandy CLAY
443-450: GRAVEL, water bearing
450-455: GRAVEL & black SAND
455-460: GRAVEL & colored SAND
460-465: Gray SAND
465-484: Gray SAND & GRAVEL
484-494: Basalt GRAVEL
494-495: SAND & basalt GRAVEL
495-505: Basalt GRAVEL
505-526: Basalt GRAVEL, some SAND
526-536: BASALT

REMEDIATION:
Jun64 by Vincent
Installed two gravel packed piezometers, total 997-ft.
Jul75 by M Bultena
Cleaned well to bottom.
Removed piezometers.
Mar77 by M Bultena
Installed piezometer #60-slot screen 500-510-ft. Backfilled with pea gravel to 460-ft with pea gravel. Placed sand from 440-460-ft and cemented 420-440-ft. Filled with sand 395-420-ft.



Elevation of reference point: [753.33-ft]
(top of casing)
Height of reference point above ground surface [2.3-ft]

Depth of surface seal [ND]
No surface seal documented:

8-in ID carbon steel casing, 12.3-526-ft

9-in nominal hole, 0-526-ft

1.5-in ID carbon steel tubing. +~2.3-500-ft

8-in casing perforations,
220-235-ft, 4 cuts/rd
261-265-ft, 2 cuts/rd
330-440-ft, 4 cuts/rd
470-500-ft, 6 cuts/rd
500-520-ft, not documented

Sand fill, 395-420-ft

Cement plug, 420-440-ft

Sand fill, 440-460-ft

Pea gravel, 460--536-ft

Screen, 500-510-ft, #60-slot

Borehole drilled depth: [536.0-ft]

DTB=Depth to bottom, 390.0-ft, 21Jan92

Drawing By: RKL/6N38W65.ASB
Date : 28Jul94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-38-65

WELL DESIGNATION	:	699-38-65
RCRA FACILITY	:	Proposed ERSDF
CERCLA UNIT	:	Not applicable
HANFORD COORDINATES	:	N 37,965 W 64,978 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 443,100 E 2,230,250 [HANCONV]
DATE DRILLED	:	Dec59
DEPTH DRILLED (GS)	:	536-ft
MEASURED DEPTH (GS)	:	390.0-ft, 21Jan92
DEPTH TO WATER (GS)	:	320-ft, 06Dec59; 322.9-ft, 02Jun94
CASING DIAMETER	:	8-in, carbon steel, +2.3-526-ft; P piezometer=1#-in carbon or galvanized steel, ~+2.3-465-ft
ELEV TOP OF CASING	:	753.33-ft [Hanford Wells]
ELEV GROUND SURFACE	:	751.0-ft, Estimated
PERFORATED INTERVAL	:	220-520-ft
SCREENED INTERVAL	:	500-510-ft as P piezometer, #60-slot,
COMMENTS	:	FIELD INSPECTION, 21Jan92, 8-in carbon steel casing. Capped and locked No pad, posts or permanent identification. Not in radiation zone. OTHER:
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Sitewide semiannual water level measurement, 28Dec59-02Jun94,
CURRENT USER	:	WHC ES&M w/l monitoring, PNL sitewide sampling, w/l monitoring and characterization
PUMP TYPE	:	Electric submersible
MAINTENANCE	:	

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A9686	699-38-65P	12/31/1959		536	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A9686	699-38-65P	USACE(JECA)	NAD83(91)	05/08/1993	UNKNOWN	135039.847	570090.185	m

699-38-70O
A9688

WELL ATTRIBUTES REPORT

WELL ID	A9688	**NORTHING**	135089.205	**FIELD ORDER NO**	
WELL NAME	699-38-70O	**EASTING**	568500.94	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5149	**ELEVATION**	217.761	**CONST DATE**	4/30/1965
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	6/30/1957	**CONST DEPTH**	280
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	281	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A9688	**NORTHING**	135089.205	**FIELD ORDER NO**	
WELL NAME	699-38-70O	**EASTING**	568500.94	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5149	**ELEVATION**	217.761	**CONST DATE**	4/30/1965
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	6/30/1957	**CONST DEPTH**	280

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

PERFORATION INFORMATION

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

CHANGES

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

WELL NAME / WELL TYPE	COORDINATES L 83	COORDINATES PLANT	CASING_ELEV / WELL_DIAM	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
					P	1.5	441.0	461.0	REMOVED
				443.0					
				413.0	P	8.0	255.0	380.0	CEMENT PLUG AT 295 FT. REMOVED
				295.0					PVC PIEZ. TUBES 7/75.
				254.0					
699-38-70O		38142.00	710.94	280.0	P	1.5	260.0	280.0	REMOVED
AB		-70226.00	1.5	281.0					
			4/65						
699-38-70P		38142.00	710.94	410.0	P	1.5	390.0	410.0	REMOVED
AB		-70226.00	1.5	405.0					
			6/64						
699-38-70Q		38142.00	710.94		P	1.5	320.0	350.0	REMOVED
AB		-70226.00	1.5						
699-39-E2		39123.00	404.89	245.0					
SW		2094.00	6.0						
			6/80						GOLDER 68
699-39-0		39058.00	449.54	105.0	P	6.0	85.0	95.0	CEMENT PLUG AT 101'
GW		-68.00	6.0	101.0					
S			8/80	88.0					699-39-1
699-39-1		38708.00	476.59	340.0					
SW		-701.00	6.0						
			10/80						699-39-1A, GOLDER
699-39-2A		38974.00	467.57	307.0					
SW		-1712.00	6.0						
			11/80						GOLDER 103
699-39-7A		39120.00	492.37						
GW		-6820.00	6.0	190.0					
				115.0					699-39-7, GOLDER
699-39-7B		39098.00	489.60	451.0					
SW		-6854.00	6.0						
			6/81						GOLDER 125
699-39-12		38605.00	531.36	154.0					
SW		-12331.00							
			2/80						GOLDER 2

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A9686	699-38-65P	12/31/1959		536	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A9686	699-38-65P	USACE(JECA)	NAD83(91)	05/08/1993	UNKNOWN	135039.847	570090.185	m

WELL CONSTRUCTION AND COMPLETION SUMMARY

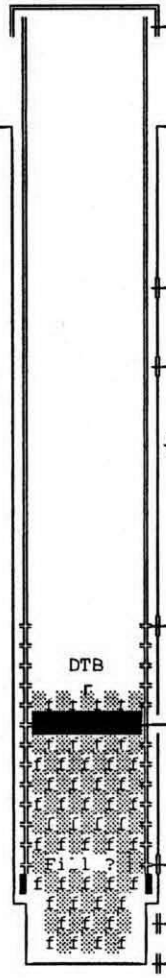
Drilling Method: Cable tool	Sample Method: Hard tool (nom)	WELL NUMBER: 699-38-70 A5149
Drilling Fluid Used: Water	Additives Used: Bentonite	TEMPORARY WELL NO:
Driller's Name: Swain	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 38,142 E/W W 70,226
Drilling Company: Not documented	Company Location: ND	State Coordinates: N 443,264 E 2,225,001
Date Started: 17May57	Date Complete: 14Jun57	Start Card #: Not documented T 12N R 26E S 7B1
		Elevation Ground surface: 708.9-ft Estimated

Depth to water: 270-ft Jun87
(Ground surface): 259.5-ft 10Jun94

GENERALIZED STRATIGRAPHY — Driller's Log

0-5: SAND
5-15: Small GRAVEL
15-25: Sandy SILT-GRAVEL
25-30: SILT, coarse SAND
30-45: Sandy SILT
45-55: SAND-SILT-GRAVEL
55-70: SAND-SILT
70-72: SAND-small GRAVEL
72-80: SAND-coarse and clean
80-120: SAND-SILT
120-130: SAND-SILT (harder packed)
130-190: SAND-SILT
190-200: SAND-SILT-small GRAVEL (water)
200-205: SAND-SILT-small GRAVEL
205-220: SAND-SILT
220-230 SAND-SILT, soft, more CLAY than SAND
230-245: Small GRAVEL-CLAY
245-250: CLAY
250-260: CLAY-GRAVEL
260-265: SAND-SILT-GRAVEL
265-310: SAND-GRAVEL, mostly clean
310-315: SAND-GRAVEL, a little SILT
315-320: SAND-SILT-GRAVEL-CLAY
320-335: SAND, SILT and GRAVEL
335-345: SAND-GRAVEL
345-350: Clean coarse SAND
350-360: Fine clean SAND
360-365: SAND
365-369: SAND-small GRAVEL
369-375: SAND-hardpacked
375-380: SAND-softer, very fine
380-390: SAND-SILT, very fine
390-395: SAND-GRAVEL
395-400: SAND
400-413: Fine SAND and SILT (caving)

REMEDIATIONS:
Jun 64, Crowe
Installed plastic piezometer tubes
Jul75, M. Bultena, cleaned well
Jul77, Bigham. set cement plug



- Elevation of reference point: [710.67-ft] (top of casing)
- Height of reference point above ground surface [1.8-ft]
- Depth of surface seal [ND] No surface seal documented:
- DRILLER'S NOTE: Casing may be parted at joint 50 ft from top
- 8-in ID carbon steel casing, +1.8-388-ft
- 9-in nominal hole, 0-388-ft
- 8-in casing perforations, 255-320-ft, 3 cuts/ft; 320-380-ft, 2 cuts/2-ft
- Cement plug. @ ~300-310-ft
- 8-in nominal hole, 388-413-ft
- Borehole drilled depth: [413.0-ft]

DTB=Depth to bottom, 290.5-ft, 21Feb91

Drawing By: RKL/6N38W70.ASB
Date : 19Sep94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-38-70

