0024513

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 169852

Proj. ECN

2. ECN Category (mark one)	Supplemental	[]	Change ECN	[]	Supersedure	[]
Cancel/Void	[]	Direct Revision	[X]	Temporary	[]	Discovery	[]

3. Originator's Name, Organization, MSIN, and Telephone No. S. J. Trent/Geosciences (81231)/H4-56/6-7226		4. Date October 30, 1992
5. Project Title/No./Work Order No. 200 AGGREGATE AREA MANAGEMENT STUDY	6. Bldg./Sys./Fac. No. 450 Hills/RHLD	7. Impact Level 4
8. Document Number Affected (include rev. and sheet no.) WHC-SD-EN-DP-019 Rev. 1	9. Related ECN No(s). 164710	10. Related PO No. N/A

11a. Modification Work	11b. Work Package Doc. No.	11c. Complete Installation Work	11d. Complete Restoration (Temp. ECN only)
[] Yes (fill out Blk. 11b) [X] No (NA Blks. 11b, 11c, 11d)	N/A	N/A Cog. Engineer Signature & Date	N/A Cog. Engineer Signature & Date

12. Description of Change

Replacement of Document Figures.

NOV 1992 RECEIVED EDMC

13a. Justification (mark one)	Criteria Change	[]	Environmental	[X]	Facilitate Const.	[]
Design Error/Omission	[]	Design Improvement	[]	As-Found	[]	Const. Error/Omission	[]

13b. Justification Details

Well construction as-builts were originally hand drafted and difficult to read. Replacement figures are of higher quality and easier to read.

14. Distribution (include name, MSIN, and no. of copies)

See attached distribution sheet.

RELEASE STAMP

OFFICIAL RELEASE BY WHC (11)

DATE NOV 06 1992

Station # 12

9413096.0453

A-7900-013-2 (11/88) (EF) GEF095
Engineering Change Notice

A-6400-073 (11/91) (EF) WEF124

A-7900-013-1 (11/88)

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1): 169852

15. Design Verification Required	16. Cost Impact				17. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION			
[] Yes	Additional	[] $	Additional	[] $	Improvement	[]
	Savings	[] $	Savings	[] $	Delay	[]
[X] No						

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	[]	Seismic/Stress Analysis	[]	Tank Calibration Manual	[]
Functional Design Criteria	[]	Stress/Design Report	[]	Health Physics Procedure	[]
Operating Specification	[]	Interface Control Drawing	[]	Spares Multiple Unit Listing	[]
Criticality Specification	[]	Calibration Procedure	[]	Test Procedures/Specification	[]
Conceptual Design Report	[]	Installation Procedure	[]	Component Index	[]
Equipment Spec.	[]	Maintenance Procedure	[]	ASME Coded Item	[]
Const. Spec.	[]	Engineering Procedure	[]	Human Factor Consideration	[]
Procurement Spec.	[]	Operating Instruction	[]	Computer Software	[]
Vendor Information	[]	Operating Procedure	[]	Electric Circuit Schedule	[]
OM Manual	[]	Operational Safety Requirement	[]	ICRS Procedure	[]
FSAR/SAR	[]	IEFD Drawing	[]	Process Control Manual/Plan	[]
Safety Equipment List	[]	Cell Arrangement Drawing	[]	Process Flow Chart	[]
Radiation Work Permit	[]	Essential Material Specification	[]	Purchase Requisition	[]
Environmental Impact Statement	[]	Fac. Proc. Samp. Schedule	[]		[]
Environmental Report	[]	Inspection Plan	[]		[]
Environmental Permit	[]	Inventory Adjustment Request	[]		[]

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number Revision

20. Approvals

Signature		Date	Signature	Date
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER	
Cog./Project Engineer S. J. Trent	H4-56	10/29/92	PE	
Cog./Project Engr. Mgr. R. A. Carlson	H4-55	10/29/92	QA	
QA			Safety	
Safety			Design	
Security			Other	
Proj. Prog./Dept. Mgr.				
Def. React. Div.				
Chem. Proc. Div.				
Def. Wst. Mgmt. Div.			DEPARTMENT OF ENERGY	
Adv. React. Dev. Div.				
Proj. Dept.				
Environ. Div.			ADDITIONAL	
IRM Dept.				
Facility Rep. (Ops.)				
Other C. D. Wittreich	H4-55	10/29/92		

A-6400-073 (11/91) (EF) WEF124

SUPPORTING DOCUMENT

1. Total Pages 52

2. Title	3. Number	4. Rev No.
U Plant Geologic and Geophysics Data Package for the 200 Aggregate Area Management Study	WHC-SD-EN-DP-019	2

5. Key Words

Geophysics, Data Package, U Plant, AAMS

APPROVED FOR PUBLIC RELEASE 11/2/92 N. Solis

6. Author

Name: S. J. Trent

Signature

Organization/Charge Code 81231/PLB25

7. Abstract

WHC, 1992, *U Plant Geologic and Geophysics Data Package for the 200 Aggregate Area Management Study*, WHC-SD-EN-DP-019, Rev. 2, prepared by M. A. Chamness, S. S. Teel, A. W. Pearson, K. R. O. Barton, R. W. Fruland, and R. E. Lewis, Pacific Northwest laboratory, for Westinghouse Hanford Company, Richland, Washington.

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9. Impact Level 4

10. RELEASE STAMP

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WHC-SD-EN-DP-019 Rev 2

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9413096.0456

RECORD OF REVISION	(1) Document Number WHC-SD-EN-DP-019 Rev. 2	Page 1

(2) Title
U Plant Geologic and Geophysics Data Package for the 200 Aggregate Area Management

CHANGE CONTROL RECORD

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release	
		(5) Cog. Engr.	(6) Cog. Mgr. Date
0	(7)	S. J. Trent	R. A. Carlson
1		S. J. Trent	R. A. Carlson
2 RS	Replace figures as per ECN # 169852	S. J. Trent	R. A. Carlson RA Carlson 10/29/92

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INTRODUCTION

This data package includes all of the geologic and geophysical information requested by the Westinghouse Hanford Company (WHC) for the U-Plant aggregate area. This information includes a listing of all of the boreholes within this aggregate area as defined by WHC and amended by the Pacific Northwest Laboratory. Geophysical data (Table 1) includes the type of log, date, and interval logged for each of the above wells, as well as the location where these data are stored. Table 2 includes the types of geologic data available for each of these wells (i.e., driller's log, geologist's log) and any other related data (sieve, $CaCO_3$ content, moisture content, and chemical analyses). Table 3 provides a summary of the well construction information for each well including drill depth, completion depth, screened interval, and coordinates. As-built diagrams for the following wells are provided in the Appendix.

299-W14-7
299-W18-15
299-W18-18
299-W18-19
299-W18-20
299-W19-1
299-W19-3
299-W19-4
299-W19-10
299-W19-14
299-W19-20
299-W19-24
299-W22-23
299-W23-11

9413096.0459

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W14-7	NOT LOGGED							
299-W14-63	NOT LOGGED							
299-W18-15	NAT. GAMMA	9/23/86	3	244	PNL	JENSEN	NG 001	ç
299-W18-18	NOT LOGGED							
299-W18-19	NOT LOGGED							
299-W18-20	NOT LOGGED							
299-W18-25	NAT. GAMMA	10/29/90	3.4	136	PNL	PEARSON	CG 27A97	WHC
299-W18-25	NAT. GAMMA	11/29/90	130	214.6	PNL	PEARSON	CG 27A97	WHC
299-W18-27	GROSS GAMMA	4/18/91	4	160	PNL	PEARSON	CG 27A97	WHC
299-W18-27	GROSS GAMMA	5/7/91	130	237	PNL	PEARSON	CG 27A97	WHC
299-W18-28	GROSS GAMMA	4/19/91	2.7	147.4	PNL	PEARSON	CG 27A97	WHC
299-W18-28	GROSS GAMMA	5/9/91	115	228.7	PNL	PEARSON	CG 27A97	WHC
299-W18-29	GROSS GAMMA	4/17/91	4	135	PNL	PEARSON	CG 27A97	WHC
299-W18-30	GROSS GAMMA	9/23/91	1	130.7	PNL	PEARSON	CG 27A97	WHC
299-W18-30	GROSS GAMMA	10/7/91	100	232.7	PNL	PEARSON	CG 27A97	WHC
299-W18-31	GROSS GAMMA	9/12/91	0.4	128.3	PNL	PEARSON	CG 27A97	WHC
299-W18-31	GROSS GAMMA	10/3/91	100	227.2	PNL	PEARSON	CG 27A97	WHC
299-W18-51	NAT. GAMMA	5/8/63	0	128	PNL	V.L. McGHAN		å
299-W18-52	NAT. GAMMA	5/8/63	0	131	PNL	V.L. McGHAN		å
299-W18-53	NAT. GAMMA	5/8/63	0	148	PNL	V.L. McGHAN		å

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W18-54	NAT. GAMMA	5/8/63	0	145	PNL	V.L. McGHAN		a
299-W18-55	NAT. GAMMA	5/8/63	0	76	PNL	V.L. McGHAN		a
299-W18-90	NOT LOGGED							
299-W18-91	NOT LOGGED							
299-W18-92	NOT LOGGED							
299-W18-100	NOT LOGGED							
299-W18-101	NOT LOGGED							
299-W18-102	NOT LOGGED							
299-W18-103	NOT LOGGED							
299-W18-104	NOT LOGGED							
299-W18-105	NOT LOGGED							
299-W18-109	NOT LOGGED							
299-W18-110	NOT LOGGED							
299-W18-113	NOT LOGGED							
299-W18-114	NOT LOGGED							
299-W18-115	NOT LOGGED							
299-W18-116	NOT LOGGED							
299-W18-117	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W18-118	NOT LOGGED							
299-W18-119	NOT LOGGED							
299-W18-120	NOT LOGGED							
299-W18-121	NOT LOGGED							
299-W18-122	NOT LOGGED							
299-W18-123	NOT LOGGED							
299-W18-124	NOT LOGGED							
299-W18-125	NOT LOGGED							
299-W18-126	NOT LOGGED							
299-W18-127	NOT LOGGED							
299-W18-128	NOT LOGGED							
299-W18-129	NOT LOGGED							
299-W18-130	NOT LOGGED							
299-W18-131	NOT LOGGED							
299-W18-132	NOT LOGGED							
299-W18-133	NOT LOGGED							
299-W18-134	NOT LOGGED							
299-W18-135	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W18-136	NOT LOGGED							
299-W18-137	NOT LOGGED							
299-W18-138	NOT LOGGED							
299-W18-139	NOT LOGGED							
299-W18-140	NOT LOGGED							
299-W18-141	NOT LOGGED							
299-W18-142	NOT LOGGED							
299-W18-143	NOT LOGGED							
299-W18-144	NOT LOGGED							
299-W18-145	NOT LOGGED							
299-W18-146	NOT LOGGED							
299-W18-147	NOT LOGGED							
299-W18-148	NOT LOGGED							
299-W18-176	NOT LOGGED							
299-W18-177	NAT. GAMMA	6/24/86	2	86	PNL	E.J. JENSEN	NG 001	Ç
299-W18-177	NAT. GAMMA	9/16/87	5	87	PNL	V.L. McGHAN	NG 001	Ç
299-W18-178	NOT LOGGED							
299-W18-186	NOT LOGGED							
299-W18-187	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W18-188	NOT LOGGED							
299-W18-195	NOT LOGGED							
299-W18-196	NOT LOGGED							
299-W18-199	NOT LOGGED							
299-W18-200	NOT LOGGED							
299-W18-207	NOT LOGGED							
299-W18-208	NOT LOGGED							
299-W18-209	NOT LOGGED							
299-W18-210	NOT LOGGED							
299-W18-211	NOT LOGGED							
299-W18-212	NOT LOGGED							
299-W18-213	NOT LOGGED							
299-W18-214	NOT LOGGED							
299-W18-215	NOT LOGGED							
299-W18-217	NOT LOGGED							
299-W18-218	NOT LOGGED							
299-W18-219	NOT LOGGED							
299-W18-220	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W19-1	NAT. GAMMA	2/28/58	0	186	PNL	V.L. McGHAN		µ
299-W19-1	NAT. GAMMA	7/24/59	0	200	PNL	V.L. McGHAN		µ
299-W19-1	TEMP.	3/2/62	201	280	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	5/3/62	202	280	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	7/12/62	201	280	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	9/6/62	202	281	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	11/6/62	202	280	PNL	V.L. McGHAN		Δ
299-W19-1	TEMP.	1/17/63	201	281	PNL	V.L. McGHAN		®
299-W19-1	NAT. GAMMA	5/3/63	0	275	PNL	V.L. McGHAN		å
299-W19-1	TEMP.	8/2/63	201	276	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	12/26/63	200	214	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	12/30/64	198	250	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	5/10/67	194	250	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	4/10/68	196	250	PNL	V.L. McGHAN		®
299-W19-1	TEMP.	2/21/74	210	248	PNL	V.L. McGHAN		®
299-W19-1	NAT. GAMMA	5/19/87	3	207	PNL	V.L. McGHAN	NG 001	Ç
299-W19-1	NEUTRON	5/19/87	3	208	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-1	DENSITY	5/19/87	1	207	PNL	V.L. McGHAN	GG-001	Ω
299-W19-2	NAT. GAMMA	3/3/58	0	221	PNL	V.L. McGHAN		µ
299-W19-2	NAT. GAMMA	7/24/59	0	228	PNL	V.L. McGHAN		µ
299-W19-2	TEMP.	3/2/62	237	254	PNL	V.L. McGHAN		®
299-W19-2	TEMP.	5/3/62	239	254	PNL	V.L. McGHAN		®
299-W19-2	TEMP.	9/6/62	239	254	PNL	V.L. McGHAN		®
299-W19-2	TEMP.	11/6/62	238	256	PNL	V.L. McGHAN		®
299-W19-2	TEMP.	1/17/63	237	356	PNL	V.L. McGHAN		®
299-W19-2	NAT. GAMMA	5/6/63	0	254	PNL	V.L. McGHAN		å
299-W19-2	TEMP.	8/2/63	236	254	PNL	V.L. McGHAN		®
299-W19-2	TEMP.	12/26/63	235	250	PNL	V.L. McGHAN		®
299-W19-2	NAT. GAMMA	7/2/65	0	245	PNL	V.L. McGHAN		å
299-W19-2	TEMP.	5/10/67	228	243	PNL	V.L. McGHAN		®
299-W19-2	NAT. GAMMA	2/16/68	0	239	PNL	V.L. McGHAN		å
299-W19-2	TEMP.	4/10/68	230	250	PNL	V.L. McGHAN		®
299-W19-2	NAT. GAMMA	3/26/70	0	242	PNL	V.L. McGHAN		å
299-W19-2	TEMP.	2/21/74	231	239	PNL	V.L. McGHAN		®

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W19-2	NAT. GAMMA	5/13/76	4	239	PNL	V.L. McGHAN		ç
299-W19-2	DENSITY	6/23/76	3	239	PNL	V.L. McGHAN		Ω
299-W19-2	NEUTRON	2/22/77	5	239	PNL	V.L. McGHAN		≈
299-W19-3	NAT. GAMMA	2/28/58	0	212	PNL	V.L. McGHAN		µ
299-W19-3	NAT. GAMMA	7/24/59	0	238	PNL	V.L. McGHAN		µ
299-W19-3	TEMP.	3/2/62	238	283	PNL	V.L. McGHAN		®
299-W19-3	TEMP.	5/3/62	233	283	PNL	V.L. McGHAN		®
299-W19-3	NAT. GAMMA	5/6/63	252	252	PNL	V.L. McGHAN		å
299-W19-3	NEUTRON	4/9/65	0	226	PNL	V.L. McGHAN		√
299-W19-3	NAT. GAMMA	7/15/65	0	237	PNL	V.L. McGHAN		å
299-W19-3	NAT. GAMMA	2/23/68	0	252	PNL	V.L. McGHAN		å
299-W19-3	NEUTRON	6/6/68	0	222	PNL	V.L. McGHAN		√
299-W19-3	NAT. GAMMA	2/2/70	0	205	PNL	V.L. McGHAN		å
299-W19-3	NAT. GAMMA	2/18/70	0	252	PNL	V.L. McGHAN		å
299-W19-3	TEMP.	2/21/74	228	244	PNL	V.L. McGHAN		®
299-W19-3	NAT. GAMMA	5/14/76	4	242	PNL	V.L. McGHAN		ç
299-W19-3	DENSITY	6/23/76	2	242	PNL	V.L. McGHAN		Ω
299-W19-3	DENSITY	11/19/76	4	244	PNL	V.L. McGHAN		∫
299-W19-3	NEUTRON	2/23/77	4	244	PNL	V.L. McGHAN		≈
299-W19-3	NAT. GAMMA	3/9/85	5	246	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-3	NEUTRON	3/9/85	5	245	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-3	NAT. GAMMA	4/18/85	2	241	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-4	TEMP.	2/1/62	259	361	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	3/2/62	259	423	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	4/26/62	261	513	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	8/22/62	259	514	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	11/6/62	260	514	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	1/17/63	259	514	PNL	V.L. McGHAN		®
299-W19-4	NAT. GAMMA	5/6/63	0	513	PNL	V.L. McGHAN		å
299-W19-4	TEMP.	8/2/63	259	503	PNL	V.L. McGHAN		®
299-W19-4	NEUTRON	1/28/64	0	261	PNL	V.L. McGHAN		√
299-W19-4	NEUTRON	2/6/64	0	258	PNL	V.L. McGHAN		√
299-W19-4	NEUTRON	2/11/64	0	257	PNL	V.L. McGHAN		√
299-W19-4	TEMP.	1/6/65	261	469	PNL	V.L. McGHAN		®

