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April 24, 1990

Meeting Minutes Transmittal/Approval

Unit Managers Meeting: 200-BP-1 Operable Unit

450 Hills Street, Rm 47

April 19, 1990

From/
Appvl. _____ Date: May 17, 1990
Julie K. Erickson, 200-BP-1 Unit Manager, DOE-RL (A6-95)

Appvl.: _____ Date: _____
Douglas R. Sherwood, 200-BP-1 Unit Manager, EPA (A7-70)

Appvl.: _____ Date 5/17/90
Larry Goldstein, 200-BP-1 Unit Manager, WA Department of Ecology

Meeting Minutes are attached. Minutes are comprised of the following:
- Attachment #1 - Meeting Summary/Summary of Commitments and Agreements;
- Attachment #2 - Agenda for the Meeting;
- Attachment #3 - Attendance List;
- Attachment #4 - Commitments/Agreements Status List and;
- Attachment #5 - Handouts provided at the meeting.

Prepared by: _____ Date: 5/17/90
SWEC Support Services (MSIN A4-35)

Concurrence by: _____ Date: 5/17/90
WHC RI Coordinator

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EDMC

Distribution:

Donna Lacombe, PRC
Ward Staubitz, USGS
Jerry Chiaramonte, SWEC (A4-35)
Jack Waite, WHC (B2-35)
Tom Wintczak, WHC (B2-15)
Mel Adams, WHC (H4-55)
Wayne Johnson, WHC (H4-55)
Rich Carlson, WHC (H4-55)
Brian Sprouse, WHC (H4-22)
Bill Price, WHC (SO-03)
Ralph O. Patt, OR Water Resources Dept.
Doug Dunster, Golder Assoc.
Mike Thompson, DOE (A6-95)
Diane Clark, DOE (A5-55)
David Myers, SWEC (A4-35)

cc. Ronald D. Izatt (A6-95)
Director, DOE-RL, ERD
Ronald E. Gerton (A6-80)
Director, DOE-RL, WMD
Roger D. Freeberg (A6-95)
Chief, Rstr. Br., DOE-RL/ERD
Steven H. Wisness (A6-95)
Tri-Party Agreement Proj. Mgr
Richard D. Wojtasek (B2-15)
Prgm. Mgr. WHC

ADMINISTRATIVE RECORD (200-BP-1) [Care of Susan Wray, WHC (H4-51C)]

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Attachment #1

Meeting Summary and Summary of Commitments and Agreements
200-BP-1 Operable Unit Managers Meeting
450 Hills Street, Room 47
April 18, 1990

Meeting Summary/Summary of Commitments and Agreements

1. A new Work Plan change procedure is under development. A draft change notification form was presented; this form, if approved, will be used for all projects. When completed and signed the form would be forwarded to the Administrative Record File, DOE-RL and, Regulatory Agencies for inclusion in official copies of Work Plans. This new method will allow for minor changes to be signed off by Unit Managers (TPA Section 9.3) and permit early inclusion in the Administrative Record.

2. Well remediation actions were presented. It was determined that all questions regarding any WAC requirements for Hanford would be handled through the Ecology Office of Hanford Affairs (Tim Nord). Alterations of deviations from specific WAC requirements will be handled on a case-by-case basis.

   New information packages on well seals were given to the regulatory agencies. These packages provide the most current knowledge and status of wells considered for use in the RI/FS.

3. The current schedule for well remediation shows the work being done by September 30, 1990. At this time two wells are being worked over.

4. A new EII is currently under internal review. EII 8.3 "Remediation of Groundwater Wells" will be distributed for agency review in the near future.

5. Discussion on the timing of drilling and use of new wells for aquifer tests resulted in affirmation of the need for those tests and the importance of the timing between the drilling and testing tasks.

Action # 2BP1.30: **A formal written proposal detailing the procedure for drilling, and leaving the wells unsealed for up to nine months will be prepared for Ecology review and approval. Action Karl Fecht.**

6. A problem has arisen in the collection of soils samples for moisture content. The samples are collected using stainless steel sleeves in the sampling device. Samples cannot be monitored for alpha radiation when contained in the sleeves or when they contain even background moisture. Health Physics Technicians will not release the samples to a "cold" laboratory without monitoring them.

Action # 2BP1.31: **WHC will address the alternatives and present them at the May UMM. A possible work-around is to collect the samples and retain them until they can be analyzed in a Hot Lab. Action Rich Carlson.**

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7. Minor changes in Work Plan descriptions of monitoring well installations are necessary to make the plan reflect the methods described in the EIIs. Starter casing being used is only 10 inches in diameter rather than the 12 inch noted in the plan. The annular seal materials being used are granular bentonite above the water table rather than cement grout with 5% added bentonite. The EIIs, Work Plan and Construction Documents will be made to coincide with one another.

8. Well drilling is on schedule with completion of the monitoring wells scheduled for the end of July 1990. Three wells are presently under construction.

9. A routine radiation survey of the 200 *East* Area revealed surface contamination previously unknown in the 200-BP-1 Operable Unit. The contamination was either exposed or deposited during the windstorm that affected the Pasco Basin.

10. Several questions were raised concerning the use of existing wells for the operable unit investigation. These questions relate to how WAC 173-160 will be interpreted by Ecology.

    - Are existing wells "grandfathered" so that the revised regulations do not apply to them?

    - Does the taking of remedial activities at any "grandfathered" well cause the well to be considered "new" and subject to all requirements of WAC 173-160?

    - Can existing wells be used to provide data leading to an ROD even though they do not fully meet the requirements of the WAC regulations and EPA's Technical Enforcement Guidance Document?