WELL DESIGNATION	:	699-38-70
RCRA FACILITY	:	Not applicable
CERCLA UNIT	:	Not applicable
HANFORD COORDINATES	:	N 38,142 W 70,226 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 443,264 E 2,225,001 [HANCONV]
DATE DRILLED	:	Jun57
DEPTH DRILLED (GS)	:	413.0-ft
MEASURED DEPTH (GS)	:	290.5-ft, 21Feb91
DEPTH TO WATER (GS)	:	270.0-ft, Jun87
		259.5-ft, 10Jun94
CASING DIAMETER	:	8-in, carbon steel, +1.8-388.0-ft
ELEV TOP CASING	:	710.67-ft [HANFORD WELLS]
ELEV GROUND SURFACE	:	708.9-ft, Estimated
PERFORATED INTERVAL	:	255-380-ft
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	FIELD INSPECTION, 21Feb91
		8-in carbon steel casing. Capped and locked
		No pad, posts or permanent identification.
		Not in radiation zone.
		OTHER;
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Sitewide semiannual water level measurement, 26Jul57-10Jun94;
CURRENT USER	:	WHC ES&M w/l monitoring,
		WHC ER CCL_4 ERA
		PNL sitewide sampling and w/l monitoring
PUMP TYPE	:	Electric submersible
MAINTENANCE	:	

699-38-70P
A9689

WELL ATTRIBUTES REPORT

WELL ID	A9689	**NORTHING**	135089.205	**FIELD ORDER NO**	
WELL NAME	699-38-70P	**EASTING**	568500.94	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5149	**ELEVATION**	217.761	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	6/30/1957	**CONST DEPTH**	410

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	405	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	A9689	**NORTHING**	135089.205	**FIELD ORDER NO**	
WELL NAME	699-38-70P	**EASTING**	568500.94	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5149	**ELEVATION**	217.761	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	6/30/1957	**CONST DEPTH**	410

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

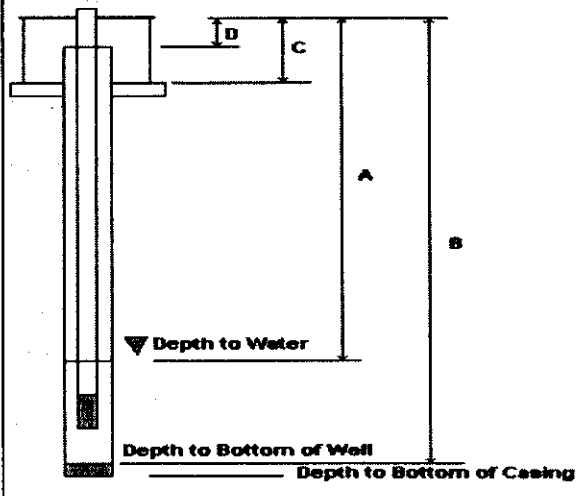
PERFORATION INFORMATION

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

CHANGES

Well ID A9689
Well Name 699-38-70P
Inspection ID: 2202
Inspection Date: 01/01/1801

INSPECTION INFORMATION		PUMP INFORMATION	
Well Pad	☐ Yes ☐ No ☑ ND*	Pump Activity Performed	
Brass Survey Marker	☐ Yes ☐ No ☑ ND*	Activity Performed By	ND*
Marker Stamped w/Survey Data	☐ Yes ☐ No ☑ ND*	Date Activity Performed	
Marker Stamped w/Well ID Data	☐ Yes ☐ No ☑ ND*	Pump Tested	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well ID	☐ Yes ☐ No ☑ ND*	New Pump	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well Name	☐ Yes ☐ No ☑ ND*	Pump Type	ND*
Protective Posts	☐ Yes ☐ No ☑ ND*	Pump Make	ND*
Removable Posts in Place	☐ Yes ☐ No ☑ ND*	Pump Model	ND*
Well Lock	☐ Yes ☐ No ☑ ND*	Pump Intake Depth (ft)	
Well Damaged	☐ Yes ☐ No ☑ ND*	**TUBING INFORMATION**	
Well is Dry	☐ Yes ☐ No ☑ ND*	Tubing Size (in)	
Parted Casing	☐ Yes ☐ No ☑ ND*	Tubing Material	ND*
Bentonite in Well	☐ Yes ☐ No ☑ ND*	Tubing Length	
Well Sanded In	☐ Yes ☐ No ☑ ND*	Tubing Connection	ND*
Collapsed Casing	☐ Yes ☐ No ☑ ND*		
Equipment in Well	☐ Yes ☐ No ☑ ND*		
Debris in Well	☐ Yes ☐ No ☑ ND*		
Surface Erosion	☐ Yes ☐ No ☑ ND*		
MEASUREMENT INFORMATION			
A Depth to Water (ft)			
Depth To Water Date			
B Depth to Bottom (ft)	405		
Depth to Bottom Date			
C Stick Up (ft)			
D Reference Mark (ft)			
Reference Mark in TOC	☐ Yes ☐ No ☑ ND*		



ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	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
699-38-65Q		37965.00	753.59		P	1.5	441.0	461.0	REMOVED
				443.0					
				413.0	P	8.0	255.0	380.0	CEMENT PLUG AT 295 FT. REMOVED
				295.0					PVC PIEZ. TUBES 7/75.
				254.0					
				280.0	P	1.5	260.0	280.0	REMOVED
				281.0					
699-38-70P		38142.00	710.94	410.0	P	1.5	390.0	410.0	REMOVED
AB		-70226.00	1.5	405.0					
			6/64						
699-38-70Q		38142.00	710.94		P	1.5	320.0	350.0	REMOVED
AB		-70226.00	1.5						
699-39-E2		39123.00	404.89	245.0					
SW		2094.00	6.0						
			6/80						GOLDER 68
699-39-0		39058.00	449.54	105.0	P	6.0	85.0	95.0	CEMENT PLUG AT 101'
GW		-68.00	6.0	101.0					
S			8/80	88.0					699-39-1
699-39-1		38708.00	476.59	340.0					
SW		-701.00	6.0						
			10/80						699-39-1A, GOLDER
699-39-2A		38974.00	467.57	307.0					
SW		-1712.00	6.0						
			11/80						GOLDER 103
699-39-7A		39120.00	492.37						
GW		-6820.00	6.0	190.0					
				115.0					699-39-7, GOLDER
699-39-7B		39098.00	489.60	451.0					
SW		-6854.00	6.0						
			6/81						GOLDER 125
699-39-12		38605.00	531.36	154.0					
SW		-12331.00							
			2/80						GOLDER 2

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

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS
A9689	699-38-70P	USACE(JECA)	NAD83(91)	05/08/1993	UNKNOWN	135089.205	568500.94	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	SOURCE	DATE_OF_SOURCE
A9689	699-38-70P	06/30/1957		413	ft			

WELL CONSTRUCTION AND COMPLETION SUMMARY

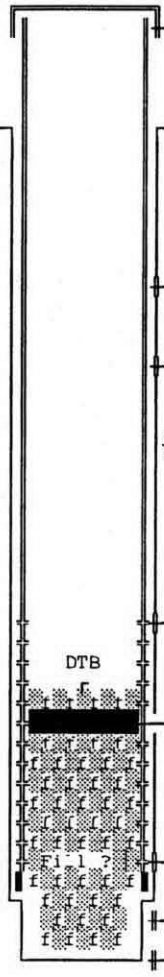
Drilling Method: Cable tool	Sample Method: Hard tool (nom)	WELL NUMBER: 699-38-70 A5149
Drilling Fluid Used: Water	Additives Used: Bentonite	TEMPORARY WELL NO:
Driller's Name: Swain	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 38,142 E/W W 70,226
Drilling Company: Not documented	Company Location: ND	State Coordinates: N 443,264 E 2,225,001
Date Started: 17May57	Date Complete: 14Jun57	Start Card #: Not documented T 12N R 26E S 7B1
		Elevation Ground surface: 708.9-ft Estimated

Depth to water: 270-ft Jun87
(Ground surface): 259.5-ft 10Jun94

GENERALIZED STRATIGRAPHY — Driller's Log

0-5: SAND
5-15: Small GRAVEL
15-25: Sandy SILT-GRAVEL
25-30: SILT, coarse SAND
30-45: Sandy SILT
45-55: SAND-SILT-GRAVEL
55-70: SAND-SILT
70-72: SAND-small GRAVEL
72-80: SAND-coarse and clean
80-120: SAND-SILT
120-130: SAND-SILT (harder packed)
130-190: SAND-SILT
190-200: SAND-SILT-small GRAVEL (water)
200-205: SAND-SILT-small GRAVEL
205-220: SAND-SILT
220-230 SAND-SILT, soft, more CLAY than SAND
230-245: Small GRAVEL-CLAY
245-250: CLAY
250-260: CLAY-GRAVEL
260-265: SAND-SILT-GRAVEL
265-310: SAND-GRAVEL, mostly clean
310-315: SAND-GRAVEL, a little SILT
315-320: SAND-SILT-GRAVEL-CLAY
320-335: SAND, SILT and GRAVEL
335-345: SAND-GRAVEL
345-350: Clean coarse SAND
350-360: Fine clean SAND
360-365: SAND
365-369: SAND-small GRAVEL
369-375: SAND-hardpacked
375-380: SAND-softer, very fine
380-390: SAND-SILT, very fine
390-395: SAND-GRAVEL
395-400: SAND
400-413: Fine SAND and SILT (caving)

REMEDIATIONS:
Jun 64, Crowe
Installed plastic piezometer tubes
Jul75, M. Bultena, cleaned well
Jul77, Bigham. set cement plug



- Elevation of reference point: [710.67-ft] (top of casing)
- Height of reference point above ground surface [.8-ft]
- Depth of surface seal [ND] No surface seal documented:
- DRILLER'S NOTE: Casing may be parted at joint 50 ft from top
- 8-in ID carbon steel casing, +1.8-388-ft
- 9-in nominal hole, 0-388-ft
- 8-in casing perforations, 255-320-ft, 3 cuts/ft; 320-380-ft, 2 cuts/2-ft
- Cement plug. @ ~300-310-ft
- 8-in nominal hole, 388-413-ft
- Borehole drilled depth: [413.0-ft]

DTB=Depth to bottom, 290.5-ft, 21Feb91

Drawing By: RKL/6N38W70.ASB
Date : 19Sep94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-38-70