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W19-4	TEMP.	2/18/65	257	440	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	2/23/65	260	469	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	5/10/67	257	469	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	11/11/68	257	470	PNL	V.L. McGHAN		®
299-W19-4	TEMP.	2/21/74	256	463	PNL	V.L. McGHAN		®
299-W19-7	NAT. GAMMA	1/9/69	0	224	PNL	V.L. McGHAN		à
299-W19-7	NEUTRON	1/9/69	0	214	PNL	V.L. McGHAN		√
299-W19-7	NAT. GAMMA	3/3/70	0	221	PNL	V.L. McGHAN		à
299-W19-7	NAT. GAMMA	5/13/76	4	222	PNL	V.L. McGHAN		ç
299-W19-7	DENSITY	6/23/76	4	222	PNL	V.L. McGHAN		Ω
299-W19-7	NEUTRON	2/24/77	4	222	PNL	V.L. McGHAN		≈
299-W19-8	NAT. GAMMA	9/22/71	0	302	PNL	V.L. McGHAN		à
299-W19-8	NEUTRON	9/22/71	1	245	PNL	V.L. McGHAN		√
299-W19-8	NAT. GAMMA	4/5/85	5	578	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-8	NEUTRON	4/5/85	2	578	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-9	NAT. GAMMA	3/9/85	5	105	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-9	NEUTRON	3/9/85	5	104	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-9	CALIPER	4/2/85	4	105	PNL	V.L. McGHAN		ß
299-W19-9	CALIPER	4/12/85	4	105	PNL	V.L. McGHAN		ß
299-W19-9	NAT. GAMMA	5/9/85	5	284	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-9	CALIPER	5/9/85	6	281	PNL	V.L. McGHAN		ß
299-W19-10	DENSITY	6/3/76	2	514	PNL	V.L. McGHAN		Ω
299-W19-10	NEUTRON	2/24/77	5	468	PNL	V.L. McGHAN		≈
299-W19-10	TEMP.	6/24/81	200	467	PNL	PARKHURST		Σ
299-W19-10	TEMP.	5/18/82	300	675	PNL			Σ
299-W19-11	NAT. GAMMA	3/9/85	5	249	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-11	NEUTRON	3/9/85	3	250	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-11	NAT. GAMMA	4/18/85	5	249	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-12	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W19-13	NAT. GAMMA	3/14/85	5	250	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-13	NEUTRON	3/14/85	5	250	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-13	NAT. GAMMA	4/18/85	2	241	PNL	E.J. JENSEN	CG 27A97	LOG MISSING
299-W19-14	NAT. GAMMA	3/14/85	6	245	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-14	NEUTRON	3/14/85	6	247	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-15	NAT. GAMMA	4/2/85	3	167	PNL	V.L. McGHAN	CG 27A97	ç
299-W19-15	NEUTRON	4/2/85	4	167	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-15	DENSITY	4/2/85	1	166	PNL	E.J. JENSEN	GG-001	Ω
299-W19-15	NAT. GAMMA	5/24/85	2	283	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-15	NEUTRON	5/24/85	3	282	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-15	DENSITY	5/24/85	1	285	PNL	E.J. JENSEN	GG-001	Ω
299-W19-16	NAT. GAMMA	4/15/85	2	169	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-16	NEUTRON	4/15/85	2	168	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-16	DENSITY	4/15/85	2	169	PNL	E.J. JENSEN	GG-001	Ω
299-W19-16	NAT. GAMMA	4/20/85	6	200	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-16	NEUTRON	4/20/85	6	200	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-16	DENSITY	4/20/85	3	200	PNL	E.J. JENSEN	GG-001	Ω
299-W19-16	NAT. GAMMA	5/24/85	4	277	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-16	NEUTRON	5/24/85	4	277	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-16	DENSITY	5/24/85	2	273	PNL	E.J. JENSEN	GG-001	Ω
299-W19-16	NAT. GAMMA	6/12/85	2	285	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-17	NAT. GAMMA	12/10/85	2	355	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-18	NAT. GAMMA	11/27/85	5	356	PNL	E.J. JENSEN	CG 27A97	ç
299-W19-19	DENSITY	1/26/87	1	248	PNL	E.J. JENSEN	GG-48	Ω
299-W19-19	NEUTRON	1/26/87	3	249	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-19	NAT. GAMMA	1/26/87	2	249	PNL	M. FRESHLEY	CG 27A97	ç
299-W19-20	NAT. GAMMA	6/2/86	2	249	PNL	E.J. JENSEN	NG 001	ç
299-W19-20	NEUTRON	6/2/86	3	250	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-20	NAT. GAMMA	6/17/86	2	248	PNL	E.J. JENSEN	NG 001	ç

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W19-21	NAT. GAMMA	6/2/86	2	142	PNL	E.J. JENSEN	NG 001	ç
299-W19-21	NEUTRON	6/2/86	4	143	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-21	NAT. GAMMA	7/8/86	2	223	PNL	E.J. JENSEN	NG 001	ç
299-W19-22	NAT. GAMMA	6/2/86	2	137	PNL	E.J. JENSEN	NG 001	çç
299-W19-22	NEUTRON	6/2/86	3	137	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-22	NAT. GAMMA	6/17/86	2	130	PNL	E.J. JENSEN	NG 001	çç
299-W19-23	NAT. GAMMA	3/5/87	5	252	PNL	V.L. McGHAN	NG 001	çç
299-W19-23	NEUTRON	3/9/87	3	252	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-23	DENSITY	3/9/87	1	252	PNL	V.L. McGHAN	GG-48	Ω
299-W19-23	NAT. GAMMA	3/25/87	2	251	PNL	E.J. JENSEN	NG 001	çç
299-W19-23	NEUTRON	3/25/87	3	253	PNL	E.J. JENSEN	CN 27U5A7	≈
299-W19-23	DENSITY	3/25/87	0	252	PNL	E.J. JENSEN	GG-48	Ω
299-W19-24	NAT. GAMMA	3/12/87	2	251	PNL	V.L. McGHAN	NG 001	çç
299-W19-24	NEUTRON	3/12/87	2	251	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-24	DENSITY	3/12/87	0	251	PNL	V.L. McGHAN	GG-48	Ω
299-W19-24	NAT. GAMMA	4/16/87	1	249	PNL	V.L. McGHAN	NG 001	çç
299-W19-24	NEUTRON	4/16/87	2	249	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-24	DENSITY	4/16/87	1	249	PNL	V.L. McGHAN	GG-001	Ω
299-W19-25	NAT. GAMMA	4/16/87	2	246	PNL	V.L. McGHAN	NG 001	çç
299-W19-26	NAT. GAMMA	4/7/87	0	147	PNL	V.L. McGHAN	NG 001	ççç
299-W19-26	NAT. GAMMA	4/16/87	2	248	PNL	V.L. McGHAN	NG 001	çç
299-W19-26	NEUTRON	4/16/87	2	248	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-26	DENSITY	4/16/87	1	248	PNL	V.L. McGHAN	GG-001	Ω
299-W19-27	NAT. GAMMA	4/24/87	4	225	PNL	V.L. McGHAN	NG 001	çç
299-W19-28	NAT. GAMMA	6/6/89	2	179	PNL	McGHAN	CG 27A97	œ WHC
299-W19-28	NAT. GAMMA	11/6/89	0.8	254.3	PNL	McGHAN	CG 27A97	WHC
299-W19-29	NAT. GAMMA	6/8/89	3	188	PNL	McGHAN	CG 27A97	œ WHC

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W19-29	NAT. GAMMA	6/27/89	140	255	PNL	McGHAN	CG 27A97	œ WHC
299-W19-29	NAT. GAMMA	11/6/89	2.5	254.7	PNL	McGHAN	CG 27A97	œ WHC
299-W19-29	CALIPER	11/6/89	2.5	254.7	PNL	McGHAN		WHC
299-W19-30	NAT. GAMMA	4/27/90	3.4	69.2	PNL	PEARSON &Mc	CG 27A97	œ WHC
299-W19-31	NAT. GAMMA	10/22/90	3.1	136.3	PNL	PEARSON	CG 27A97	WHC
299-W19-31	NAT. GAMMA	12/6/90	130	224.5	PNL	PEARSON	CG 27A97	WHC
299-W19-32	NAT. GAMMA	10/17/90	3.8	143.1	PNL	PEARSON	CG 27A97	WHC
299-W19-32	NAT. GAMMA	11/13/90	130	216.6	PNL	PEARSON	CG 27A97	WHC
299-W19-51	NOT LOGGED							
299-W19-52	NOT LOGGED							
299-W19-53	NAT. GAMMA	5/8/63	0	148	PNL	V.L. McGHAN		å
299-W19-54	NAT. GAMMA	5/8/63	0	148	PNL	V.L. McGHAN		å
299-W19-55	NOT LOGGED							
299-W19-69	NOT LOGGED							
299-W19-70	NAT. GAMMA	12/3/76	4	82	PNL	V.L. McGHAN		çç
299-W19-71	NAT. GAMMA	12/3/76	5	64	PNL	V.L. McGHAN		çç
299-W19-72	NOT LOGGED							
299-W19-73	NOT LOGGED							
299-W19-74	NOT LOGGED							
299-W19-75	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W19-76	NOT LOGGED							
299-W19-89	NAT. GAMMA	2/5/87	3	157	PNL	V.L. McGHAN	NG 001	ç̧ç̧
299-W19-90	NAT. GAMMA	2/5/87	3	158	PNL	V.L. McGHAN	NG 001	ç̧ç̧
299-W19-91	NAT. GAMMA	4/7/87	2	113	PNL	V.L. McGHAN	NG 001	ç̧ç̧ç̧
299-W19-91	NEUTRON	4/7/87	2	113	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-91	DENSITY	4/7/87	1	113	PNL	V.L. McGHAN	GG-001	Ω
299-W19-92	NAT. GAMMA	4/7/87	2	120	PNL	V.L. McGHAN	NG 001	ç̧ç̧
299-W19-92	NEUTRON	4/7/87	3	120	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-92	DENSITY	4/7/87	1	120	PNL	V.L. McGHAN	GG-48	Ω
299-W19-93	NAT. GAMMA	5/19/87	2	112	PNL	V.L. McGHAN	NG 001	ç̧ç̧
299-W19-93	NEUTRON	5/19/87	2	112	PNL	V.L. McGHAN	CN 27U5A7	≈
299-W19-93	DENSITY	5/19/87	1	112	PNL	V.L. McGHAN	GG-001	Ω
299-W21-51	NOT LOGGED							
299-W21-52	NOT LOGGED							
299-W21-53	NOT LOGGED							
299-W21-54	NOT LOGGED							
299-W21-55	NOT LOGGED							
299-W21-56	NOT LOGGED							
299-W21-57	NOT LOGGED							
299-W21-58	NOT LOGGED							
299-W21-59	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W21-60	NOT LOGGED							
299-W21-61	NOT LOGGED							
299-W21-62	NOT LOGGED							
299-W21-63	NOT LOGGED							
299-W21-64	NOT LOGGED							
299-W21-65	NOT LOGGED							
299-W21-66	NOT LOGGED							
299-W21-67	NOT LOGGED							
299-W21-68	NOT LOGGED							
299-W21-69	NOT LOGGED							
299-W21-70	NOT LOGGED							
299-W21-71	NOT LOGGED							
299-W21-72	NOT LOGGED							
299-W21-73	NOT LOGGED							
299-W21-74	NOT LOGGED							
299-W21-75	NOT LOGGED							
299-W21-76	NOT LOGGED							
299-W21-77	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W21-78	NOT LOGGED							
299-W21-79	NOT LOGGED							
299-W21-80	NOT LOGGED							
299-W21-81	NOT LOGGED							
299-W21-82	NOT LOGGED							
299-W21-83	NOT LOGGED							
299-W22-22	NAT. GAMMA	5/6/63	0	297	PNL	V.L. McGHAN		å
299-W22-22	NEUTRON	4/9/65	0	206	PNL	V.L. McGHAN		√
299-W22-22	NAT. GAMMA	7/2/65	0	297	PNL	V.L. McGHAN		å
299-W22-22	NAT. GAMMA	2/23/68	0	297	PNL	V.L. McGHAN		å
299-W22-22	NAT. GAMMA	3/27/70	0	297	PNL	V.L. McGHAN		å
299-W22-22	NAT. GAMMA	2/23/76	4	297	PNL	V.L. McGHAN		çç
299-W22-22	DENSITY	6/23/76	3	297	PNL	V.L. McGHAN		Ω
299-W22-22	NAT. GAMMA	12/2/76	4	229	PNL	V.L. McGHAN		çç
299-W22-22	NEUTRON	2/22/77	4	298	PNL	V.L. McGHAN		≈
299-W22-22	NAT. GAMMA	9/29/82	6	299	PNL	V.L. McGHAN	NG001	çç
299-W22-22	NEUTRON	9/29/82	8	299	PNL	V.L. McGHAN	CGN 27U5A32	≈
299-W22-23	NAT. GAMMA	5/6/63	0	234	PNL	V.L. McGHAN		å
299-W22-23	NEUTRON	4/9/65	0	226	PNL	V.L. McGHAN		√
299-W22-23	NAT. GAMMA	7/2/65	0	230	PNL	V.L. McGHAN		å
299-W22-23	NAT. GAMMA	2/23/68	0	230	PNL	V.L. McGHAN		å
299-W22-23	NAT. GAMMA	5/13/76	4	230	PNL	V.L. McGHAN		çç
299-W22-23	DENSITY	6/23/76	2	229	PNL	V.L. McGHAN		Ω
299-W22-23	NEUTRON	2/22/77	4	230	PNL	V.L. McGHAN	CGN 27U5A32	≈
299-W22-23	NAT. GAMMA	8/25/82	5	229	PNL	V.L. McGHAN	NG001	çç
299-W22-24	TEMP.	3/2/62	232	390	PNL	V.L. McGHAN		®
299-W22-24	TEMP.	5/3/62	236	564	PNL	V.L. McGHAN		®
299-W22-24	TEMP.	7/26/62	236	564	PNL	V.L. McGHAN		®

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W22-24	TEMP.	5/10/67	231	482	PNL	V.L. McGHAN		®
299-W22-24	TEMP.	2/21/74	231	475	PNL	V.L. McGHAN		®
299-W22-28	NAT. GAMMA	3/19/64	0	234	PNL	V.L. McGHAN		å
299-W22-28	NEUTRON	4/9/65	0	223	PNL	V.L. McGHAN		√
299-W22-28	NAT. GAMMA	1/31/66	0	232	PNL	V.L. McGHAN		å
299-W22-28	NAT. GAMMA	2/23/68	0	230	PNL	V.L. McGHAN		å
299-W22-28	TEMP.	2/21/74	0	232	PNL	V.L. McGHAN		®
299-W22-40	NAT. GAMMA	3/12/90	3	143	PNL	McGHAN	CG 27A97	œ WHC
299-W22-40	NAT. GAMMA	3/30/90	110	243	PNL	McGHAN	CG 27A97	œ WHC
299-W22-40	NAT. GAMMA	5/4/90	2	244.6	PNL	McGHAN	CG 27A97	œ WHC
299-W22-41	NAT. GAMMA	3/5/90	2.5	237	PNL	McGHAN	CG 27A97	œ WHC
299-W22-41	NAT. GAMMA	5/4/90	2	244.9	PNL	McGHAN	CG 27A97	œ WHC
299-W22-42	NAT. GAMMA	2/23/90	3.8	137.3	PNL	McGHAN	CG 27A97	œ WHC
299-W22-42	NAT. GAMMA	3/5/90	100	242.8	PNL	McGHAN	CG 27A97	œ WHC
299-W22-42	NAT. GAMMA	4/27/90	4	235.8	PNL	McGHAN	CG 27A97	œ WHC
299-W22-43	NAT. GAMMA	3/5/90	2.9	135	PNL	McGHAN	CG 27A97	œ WHC
299-W22-43	NAT. GAMMA	3/30/90	105	242	PNL	McGHAN	CG 27A97	œ WHC
299-W22-43	NAT. GAMMA	5/4/90	2	243.9	PNL	McGHAN	CG 27A97	œ WHC
299-W22-60	NAT. GAMMA	7/2/65	0	26	PNL	V.L. McGHAN		å
299-W22-60	NAT. GAMMA	2/23/68	0	26	PNL	V.L. McGHAN		å
299-W22-73	NAT. GAMMA	8/25/82	5	59	PNL	V.L. McGHAN	NG001	çç
299-W22-73	NEUTRON	8/25/82	8	60	PNL	V.L. McGHAN	CGN 27U5A32	≈
299-W22-75	NAT. GAMMA	8/25/82	5	171	PNL	V.L. McGHAN	NG001	çç
299-W22-75	NEUTRON	8/25/82	7	172	PNL	V.L. McGHAN	CGN 27U5A32	≈
299-W23-4	NAT. GAMMA	2/28/58	0	174	PNL	V.L. McGHAN		µ
299-W23-4	NAT. GAMMA	8/5/59	0	189	PNL	V.L. McGHAN		µ
299-W23-4	TEMP.	3/2/62	187	277	PNL	V.L. McGHAN		®