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Attachment #2

200-BP-1 Unit Managers Meeting Agenda
April 18, 1990
450 Hills Street, Room 47

Introduction

Status:

- Action Items
- Work Plan
- Remedial Investigation
  - Well Remediation
  - Work Plan Changes
    - Well Specification/purpose
    - SS Sample Sleeves
    - Starter Casing
    - Annular Seal
- Schedule
  - Status of New Well Construction

Issues:

- Implementation/Documentation of Work Plan Changes

Other Topics:

- Surface Radiological Contamination

Agreements and Commitments

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Attachment 3

Attendance List
200-BP-1 Operable Unit
Unit Managers Meeting
April 18, 1990

NAME	ORG.	O.U. Role	PHONE
Doug Sherwood	EPA	Unit Mgr	509-376-9529
Larry Goldstein	WDOE	Unit Mgr	206-438-7018
Chuck Cline	WDOE	Hydrogeol.	206-438-7556
R. Douglas Hildebrandt	DOE-RL	EOB	509-376-7287
Roger Pressentin	DOE-RL	Admin Ass't	509-376-5983
Mike Thompson	DOE-RL	Hydrogeol.	509-376-6421
Ward Staubitz	USGS	EPA Support	206-593-6510
Donna Lacombe	PRC	EPA Support	206-624-2692
David Myers	IT	GSSC	509-376-0969
Michael Gasser	SWEC	GSSC	509-376-9830
Rich Carlson	WHC	RI Coord.	509-376-9027
Jim Consort	WHC	FTL	509-376-9127
Karl Fecht	WHC	Geosci. Mgr	509-376-0940
M.G. Gardner	WHC	Well Maint.	509-373-5527
B.A. Gilkeson	WHC	Construction	509-373-4073
Mike Hagood	WHC	Hydro. Support	509-376-6996
Ron Jackson	WHC	Hydro. Support	509-976-9780
Rod Ledgerwood	WHC	Well Maint.	509-373-3570
Don Moak	WHC	Well Serv. Mgr.	509-373-5983
Jim Patterson	WHC	ER Programs	509-376-0568
L. Craig Swanson	WHC	Hydro. Support	509-376-1438
Tom Wintczak	WHC	ER Programs	509-376-0902
Douglas Morell	GAI	Unit FS	206-883-0777
Steve Kowall	EMO		509-376-4661

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Attachment #4

Commitments/Agreements Status List
200-BP-1 Operable Unit
April 19, 1990

Item No.	Action	Status
2BP1.29	WHC is to provide an updated as-built diagram of each of the wells of immediate importance to the Remedial Investigation. A description of proposed maintenance/remediation activities associated with that well will be provided with each well diagram. Action: Don Moak, WHC by the April UM Meeting	Closed A package of well descriptions provided at this meeting.

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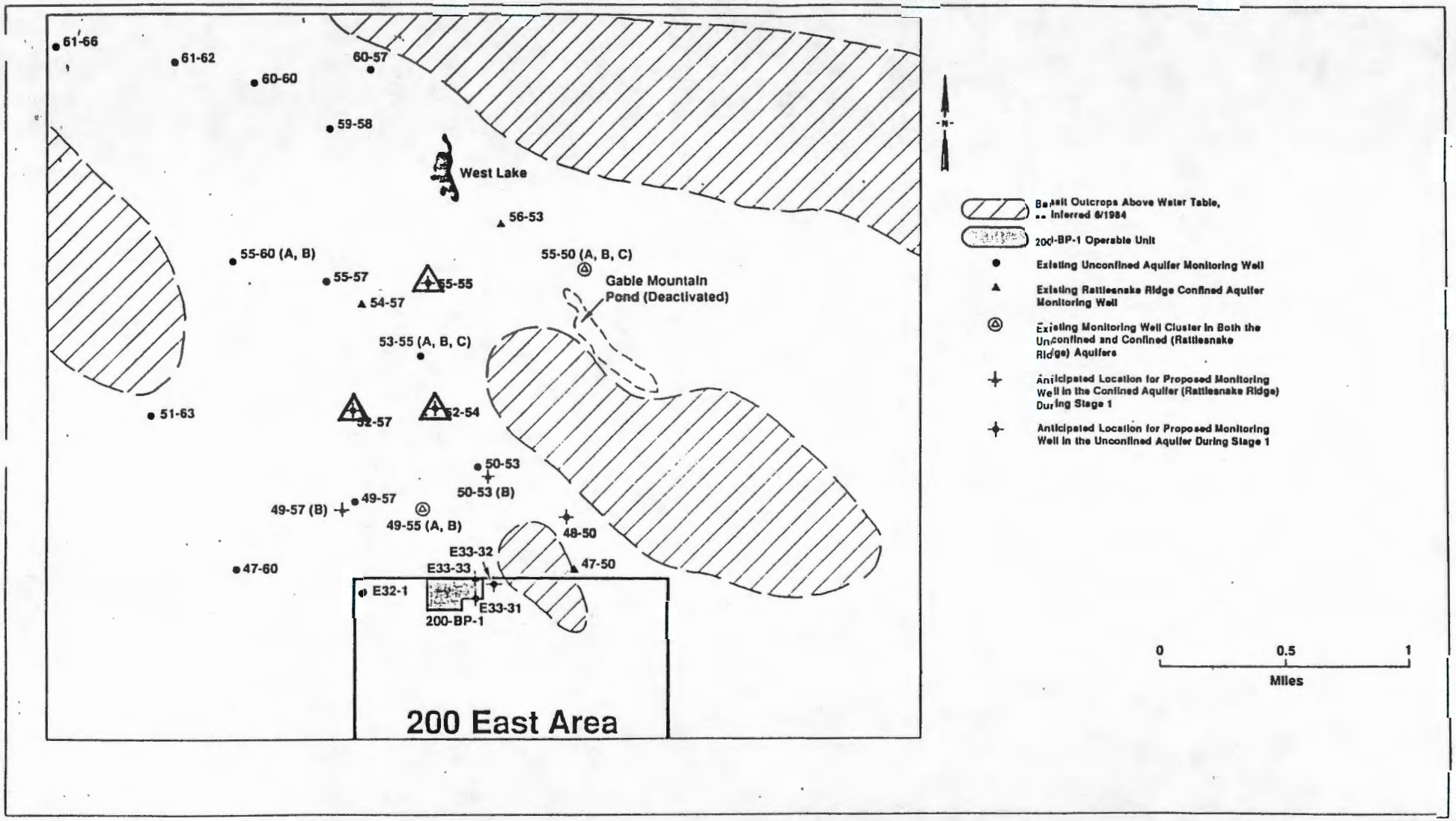
200-BP-1 NEW GROUNDWATER WELLS

		BOREHOLE DIA. (INCHES)	COMPLETED DIA. OF WELLS (INCHES)	USE
UNCONFINED AQUIFER	52-54	8-10	6 (4)	
	52-57	8-10	6 (4)	
	55-55	8-10	6 (4)	o WATER QUALITY o HYDRAULIC HEAD
CONFINED AQUIFER	E33-33	8	4	o TESTING
	49-57B	8	4	
	50-53	8	4	

Attachment #5



883-1726/12794

Figure 7. Location Map for Proposed Monitoring Wells During Task 6, Stage 1 of Phase I.