WELL DESIGNATION	:	699-38-70
RCRA FACILITY	:	Not applicable
CERCLA UNIT	:	Not applicable
HANFORD COORDINATES	:	N 38,142 W 70,226 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 443,264 E 2,225,001 [HANCONV]
DATE DRILLED	:	Jun57
DEPTH DRILLED (GS)	:	413.0-ft
MEASURED DEPTH (GS)	:	290.5-ft, 21Feb91
DEPTH TO WATER (GS)	:	270.0-ft, Jun87 259.5-ft, 10Jun94
CASING DIAMETER	:	8-in, carbon steel, +1.8-388.0-ft
ELEV TOP CASING	:	710.67-ft [HANFORD WELLS]
ELEV GROUND SURFACE	:	708.9-ft, Estimated
PERFORATED INTERVAL	:	255-380-ft
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	FIELD INSPECTION, 21Feb91 8-in carbon steel casing. Capped and locked No pad, posts or permanent identification. Not in radiation zone. OTHER;
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Sitewide semiannual water level measurement, 26Jul57-10Jun94;
CURRENT USER	:	WHC ES&M w/l monitoring, WHC ER CCL_4 ERA PNL sitewide sampling and w/l monitoring
PUMP TYPE	:	Electric submersible
MAINTENANCE	:	

699-38-70Q
A9690

WELL ATTRIBUTES REPORT

WELL ID	A9690	**NORTHING**	135089.205	**FIELD ORDER NO**	
WELL NAME	699-38-70Q	**EASTING**	568500.94	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5149	**ELEVATION**	217.761	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	6/30/1957	**CONST DEPTH**	350
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

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

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

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

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

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A9690	**NORTHING**	135089.205	**FIELD ORDER NO**	
WELL NAME	699-38-70Q	**EASTING**	568500.94	**LAST INSPECTION**	1/1/1801
HOST WELL ID	A5149	**ELEVATION**	217.761	**CONST DATE**	6/30/1964
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	6/30/1957	**CONST DEPTH**	350

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

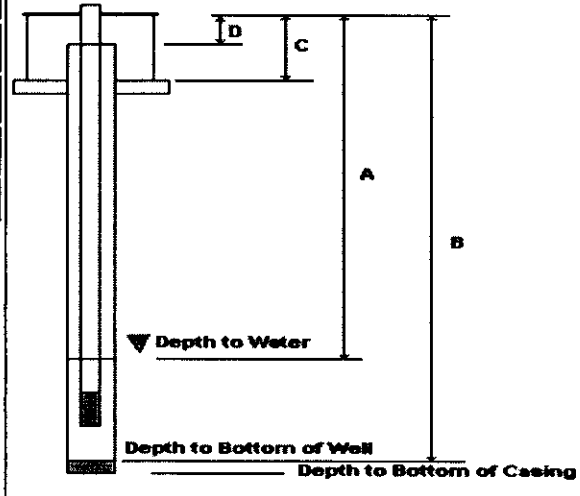
PERFORATION INFORMATION

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

CHANGES

Well ID A9690
Well Name 699-38-70Q
Inspection ID: 2203
Inspection Date: 01/01/1801

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



ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	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
699-38-65Q		37965.00	753.59		P	1.5	441.0	461.0	REMOVED
AB		-64978.00	1.5	443.0					
699-38-70		38142.00	710.67	413.0	P	8.0	255.0	380.0	CEMENT PLUG AT 295 FT. REMOVED
				295.0					PVC PIEZ. TUBES 7/75.
				254.0					
				280.0	P	1.5	260.0	280.0	REMOVED
				281.0					
				410.0	P	1.5	390.0	410.0	REMOVED
				405.0					
699-38-70Q		38142.00	710.94		P	1.5	320.0	350.0	REMOVED
AB		-70226.00	1.5						
699-39-E2		39123.00	404.89	245.0					
SW		2094.00	6.0						
			6/80						GOLDER 68
699-39-0		39058.00	449.54	105.0	P	6.0	85.0	95.0	CEMENT PLUG AT 101'
GW		-68.00	6.0	101.0					
S			8/80	88.0					699-39-1
699-39-1		38708.00	476.59	340.0					
SW		-701.00	6.0						
			10/80						699-39-1A, GOLDER
699-39-2A		38974.00	467.57	307.0					
SW		-1712.00	6.0						
			11/80						GOLDER 103
699-39-7A		39120.00	492.37						
GW		-6820.00	6.0	190.0					
				115.0					699-39-7, GOLDER
699-39-7B		39098.00	489.60	451.0					
SW		-6854.00	6.0						
			6/81						GOLDER 125
699-39-12		38605.00	531.36	154.0					
SW		-12331.00							
			2/80						GOLDER 2

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

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A9690	699-38-70Q	06/30/1957		413	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS
A9690	699-38-70Q	USACE(JECA)	NAD83(91)	05/08/1993	UNKNOWN	135089.205	568500.94	m

WELL CONSTRUCTION AND COMPLETION SUMMARY

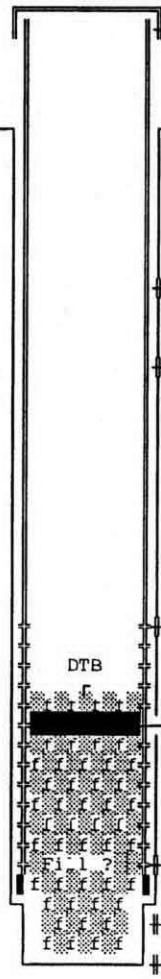
Drilling Method: Cable tool	Sample Method: Hard tool (nom)	WELL NUMBER: 699-38-70 A5149
Drilling Fluid Used: Water	Additives Used: Bentonite	TEMPORARY WELL NO:
Driller's Name: Swain	WA State Lic Nr: Not documented	Hanford Coordinates: N/S N 38,142 E/W W 70,226
Drilling Company: Not documented	Company Location: ND	State Coordinates: N 443,264 E 2,225,001
Date Started: 17May57	Date Complete: 14Jun57	Start Card #: Not documented T 12N R 26E S 7B1
		Elevation Ground surface: 708.9-ft Estimated

Depth to water: 270-ft Jun87
(Ground surface): 259.5-ft 10Jun94

GENERALIZED STRATIGRAPHY — Driller's Log

0-5: SAND
5-15: Small GRAVEL
15-25: Sandy SILT-GRAVEL
25-30: SILT, coarse SAND
30-45: Sandy SILT
45-55: SAND-SILT-GRAVEL
55-70: SAND-SILT
70-72: SAND-small GRAVEL
72-80: SAND-coarse and clean
80-120: SAND-SILT
120-130: SAND-SILT (harder packed)
130-190: SAND-SILT
190-200: SAND-SILT-small GRAVEL (water)
200-205: SAND-SILT-small GRAVEL
205-220: SAND-SILT
220-230 SAND-SILT, soft, more CLAY than SAND
230-245: Small GRAVEL-CLAY
245-250: CLAY
250-260: CLAY-GRAVEL
260-265: SAND-SILT-GRAVEL
265-310: SAND-GRAVEL, mostly clean
310-315: SAND-GRAVEL, a little SILT
315-320: SAND-SILT-GRAVEL-CLAY
320-335: SAND, SILT and GRAVEL
335-345: SAND-GRAVEL
345-350: Clean coarse SAND
350-360: Fine clean SAND
360-365: SAND
365-369: SAND-small GRAVEL
369-375: SAND-hardpacked
375-380: SAND-softer, very fine
380-390: SAND-SILT, very fine
390-395: SAND-GRAVEL
395-400: SAND
400-413: Fine SAND and SILT (caving)

REMEDIATIONS:
Jun 64, Crowe
Installed plastic piezometer tubes
Jul75, M. Bultena, cleaned well
Jul77, Bigham. set cement plug



- Elevation of reference point: [710.67-ft] (top of casing)
- Height of reference point above ground surface [1.8-ft]
- Depth of surface seal [ND] No surface seal documented:
- DRILLER'S NOTE: Casing may be parted at joint 50 ft from top
- 8-in ID carbon steel casing, +1.8-388-ft
- 9-in nominal hole, 0-388-ft
- 8-in casing perforations, 255-320-ft, 3 cuts/ft; 320-380-ft, 2 cuts/2-ft
- Cement plug. @ ~300-310-ft
- 8-in nominal hole, 388-413-ft
- Borehole drilled depth: [413.0-ft]

DTB=Depth to bottom, 290.5-ft, 21Feb91

Drawing By: RKL/6N38W70.ASB
Date : 19Sep94
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS
RESOURCE PROTECTION WELL - 699-38-70

WELL DESIGNATION	:	699-38-70
RCRA FACILITY	:	Not applicable
CERCLA UNIT	:	Not applicable
HANFORD COORDINATES	:	N 38,142 W 70,226 [HANFORD WELLS]
LAMBERT COORDINATES	:	N 443,264 E 2,225,001 [HANCONV]
DATE DRILLED	:	Jun57
DEPTH DRILLED (GS)	:	413.0-ft
MEASURED DEPTH (GS)	:	290.5-ft, 21Feb91
DEPTH TO WATER (GS)	:	270.0-ft, Jun87
		259.5-ft, 10Jun94
CASING DIAMETER	:	8-in, carbon steel, +1.8-388.0-ft
ELEV TOP CASING	:	710.67-ft [HANFORD WELLS]
ELEV GROUND SURFACE	:	708.9-ft, Estimated
PERFORATED INTERVAL	:	255-380-ft
SCREENED INTERVAL	:	Not applicable
COMMENTS	:	FIELD INSPECTION, 21Feb91
		8-in carbon steel casing. Capped and locked
		No pad, posts or permanent identification.
		Not in radiation zone.
		OTHER;
AVAILABLE LOGS	:	Driller
TV SCAN COMMENTS	:	Not applicable
DATE EVALUATED	:	Not applicable
EVAL RECOMMENDATION	:	Not applicable
LISTED USE	:	Sitewide semiannual water level measurement, 26Jul57-10Jun94;
CURRENT USER	:	WHC ES&M w/l monitoring,
		WHC ER CCL_4 ERA
		PNL sitewide sampling and w/l monitoring
PUMP TYPE	:	Electric submersible
MAINTENANCE	:	