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

WELL	LOG RUN	DATE	TOP	BOTTOM	LOGGED BY	LOGGER	PROBE #	LOG LOCATION
299-W23-4	TEMP.	5/3/62	187	278	PNL	V.L. McGHAN		®
299-W23-4	TEMP.	11/6/62	189	278	PNL	V.L. McGHAN		®
299-W23-4	TEMP.	1/17/63	189	277	PNL	V.L. McGHAN		®
299-W23-4	NAT. GAMMA	5/7/63	0	277	PNL	V.L. McGHAN		å
299-W23-4	TEMP.	8/26/63	188	271	PNL	V.L. McGHAN		®
299-W23-4	NEUTRON	4/9/65	0	184	PNL	V.L. McGHAN		√
299-W23-4	TEMP.	5/10/67	181	258	PNL	V.L. McGHAN		®
299-W23-4	NAT. GAMMA	2/22/68	0	256	PNL	V.L. McGHAN		å
299-W23-4	TEMP.	4/10/68	182	269	PNL	V.L. McGHAN		®
299-W23-4	NAT. GAMMA	4/8/70	0	256	PNL	V.L. McGHAN		å
299-W23-4	TEMP.	2/21/74	192	253	PNL	V.L. McGHAN		®
299-W23-4	NAT. GAMMA	2/23/76	4	257	PNL	V.L. McGHAN		çç
299-W23-4	DENSITY	6/24/76	4	255	PNL	V.L. McGHAN		Ω
299-W23-4	DENSITY	11/19/76	3	255	PNL	V.L. McGHAN		∫
299-W23-4	NEUTRON	2/23/77	5	257	PNL	V.L. McGHAN		≈
299-W23-11	TEMP.	3/4/74	189	216	PNL	V.L. McGHAN		®
299-W23-11	NAT. GAMMA	5/18/76	4	228	PNL	V.L. McGHAN		çç
299-W23-11	DENSITY	6/24/76	5	226	PNL	V.L. McGHAN		Ω
299-W23-11	NEUTRON	2/18/77	5	228	PNL	V.L. McGHAN		≈
299-W23-13	NAT. GAMMA	11/5/90	2.1	143	PNL	PEARSON	CG 27A97	WHC
299-W23-13	NAT. GAMMA	11/30/90	30	215.9	PNL	PEARSON	CG 27A97	WHC
299-W23-63	NOT LOGGED							
299-W23-71	NOT LOGGED							
299-W23-210	NOT LOGGED							
299-W23-228	NOT LOGGED							

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

NOTES:						
Wells with the notation "NOT LOGGED" may have been logged by Tank Farm personnel.						
Ω	Density Logs		PNL, Rm 2521	Big Notebook		
	200 West Area					
	299 W6-2 to 299 W26-5					
≈	Neutron Logs		PNL, Rm 2521	Big Notebook		
	200 West Area					
	299-W6-2 to 299-W26-5					
ç	Gamma Logs		PNL, Rm 2521	Big Notebook		
	200 West Area					
	299-W6-2 to 299-W25-51					
çç	Same as above					
	Except composed of loose sheets screwed together					
ççç	Same as above					
	Loose sheets in plastic envelopes					
√	Neutron Logs		PNL, Rm 2606	Small Notebook		
	200 Areas	Bottom drawer of file cabinet				
	299 E13-1 to 299-W26-3					
∫	Density		PNL, Rm 2521	Big Notebook		
	(w/out source)					
	200 West Area					
	299-W10-1 to 299-W23-4					
µ	Gamma Logs (Old)		PNL, Rm 2521	Medium Notebook		
	200 West Area					
	299-W6-1 to 699-32-77					
â	Gamma--Scintillation		PNL, Rm 2521	Small Notebook		
	200 West Area					
	299-W6-1 to 299-W26-3					

TABLE 1. GEOPHYSICAL LOGS FOR U-PLANT AGGREGATE AREA

ß	Caliper Logs		PNL, Rm 2521	Big Notebook		
	200 Areas					
	299-W18-24 to 299-E26-8					
ƒ	Temperature-Logs		PNL, Rm 2606	Small Notebook		
	200 Areas	Bottom drawer of file cabinet				
	299-W6-1 to 299-E33-18					
Δ	Temperature Data from		PNL, Rm 2606	Medium Notebook		
	Selected Monitoring Wells	Bottom drawer of file cabinet				
œ	Filed Logs		PNL, Rm 2606			
		Top drawer of file cabinet				
Σ	Temperature Logs		PNL, Rm 2606	Large Notebook		
	200 West Area	Bottom drawer of file cabinet				
	299-W11-26 to 299-W19-10					
®	Temperature Logs		PNL, Rm 2606	Small Notebook		
	200 West Area	Bottom drawer of file cabinet				
	299-W6-1 to 299-W26-3					
¥	Density--600 Area		PNL, Rm 2606	Large Notebook		
	699-40-1 to 699-97-51A	Top of file cabinet				
π	Gamma Scintillation		PNL, Rm 2521	Large Notebook		
	200 East Area					
	299-E25-1 to 299-E25-97					

TABLE 2. SAMPLE DATA FOR U-PLANT AGGREGATE AREA

Well	Geologic logs	Sieved	CaCO3	Moisture	Chemistry	Archived	Source
299-W14-7	D	Y	Y			Y	
299-W14-63	D	Y	YL			Y	
299-W18-15	D	Y	Y	Y	Cs, Pu	Y	PNL Files
299-W18-18	D					Y	
299-W18-19	D					Y	
299-W18-20	D					Y	
299-W18-25	G		Y	Y		Y	Caggiano 1992
299-W18-27	G					Y	450 Hills St Geosciences Fil
299-W18-28	G					Y	450 Hills St Geosciences Fil
299-W18-29	G					Y	450 Hills St Geosciences Fil
299-W18-30	G					Y	450 Hills St Geosciences Fil
299-W18-31	G					Y	450 Hills St Geosciences Fil
299-W18-51	D						
299-W18-52	D						
299-W18-53	D						
299-W18-54	D						
299-W18-55	D						
299-W18-90	D						
299-W18-91	D						
299-W18-92	D						
299-W18-100	D	YL	YL			Y	
299-W18-101	D					Y	
299-W18-102	D	YL	YL			Y	
299-W18-103	D	YL	YL			Y	
299-W18-104	D	YL	YL			Y	
299-W18-105	D	YL	YL			Y	
299-W18-109	D	YL	YL			Y	
299-W18-110	D	YL	YL			Y	
299-W18-113	D	YL	YL		field rad in logs	Y	PNL Files
299-W18-114	D					Y	
299-W18-115	D	YL	YL			Y	
299-W18-116	D				field rad in logs	Y	PNL Files
299-W18-117	D	YL	YL			Y	
299-W18-118	D					Y	
299-W18-119	D	YL	YL			Y	
299-W18-120	D					Y	

TABLE 2. SAMPLE DATA FOR U-PLANT AGGREGATE AREA

Well	Geologic logs	Sieved	CaCO3	Moisture	Chemistry	Archived	Source
299-W18-121	D					Y	
299-W18-122	D					Y	
299-W18-123	D	YL	YL			Y	
299-W18-124	D	YL	YL			Y	
299-W18-125	D	YL	YL			Y	
299-W18-126	D	YL	YL			Y	
299-W18-127	D	YL	YL			Y	
299-W18-128	D	YL	YL			Y	
299-W18-129	D	YL	YL			Y	
299-W18-130	D	YL	YL			Y	
299-W18-131	D	YL	YL			Y	
299-W18-132	D	YL	YL			Y	
299-W18-133	D	YL	YL			Y	
299-W18-134	D					Y	
299-W18-135	D	YL	YL			Y	
299-W18-136	D	YL	YL			Y	
299-W18-137	D	YL	YL			Y	
299-W18-138	D	YL	YL				
299-W18-139	D	YL	YL			Y	
299-W18-140	D					Y	
299-W18-141	D	YL	YL			Y	
299-W18-142	D	YL	YL			Y	
299-W18-143	D	YL	YL			Y	
299-W18-144	D	YL	YL			Y	
299-W18-145	D	YL	YL			Y	
299-W18-146	D					Y	
299-W18-147	D	YL	YL			Y	
299-W18-148	D	YL	YL			Y	
299-W18-176	D					Y	
299-W18-177	D	YL	YL	Y	Pu, Am	Y	PNL Files
299-W18-178	G,D			Y	Pu, Am	Y	PNL Files
299-W18-186	G,D			Y	Pu, Am	Y	PNL Files
299-W18-187	G,D			Y	Pu, Am		PNL Files
299-W18-188	G,D			Y	Pu, Am	Y	PNL Files
299-W18-192	G,D			Y	Pu, Am	Y	PNL Files
299-W18-193	G			Y	Pu, Am	Y	PNL Files

TABLE 2. SAMPLE DATA FOR U-PLANT AGGREGATE AREA

Well	Geologic logs	Sieved	CaCO3	Moisture	Chemistry	Archived	Source
299-W18-194	G,D			Y	Pu, Am	Y	PNL Files
299-W18-195	G				Pu, Am		PNL Files
299-W18-196	G,D				Pu, Am		PNL Files
299-W18-197	G,D				Pu, Am	Y	PNL Files
299-W18-198	G,D				Pu, Am	Y	PNL Files
299-W18-199	G,D					Y	
299-W18-200	G,D				Pu, Am	Y	PNL Files
299-W18-207	D					Y	
299-W18-208	G,D					Y	
299-W18-209	D					Y	
299-W18-210	G,D						
299-W18-211	D					Y	
299-W18-212	D					Y	
299-W18-213	G,D					Y	
299-W18-214	D					Y	
299-W18-215	D					Y	
299-W18-217	D					Y	
299-W18-218	G,D					Y	
299-W18-219	D					Y	
299-W18-220	G,D					Y	
299-W19-1	D	YL	YL			Y	
299-W19-2	D	YL	YL			Y	
299-W19-3	D	Y	Y			Y	
299-W19-4	D						
299-W19-7	D	Y	Y			Y	
299-W19-8	D	YL	YL			Y	
299-W19-9	D						
299-W19-10	G,D						
299-W19-11	D	Y	YL			Y	
299-W19-12	D					Y	
299-W19-13	D	YL	YL			Y	
299-W19-14	D	YL	YL			Y	
299-W19-15	G,D	Y	YL	Y	Gamma Energy Anal	Y	PNL Files
299-W19-16	G,D	Y		Y	Gamma Energy Anal	Y	PNL Files
299-W19-17	G,D	Y				Y	
299-W19-18	G,D					Y	

TABLE 2. SAMPLE DATA FOR U-PLANT AGGREGATE AREA

Well	Geologic logs	Sieved	CaCO3	Moisture	Chemistry	Archived	Source
299-W19-19	G,D	Y	Y	Y		Y	
299-W19-20	G,D	Y	Y			Y	
299-W19-21	G,D	Y	Y		Co,K,U,Ra,Cs,Th	Y	PNL Files
299-W19-22	G,D	Y	Y	Y		Y	
299-W19-23	G,D	Y	Y			Y	
299-W19-24	G,D	Y	Y			Y	
299-W19-25	G,D	Y	Y			Y	
299-W19-26	G,D	Y	Y			Y	
299-W19-27	G,D	Y	Y	Y	Co,K,U,Ra,Cs,Th	Y	PNL Files
299-W19-28	G,D	Y	Y			Y	450 Hills St Geosciences Fil
299-W19-29	G,D	Y	Y			Y	450 Hills St Geosciences Fil
299-W19-30	G,D	Y				Y	450 Hills St Geosciences Fil
299-W19-31	G	YL	Y	Y		Y	Caggiano 1992
299-W19-32	G	YL	Y	Y		Y	Caggiano 1992
299-W19-51							
299-W19-52							
299-W19-53	D						
299-W19-54	D						
299-W19-55	D						
299-W19-69	D	Y				Y	
299-W19-70	D	Y	Y			Y	
299-W19-71	D	Y	Y			Y	
299-W19-72	D	Y				Y	
299-W19-73	D					Y	
299-W19-74	D	YL	YL			Y	
299-W19-75	D					Y	
299-W19-76	D	YL	YL			Y	
299-W19-89	G,D	Y		Y		Y	
299-W19-90	G,D	Y	Y	Y		Y	
299-W19-91	G,D	Y	Y	Y	Co,K,U,Ra,Cs,Th	Y	PNL Files
299-W19-92	G,D	Y	Y	Y	Co,K,U,Ra,Cs,Th	Y	PNL Files
299-W19-93	G,D	Y	Y	Y	Co,K,U,Ra,Cs,Th	Y	PNL Files
299-W21-51	D	Y					
299-W21-52	D	Y				Y	
299-W21-53	D	Y				Y	
299-W21-54	D	Y				Y	

TABLE 2. SAMPLE DATA FOR U-PLANT AGGREGATE AREA

Well	Geologic logs	Sieved	CaCO3	Moisture	Chemistry	Archived	Source
299-W21-55	D	Y				Y	
299-W21-56	D	Y				Y	
299-W21-57	D	Y				Y	
299-W21-58	D	Y				Y	
299-W21-59	D	Y				Y	
299-W21-60	D	Y				Y	
299-W21-61	D	Y				Y	
299-W21-62	D	Y				Y	
299-W21-63	D	Y				Y	
299-W21-64	D	Y				Y	
299-W21-65	D	Y				Y	
299-W21-66	D	Y				Y	
299-W21-67	D	Y				Y	
299-W21-68	D	Y				Y	
299-W21-69	D	Y				Y	
299-W21-70	D	Y				Y	
299-W21-71	D	Y				Y	
299-W21-72	D	Y				Y	
299-W21-73	D	Y				Y	
299-W21-74	D	Y				Y	
299-W21-75	D	Y				Y	
299-W21-76	D	Y				Y	
299-W21-77	D					Y	
299-W21-78	D					Y	
299-W21-79	D					Y	
299-W21-80	D					Y	
299-W21-81	D					Y	
299-W21-82	D					Y	
299-W21-83	D					Y	
299-W22-22	D	Y	Y			Y	
299-W22-23	D	Y	Y			Y	
299-W22-24	D	Y	Y			Y	
299-W22-28	D	Y				Y	
299-W22-40	G,D	Y	Y	Y		Y	Goodwin 1990
299-W22-41	G,D	YL	Y	Y		Y	Goodwin 1990
299-W22-42	G,D	YL	Y	Y		Y	Goodwin 1990

TABLE 2. SAMPLE DATA FOR U-PLANT AGGREGATE AREA

Well	Geologic logs	Sieved	CaCO3	Moisture	Chemistry	Archived	Source
299-W22-43	G,D	YL	Y	Y		Y	Goodwin 1990
299-W22-60	D					Y	
299-W22-73	G,D	Y	Y		field rad in logs	Y	PNL Files
299-W22-75	G,D	YL	YL		field rad in logs	Y	PNL Files
299-W23-4	D	YL	YL			Y	
299-W23-11	D	Y	YL			Y	
299-W23-13	G	YL	Y	Y		Y	Caggiano 1992
299-W23-14	G	YL	Y	Y		Y	Caggiano 1992
299-W23-63							
299-W23-71	D						
299-W23-210	D						
299-W23-228	G			Y	Pu, Cs, Sr		PNL Files

Notes:

Geologic and drillers logs are available at PNL, Sigma V, Rm. 2606.
Sieve and calcium carbonate data are available in HEIS computer database.
D = Driller's logs
G = Geologist's logs
Y = Data available.
YL = Data available, but there are gaps of 10 ft or more.
Source = Location of moisture and chemistry data.