SAP/FSP-31/32

EVALUATION CRITERIA

- MINIMIZE RI DELAYS
- FOLLOW WHC CONSTRUCTION REQUIREMENTS
- KEEP COST DOWN

ALTERNATIVES

- CONTINUE DRILLING WITH 4 INCH COMPLETION; DRILL TESTING WELLS AT FUTURE DATE
- STOP CONSTRUCTION AND CHANGE DESIGN TO INCLUDE LARGER THAN 4 INCH COMPLETION
- CONTINUE DRILLING, PERFORM INITIAL MONITORING FOLLOWED BY AQUIFER TESTING IN 8-10 INCH HOLE; COMPLETE AS 4 INCH AFTER WELL TESTING

ALTERNATIVE FOR CONDUCTING DRAWDOWN/RECOVERY TESTS

AT WELLS 6-52-54, 6-52-57, 6-55-55

- INSTALL 8-INCH TELESCOPING SCREEN AND BACKPULL TEMPORARY CASING TO EXPOSE SCREEN
- LEAVE 8-INCH SCREEN IN PLACE, INSTALL PUMP TO MONITOR WATER QUALITY AND HYDRAULIC HEAD OVER 9-MONTH PERIOD
- EVALUATE FEASIBILITY OF CONDUCTING AQUIFER TESTS. TESTING WILL BE PERFORMED ONLY ON WELLS WHERE GROUNDWATER CAN BE DISCHARGED DIRECTLY TO GROUND
- IF FEASIBLE, CONDUCT DRAWDOWN/RECOVERY TESTS (APRIL 1991)

<u>RISKS</u>

- A SINGLE-WELL PUMP TEST RUN IN AN 8-INCH SCREEN MAY NOT PROVIDE ADEQUATE HYDROLOGIC PARAMETER VALUES
- POTENTIAL PROBLEM IN PULLING TEMPORARY CASING FROM BOREHOLES AFTER A 9-MONTH PERIOD

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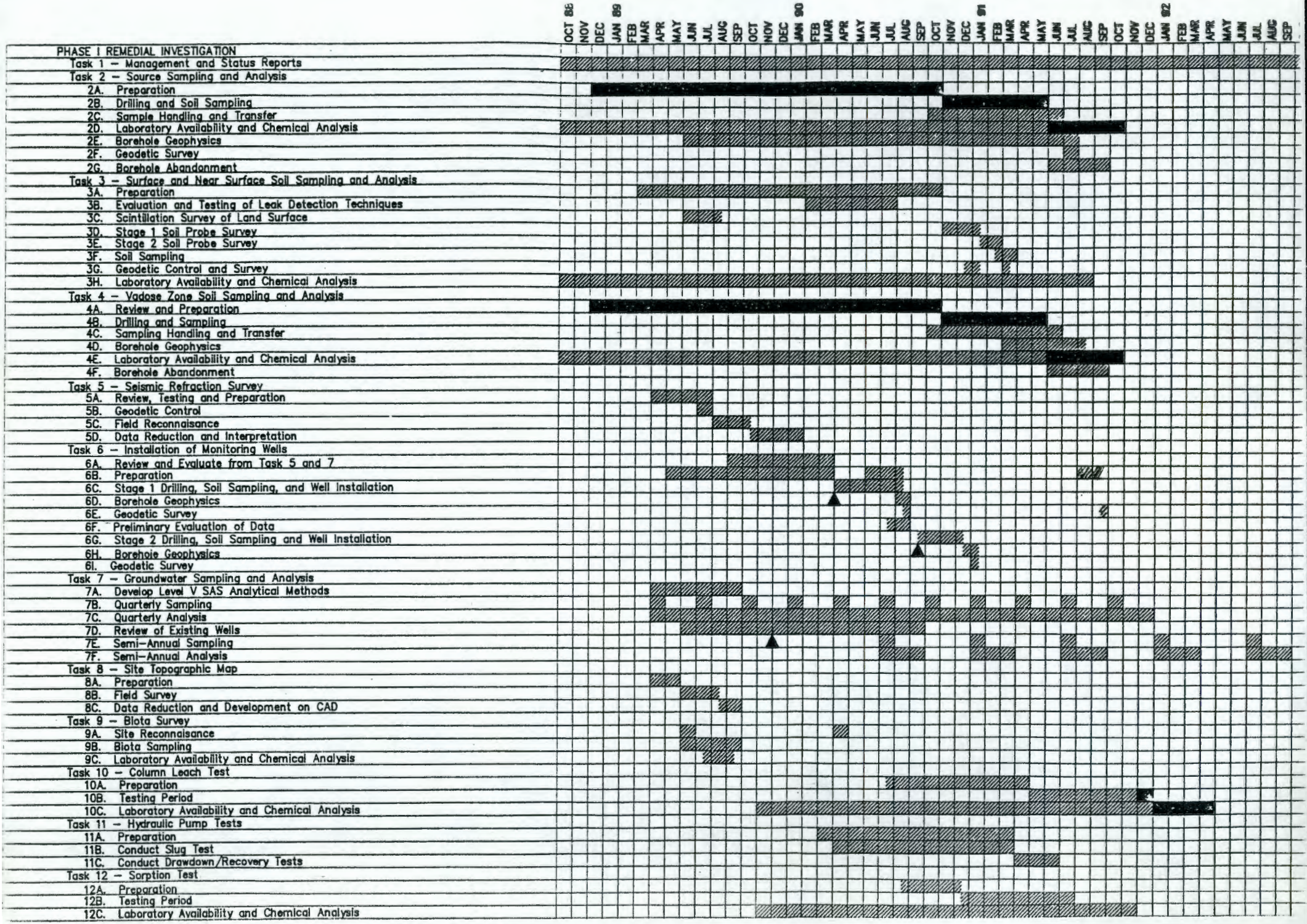