699-40-11E
A8624

WELL ATTRIBUTES REPORT

WELL ID	A8624	**NORTHING**		**FIELD ORDER NO**	
WELL NAME	699-40-11E	**EASTING**		**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT		**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

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

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A8624	**NORTHING**		**FIELD ORDER NO**	
WELL NAME	699-40-11E	**EASTING**		**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT		**DRILL DATE**	1/1/1801	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

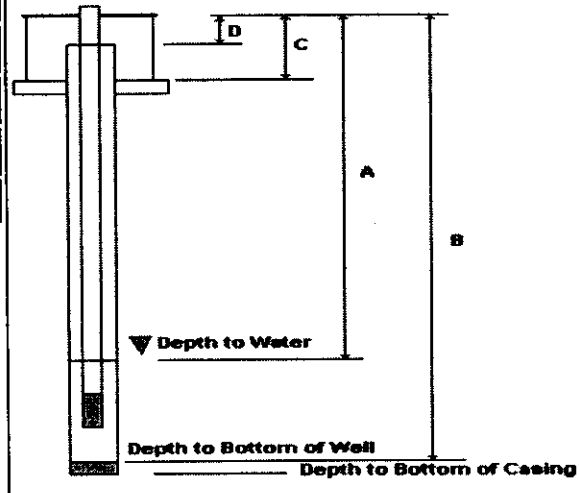
PERFORATION INFORMATION

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

CHANGES

Well ID A8624
Well Name 699-40-11E
Inspection ID: 3137
Inspection Date: 01/01/1801

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



ND* - Not Documented

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-39-84G									PREVIOUS NAME FH-1, 699-39-84C
AB									
699-39-84H									BWIP WELL
AB			20.0	70.0					
699-39-103		39344.00	890.05	160.0					
VW		-103063.00	8.0						
			3/76						
699-40-E8			400.00						FILLED IN .
AB									PIONEER RANC
699-40-0		40342.00	420.84						
SW		-2.00	6.0						
			1/81						GOLDER 120
699-40-1		39849.00	438.71	420.0	P	8.0	65.0	220.0	CEMENT PLUG AT 100 FT.
GW		-570.00	8.0	100.0					
S			10/61	76.0					
699-40-2		40303.00	464.07	405.0					
SW		-2493.00	6.0						
			10/81						GOLDER 98
699-40-6									
SW									GOLDER 109
699-40-11C									
UN									
699-40-11D									
UN									
699-40-11E			521.81						
UN									
699-40-11F			520.33						
UN									

Hanford Wells
PNL-8800 UC-903
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Query HWIS again

HWIS Interface - Well History Information - Current Status

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A8624	699-40-11E	DECOMMISSIONED-V	06/18/2007	FY 2007 Admin Decomm

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS
A8624	699-40-11E	-- No information available --						

699-40-11D (Golder Well #X9)
Location: 12/27-12B6
Casing Elevation: 520.33
Air rotary, drilled by Carman Water Wells & logged by Arnold of Golder Associates for NESCO, 1980, foundation test boring

Material (11)	Thickness	Depth
Fine sand	5	5
Medium to fine sand & medium to coarse gravel	10	15
Medium to fine sand & medium gravel	20	35
Medium to fine sand	30	65
Medium to fine sand, some silt	10	75
Medium to fine sand	10	85
Medium to coarse sand	5	90
Medium to fine sand & medium to coarse gravel	15	105
Medium to fine sand & medium to coarse gravel, some silt	5	110
Medium to fine sand, some silt	5	115
Medium to fine sand, some medium gravel	5	120
Fine sand & medium to coarse gravel	20	140
Fine sand & medium to coarse gravel, some silt	5	145
Fine sand & medium to coarse gravel	30	175
Fine sand & silt	11	186

A8624 699-40-11E

699-40-11E (Golder Well #X10)
Location: 12/27-12B7
Casing Elevation: 519.39
Air rotary, drilled by Carman Water Wells & logged by Wilkening of Golder Associates for NESCO, 1980, foundation test boring

Material (11)	Thickness	Depth
Medium to fine sand, some gravel	5	5
Coarse to fine gravel	5	10
Coarse to fine sand, some gravel	5	15
Coarse to fine gravel, some sand	5	20
Coarse to fine gravel	10	30
Coarse to fine sand	5	35
Coarse to fine sand & coarse to fine gravel	10	45
Medium to fine sand	40	85
Coarse to fine sand & coarse to fine gravel	10	95
Coarse to fine sand & silt, some gravel	10	105

HANFORD WELLS
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699-40-11E (Cont'd)

Material	Thickness	Depth
Medium to fine sand, some silt . .	15	120
Medium to fine sand, some silt, some gravel	20	140
Medium to fine sand, some silt . .	15	155
Coarse to fine sand & coarse to fine gravel	20	175
Medium to fine sand & silt	15	190
Medium to fine sand & silt, some gravel	10	200

699-40-13 (Golder Well #1)
Location: ~N39829, W12977 12/27-12C2
Casing Elevation: 507.56
Rotary (to 128 ft.) & diamond core, drilled by Aqua Drilling & Development Company & Connors Drilling Company & logged by Howe, Wilkening & Lubrecht of Golder Associates for NESCO, 1979, geologic investigation borehole

Material (11)	Thickness	Depth
Cobbles & boulders w/sand & gravel	20	20
Black medium sand	74	94
Gravel & sand w/cobbles	6	100
Soft brown claystone w/sand, silt & gravel	2	102
Sandy gravel w/occasional gravel .	26	128
Cobbles w/some gravel	34	162
Claystone w/some silt	3	165
Siltstone w/trace clay & sand . .	3	168
Fine sands w/trace clay	5	173
Siltstone	5	178
Sandstone	5	183
Conglomerate	1	184
Medium-coarse sand	2	186
Conglomerate	43	229
Claystone to silty claystone . . .	5	234
Sandstone	3	237
Sandy siltstone	3	240
Sandstone	18	262
Conglomerate	14	276
No recovery	5	281
Sandstone	10	291
Conglomerate	5	296
No recovery	10	306
Conglomerate	20	326
Sandstone	12	338
Claystone	22	360
Sandstone	14	374

HANFORD WELLS
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699-59-80A
A8919

WELL ATTRIBUTES REPORT

ELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8919			NORTHING	141575.532
WELL NAME	699-59-80A	CONST DATE		EASTING	565633.525
HOST WELL ID		CONST DEPTH		ELEVATION	178.211

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
LAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

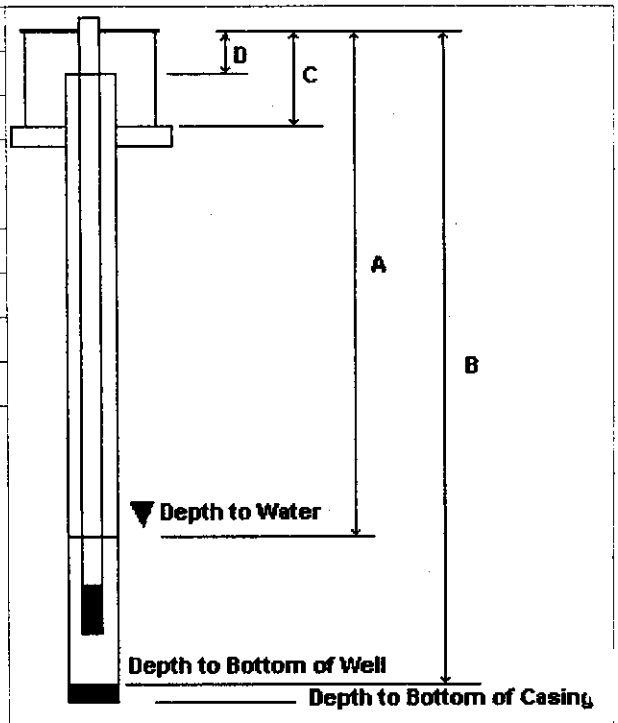
6/15/2005

WELL ATTRIBUTES REPORT

FIELD ORDER NO				**LAST INSPECTION**	1/1/1801
WELL ID	A8919			**NORTHING**	141575.532
WELL NAME	699-59-80A	**CONST DATE**		**EASTING**	565633.525
HOST WELL ID		**CONST DEPTH**		**ELEVATION**	178.211

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)	95	
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



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

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

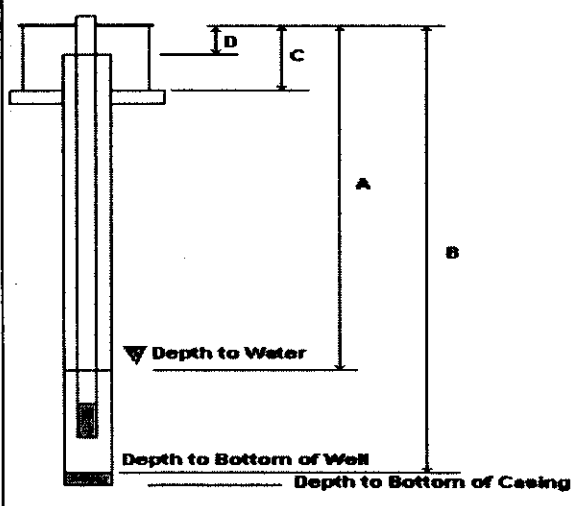
CHANGES

ND* - Not Documented

6/15/2005

Well ID A8919
Well Name 699-59-80A
Inspection ID: 2866
Inspection Date: 01/01/1801