TABLE 3. WELL CONSTRUCTION DATA FOR U-PLANT AGGREGATE AREA

Well	Drilled Depth (ft)	Completed Depth (ft)	Screen Top	Screen Bottom	Started	Completed	Elevation (ft)	Hanford Coordinates North-South	Hanford Coordinates East-West
299-W14-7	100	531	0	20	09/16/76	09/30/76	677.69	40003	75002
299-W14-63	29					04/30/82		41090	74725
299-W18-15	248	243	170	243	03/12/80	04/28/80	660.76	36990	77152
299-W18-18	265	204	185	210	08/03/81	09/15/81		38903	76270
299-W18-18	265	204	215	225	08/03/81	09/15/81		38903	76270
299-W18-18	265	204	183	204	08/03/81	09/15/81		38903	76270
299-W18-19	250		220	250		06/30/82		38503	76403
299-W18-20	250	250	220	249	06/29/82	08/31/82		38103	76477
299-W18-25	215.35	214.8	193.5	214.8	11/08/89			37786	76034
299-W18-51	151	152			10/17/44	10/31/44	666.74	37822	75700
299-W18-52	150	151			11/07/44	11/30/44	664.00	38262	75837
299-W18-53	150	151			11/06/44	11/30/44	664.93	38135	75908
299-W18-54	150	150			10/24/44	10/31/44	665.96	38035	75775
299-W18-55	150	151			11/03/44	11/30/44	664.84	37935	75908
299-W18-90	100				06/22/70	06/30/70	664.62	37857	75860
299-W18-91	100					06/30/70	664.10	37920	75876
299-W18-92	100				06/17/70	06/30/70	665.04	37855	75820
299-W18-100	125				08/29/74	09/30/74	667.74	37942	75616
299-W18-101	125				06/28/73	07/31/73	665.98	37860	75737
299-W18-102	125				07/14/73	07/31/73	666.05	37901	75686
299-W18-103	125				06/08/73	06/30/73	664.94	37900	75786
299-W18-104	125				05/23/74	06/30/74	667.43	37857	75612
299-W18-105	125				06/18/73	06/30/73	665.92	37947	75737
299-W18-109	125				05/03/74	04/30/74	665.95	37857	75717
299-W18-110	125				05/16/74	05/31/74	665.65	37857	75763
299-W18-113	125				06/26/74	07/31/74	664.63	37940	75817
299-W18-114	105				01/12/76	01/31/76	665.00	38043	75617
299-W18-115	125				03/06/74	03/31/74	666.10	37976	75692
299-W18-116	105				01/21/76	01/31/76	665.00	38017	75678
299-W18-117	125				04/24/74	05/31/74	666.47	38043	75657
299-W18-118	105				01/22/76	01/31/76	665.00	37977	75787
299-W18-119	125				05/06/74	05/31/74	664.64	38017	75787
299-W18-120	105				01/27/76	02/28/76	665.00	38041	75818
299-W18-121	105				02/09/76	02/28/76	665.00	37956	75862
299-W18-122	120				01/29/74	02/28/74	664.25	37977	75887

TABLE 3. WELL CONSTRUCTION DATA FOR U-PLANT AGGREGATE AREA

Well	Drilled Depth (ft)	Completed Depth (ft)	Screen Top	Screen Bottom	Started	Completed	Elevation (ft)	Hanford Coordinates North-South	Hanford Coordinates East-West
299-W18-123	125				07/03/74	07/31/74	663.84	38017	75887
299-W18-124	120				01/25/74	02/28/74	668.83	38077	75687
299-W18-125	120				02/07/74	02/28/74	668.76	38117	75687
299-W18-126	125				03/22/74	03/31/74	666.93	38143	75637
299-W18-127	125				05/22/74	05/31/74	665.63	38047	75722
299-W18-128	125				05/14/74	05/31/74	665.00	38047	75757
299-W18-129	125				03/28/74	04/30/74	664.73	38077	75787
299-W18-130	100				05/02/75	05/31/75		38117	75787
299-W18-131	125				07/15/74	07/31/74	664.16	38051	75857
299-W18-132	100				04/28/75	05/31/75	665.00	38077	75885
299-W18-133	125				04/02/74	04/30/74	664.39	38117	75885
299-W18-134	105				01/28/76	02/28/76	665.00	38141	75857
299-W18-135	125				04/17/74	04/30/74	666.41	38177	75690
299-W18-136	100				03/20/75	03/31/75	666.00	38217	75687
299-W18-137	125				04/08/74	04/30/74	665.59	38244	75717
299-W18-138	100				05/09/75	05/31/75	666.00	38164	75707
299-W18-139	125				03/14/74	03/31/74	665.96	38151	75757
299-W18-14	110				07/28/76	08/31/76	683.00	39370	77210
299-W18-140	105				02/17/76	02/28/76	665.00	38186	75778
299-W18-141	125				08/14/74	08/31/74	664.98	38217	75787
299-W18-142	100				03/17/75	03/31/75	665.00	38244	75757
299-W18-143	100				03/11/75	03/31/75	665.00	38244	75817
299-W18-144	125				03/22/74	04/30/74	664.56	38151	75822
299-W18-145	125				04/22/74	05/31/74	664.38	38177	75885
299-W18-146	100				03/26/75	04/30/75	665.00	38217	75885
299-W18-147	125				08/22/74	08/31/74	664.13	38244	75857
299-W18-148	120				02/06/74	02/28/74	666.86	37857	75657
299-W18-176	75					09/30/77		38074	75698
299-W18-177	89	87				03/31/80		37680	75500
299-W18-178	77					03/31/80		38610	76240
299-W18-186	22					02/28/81		37270	76685
299-W18-187	21					02/28/81		37425	76535
299-W18-188	20					02/28/81		38065	76413
299-W18-192	20					02/28/81		38792	76258
299-W18-193	20					02/28/81		38786	76235

TABLE 3. WELL CONSTRUCTION DATA FOR U-PLANT AGGREGATE AREA

Well	Drilled Depth (ft)	Completed Depth (ft)	Screen Top	Screen Bottom	Started	Completed	Elevation (ft)	Hanford Coordinates North-South	Hanford Coordinates East-West
299-W18-194	20					03/31/81		39010	76133
299-W18-195	13					04/30/81		37275	76710
299-W18-196	12					03/31/81		36880	77065
299-W18-197	14					03/31/81		37095	76405
299-W18-198	14					03/31/81		38362	76363
299-W18-199	12					03/31/81		38366	76335
299-W18-200	12					03/31/81		38976	76070
299-W18-207	17					05/31/81		39145	76148
299-W18-208	20					05/31/81		39032	76207
299-W18-209	16					05/31/81		38898	76270
299-W18-210	20					05/31/81		38798	76319
299-W18-211	17					05/31/81		38715	76338
299-W18-212	16					05/31/81		38645	76355
299-W18-213	20					05/31/81		38564	76373
299-W18-214	17					05/31/81		38473	76395
299-W18-215	17					05/31/81		38370	76422
299-W18-217	17					05/31/81		38140	76459
299-W18-218	20					05/31/81		38058	76462
299-W18-219	16					05/31/81		37940	76470
299-W18-220	20					05/31/81		37840	76471
299-W19-1	301	208	178	299	04/15/57	05/02/57	673.77	37613	75491
299-W19-1O	209		176	196		05/31/65	674.04	37613	75491
299-W19-1P	248	248	228	248		11/30/63	674.06	37613	75491
299-W19-2	300	240	235	295	08/12/57	08/31/57	694.04	36849	73000
299-W19-3	301	301	230	280	09/09/57	09/20/57	695.12	37819	74098
299-W19-4	550	350	255	535	12/01/59	02/28/60	715.26	39000	71999
299-W19-4O	280		260	280		05/31/65	715.52	39000	71999
299-W19-4P	535	464	510	535		06/30/64	715.52	39000	71999
299-W19-4Q		400	456	481			715.52	39000	71999
299-W19-4R	411	348	386	411		06/30/64	715.52	39000	71999
299-W19-4S	370					06/30/64	715.52	39000	71999
299-W19-7	235	223	200	233	10/30/68	11/30/68	700.00	37000	74125
299-W19-8	585				04/23/71	06/30/71	700.00	38574	73268
299-W19-9	302	284	263	302	07/19/44	08/31/44	693.77	37895	74225
299-W19-9	302	284	214	254	07/19/44	08/31/44	693.77	37895	74225

TABLE 3. WELL CONSTRUCTION DATA FOR U-PLANT AGGREGATE AREA

Well	Drilled Depth (ft)	Completed Depth (ft)	Screen Top	Screen Bottom	Started	Completed	Elevation (ft)	Hanford Coordinates North-South	Hanford Coordinates East-West
299-W19-10	573	468			04/06/76	04/30/76	683.35	37201	75000
299-W19-11	250	250				04/30/83	695.70	37860	74210
299-W19-12	250	250	210	250	12/01/82	01/25/83		38052	75456
299-W19-12	250	250	33	100	12/01/82	01/25/83		38052	75456
299-W19-13	249.5	249.5	210	250	05/21/84	06/22/84	695.08	37510	74180
299-W19-13	249.5	249.5	20	145	05/21/84	06/22/84	695.08	37510	74180
299-W19-14	250	245				06/30/84	693.21	37300	74240
299-W19-15	285	285	225	230	03/23/85	06/07/85	693.28	37775	74285
299-W19-15	285	285	15	90	03/23/85	06/07/85	693.28	37775	74285
299-W19-15	285	285	170	197	03/23/85	06/07/85	693.28	37775	74285
299-W19-15	285	285	245	250	03/23/85	06/07/85	693.28	37775	74285
299-W19-15	285	285	270	275	03/23/85	06/07/85	693.28	37775	74285
299-W19-16	285	285	225	230	04/05/85	06/13/85	694.96	37950	74230
299-W19-16	285	285	270	275	04/05/85	06/13/85	694.96	37950	74230
299-W19-16	285	285	15	90	04/05/85	06/13/85	694.96	37950	74230
299-W19-16	285	285	170	197	04/05/85	06/13/85	694.96	37950	74230
299-W19-16	285	285	240	245	04/05/85	06/13/85	694.96	37950	74230
299-W19-17	358	358	230	240	10/15/85	01/03/86			
299-W19-17	358	358	300	305	10/15/85	01/03/86			
299-W19-17	358	358	350	355	10/15/85	01/03/86			
299-W19-17	358	358	270	275	10/15/85	01/03/86			
299-W19-18	361	360	230	240	09/25/85	12/12/85			
299-W19-18	361	360	315	320	09/25/85	12/12/85			
299-W19-18	361	360	350	355	09/25/85	12/12/85			
299-W19-18	361	360	265	270	09/25/85	12/12/85			
299-W19-19	257	249				01/31/87	694.90	37569	72406
299-W19-20	252	252	231	251	04/01/86	06/11/86	691.04	37525	72252
299-W19-21	226	226	201	226	05/08/86	07/08/86	678.53	37462	75273
299-W19-22	135	135	100	135	05/20/86	06/10/86	687.89	37628	74796
299-W19-23	255	252				03/31/87	698.44	37499	72587
299-W19-24	255	249				04/30/87	696.95	37613	72588
299-W19-25	248	246				04/30/87	691.64	37575	72250
299-W19-26	250	248				04/30/87	693.60	37504	72345
299-W19-27	230	230				04/30/87	683.65	37629	75072
299-W19-28	255	254.68	233.9	254.68	05/22/89	08/25/89	703.09	37823	73184

TABLE 3. WELL CONSTRUCTION DATA FOR U-PLANT AGGREGATE AREA

Well	Drilled Depth (ft)	Completed Depth (ft)	Screen Top	Screen Bottom	Started	Completed	Elevation (ft)	Hanford Coordinates North-South	Hanford Coordinates East-West
299-W19-29	256	255.3	233.7	255.3	05/22/89	08/25/89	701.87	37849	72940
299-W19-30							699.37	37603.2	72934.7
299-W19-31	225.05	222.6	201.3	222.6	11/09/89	01/18/91	674.19	38275	75457
299-W19-32	222.05	222.35	201.73	222.35	11/08/89	01/03/91	674.90	37887	75459
299-W19-51	90	90				07/31/43	700.96	38160	73500
299-W19-52	90	90				07/31/43	703.66	38410	73285
299-W19-53	148	149			10/25/44	10/31/44	670.83	37898	75577
299-W19-54	153	153			10/30/44	11/30/44	670.83	38197	75577
299-W19-55	75	75			11/14/44	11/30/44	704.00	38210	73218
299-W19-69	49	49			01/25/51	01/31/51	692.00	36920	73100
299-W19-70	105	105			01/23/51	01/31/51	692.00	36860	73100
299-W19-71	117	117			01/18/51	01/31/51	692.00	36800	73100
299-W19-72	50	50			02/22/51	02/28/51	705.00	37859	74247
299-W19-73	50	50			02/27/51	03/31/51	705.00	37859	74322
299-W19-74	125				08/07/74	08/31/74	668.45	38017	75594
299-W19-75	105				02/11/76	02/28/76	667.00	37920	75600
299-W19-76	125				08/01/74	08/31/74	668.89	38095	75593
299-W19-89	160					02/28/87	693.85	37520	72390
299-W19-90	159					02/28/87	693.21	37553	73341
299-W19-91	150	120				03/31/87	677.90	37617	75269
299-W19-92	150	120				03/31/87	677.90	37492	75319
299-W19-93	120					04/30/87	677.43	37289	75431
299-W21-51	40				03/09/74	03/31/74	699.00	36500	71500
299-W21-52	30				03/06/74	03/31/74	699.00	36534	71486
299-W21-53	30				03/06/74	03/31/74	699.00	36526	71474
299-W21-54	40				03/09/74	03/31/74	699.00	36514	71466
299-W21-55	30				03/06/74	03/31/74	699.00	36500	71463
299-W21-56	30				03/05/74	03/31/74	699.00	36486	71466
299-W21-57	30				03/06/74	03/31/74	699.00	36474	71474
299-W21-58	30				03/07/74	03/31/74	699.00	36466	71486
299-W21-59	30				03/07/74	03/31/74	699.00	36463	71500
299-W21-60	30				03/07/74	03/31/74	699.00	36466	71514
299-W21-61	30				03/07/74	03/31/74	699.00	36474	71526
299-W21-62	40				03/09/74	03/31/74	699.00	36486	71534
299-W21-63	31				03/05/74	03/31/74	699.00	36500	71537

TABLE 3. WELL CONSTRUCTION DATA FOR U-PLANT AGGREGATE AREA

Well	Drilled Depth (ft)	Completed Depth (ft)	Screen Top	Screen Bottom	Started	Completed	Elevation (ft)	Hanford Coordinates North-South	Hanford Coordinates East-West
299-W21-64	40				03/09/74	03/31/74	699.00	36514	71534
299-W21-65	31				03/06/74	03/31/74	699.00	36526	71526
299-W21-66	31				03/07/74	03/31/74	699.00	36534	71514
299-W21-67	31				03/06/74	03/31/74	699.00	36537	71500
299-W21-68	40				03/11/74	03/31/74	699.00	36537	71462
299-W21-69	51				03/12/74	03/31/74	699.00	36500	71552
299-W21-70	40				03/10/74	03/31/74	699.00	36470	71470
299-W21-71	41				03/10/74	03/31/74	699.00	36447	71500
299-W21-72	50				03/10/74	03/31/74	699.00	36469	71530
299-W21-73	50				03/10/74	03/31/74	699.00	36500	71548
299-W21-74	40				03/11/74	03/31/74	699.00	36537	71538
299-W21-75	50				03/11/74	03/31/74	699.00	36543	71500
299-W21-76	32				03/12/74	03/31/74	699.00	36569	71434
299-W21-77	30				03/12/74	03/31/74	699.00	36500	71406
299-W21-78	30				03/12/74	03/31/74	699.00	36434	71434
299-W21-79	31				03/12/74	03/31/74	699.00	36406	71500
299-W21-80	32				03/12/74	03/31/74	699.00	36434	71566
299-W21-81	30				03/13/74	03/31/74	699.00	36500	71594
299-W21-82	30				03/13/74	03/31/74	699.00	36566	71569
299-W21-83	32				03/13/74	03/31/74	699.00	36594	71500
299-W22-22	300	297	225	300	07/05/60	07/31/60	690.38	36093.7	73097.9
299-W22-23	307	231	200	300	07/28/60	08/31/60	690.97	36030.2	73198.3
299-W22-24	575	575	220	560	08/11/60	09/08/60	692.61	35916.9	72997.9
299-W22-24O	575	230	210	230	05/13/65	05/13/65	692.85	35917	72997
299-W22-24O	575	230	220	560	05/13/65	05/13/65	692.85	35917	72997
299-W22-24P	575	561	537	561		08/31/62	692.82	35917	72997
299-W22-24P	575	561	220	560		08/31/62	692.82	35917	72997
299-W22-24Q	575	497	475	497		08/31/62	692.80	35917	72997
299-W22-24Q	575	497	220	560		08/31/62	692.80	35917	72997
299-W22-24R	575	437	412	437		08/31/62	692.82	35917	72997
299-W22-24R	575	437	220	560		08/31/62	692.82	35917	72997
299-W22-24S	575	377	352	377		08/31/62	692.80	35917	72997
299-W22-24S	575	377	220	560		08/31/62	692.80	35917	72997
299-W22-24T	575	317	292	317		08/31/62	692.80	35917	72997
299-W22-24T	575	317	220	560		08/31/62	692.80	35917	72997

TABLE 3. WELL CONSTRUCTION DATA FOR U-PLANT AGGREGATE AREA

Well	Drilled Depth (ft)	Completed Depth (ft)	Screen Top	Screen Bottom	Started	Completed	Elevation (ft)	Hanford Coordinates North-South	Hanford Coordinates East-West
299-W22-28	300		215	297	01/15/64	02/28/64	689.00	36150	73770
299-W22-40	245	244.49	224.14	244.49	02/28/90	05/15/90		36242.3	73041.7
299-W22-41	244.7	245.33	224.09	245.33	02/17/90	05/15/90		36142.1	73033.8
299-W22-42	244	243.3	223.08	243.39	02/12/90	05/15/90		36052.7	73079.6
299-W22-43	244	244.01	223.67	244.01	02/22/90	05/15/90		36339.1	73376.5
299-W22-60	30	30			12/23/48	12/31/48	689.00	36125	73150
299-W22-73	60					03/31/82		36339	73120
299-W22-75	169					04/30/82		36255	73145
299-W23-4	300	253	180	300	05/24/57	06/30/57	662.82	35861	76335
299-W23-11	235	227	165	230	10/10/72	11/30/72	664.14	35560	76725
299-W23-13	218.15	217.17	195.9	217.17	10/17/90	12/04/90		36040	76067
299-W23-63	50	50					668.00	35925	76400
299-W23-71	54	54			12/17/53	12/31/53	668.00	35800	76300
299-W23-210	100				09/08/77	09/30/77		36322	-76120
299-W23-228		24			02/07/80	02/22/80		36720	77122

REFERENCES FOR GEOLOGIC INFORMATION

Caggiano, J. A. 1992. Borehole Completion Data Package for CY90 Wells Installed at Single-Shell Tanks. WHC-SD-EN-DP-041, Westinghouse Hanford Company, Richland, Washington.