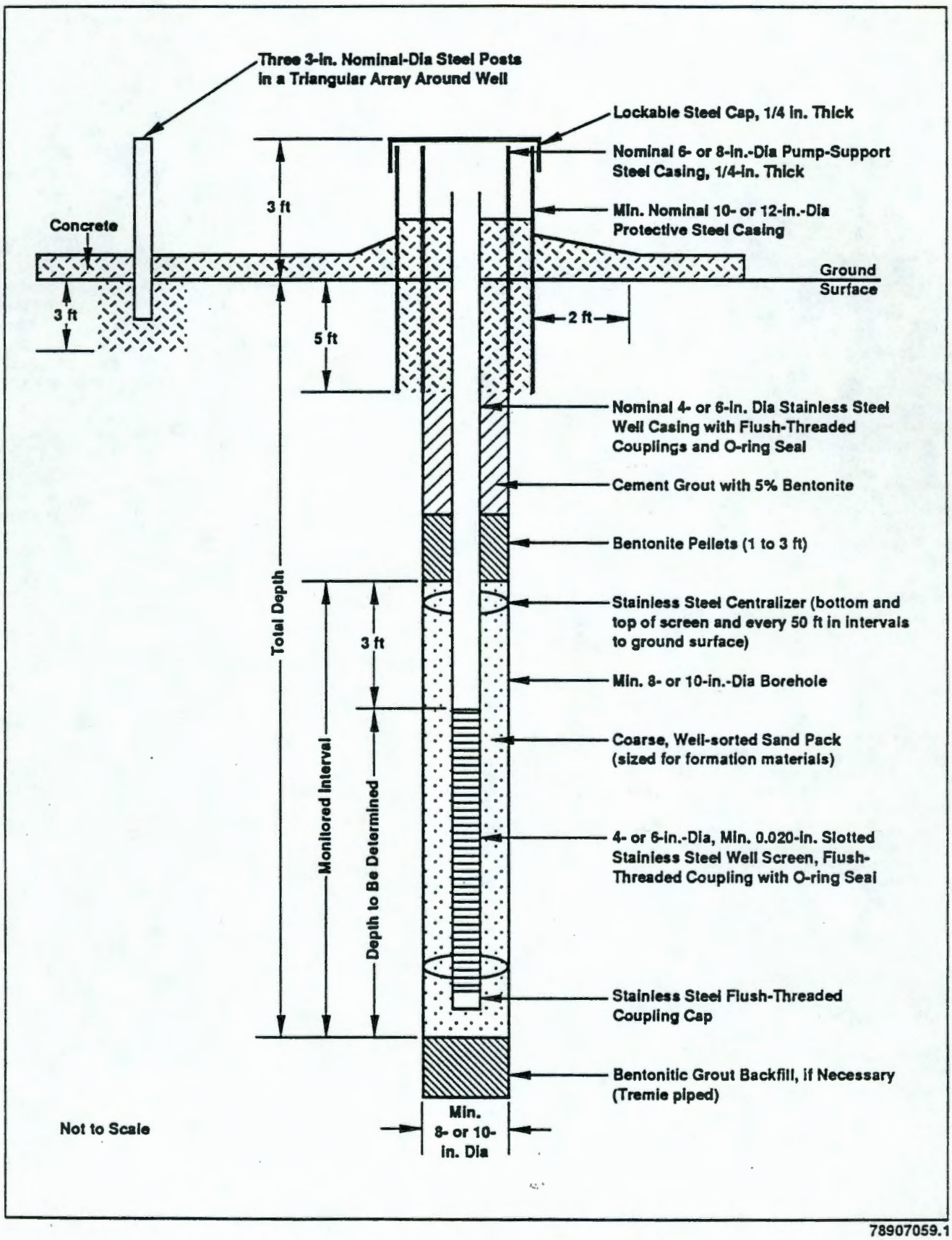

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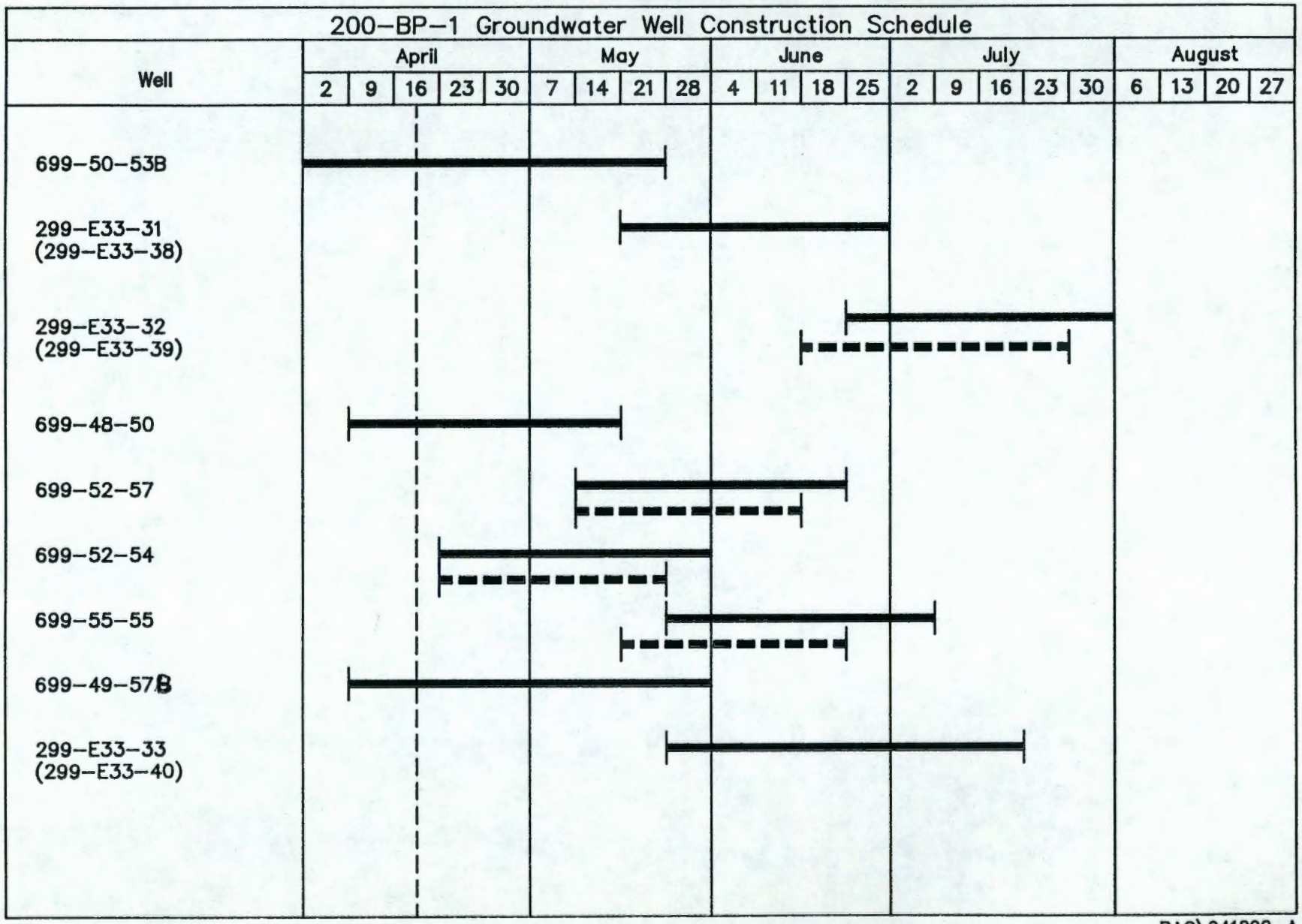
200-BP-1 Groundwater Well Construction Schedule
Well
April
May
June
July
August
2
9
16
23
30
7
14
21
28
4
11
18
25
2
9
16
23
30
6
13
20
27
699-50-53B
299-E33-31
(299-E33-38)
299-E33-32
(299-E33-39)
699-48-50
699-52-57
699-52-54
699-55-55
699-49-57B
299-E33-33
(299-E33-40)