INSPECTION INFORMATION		PUMP INFORMATION	
Well Pad	☐ Yes ☐ No ☑ ND*	Pump Activity Performed	
Brass Survey Marker	☐ Yes ☐ No ☑ ND*	Activity Performed By	ND*
Marker Stamped w/Survey Data	☐ Yes ☐ No ☑ ND*	Date Activity Performed	
Marker Stamped w/Well ID Data	☐ Yes ☐ No ☑ ND*	Pump Tested	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well ID	☐ Yes ☐ No ☑ ND*	New Pump	☐ Yes ☐ No ☑ ND*
Well Labeled w/Well Name	☐ Yes ☐ No ☑ ND*	Pump Type	ND*
Protective Posts	☐ Yes ☐ No ☑ ND*	Pump Make	ND*
Removable Posts in Place	☐ Yes ☐ No ☑ ND*	Pump Model	ND*
Well Lock	☐ Yes ☐ No ☑ ND*	Pump Intake Depth (ft)	
Well Damaged	☐ Yes ☐ No ☑ ND*	**TUBING INFORMATION**	
Well is Dry	☐ Yes ☐ No ☑ ND*	Tubing Size (in)	
Parted Casing	☐ Yes ☐ No ☑ ND*	Tubing Material	ND*
Bentonite in Well	☐ Yes ☐ No ☑ ND*	Tubing Length	
Well Sanded In	☐ Yes ☐ No ☑ ND*	Tubing Connection	ND*
Collapsed Casing	☐ Yes ☐ No ☑ ND*		
Equipment in Well	☐ Yes ☐ No ☑ ND*		
Debris in Well	☐ Yes ☐ No ☑ ND*		
Surface Erosion	☐ Yes ☐ No ☑ ND*		
MEASUREMENT INFORMATION			
A Depth to Water (ft)			
Depth To Water Date			
B Depth to Bottom (ft)	95		
Depth to Bottom Date			
C Stick Up (ft)			
D Reference Mark (ft)			
Reference Mark in TOC	☐ Yes ☐ No ☑ ND*		



ND* - Not Documented

WELL NAME	WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING_ELEV / WELL_DIAM / DATE_COMPL	DRILL_DEPTH / COMPL_DEPTH / DEPTH_WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-58-40	VW		57764.00 -40484.00	743.13 3.0 12/80	450.0 249.0					UNCASED GOLDER G-5
699-58-41A	SW		57953.00 -40520.00	707.46 6.0 12/80	274.0 21.0					GOLDER G-1
699-58-41B	SW		57988.00 -40575.00	701.18 6.0 12/80	225.0 70.0					GOLDER G-2
699-58-41C	SW			699.30 6.0 11/80	130.0 103.0					GOLDER G-3
699-58-41D	SW		58071.00 -40703.00	699.43 6.0 12/80	79.0 78.0					4" PVC TO 30 FT. GOLDER G-4
699-58-41E	GW			698.60 6.0 3/81	390.0 387.0					4" PVC TO 390 FT. GOLDER G-13
699-58-41F	GW			696.80 10.0 5/81	600.0 262.0					4" PVC TO 600 FT. GOLDER G-20
699-58-48	GW									
699-59-24	GW			397.95 12.0	33.0 34.0					FARM WELL
699-59-32	GW S		59424.00 -32378.00	424.29 6.0 7/71	75.0 74.0 62.0					SCREEN GM-10
699-59-33	GW		59439.00 -32679.00	404.52 2.0	44.0 45.0 43.0	P	2.0	41.0	44.0	WELL POINT
699-59-44	SW		59231.00 -43514.00	757.76 6.0 12/80	70.0					GOLDER 107

Hanford Wells

PNL-8800 UC-903

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WELL NAME	COORDINATES	CASING ELEV / L DIAM / E COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
		431.88	145.0					
		8.0	150.0					
		12/76	30.0					DH-10
		497.77	114.0	S	6.0	90.0	110.0	
		6.0	110.0					
		7/72	90.0					GBM-8
699-59-80A	59445.00	581.20	95.0					ABANDONED
AB	-79548.00	8.0	95.0					
		7/48						60-80A
699-59-80B	59453.00	583.25	198.0	P	8.0	152.0	184.0	CEMENT PLUG AT 183 FT.
GW	-79548.00	8.0	183.0					
B		8/48	164.0					59-80, 60-80B
699-59-101	58919.00	580.00	122.0					
VW	-100659.00	8.0	122.0					
		3/76						699-59-100
699-60-32	60390.00	425.30	85.0					SCREEN
GW	-32032.00	6.0	85.0					
S		7/71	64.0					GM-11
699-60-53A		820.00	150.0					BWIP WELL CH-1; ABANDONED
AB		4.0	150.0					
		12/80						CH-1
699-60-53B		820.00	160.0					BWIP WELL CH-2; ABANDONED
AB		4.0	160.0					
		12/80						CH-2
699-60-53C		820.00	150.0					BWIP WELL CH-3; ABANDONED
AB		4.0	150.0					
		12/80						CH-3
699-60-53D		820.00	160.0					BWIP WELL CH-4; ABANDONED
AB		4.0	160.0					
		12/80						CH-4
699-60-53E		820.00	150.0					BWIP WELL CH-5; ABANDONED
AB		4.0	150.0					
		12/80						CH-5
699-60-53F	60334.00	820.00	290.0					BWIP WELL CH-6; ABANDONED
AB	-52760.00	4.0	290.0					
		12/80						CH-6

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A8919	699-59-80A	07/31/1948		95	ft			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNIT
A8919	699-59-80A	UNKNOWN	NAD83	01/01/1801	CONVERTED	141575.532	565633.525	m

SURVEY DATA REPORT

				Request No. 063-332
Project No. NA	Title: Well Decommissioning Program / A8919 (699-59-80A)			File No. 6AT13R25
Job No. 301 65400691.1193120 CA10	Prepared By S. Wray	Date 8/22/06	Reviewer Tim Johnson	Page 1 of 1

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Stake / Investigate location of Well A8919 (699-59-80A), at coordinates given and report if above ground evidence exists.	Survey File	OR		
	B.J. Howard	1		
Horizontal Datum: WCS83S/91 (Meters)	J.D. Davis	1		
	R.L. Biggerstaff	1		
	G.G. Kelty	1		
	E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

Well ID	Coordinates Given	Description
A8919	N 141575.53, E 565633.53	Set hub and lath at given coordinates. Found existing Well marked 5278, 6-59-80B at N 141575.01, E 565637.63. Approx. 2 ft stick up. 8 in casing w/ lid. Found existing Well marked HWDS 32 at N 141572.36, E 565637.75. Approx. 1 ft stick up. 8 in casing w/ lid.

E-NW-246 (09/04)

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

SCAN DATA REPORT

Request No.: 064-512		
Project No.: NA	Title: WELL DECOMMISSIONING - WELL A8919	File No.: 600C-001
Job No.: 65400801.1225400 homex-CA10	Prepared by: Rand Taylor	Date: 10/3/06
Reviewed:		Page 1 of 3

DESCRIPTION OF WORK:

Performed a 10' radius scan at staked well location A8919.

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B. Howard	1		
J. Davis	1		
S.Worley	1		
G. Kelty	1		
E. Rafuse	1		
			13#

DATE OF FIELD INVESTIGATION: 10/3/06

Weather: Temp 75°F Wind 10 MPH

☐ Cloudy ☒ Clear ☐ P. Cloudy ☐ Fog

Soil Conditions: ☐ Rocky ☐ Sandy ☐ Wet ☒ Dry

Depth of Investigation N/A feet

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

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

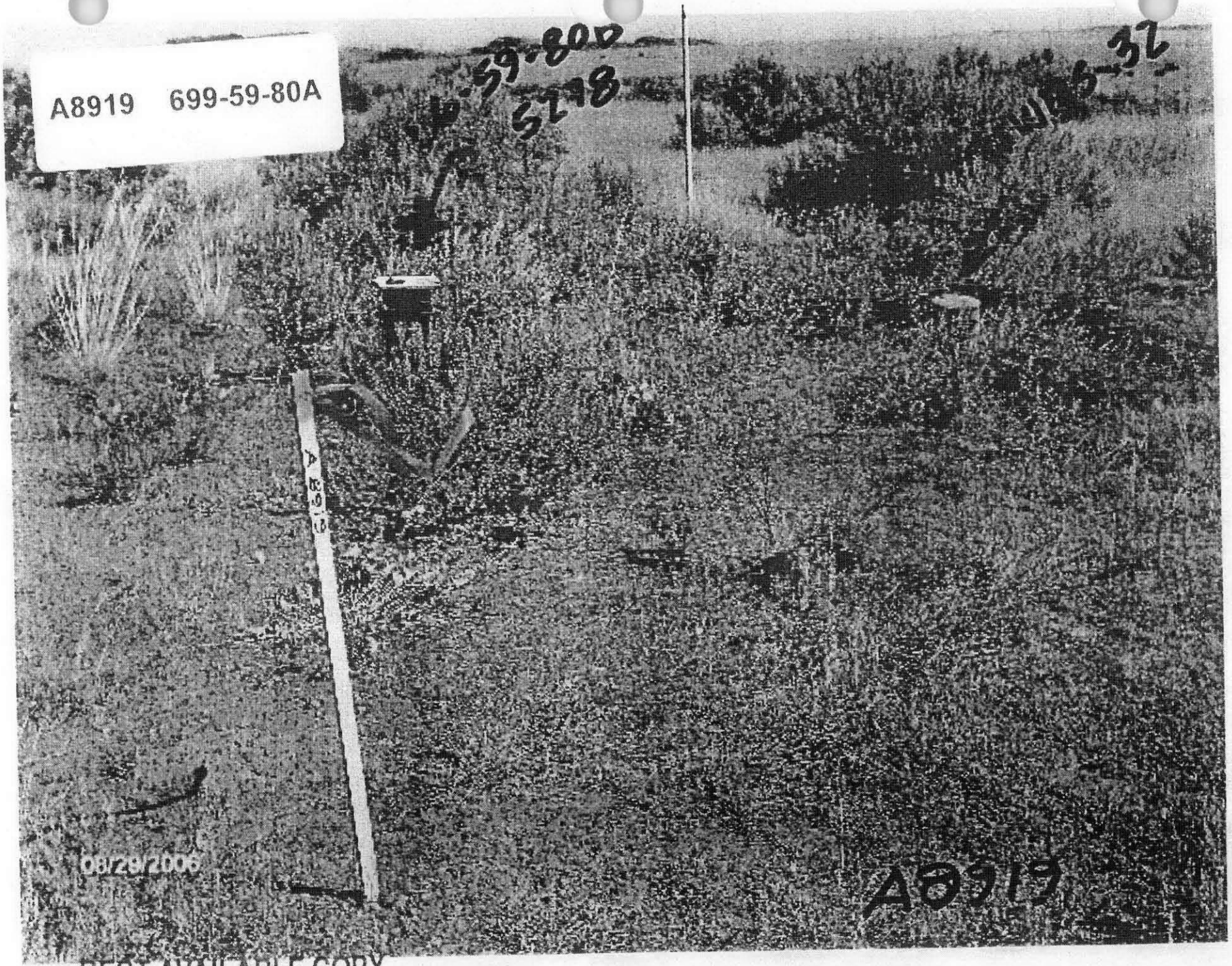
Documentation Provided: Sketch of well locations

Limits of Investigation: Performed a 10' radius scan at staked well location A8919.