Goodwin, S. M. 1990. Borehole Completion Data Package for the 216-U-12 Crib. WHC-MR-0208, prepared by Pacific Northwest Laboratory for Westinghouse Hanford Company, Richland, Washington.

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APPENDIX

AS-BUILT DIAGRAMS

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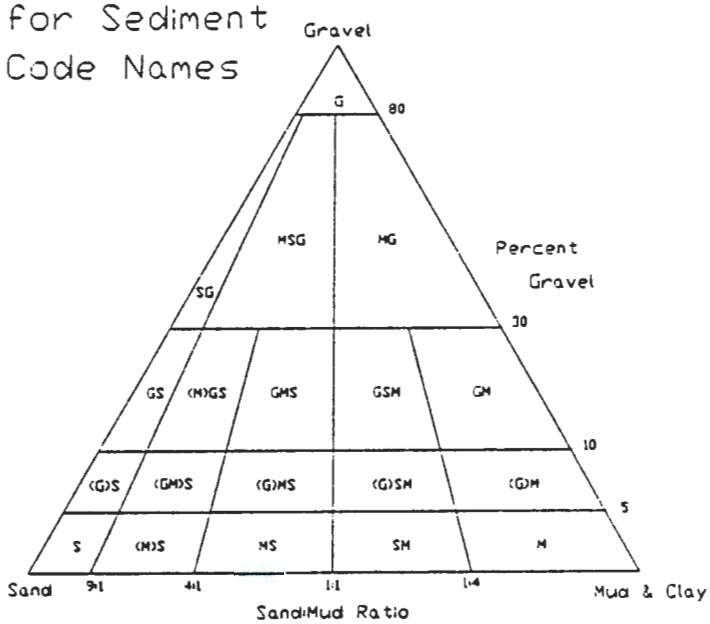
Lithology Classification Pattern Key

M	Mud	G	Gravel	GS	Gravelly Sand
SM	Sandy Mud	SG	Sandy Gravel	(G)S	Slightly Gravelly Sand
GM	Gravelly Mud	MG	Muddy Gravel	GMS	Gravelly Muddy Sand
(G)M	Slightly Gravelly Mud	MSG	Muddy Sandy Gravel	(G)MS	Slightly Gravelly Muddy Sand
GSM	Gravelly Sandy Mud	S	Sand	(M)GS	Slightly Muddy Gravelly Sand
(G)SM	Slightly Gravelly Sandy Mud	MS	Muddy Sand	(GM)S	Slightly Gravelly Slightly Muddy Sand
MISSING	Data Unknown	(M)S	Slightly Muddy Sand	B	Basalt
				CA	Caliche

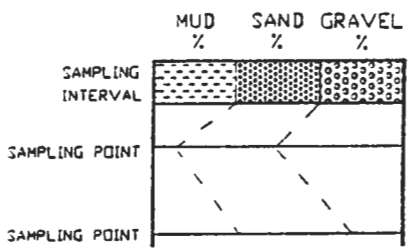
Ternary Diagram for Sediment Code Names



*Sampling Method Column

□ R	Rotary	● H	Hard Toal
⊠ AR	Air Rotary	○ D	Drive Barrel
■ MR	Mud Rotary	⊖ S	Split Spoon
△ B	Back Hoe	◇ A	Auger
▲ AP	Air Percussion	X	Other Method

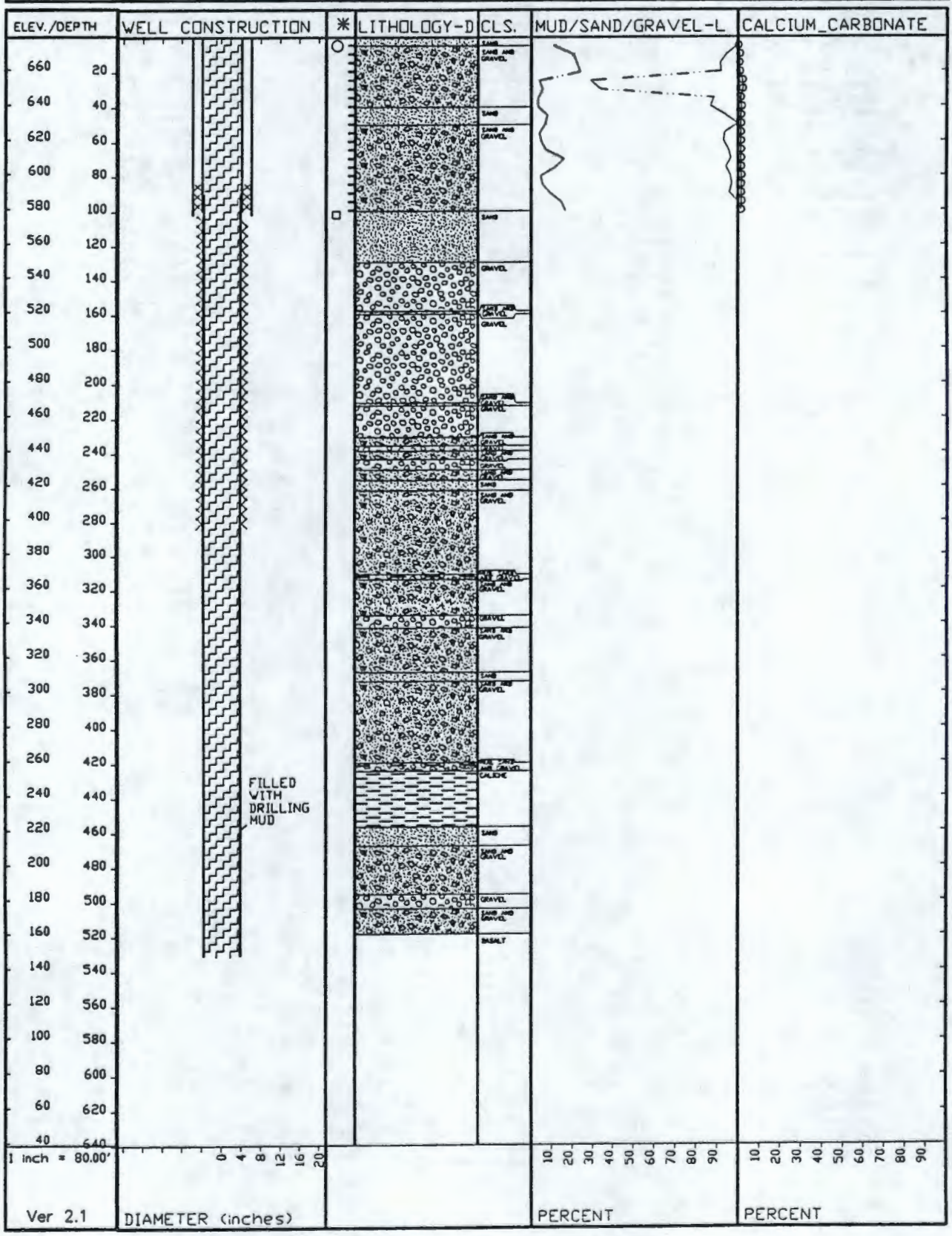
Mud/Sand/Gravel Column



Well Construction Pattern Key

CG	Cement Grout	BP	Bentonite Pellets		Perforated Permanent Casing
GB	Granular Bentonite	CE	Chemical Grout		
GP	Gravel Pack	SP	Sand Pack	P	Pump Location
BF	Backfill	CO	Concrete	DATE	Most Recent Water Level
BE	Bentonite Slurry	VG	Volclay Grout		Initial Water Level
	Other Fill Type		Screen		

WELL NAME	299-W14-7 (DH-12)	COMPLETION DATE	09/30/76
CASING ELEV.	677.69 Feet	INITIAL	
WELL DEPTH	531.00 Feet	DEPTH TO WATER	unknown
DRILL DEPTH	531.00 Feet		
COORDINATES N-S	40003 P		
E-W	-75002 P	PAGE	1 of 1



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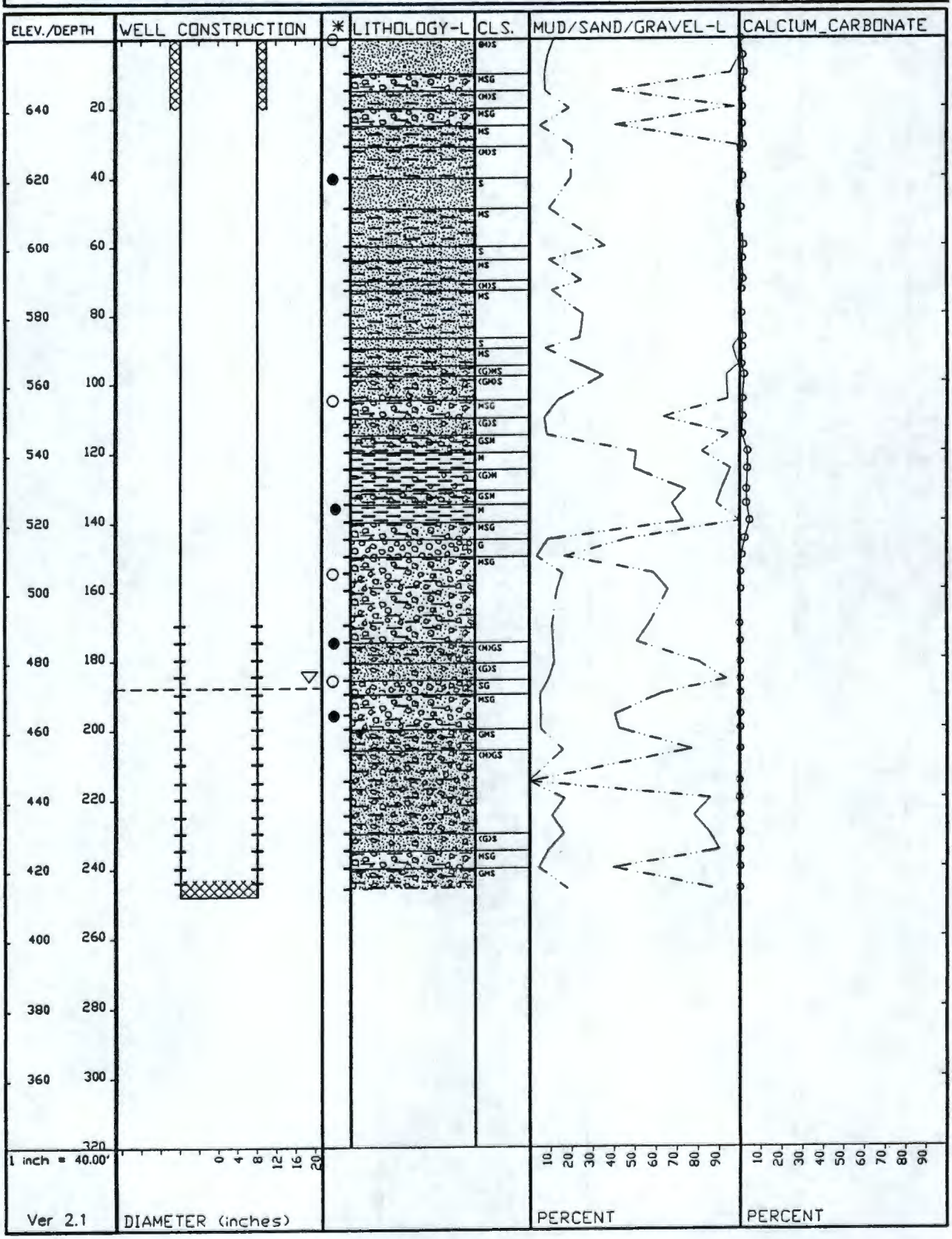
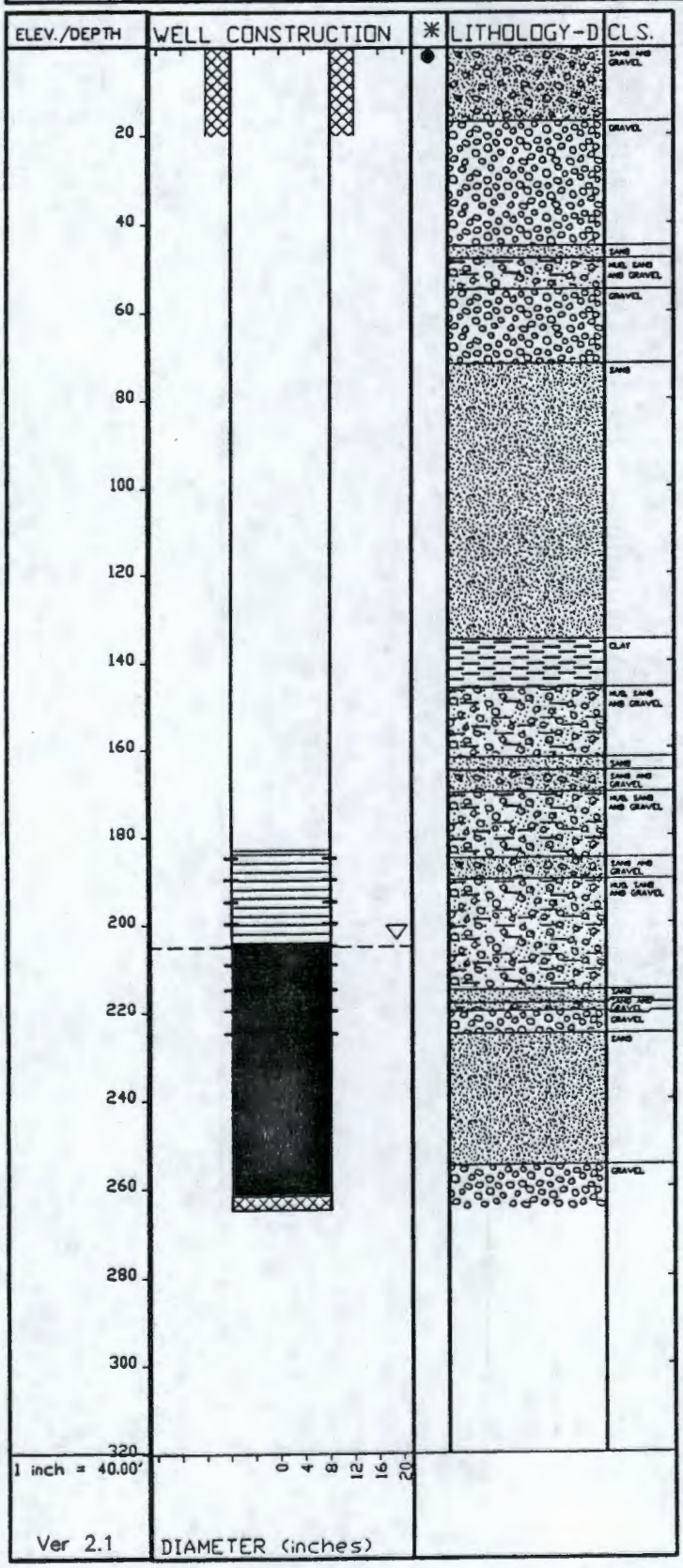
WELL NAME	299-W18-15	COMPLETION DATE	04/28/80
CASING ELEV.	660.76 Feet	INITIAL DEPTH TO WATER	188.00 ft
WELL DEPTH	243.00 Feet		
DRILL DEPTH	248.00 Feet		
COORDINATES N-S	36990 P		
E-W	-77152 P	PAGE	1 of 1