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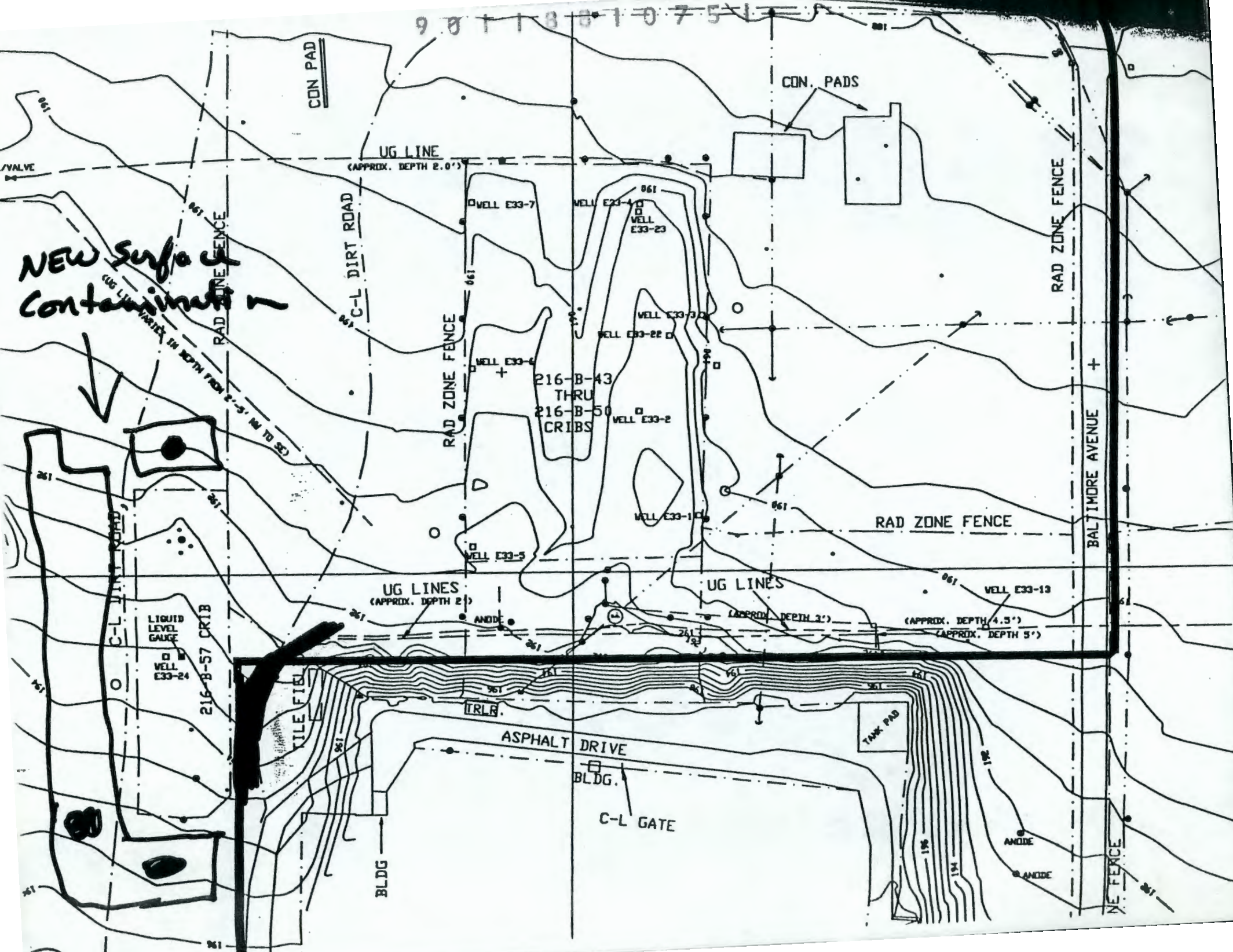