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.



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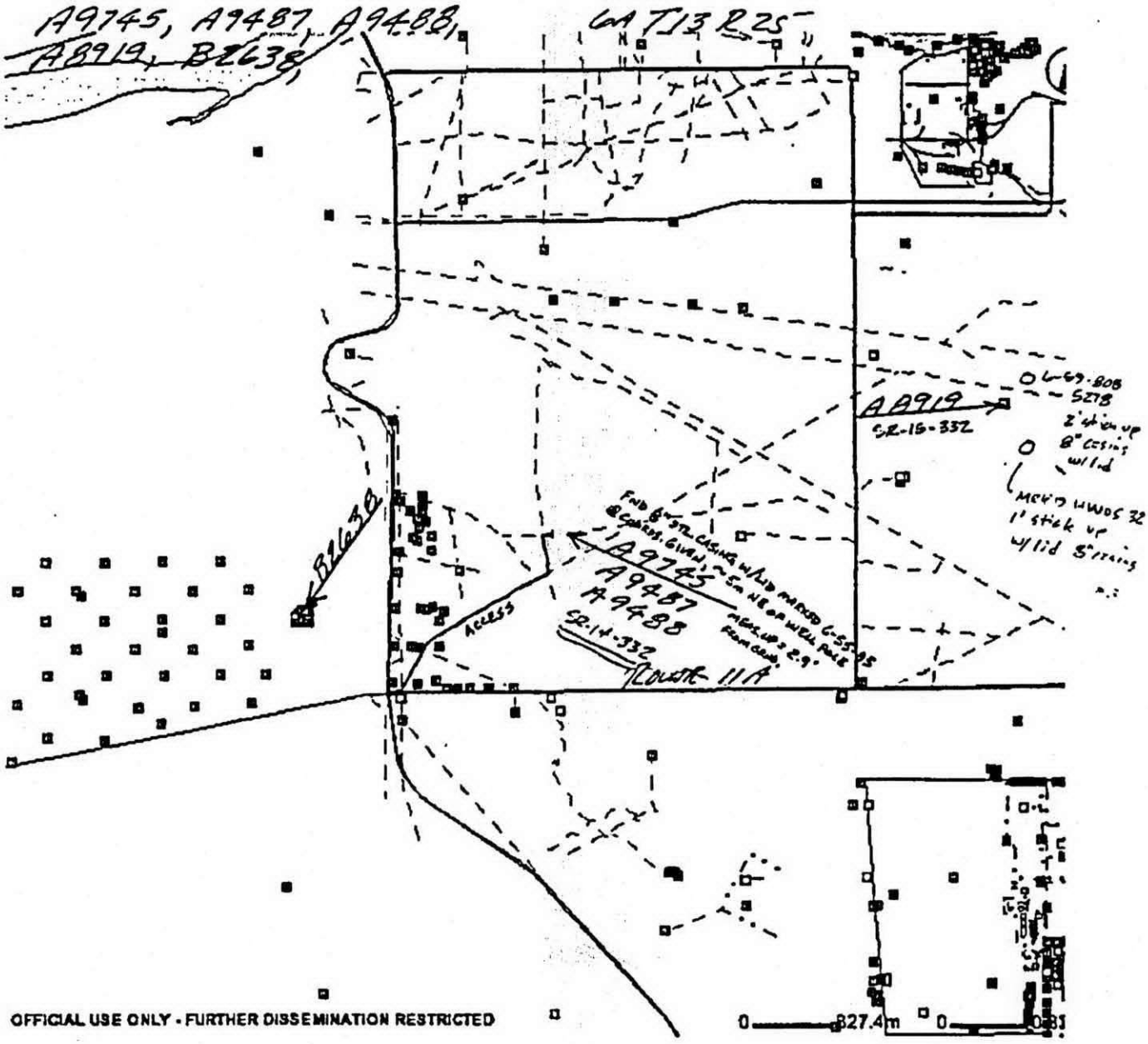
A9745, A9487, A9488,
A8919, B2638
GA T13 R25
A8919
SR-15-332
B2638
ACCESS
A9745
A9487
A9488
SR-14-332
Tank 11A
OFFICIAL USE ONLY - FURTHER DISSEMINATION RESTRICTED
0
827.4m

699-59-80A

Location: N59445, W79548 13/25-23A1
Casing Elevation: 581.20
Cable tool, drilled by Greenfield of USGS for GE Company, 1948, borehole abandoned

Material	Thickness	Depth
Rocks & sand	5	5
Rocks, sand, & little clay	5	10
Rocks & sand	1	11
Basalt gravel & little sand . . .	5	16
Basalt chips	4	20
Coarse basalt chips	4	24
Basalt sand	2	26
Coarse basalt gravel	3	29
Basalt sand	4	33
Fine basalt sand	3	36
Basalt sand & mostly basalt gravel	3	39
Basalt sand	2	41
Sand & gravel (basalt sand & gravel is mostly basalt)	4	45
Fine basalt sand	7	52
Sand & gravel & mostly basalt . .	3	55
Basalt sand	7	62
Basalt sand & gravel	6	68
Fine gravel--mostly basalt	3	71
Sand & gravel--mostly basalt . . .	3	74
Gray sand	3	77
Sand & gravel	9	86
Sand, gravel & rocks	1	87
Sand, gravel, & rocks & lots of basalt	8	95

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

HW-6.207

DRILLING LOG

PROJECT NO. C-133

Date 7-7-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 0

Rig No. HC-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:05	Getting gas and water
					8:05 to 8:20	Driving to well site
					8:20 to 12:00	Moving machine
					12:00 to 12:30	Lunch
					12:30 to 1:45	Moving water tank and shack
					1:45 to 3:30	Putting up water tank and started rigging up
					3:30 to 4:05	Dressing out and driving to yard

REMARKS

HW-6.:87

DRILLING LOG

PROJECT NO. C-133

Date 7-9-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 0

Rig No. 40-22-3127
Well No. 60-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	

OTHER DELAYS	
Time	Explanation
7:48 to 8:05	Getting gas and water
8:05 to 8:30	Driving to well site
8:30 to 12:00	Rigging up
12:00 to 12:30	Lunch
12:30 to 3:30	Rigging up
3:30 to 4:05	Dressing out and driving to yard

REMARKS

NW-6.287

DRILLING LOG

PROJECT NO. 0-133

Date 7-10-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 10'

Rig No. HG-22-3127
Well No. 60-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
10:50 to 12:00	4'			Rocks and sand
12:30 to 1:10	5'			Rocks and sand
1:15 to 3:20	10'			Rocks and sand and little clay

OTHER DELAYS	
Time	Explanation
7:48 to 8:05	Getting gas and water
8:05 to 8:30	Driving to well site
8:30 to 9:15	Putting on stem guide and starting hole
9:15 to 10:15	Building up bit
10:15 to 10:35	Charging bits
10:35 to 10:50	Cutting water course out of bit
12:00 to 12:30	Lunch
1:10 to 1:15	Sampling
3:20 to 3:30	Sampling
3:30 to 4:05	Dressing out and driving to yard

REMARKS

HW-6.267

DRILLING LOG

PROJECT NO. 6-133

Date 7-12-48
Shift #2
Depth beginning of Shift 10'
Depth completion of Shift 16'

Rig No. HO-22-3127
Well No. 60-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
10:30 to 11:40	11'			Rocks and sand
1:10 to 2:45	15'			Basalt gravel and little sand

OTHER DELAYS	
Time	Explanation
7:48 to 8:05	Getting gas and water
8:05 to 8:30	Driving to well site
8:30 to 9:50	Waiting for welder
9:50 to 10:05	Cutting casing
10:05 to 10:30	Installing starter casing. Total 12'.
11:40 to 12:00	Waiting for welder
12:00 to 12:30	Lunch
12:30 to 12:45	Waiting for welder
12:45 to 1:10	Welding 5'8" pipe. Total 17'8".
2:45 to 3:00	Taking sample and bailing

REMARKS

NW-6.287

DRILLING LOG

PROJECT NO. C-133

Date 7-12-48
Shift #2
Depth beginning of Shift 10'
Depth completion of Shift 16'

Rig No. MO-22-3127
Well No. 60-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
3:00 to 3:30	16'			Basalt gravel and little sand	3:30 to 4:05	Dressing out and driving to yard

REMARKS

HW-6.297

DRILLING LOG

PROJECT NO. C-133

Date 7-13-48
Shift #2
Depth beginning of Shift 16'
Depth completion of Shift 24'

Rig No. 40-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:05	Getting gas and water
					8:05 to 8:30	Driving to well site
8:30 to 9:10	17'			Basalt chips		
					9:10 to 10:00	Waiting for welder
					10:00 to 10:15	Cutting off 4" casing
					10:15 to 11:00	Welding 7'11" pipe. Total 25'7".
					11:00 to 11:15	Driving casing
11:15 to 12:00	18'			Basalt chips		
					12:00 to 12:30	Lunch
12:30 to 1:15	19'			Basalt chips		
					1:15 to 1:30	Driving casing
1:30 to 2:05	20'			Basalt chips		

REMARKS

HW-6.187

DRILLING LOG

PROJECT NO. C-133

Date 7-13-46
Shift #2
Depth beginning of Shift 16'
Depth completion of Shift 24'

Rig No. HC-22-3127
Well No. 60-20-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					2:05 to 2:10	Bailing and taking sample
					2:10 to 2:20	Cutting casing off 3". Total 25'5"
2:20 to 3:30	24'			Coarse basalt chips	3:30 to 4:05	Dressing out and driving to yard

REMARKS

HW-6.287

DRILLING LOG

PROJECT NO. 0-133

Date 7-14-48
Shift #2
Depth beginning of Shift 24'
Depth completion of Shift 31'

Rig No. HO-22-3127
Well No. 60-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:30	Safety meeting
					8:30 to 8:45	Getting gas and water
					8:45 to 9:10	Driving to well site
9:10 to 9:35	25'			Basalt sand		
					9:35 to 9:40	Bailing and taking sample
					9:40 to 10:00	Taking stem guide down and putting on drive head
					10:00 to 10:40	Welding 8'2" pipe. Total 33'7".
					10:40 to 10:50	Letting casing cool
					10:50 to 11:00	Driving casing
11:00 to 11:30	26'			Basalt sand		
					11:30 to 11:35	Driving casing

REMARKS

Tried to drive casing at 25' but it wouldn't go.