WELL NAME	299-W18-18	COMPLETION DATE	09/11/81
CASING ELEV.	Missing	INITIAL DEPTH TO WATER	205.00 ft
WELL DEPTH	204.00 Feet		
DRILL DEPTH	265.00 Feet		
COORDINATES N-S	38903 P		
E-W	-76270 P	PAGE	1 of 1



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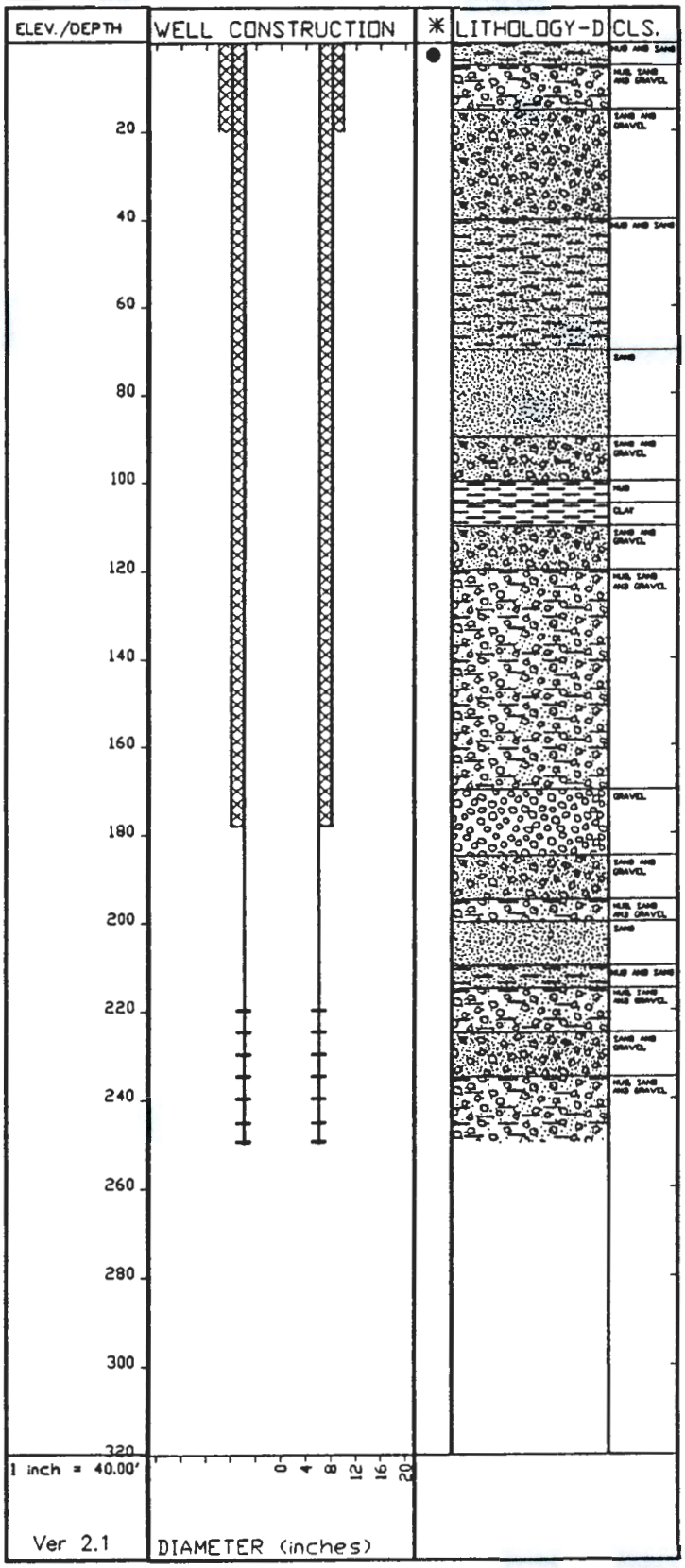
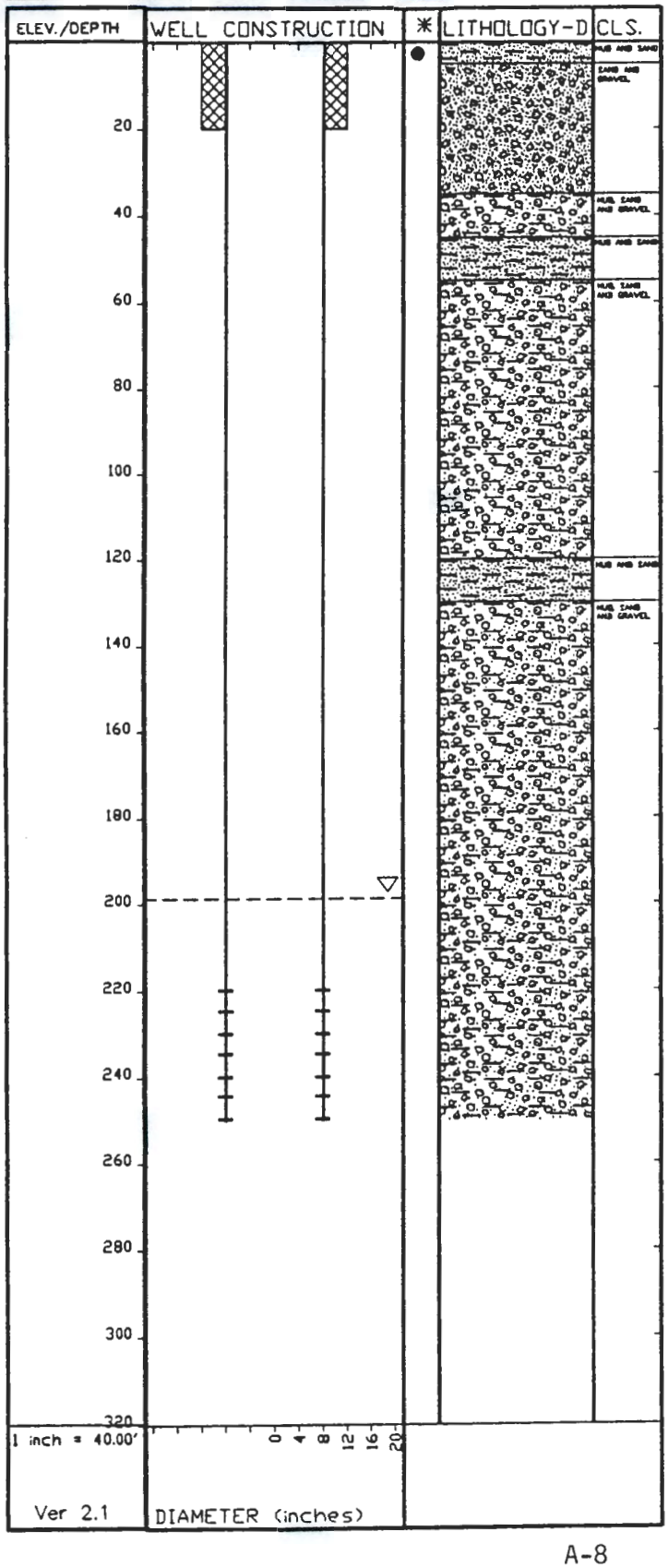
WELL NAME	299-W18-19	COMPLETION DATE	06/28/82
CASING ELEV.	Missing	INITIAL DEPTH TO WATER	unknown
WELL DEPTH	250.00 Feet		
DRILL DEPTH	250.00 Feet		
COORDINATES N-S	38503 P		
E-W	-76403 P	PAGE	1 of 1

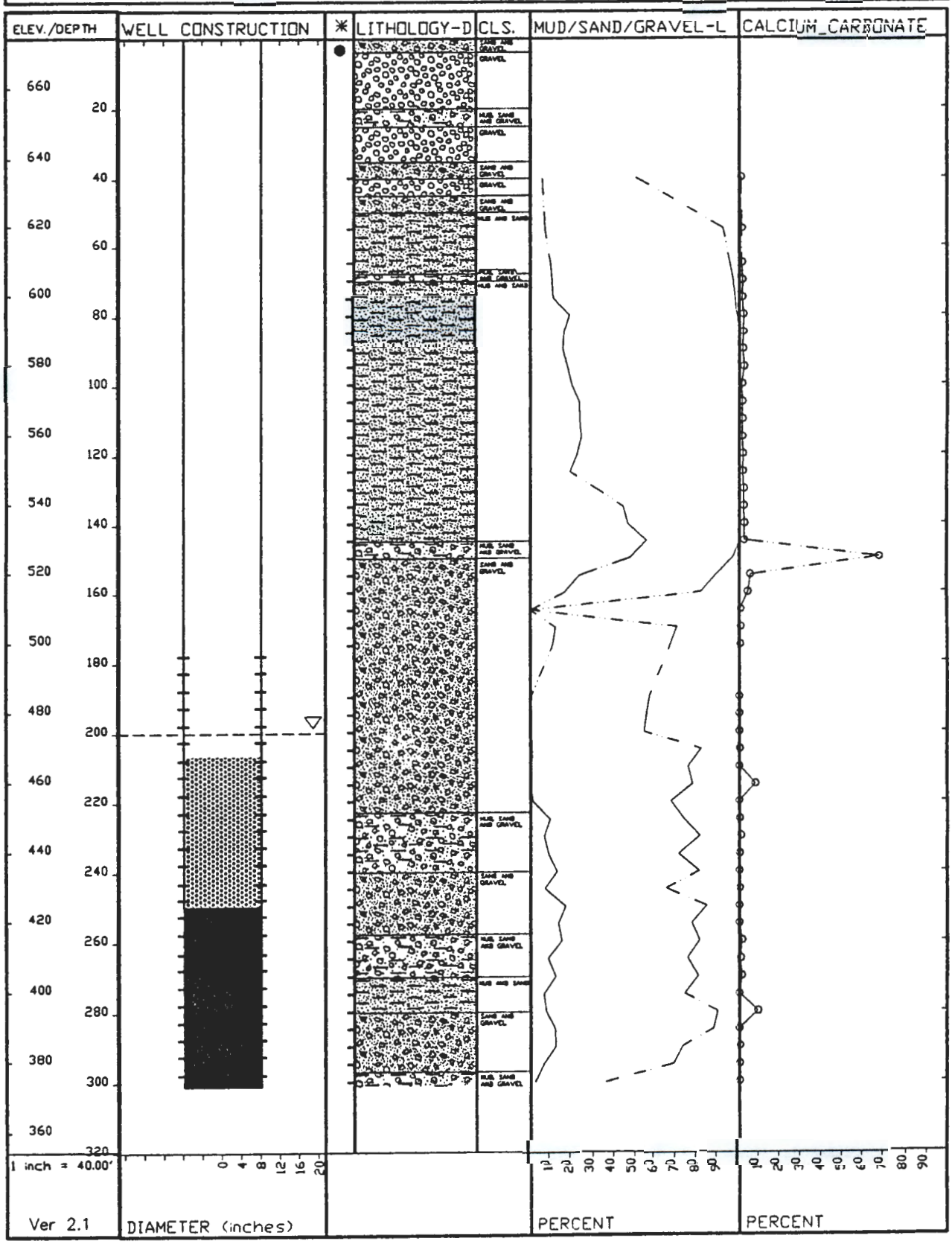


WELL NAME	299-W18-20	COMPLETION DATE	08/31/82
CASING ELEV.	Missing	INITIAL DEPTH TO WATER	198.80 ft
WELL DEPTH	250.00 Feet		
DRILL DEPTH	250.00 Feet		
COORDINATES N-S	38103 P		
E-W	-76477 P	PAGE	1 of 1

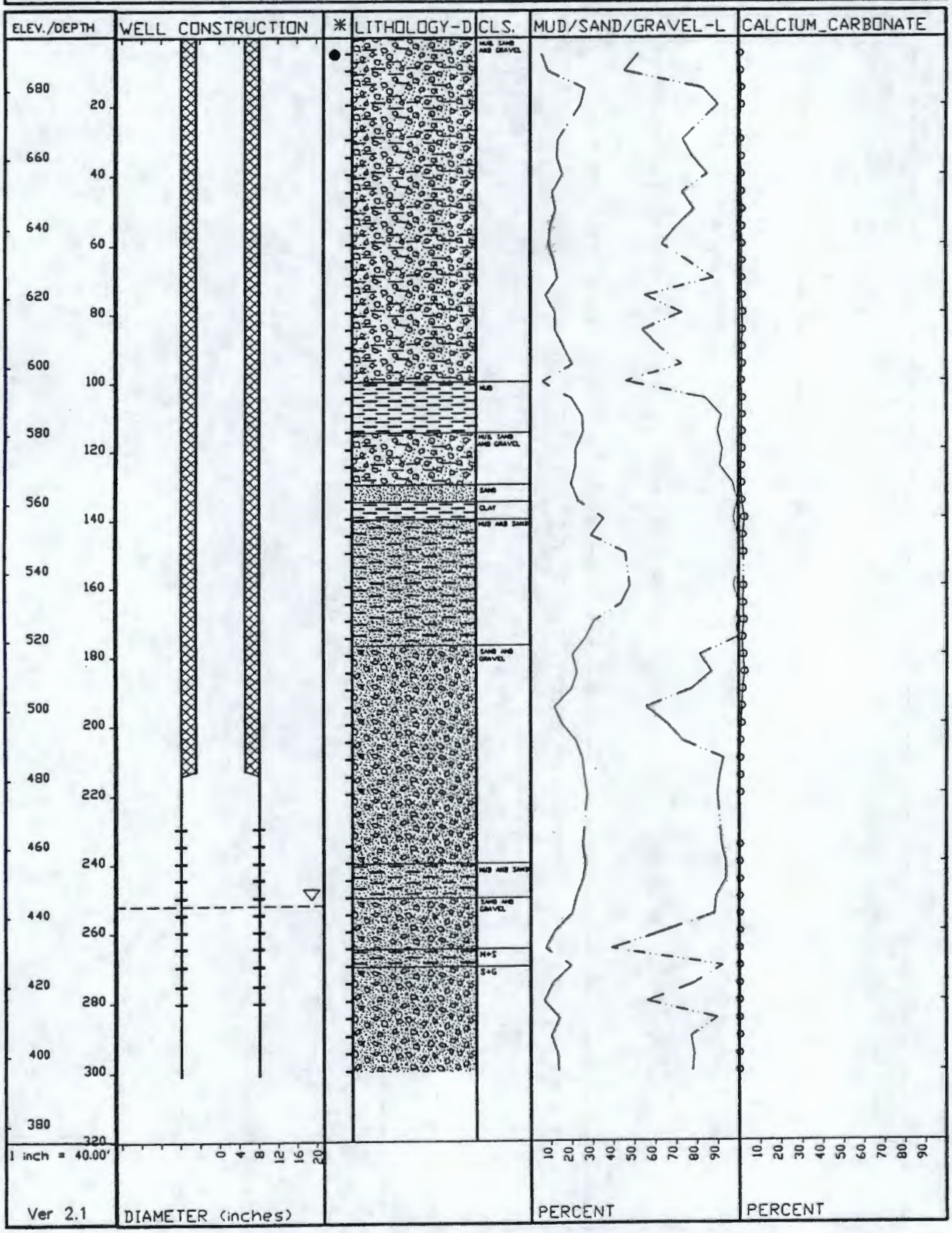


WELL NAME	299-W19-1	COMPLETION DATE	05/02/57
CASING ELEV.	673.77 Feet	INITIAL DEPTH TO WATER	200.00 ft
WELL DEPTH	301.00 Feet		
DRILL DEPTH	301.00 Feet		
COORDINATES N-S	134925.9 LAMBERT NAD83		
E-W	566887.3 LAMBERT NAD83		