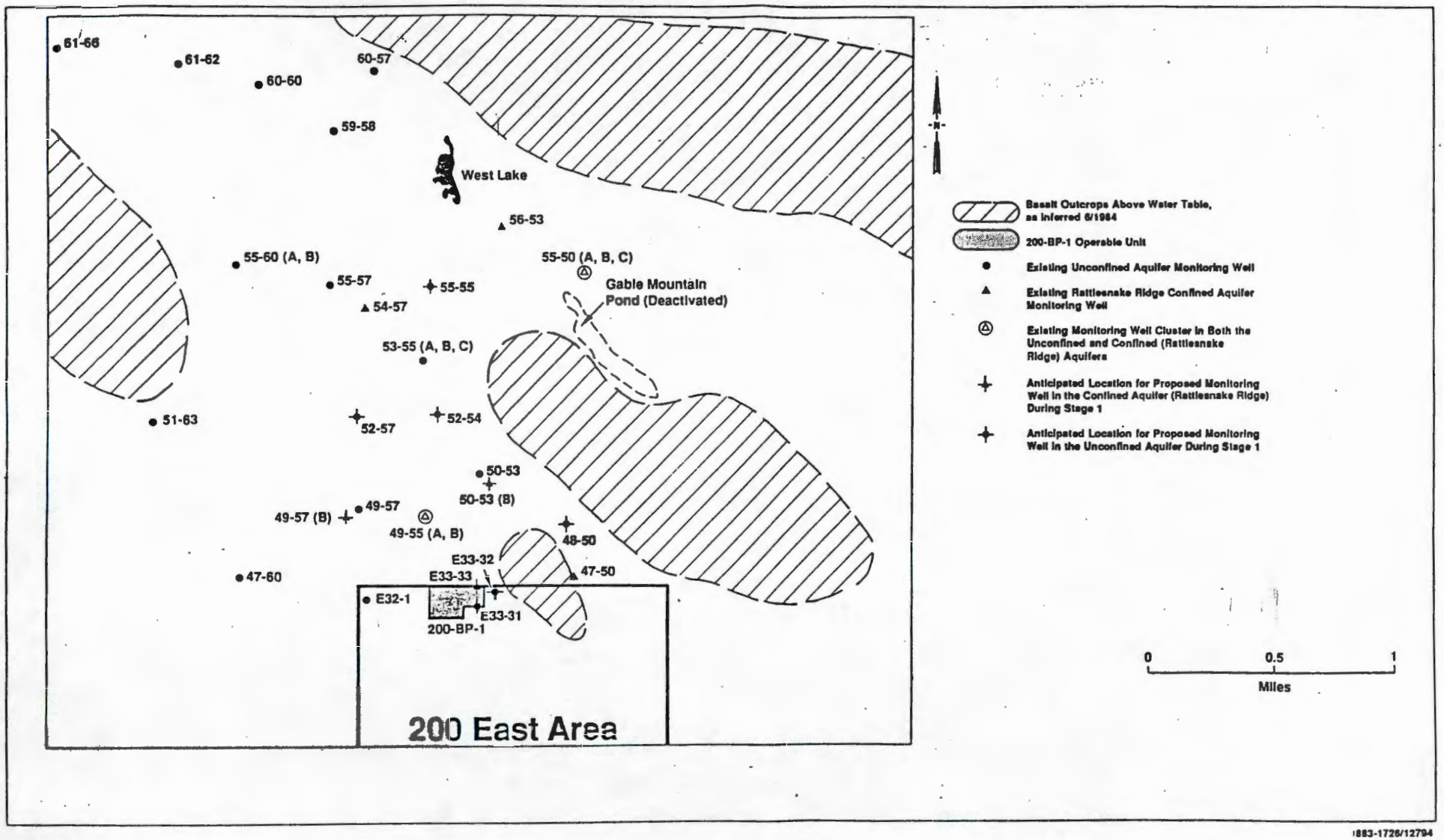

1883-1726/12794

Figure 34. Location Map for Proposed Monitoring Wells During ~~Task 6,~~ Stage 1 of Phase I.

WP-153/154

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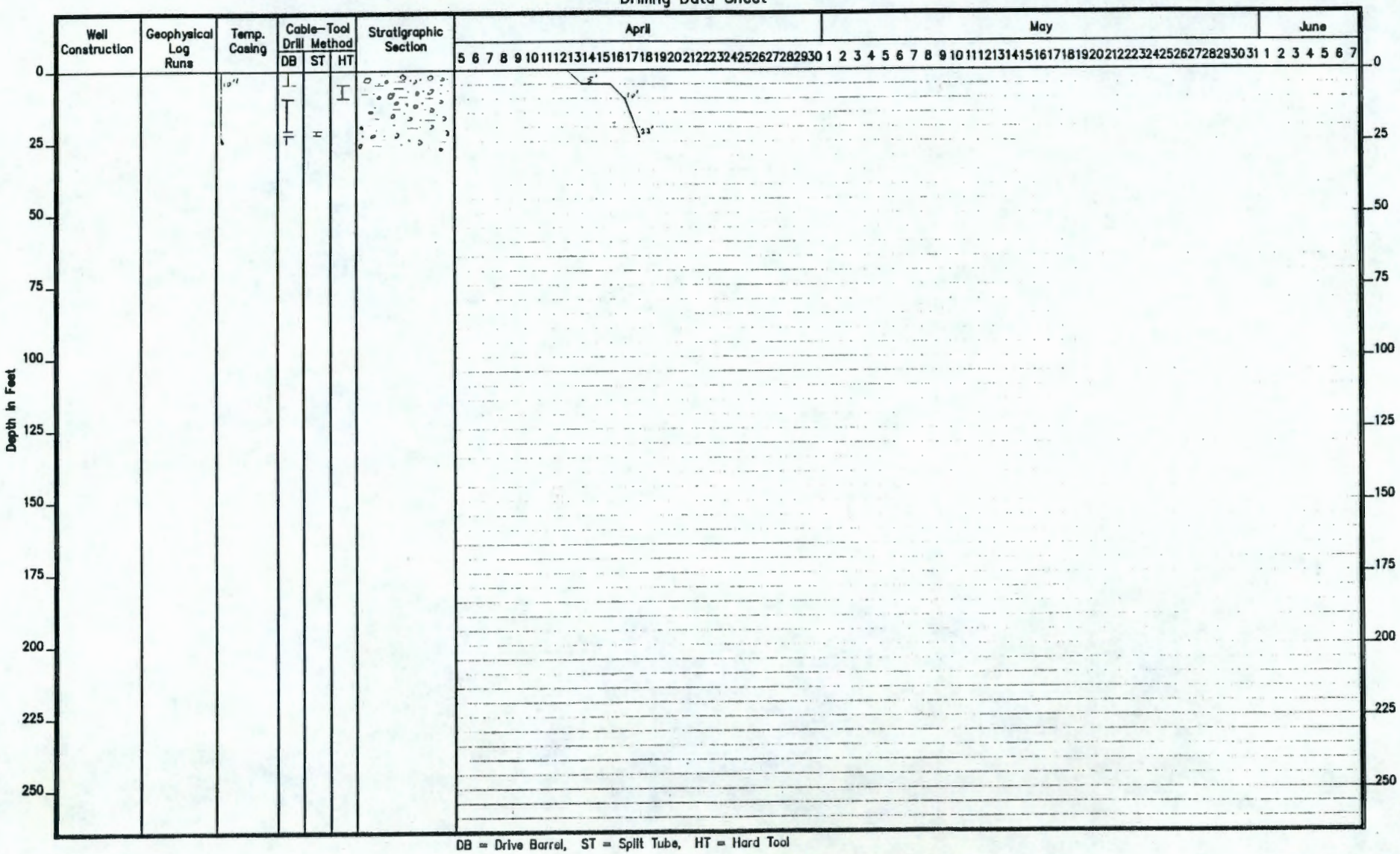
Monitoring Well 699-~~49~~-48-50
Drilling Data Sheet