NW-6.107

DRILLING LOG

PROJECT NO. 0-133

Date 7-14-48
Shift #2
Depth beginning of Shift 24'
Depth completion of Shift 31'

Rig No. MO-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
11:35 to 12:00 (No Gain)					12:00 to 12:30	Lunch
12:30 to 1:40	27'			Coarse basalt gravel	1:40 to 1:50	Bailing
1:50 to 2:20	29'			Coarse basalt gravel	2:20 to 2:25	Bailing
					2:25 to 2:35	Driving casing
2:35 to 2:55	30'			Basalt sand	2:55 to 3:05	Bailing and taking sample
3:05 to 3:30	31'			Basalt sand	3:30 to 4:05	Dressing out and driving to yard

REMARKS

NW-6.:87

DRILLING LOG

PROJECT NO. C-133

Date 7-15-48
Shift #2
Depth beginning of Shift 31'
Depth completion of Shift 41'

Rig No. NC-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:05	Getting gas and water
					8:05 to 8:30	Driving to well site
8:30 to 9:15	33'			Basalt sand		
					9:15 to 9:25	Bailing
					9:25 to 9:30	Setting up casing
					9:30 to 10:05	Welding pipe 10'6". Total 44'1".
					10:05 to 10:15	Letting weld cool
					10:15 to 10:45	Driving casing
10:45 to 11:30	35'			Fine basalt sand		
					11:30 to 11:45	Bailing and taking sample
11:45 to 12:00	36'			Fine basalt sand		
					12:00 to 12:30	Lunch

REMARKS

HW-6.201

DRILLING LOG

PROJECT NO. C-133

Date 7-15-48
Shift #2
Depth beginning of Shift 31'
Depth completion of Shift 41'

Rig No. HO-22-3127
Well No. 60-80-A'
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
12:30 to 1:30	39'			Basalt sand and mostly basalt gravel	1:30 to 1:25	Bailing
					1:25 to 1:35	Driving casing
1:35 to 2:00	40'			Basalt sand	2:00 to 2:10	Bailing and taking sample
2:10 to 2:30	41'			Basalt sand	2:30 to 3:30	Waiting for welder
					3:30 to 4:05	Dressing out and driving to yard

REMARKS

Casing going down when drilling.

NW-6.:87

DRILLING LOG

PROJECT NO. C-133

Date 7:16-48
Shift #2
Depth beginning of Shift 41'
Depth completion of Shift 52'

Rig No. #C-22-3127
Well No. 60-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
9:55 to 10:10	45'			Sand and gravel
10:55 to 11:45	48'			Fine basalt sand

OTHER DELAYS	
Time	Explanation
7:48 to 8:05	Getting gas and water
8:05 to 8:30	Driving to well site
8:30 to 8:40	Waiting for welder
8:40 to 9:00	Building up bit
9:00 to 9:30	Welding 6'2" pipe. Total 50'3".
9:30 to 9:40	Letting weld cool
9:40 to 9:55	Driving casing
	(Basalt sand and the gravel is mostly basalt)
10:40 to 10:55	Bailing and taking sample
11:45 to 12:00	Driving casing
12:00 to 12:30	Lunch

REMARKS

NS-6.:87

DRILLING LOG.

PROJECT NO. C-133

Date 7-16-48
Shift #2
Depth beginning of Shift 41'
Depth completion of Shift 52'

Rig No. 40-22-3127
Well No. 40-20 A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
12:20 to 1:05	50'			Fine basalt sand	1:05 to 1:50	Waiting for welder
					1:50 to 2:20	Welding 7' pipe. Total 57'3".
					2:20 to 2:30	Letting weld cool
					2:30 to 2:45	Driving casing
2:45 to 3:30	52'			Fine basalt sand	3:30 to 4:05	Dressing out and driving to yard

REMARKS.

NS-6.:81

DRILLING LOG

PROJECT NO. C-133

Date 7-17-48
Shift #2
Depth beginning of Shift 52'
Depth completion of Shift 57'

Rig No. HO-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
8:55 to 9:50	54'			Sand and gravel and mostly basalt
11:30 to 11:50	55'			Sand and gravel and mostly basalt
12:40 to 2:10	57'			Basalt sand

OTHER DELAYS

Time	Explanation
7:48 to 8:10	Getting gas and water
8:10 to 8:35	Driving to well site
8:35 to 8:55	Driving casing
9:50 to 11:30	Working on motor--leaking oil
11:50 to 12:00	Bailing and taking sample
12:00 to 12:30	Lunch
12:30 to 12:40	Driving casing
2:10 to 2:55	Waiting for welder
2:55 to 3:30	Welding 6'9" pipe. Total 64'.
3:30 to 4:05	Dressing out and driving to yard

REMARKS

Casing drives very hard. When I get below casing the water leaves hole.

HW-6.287

DRILLING LOG

PROJECT NO. 0-133

Date 7-19-43
Shift #2
Depth beginning of Shift 57'
Depth completion of Shift 63'

Rig No. HO-22-3127
Well No. 40-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
9:00 to 10:05	60'			Basalt sand
10:30 to 11:10	62'			Basalt sand
11:15 to 11:45	64'			Basalt sand and gravel

OTHER DELAYS	
Time	Explanation
7:48 to 8:15	Getting gas and water
8:15 to 8:45	Driving to well site
8:45 to 9:00	Driving casing
10:05 to 10:15	Trying to get sample
10:15 to 10:30	Driving casing
11:10 to 11:15	Taking sample
11:45 to 12:00	Building up bit
12:00 to 12:30	Lunch
12:30 to 1:10	Welding 7' pipe. Total 71'.

REMARKS

Water leaves the hole when you drill out of bottom of casing.
Couldn't get 60' sample at 10:05 because of no water in hole.

HW-6.187

DRILLING LOG

PROJECT NO. C-133

Date 7-19-48
Shift #2
Depth beginning of Shift 57'
Depth completion of Shift 68'

Rig No. HC-2-3127
Well No. 60-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
1:20 to 2:00	65'			Basalt sand and gravel	1:10 to 1:20	Driving casing
2:10 to 3:00	67'			Basalt sand and gravel	2:00 to 2:10	Bailing and taking sample
3:05 to 3:30	68'			Basalt sand and gravel	3:00 to 3:05	Bailing
					3:30 to 4:05	Dressing out and driving to yard

REMARKS

HW-6.267

DRILLING LOG

PROJECT NO. C-133

Date 7-20-48
Shift #2
Depth beginning of Shift 68'
Depth completion of Shift 74'

Rig No. HO-22-3127
Well No. 60-20-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:15	Getting gas and water
					8:15 to 8:45	Driving to well site
8:45 to 9:25	70'			Fine gravel--mostly basalt	9:25 to 9:40	Taking sample and bailing
9:10 to 10:10	71'			Fine gravel--mostly basalt	10:10 to 11:05	Changing socket
11:05 to 11:20	71' (No Gain)				11:20 to 11:25	Bailing
					11:25 to 11:35	Putting casing up to weld
					11:35 to 12:00	Welding 6'2" pipe. Total 67'2".
					12:00 to 12:30	Lunch
					12:30 to 12:45	Driving casing

REMARKS

HW-6.287

DRILLING LOG

PROJECT NO. C-133

Date 7-20-48
Shift #2
Depth beginning of Shift 68'
Depth completion of Shift 74'

Rig No. 80-22-1127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
12.45 to 1:10	72'			Sand and gravel--mostly basalt	1:10 to 1:20	Driving casing
1:30 to 2:05	74'			Sand and gravel--mostly basalt	2:05 to 2:10	Bailing
					2:10 to 2:15	Driving casing
					2:15 to 2:40	Beuilding up bit
					2:40 to 2:45	Putting gas in motor
					2:45 to 3:15	Driving to yard and dressing out
					3:15 to 4:05	Special meeting on job reclassifications

REMARKS

HW-6.287

DRILL..G LOG

PROJECT NO. C-133

Date 7-21-48
Shift #2
Depth beginning of Shift 74'
Depth completion of Shift 77'

Rig No. HO-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
9:30 to 10:10	76'			Grey sand
2:45 to 3:30	77'			Grey sand

OTHER DELAYS	
Time	Explanation
7:45 to 8:35	Safety meeting
8:35 to 8:50	Gas, oil and water
8:50 to 9:15	Driving to well site
9:15 to 9:30	Changing motor oil
10:10 to 10:20	Bailing and taking sample
10:20 to 12:00	Waiting for welder
12:00 to 12:30	Lunch
12:30 to 1:05	Welding 6'11" pipe. Total 84'1".
1:05 to 2:45	Working on motor
3:30 to 4:05	Dressing out and driving to yard

REMARKS

Water leaving hole at 75'.