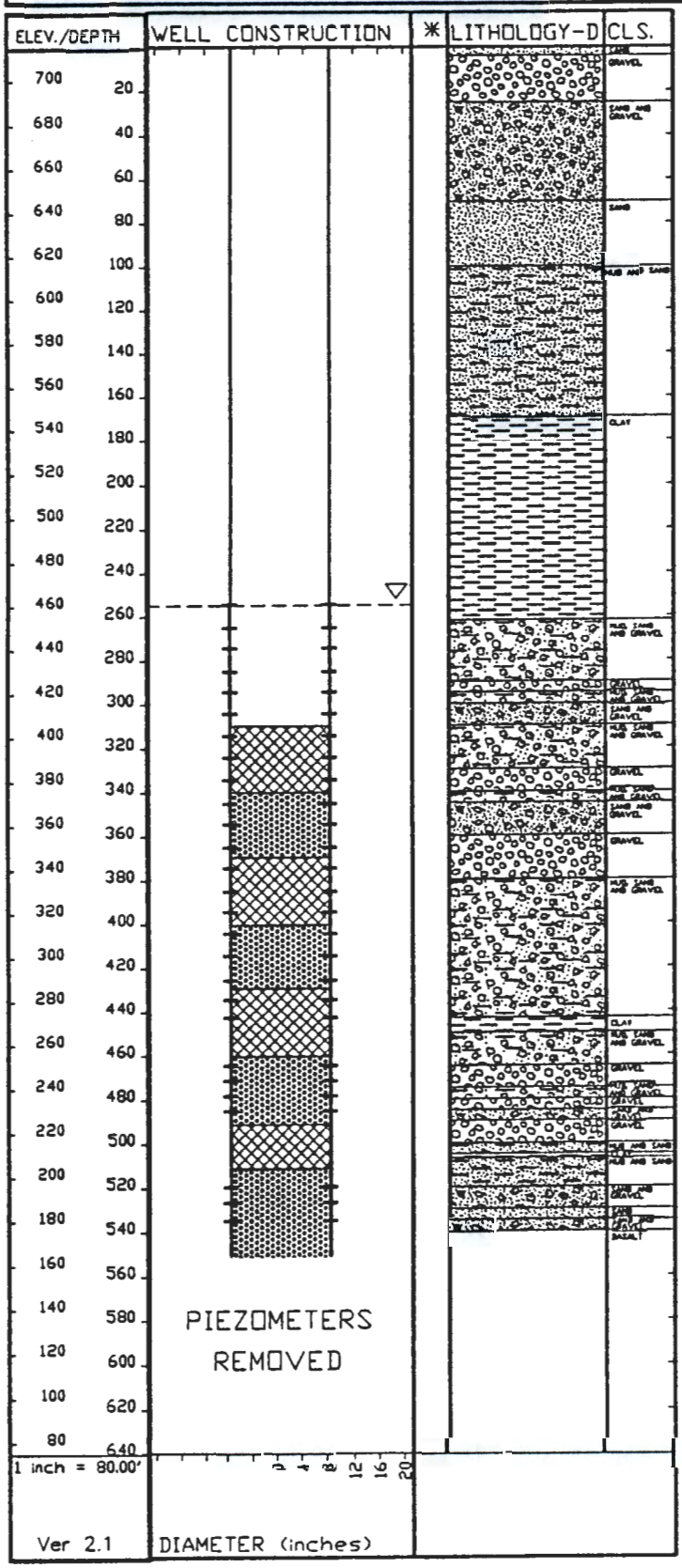
PAGE 1 of 1



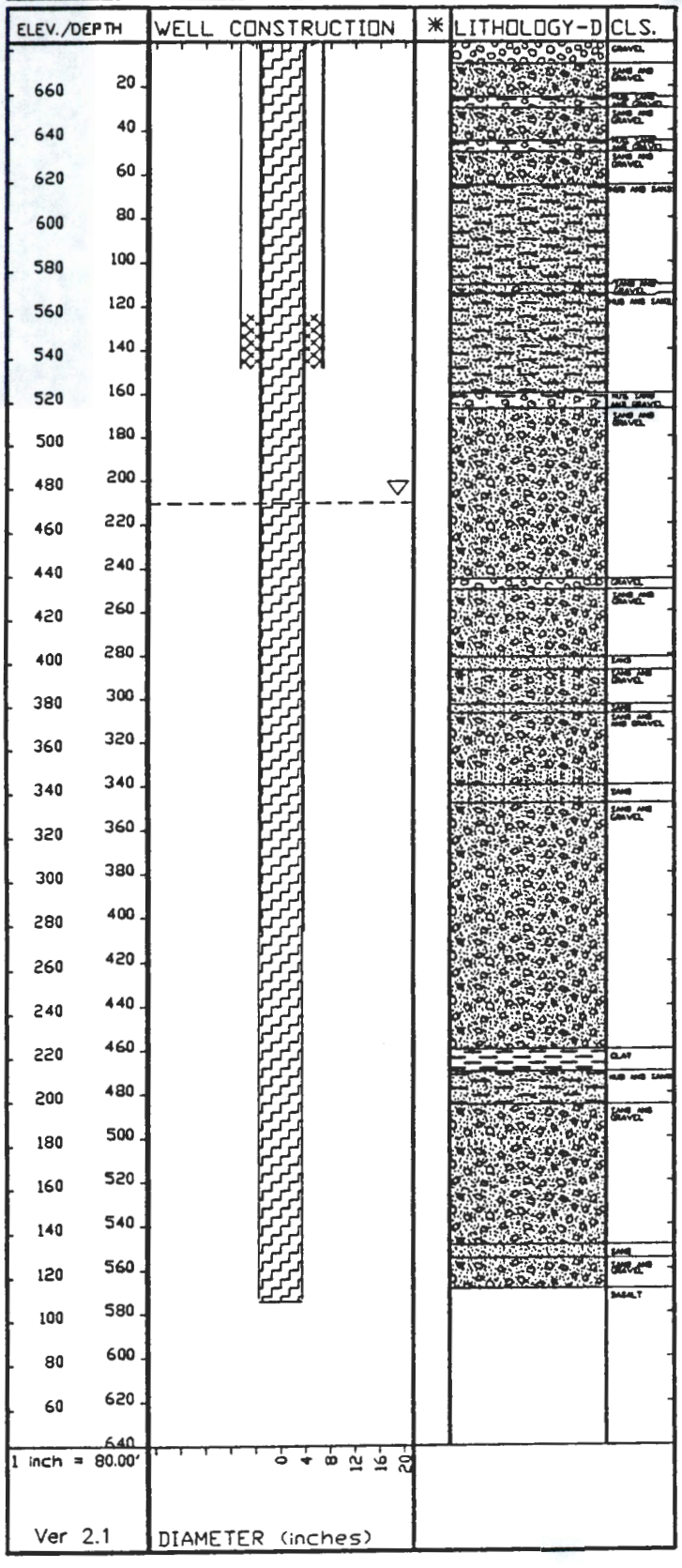
WELL NAME	299-W19-3	COMPLETION DATE	09/20/57
CASING ELEV.	695.12 Feet	INITIAL DEPTH TO WATER	252.00 ft
WELL DEPTH	301.00 Feet		
DRILL DEPTH	301.00 Feet		
COORDINATES N-S	37819 P		
E-W	-74098 P	PAGE	1 of 1



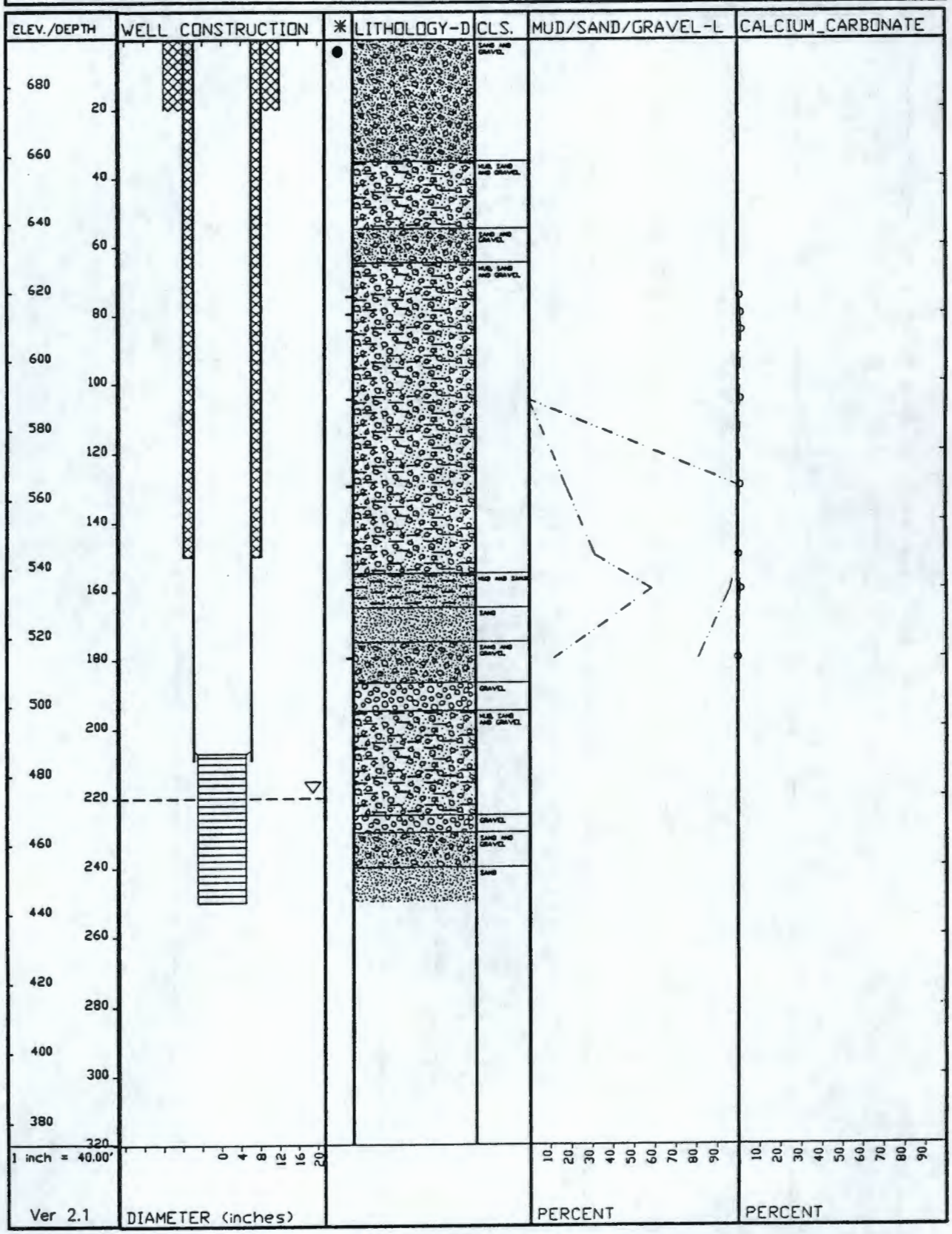
WELL NAME	299-W19-4	COMPLETION DATE	02/28/60
CASING ELEV.	715.26 Feet	INITIAL DEPTH TO WATER	255.00 ft
WELL DEPTH	350.00 Feet		
DRILL DEPTH	550.00 Feet		
COORDINATES N-S	39000 P		
E-W	-71999 P	PAGE	1 of 1



WELL NAME	299-W19-10 (DH-7)	COMPLETION DATE	04/02/76
CASING ELEV.	683.35 Feet	INITIAL DEPTH TO WATER	210.00 ft
WELL DEPTH	573.00 Feet		
DRILL DEPTH	573.00 Feet		
COORDINATES N-S	37201 P		
E-W	-75000 P	PAGE	1 of 1



WELL NAME	299-W19-14	COMPLETION DATE	06/14/84
CASING ELEV.	693.21 Feet	INITIAL DEPTH TO WATER	220.00 ft
WELL DEPTH	250.00 Feet		
DRILL DEPTH	250.00 Feet		
COORDINATES N-S	37300 P		
E-W	-74240 P	PAGE	1 of 1



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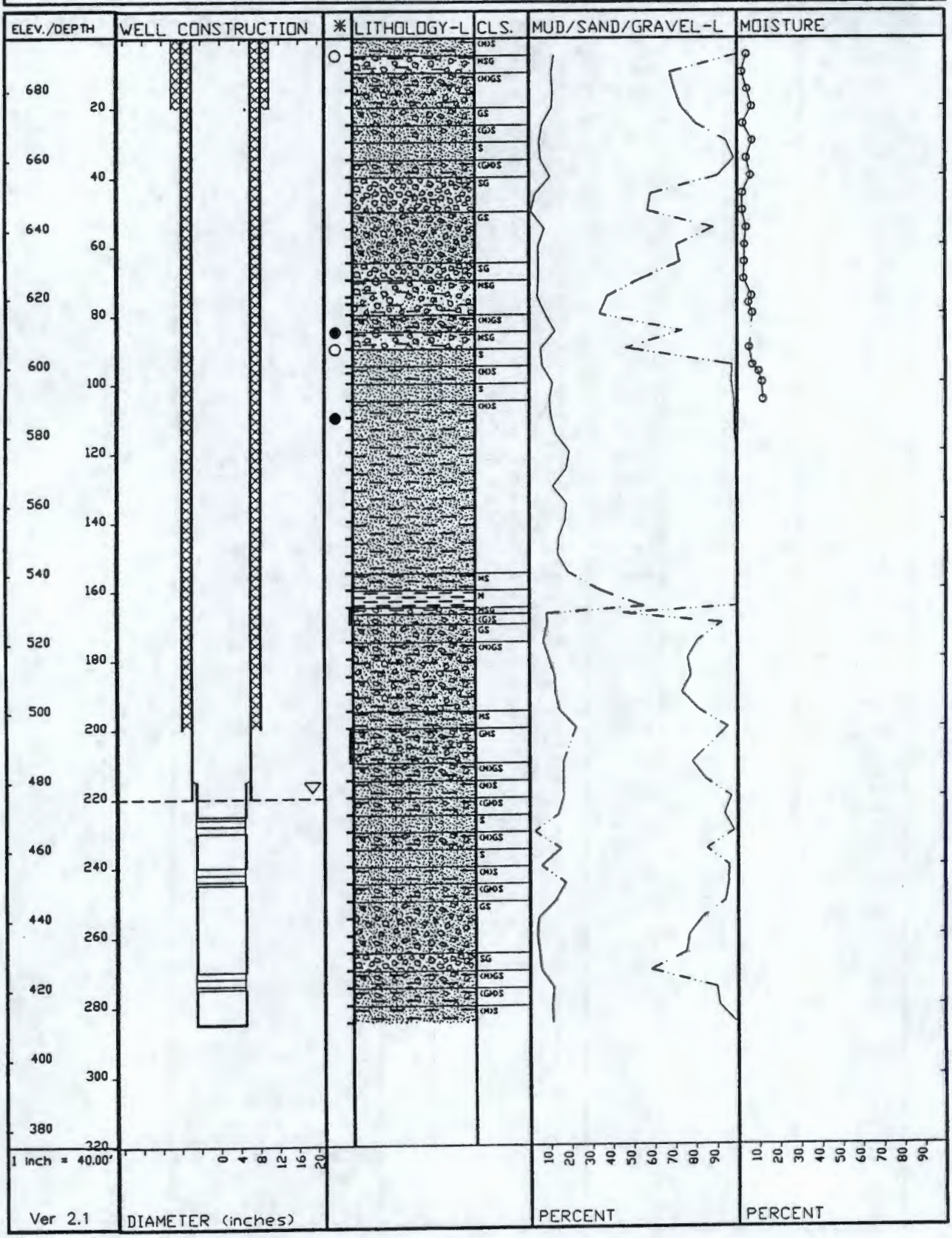
WELL NAME	299-W19-16	COMPLETION DATE	06/13/85
CASING ELEV.	694.96 Feet	INITIAL DEPTH TO WATER	220.00 ft
WELL DEPTH	285.00 Feet		
DRILL DEPTH	285.00 Feet		
COORDINATES N-S	37950 P		
E-W	-74230 P	PAGE	1 of 1



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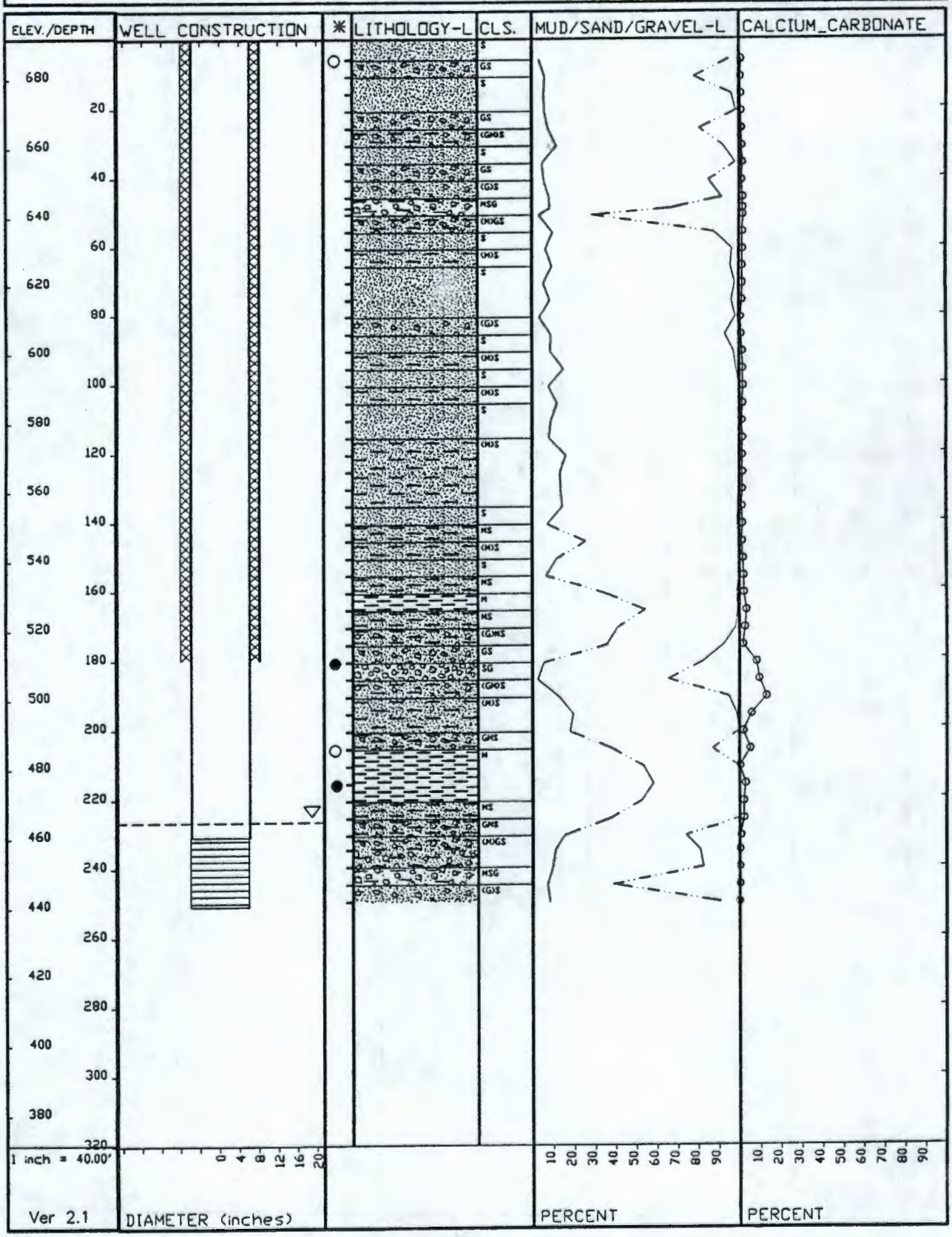
WELL NAME	299-W19-20	COMPLETION DATE	06/11/86
CASING ELEV.	691.04 Feet	INITIAL DEPTH TO WATER	226.67 ft
WELL DEPTH	251.00 Feet		
DRILL DEPTH	252.00 Feet		
COORDINATES N-S	37525 P		
E-W	-72252 P	PAGE	1 of 1