DB = Drive Barrel, ST = Split Tube, HT = Hard Tool

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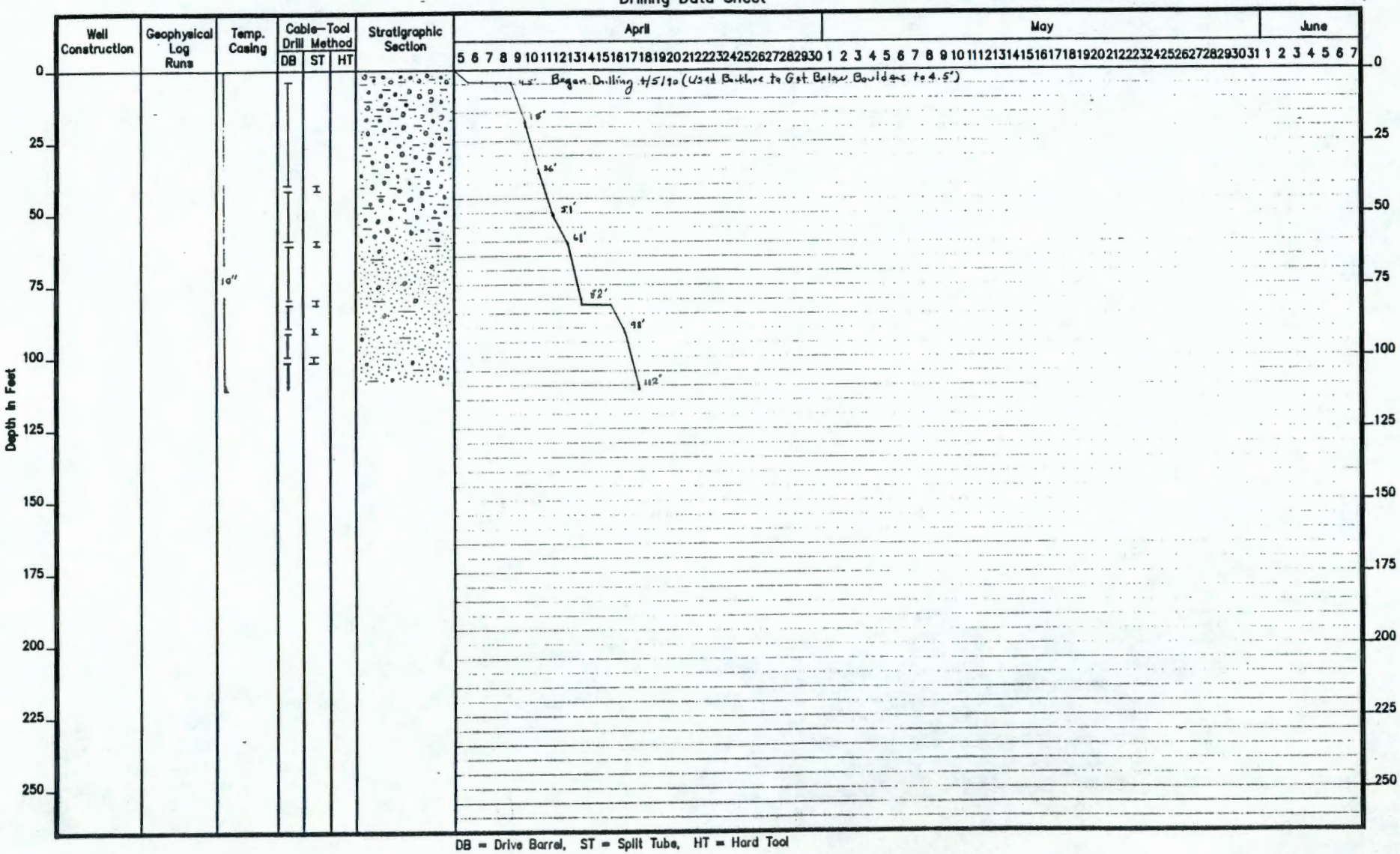
Monitoring Well 699-50-53B
Drilling Data Sheet