HW-6.287

DRILLING LOG

PROJECT NO. U-133

Date 7-22-48
Shift #2
Depth beginning of Shift 77'
Depth completion of Shift 87'

Rig No. HO-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
8:30 to 9:40	80'			Sand and gravel
9:50 to 11:40	85'			Sand and gravel
12:30 to 12:45	(No Gain)			
1:40 to 3:00	87'			Sand, gravel and rocks
3:30 to 3:30	(No Gain)			

OTHER DELAYS	
Time	Explanation
7:48 to 8:05	Getting gas and water
8:05 to 8:30	Driving to well site
11:40 to 12:00	Bailing, taking sample and driving casing
12:00 to 12:30	Lunch
12:45 to 1:10	Building up bit
1:10 to 1:40	Welding 7' pipe. Total 91'1".
3:00 to 3:20	Bailing and driving casing
3:30 to 4:05	Dressing out and driving to yard

REMARKS

Hit rocks at 86'. Casing drove easy to 86' and drove a little harder to 87'. After driving casing I went down to drill and tools hung up. Need welder to cut casing off so I can put on jars.

DRILLING LOG

PROJECT NO. 6-133

Date 7-23-48
Shift #2
Depth beginning of Shift 87'
Depth completion of Shift 90'

Rig No. HO-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
1:20 to 3:15	90'			Sand, gravel, rocks and lots of basalt

OTHER DELAYS

Time	Explanation
7:48 to 8:05	Getting gas and water
8:05 to 8:35	Driving to well site
8:35 to 8:45	Cutting 3'1" casing off. Total 83'.
8:45 to 10:00	Tearing down tools
10:00 to 10:25	Swedging
10:25 to 11:30	Changing tools
11:30 to 12:00	Going after 6" bit
12:00 to 12:30	Lunch
12:30 to 1:00	Driving back to well site
1:00 to 1:20	Changing bits
1:15 to 3:30	Bailing and taking sample
3:30 to 4:05	Dressing out and driving to yard

REMARKS

HW-6.287

DRILLING LOG

PROJECT NO. C-133

Date 7-24-48
Shift #2
Depth beginning of Shift 90'
Depth completion of Shift 95'

Rig No. MO-22-3127
Well No. 60-30-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:45 to 8:05	Getting gas and water
					8:05 to 8:35	Driving to well site
8:35 to 9:45	95'			Sand, gravel, rocks and lots of basalt	9:45 to 10:00	Bailing and taking sample
					10:00 to 10:35	Changing tools
					10:35 to 12:00	Swedging casing
					12:00 to 12:30	Lunch
					12:30 to 1:25	Changing tools and bits
1:25 to 1:35	(No Gain)				1:35 to 2:00	Changing bits
2:00 to 2:15	(No Gain)				2:15 to 3:30	Waiting for welder
					3:30 to 4:05	Dressing out and driving to yard

REMARKS

Tools hanging up on bottom of casing on the shoe.
Hole started to cave at 95'.

HW-6.287

DRILLING LOG

PROJECT NO. G-133

Date 7-26-48
Shift #2
Depth beginning of Shift 95'
Depth completion of Shift 95'

Rig No. HC-22-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING Time	DRILLING Depth	CORING Time	CORING Depth	TYPE SOIL
9:15 to 10:05	(No Gain)			
3:00 to 3:20	(No Gain)			

OTHER DELAYS Time	Explanation
7:48 to 8:15	Getting gas and water
8:15 to 8:45	Driving to well site
8:45 to 9:15	Welding 4'9" pipe. Total 92'9".
10:05 to 10:30	Bailing
10:20 to 11:05	Changing tools
11:05 to 12:00	Swedging
12:00 to 12:30	Lunch
12:30 to 2:05	Swedging
2:05 to 3:00	Changing tools and bits
3:20 to 3:30	Cutting bit down
3:30 to 4:05	Dressing out and driving to yard

REMARKS

Had to drill the hole out that caved in. Bailer hung up 3 or 4 times when bailing. Tools hang up at 95'.

HW-6.217

DRILLING LOG

PROJECT NO. C-133

Date 7-27-43
Shift #2
Depth beginning of Shift 95'
Depth completion of Shift 95'

Rig No. 80-22-3127
Well No. 60-20-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	
9:05 to 10:50	95' (No Gain)			Sand and rock
11:05 to 12:00	95' (No Gain)			Sand and rock

OTHER DELAYS	
Time	Explanation
7:48 to 8:05	Getting gas and water
8:05 to 8:35	Driving to well site
8:35 to 9:05	Changing bits
10:50 to 11:05	Bailing
12:00 to 12:30	Lunch
12:30 to 1:20	Changing tools
1:20 to 1:40	Swedging
1:40 to 2:20	Getting pipe clamp
2:20 to 3:30	Swedging
3:30 to 4:05	Dressing out and driving to yard

REMARKS

Casing was going down when swedging.

RW-6.287

DRILLING LOG

PROJECT NO. C-133

Date 7-23-48
Shift #2
Depth beginning of Shift 95'
Depth completion of Shift 95'

Rig No. HC-20-3127
Well No. 60-80-A
Driller Greenfield
Foreman Russell

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:45 to 9:00	Safety meeting
					9:00 to 9:10	Getting gas and water
					9:10 to 9:40	Driving to well site
					9:40 to 10:20	Changing tools
10:20 to 12:00	95'					
					12:00 to 12:30	Lunch
					12:30 to 1:15	Changing tools
					1:15 to 1:40	Swedging
					1:40 to 3:30	Tearing down tools and putting line over
					3:30 to 4:05	Dressing out and driving to yard
						(WELL ABANDONED)

REMARKS

Well 60-80 has been abandoned.
Hole caved in from 91' to 95' while swedging and swedge will not go down. Have to drill that out with 6" bit before swedging again. While swedging the swedge was hitting so that you could feel the jars very easy and also drove the casing down about 3".

699-61-26A
A8930

WELL ATTRIBUTES REPORT

WELL ID	A8930	**NORTHING**	142104.96	**FIELD ORDER NO**	
WELL NAME	699-61-26A	**EASTING**	581874.924	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	126.03	**CONST DATE**	
GW OPERABLE UNIT	100-FR-3	**DRILL DATE**	3/31/1943	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

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

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

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

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

WELL ATTRIBUTES REPORT

WELL ID	A8930	**NORTHING**	142104.96	**FIELD ORDER NO**	
WELL NAME	699-61-26A	**EASTING**	581874.924	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	126.03	**CONST DATE**	
GW OPERABLE UNIT	100-FR-3	**DRILL DATE**	3/31/1943	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

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

CHANGES

SCREEN INFORMATION

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

CHANGES

PERFORATION INFORMATION

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

CHANGES

WELL 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
699-60-57	141870.61	60350.40	469.64	155.0	S	6.0	61.0	71.0	SCREEN 55-75 FT, 128-138 FT.
GW	572623.65	-56604.90	8.0	154.0	S	6.0	128.5	148.5	
S			7/72	73.2					GBM-7
699-60-59									BWIP WELL DC-18; WELL CAPPED;
AB			3.5	1560.7					ABANDONED
									DC-18
699-60-60	141764.25	60011.00	512.03	128.0	P	8.0	100.0	127.0	CEMENT PLUG AT 110 FT.
GW	571588.71	-60001.60	8.0	110.0					
B			6/48	110.0					
699-60-60P		60030.00	512.03	125.0	P	1.5	120.0	125.0	60 SLOT SCREEN
GW		-59964.00	1.5	125.0					
			6/77	111.0					
699-61-16A		61467.00	412.52	607.0	P	8.0	122.0	213.0	
				607.0					
				41.0					FOSTERCC-133
				81.0					
				37.0					FOSTER REF.7
									FILLED IN FARM WELL
									T13NR27E15P2
699-61-26A		61050.00	410.00	363.0					CASING REMOVED
AB		-26250.00	6.0						
			3/43						HILLMAN USED
699-61-26B			410.00						FILLED IN FARM WELL
AB			48.0	51.0					
									T13NR27E16R2
699-61-37		60618.00	442.94	76.0	P	6.0	60.0	64.0	SCREEN 71-76 FT.
GW		-37043.00	6.0	76.0	S	6.0	71.0	76.0	
S			7/71	63.0					GM-18
699-61-41		61355.00	428.92	52.0	P	6.0	30.0	40.0	CEMENT PLUG AT 45'
GW		-41118.00	6.0	45.0					
S			7/71	33.0					GM-16
699-61-53		60693.00	763.80	385.0					BWIP WELL DC-11; ABANDONED;
AB		-53026.00	3.0						BACKFILLED
			1/78						DC-11

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

Howard, Bonnie J

: Worley, Scott H
: Wednesday, June 20, 2007 2:21 PM
To: Howard, Bonnie J; Kelty, George
Subject: 699-61-26A appears to be decommissioned...

A 8930

he file for Well 699-61-26A (A8930) has a photo that appears to be from the survey crew that shows a survey stake with 699-61-6A, with no casing visible. There ar no survey data report or any info. on this well. Hanford Wells book says this well was bandoned by removing the casing. Do we need to verify with the survey crew that this well location has been surveyed with no nding of a casing? Or rely on the photo and the Hanford wells book for verification of this well being decommissioned.

his well needs to have the status changed from Candidate for decommissioning to Admin-V.

cott Worley

699-61-26A
Location: N61050, W26250 13/27-16R1
Casing Elevation: 410
Cable tool, 1943, drilled for duPont

Material (1)	Thickness	Depth
Soil	2	2
Sand, loose & some gravel	18	20
Gravel, cemented ("hard pan")	24	44
Sand & pea gravel, water-bearing	30	74
Clay, sticky	46	120
Sand, coarse grading to fine, light-red, water-bearing	11	131
Sand, fine (some clay?)	24	155
Clay	25	180
Sand, fine	12	192
Gravel; "basaltic" rocks & fragments	3	195
Clay	21	216
Clay, soft, silt & sand (gravel at bottom)	24	240
Clay, sticky, bluish-gray; has streaks of light-yellow fine sand	117	357
Gravel, pea-size, & sand	6	363

699-61-37 (GM-18)
Location: N60618, W37043 13/27-18R1
Casing Elevation: 442.94
Cable tool, drilled by Allison of Bach Drilling Company, 1971, hydrologic investigation borehole

Material (1)	Thickness	Depth
Surf sand, brown	3	3
Sand & gravel, size 1 1/2 in., black	22	25
Sand & gravel, size 1 1/2 in., dark	25	50
Sand & gravel, size 2 in. dark	10	60
Sand & gravel, size 1 1/2 in., dark	10	70
Sand, black, medium fine	6	76

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