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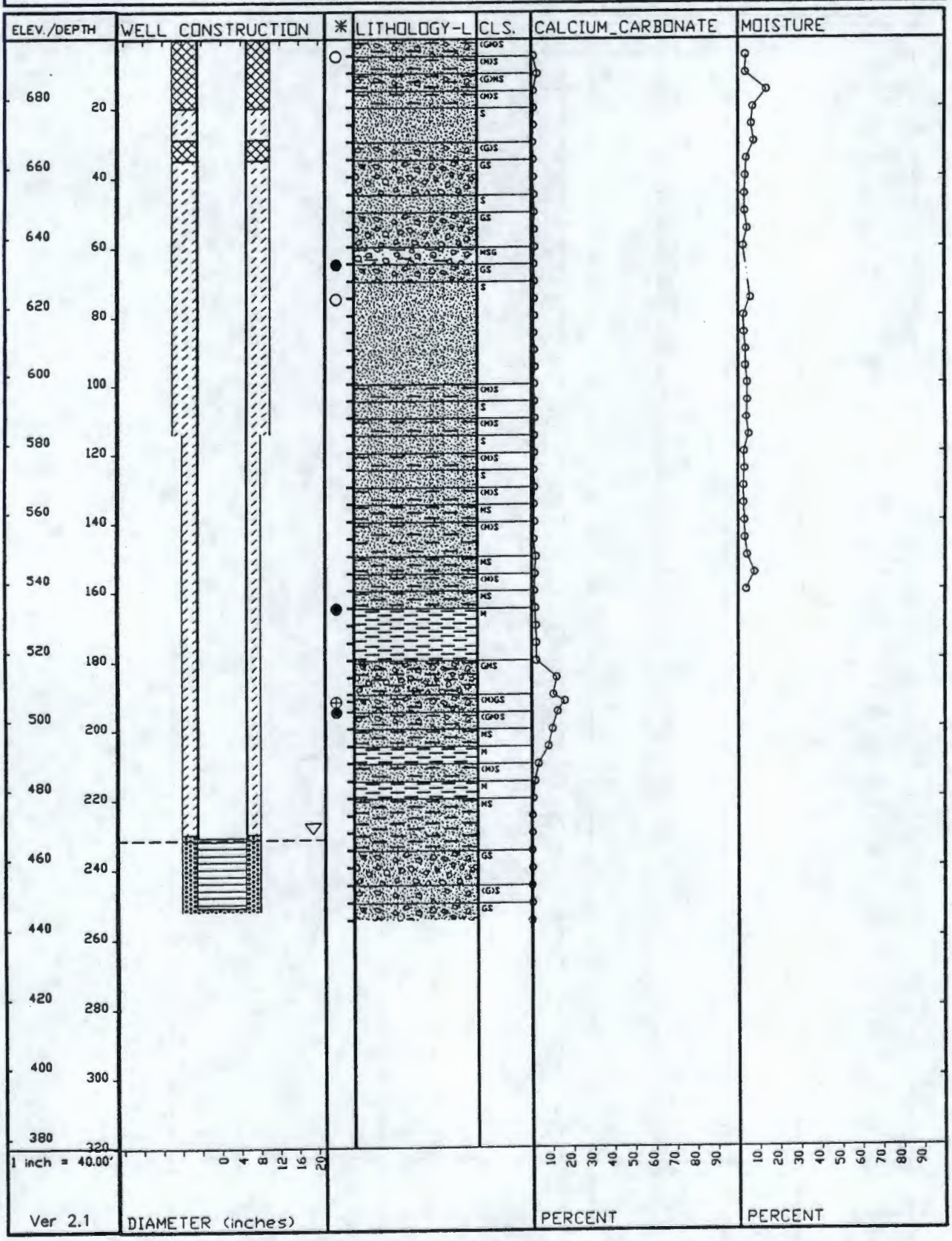
WELL NAME	299-W19-24	COMPLETION DATE	04/10/87
CASING ELEV.	696.95 Feet	INITIAL DEPTH TO WATER	231.60 ft
WELL DEPTH	251.00 Feet		
DRILL DEPTH	255.00 Feet		
COORDINATES N-S	37613 P		
E-W	-72588 P	PAGE	1 of 1



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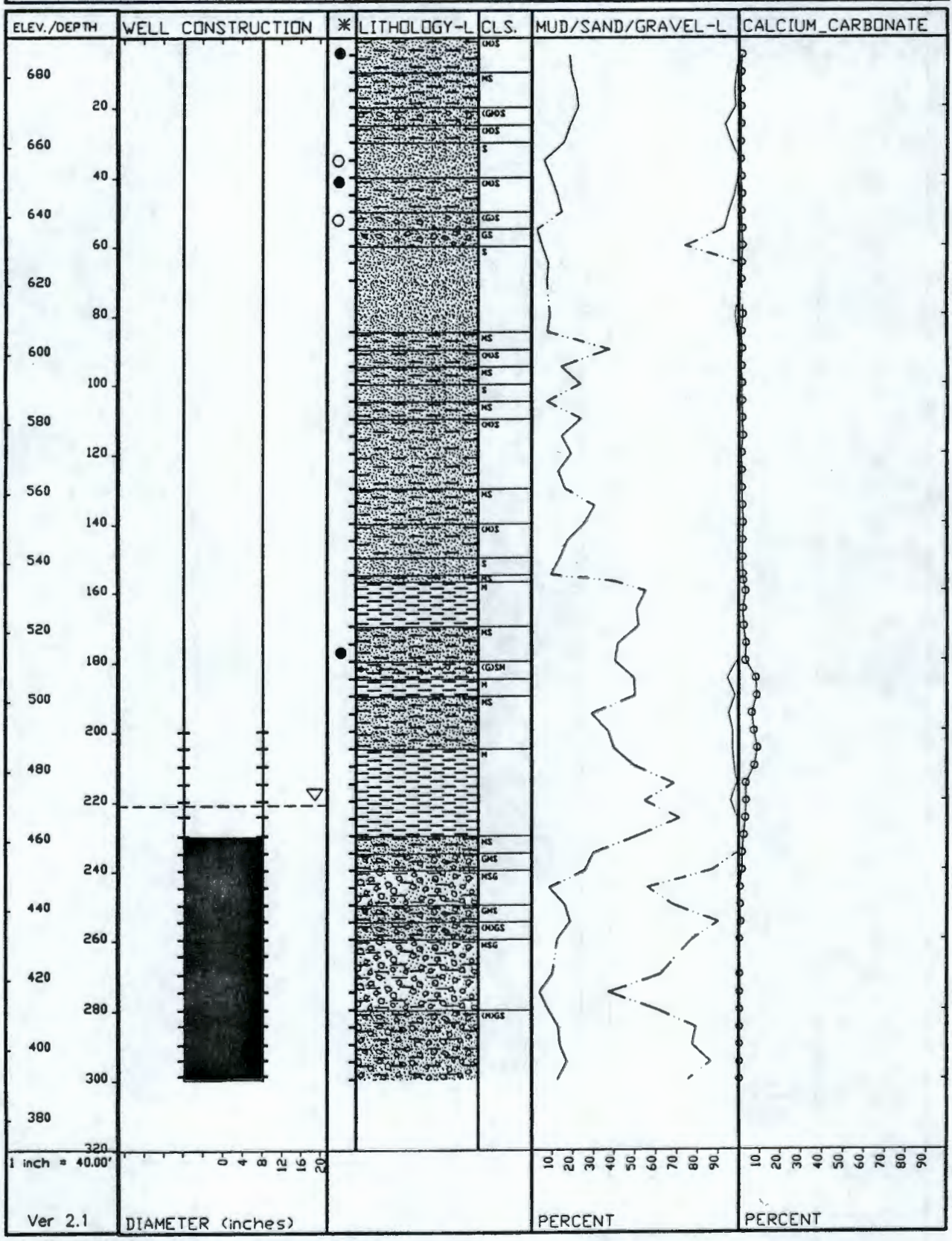
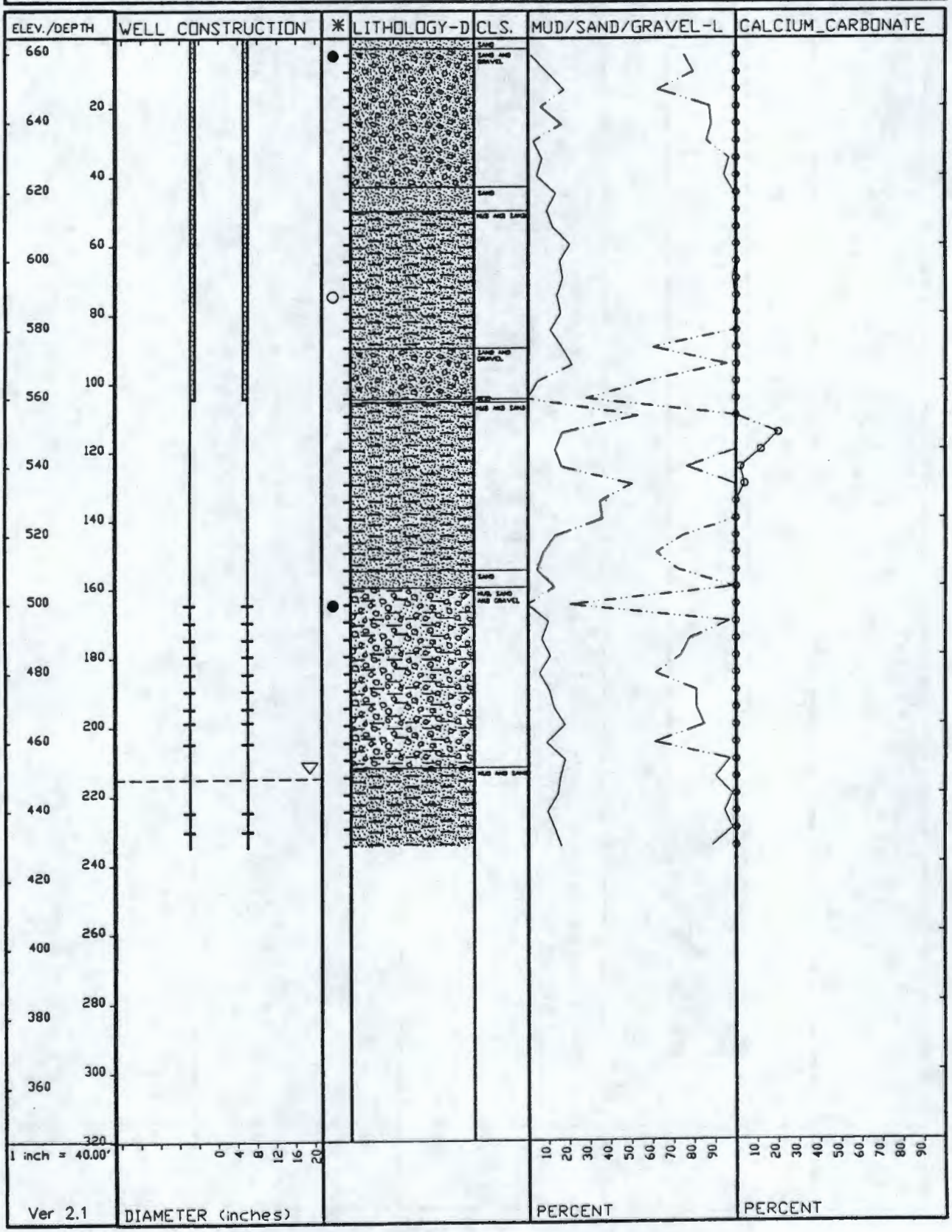
WELL NAME	299-W22-23	COMPLETION DATE	08/10/60
CASING ELEV.	690.97 Feet	INITIAL DEPTH TO WATER	221.00 ft
WELL DEPTH	231.00 Feet		
DRILL DEPTH	300.00 Feet		
COORDINATES N-S	36030.2 P		
E-W	-73198.3 P	PAGE	1 of 1



WELL NAME	299-W23-11	COMPLETION DATE	11/08/72
CASING ELEV.	664.14 Feet	INITIAL	
WELL DEPTH	235.00 Feet	DEPTH TO WATER	215 ft
DRILL DEPTH	235.00 Feet		
COORDINATES N-S	35560 P		
E-W	-76725 P	PAGE	of 1



Date Received: 10/30/92

INFORMATION RELEASE REQUEST

Reference: WHC-CM-3-4

Complete for all Types of Release

Purpose

[] Speech or Presentation
- [] Full Paper
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[] Other

ID Number (include revision, volume, etc.): WHC-SD-EN-DP-019 Rev. 2

List attachments.

Date Release Required: November 6, 1992

Title: U Plant Geologic and Geophysics Data Package for the 200 Aggregate Area Management Study

Unclassified Category: UC-N/A

Impact Level: 4

New or novel (patentable) subject matter? [X] No [] Yes
If "Yes", has disclosure been submitted by WHC or other company?
[] No [] Yes Disclosure No(s).

Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions?
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Title of Conference or Meeting: N/A

Group or Society Sponsoring: N/A

Date(s) of Conference or Meeting: N/A

City/State: N/A

Will proceedings be published? [] Yes [] No
Will material be handed out? [] Yes [] No

Title of Journal: N/A

CHECKLIST FOR SIGNATORIES

Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval: Name (printed)	Signature	Date
Classification/Unclassified Controlled Nuclear Information	[]	[X]			
Patent - General Counsel	[]	[X]	per telecon with WHC Legal B. Williamson on		
Legal - General Counsel	[]	[X]	11/2/92 no need to review 11/2/92 N. Solis		
Applied Technology/Export Controlled Information or International Program	[]	[X]			
WHC Program/Project	[]	[X]			
Communications	[]	[X]			
RL Program/Project	[]	[X]			
Publication Services	[X]	[]	LA Brown	RA Brown	11/2/92
Other Program/Project	[]	[X]			

Information conforms to all applicable requirements. The above information is certified to be correct.

	Yes	No
References Available to Intended Audience	[X]	[]
Transmit to DOE-HQ/Office of Scientific and Technical Information	[]	[X]

Author/Requestor (Printed/Signature): S. J. Trent — Date: 10/28/92

Intended Audience: [] Internal [] Sponsor [X] External

Responsible Manager (Printed/Signature): R. A. Carlson — Date: 10/29/92

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP

Stamp is required before release. Release is contingent upon resolution of mandatory comments.

APPROVED FOR RELEASE — OFFICIAL DOCUMENT — NS — Date 11/2/92

Date Cancelled | Date Disapproved

9413096.1509

BD-7600-062 (08/91) WEF074

Part 6

DISTRIBUTION SHEET

To: Distribution

From: 200/300 Remedial Investigation Group

Date: October 30, 1992

Project Title/Work Order:

U Plant Geologic and Geophysics Data Package for the 200 Aggregate Area Management Study
WHC-SD-EN-DP-019, Rev 2

EDT No.:

ECN No.: 169852

Name	MSIN	With Attachment	EDT/ECN & Comment	EDT/ECN Only
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J. R. Brodeur	G6-50	X		
R. W. Bryce	K6-96	X		
R. A. Carlson	H4-55	X		
M. A. Chamness	K6-96	X		
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