DB = Drive Barrel, ST = Split Tube, HT = Hard Tool

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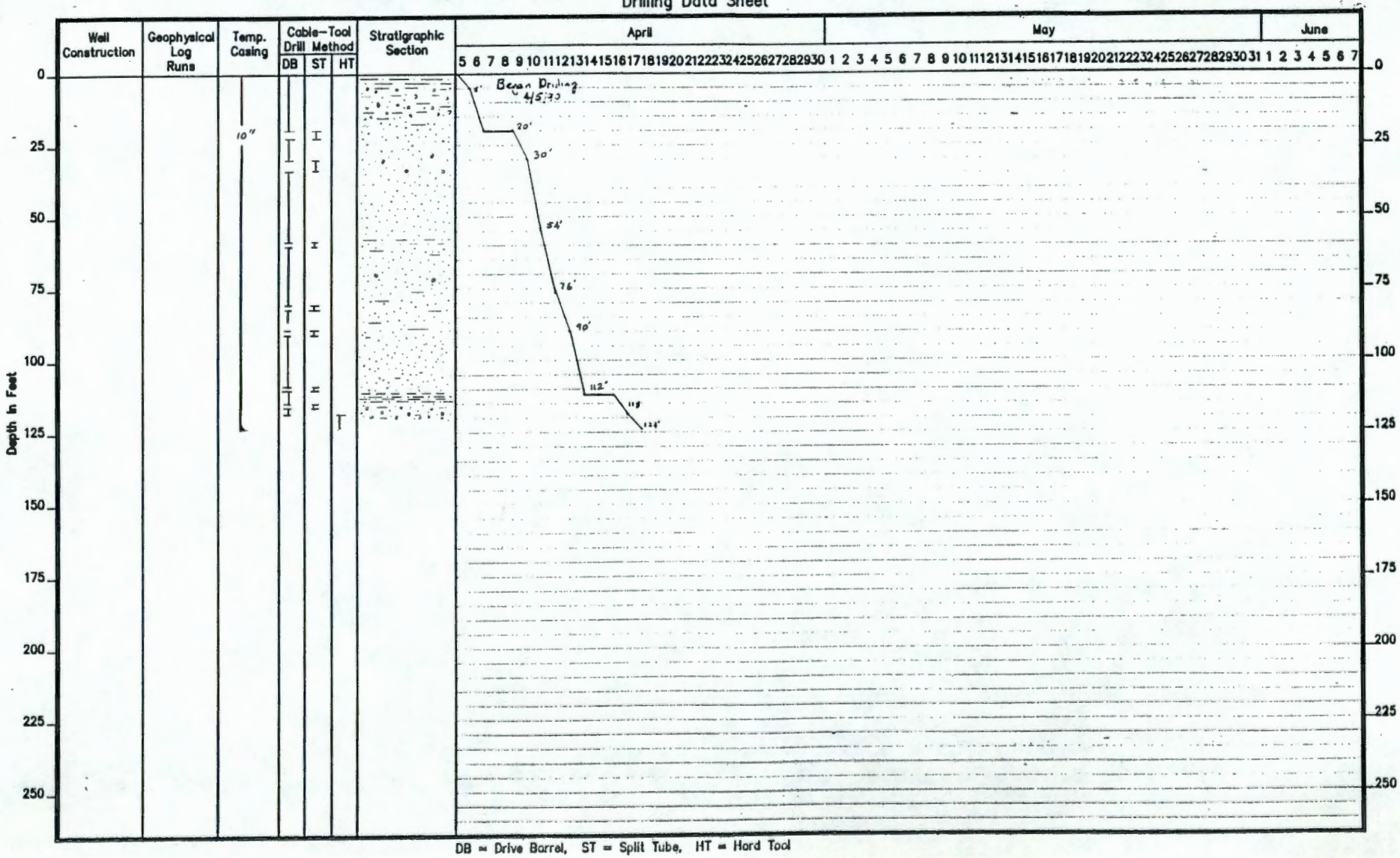
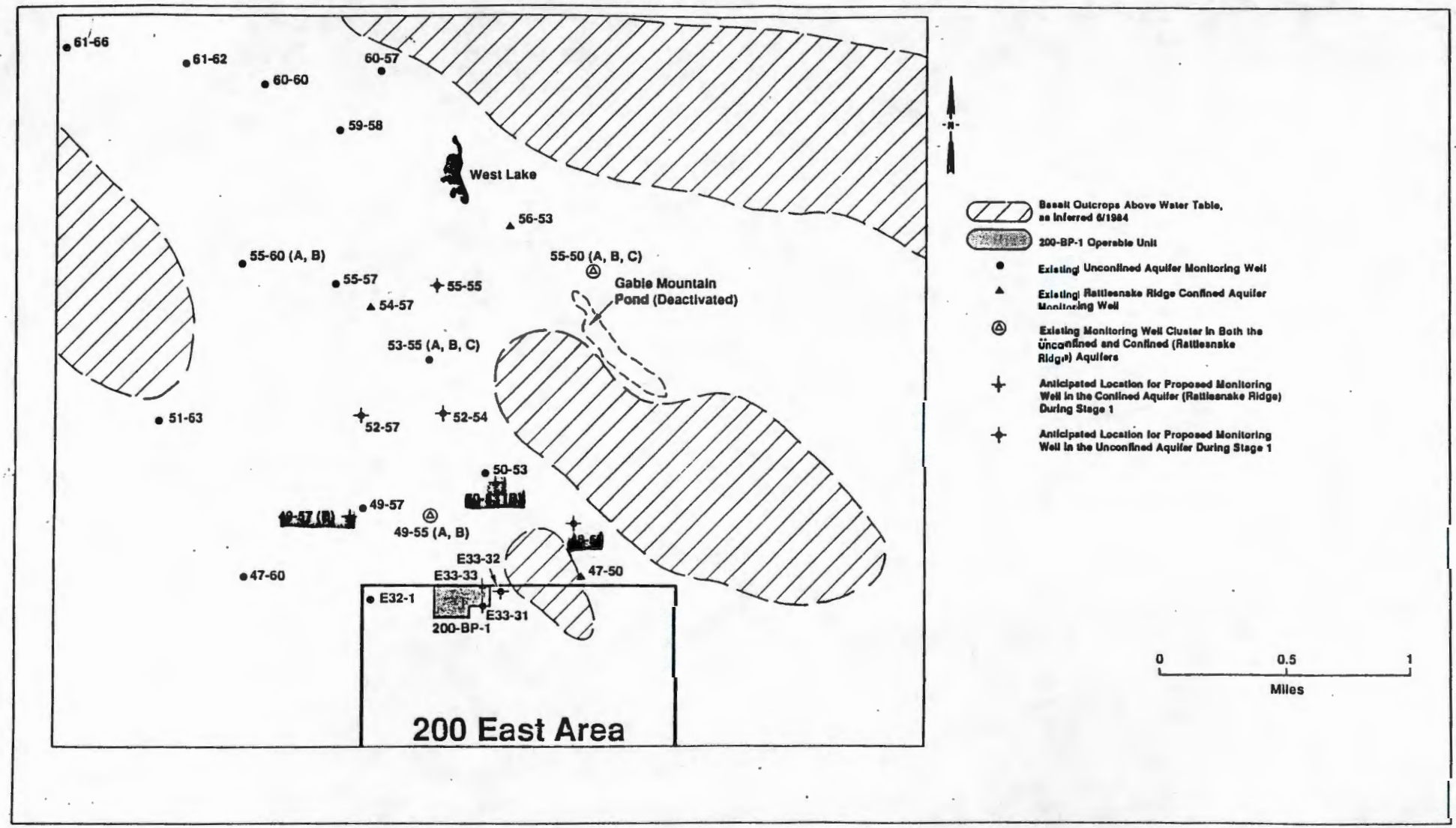
Monitoring Well 699-49-57B
Drilling Data Sheet



DB = Drive Barrel, ST = Split Tube, HT = Hard Tool



1883-1726/12794

Figure 34. Location Map for Proposed Monitoring Wells During Task 6, Stage 1 of Phase I.

WP-153/154