

01.02-03/27/87-02080



UNITED STATES MARINE CORPS
Marine Corps Base
Camp Lejeune, North Carolina 28542-5001

6280/11
FAC
MAR 27 1987

North Carolina Division of
Environmental Management
Attn: Mr. Rick Shiver
7225 Wrightsville Avenue
Wilmington, North Carolina 28403-3969

Re: Progress Report: JP-5 Recovery,
MCAS, New River

Dear Mr. Shiver:

We are forwarding the February progress report for your information and review. We will provide subsequent updates upon receipt from the contractor.

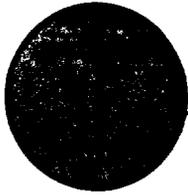
For further information, please contact Mr. Bob Alexander, MCB Environmental Engineer at (919) 451-3034.

Sincerely,

T. J. DALZELL
Colonel, U.S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl:
(1) Progress Report

Copy to:
CMC (LFL)
LANTNAVFACENCOM (Code 114)
CO, MCAS, NR



SPECIALIZED MARINE, Inc.

P.O. Box 813

Wrightsville Beach, NC 28480

(919) 256-5780

March 9, 1987

U. S. Marine Corps Base
Commander General
Assistant Chief of Staff-Facility
ATTN: Mr. Bob Alexander
Camp Lejeune, N. C. 28452-5001

RE: Jet Fuel Clean-Up
White Street, MCAS
Camp Lejeune, N. C.

Dear Bob:

Attached is our monthly monitoring report for the JP-5 clean-up at Camp Lejeune, N. C. An additional copy is also attached for you to forward to Mr. Rick Shiver, P.G., of the N. C. Division of Environmental Management, 7225 Wrightsville Avenue, Wilmington, N. C. 28403-3696.

Beginning in January, the recently installed telephone manhole, just north of well #W-4, was pumped free of water by the same company which installed them. Subsequently, free floating product may have been drawn away from the recovery wells. Recovery rates dropped in wells #R-1, #R-2 and #R-3 since we are still experiencing reduced recovery rates.

We will continue to closely monitor this project and will report to you again next month. Please feel free to contact this office if you have any questions or requests.

Sincerely,

Burt Lea, President
Specialized Marine, Inc.

Enclosures

ABL/nd

Richard Catlin & Associates, Inc.

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

RC&A

March 4, 1987

Specialized Marine, Inc.
ATTN: Mr. Burt Lea
P. O. Box 813
Wrightsville Beach, N. C. 28480

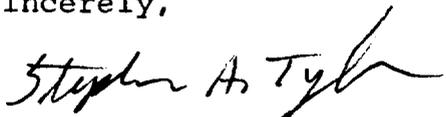
Dear Mr. Lea:

Attached is our monthly monitoring report concerning the JP-5 clean-up project near the Marine Corps Air Station in Camp Lejeune, N. C. An additional copy is attached for you to forward to Mr. Rick Shiver, Division of Environmental Management, 7225 Wrightsville Avenue, Wilmington, N.C. 28403-3696.

Figure 1 shows a diagram of the interpolated water table contours. The estimated extent of free floating JP-5 contamination at the site is illustrated on Figure 2. Figure 3 shows the cumulative recovery of JP-5 over time, as it is collected from the separator by J. Gonzalez, of Specialized Marine, Inc., and the United States Marine Corps fire training personnel.

If you should have any questions or requests, please do not hesitate to contact our office. We will keep you informed of any significant changes.

Sincerely,


Stephan A. Tyler
Project Geologist


Richard G. Catlin, P.E., P.G.
President

Enclosures

SAT/nd

JOB: JP-5, CAMP LEJEUNE, MCAS COMPUTED BY: SAT DATE: 3/4/87

DESCRIPTION: Monitoring CHECKED BY: RGC DATE: 3/4/87

MONTHLY ASSESSMENT
MONITORING REPORT

1) WATER TABLE SURFACE:

A) OBSERVATIONS: Our latest data shows a water table configuration relatively the same as that observed on our previous visits. The change in the shape of the cone of depression is due to the transfer of an ejector pump, as discussed under 3) below.

2) CONTAMINATION PLUME:

A) CHANGES SINCE LAST REPORT: Since our last report (2/23/87), measurable amounts of product accumulation have decreased in monitoring wells #W-4, #W-10, and recovery wells #R-1, #R-2 and #R-3. The only increase in free product accumulation was found in monitoring well #W-5.

3) RECOVERY SYSTEM:

A) CHANGES SINCE LAST REPORT: The more symmetrical cone of depression, as opposed to the one interpreted in the 2/23/87 report, is due to an ejector pump being transferred from well #W-5 to well #R-3.

B) DISCUSSION: Although the recovery system has apparently continued to function successfully in free product recovery, no additional recovered JP-5 has been removed from the separator since our last report. To date, approximately 2,957 gallons of recovered JP-5 have been removed from the separator by J. Gonzales, of Specialized Marine, Inc., and the U.S.M.C.

JOB: JP-5, MCAS, Camp Lejeune COMPUTED BY: SAT DATE: 3/4/87

DESCRIPTION: Monthly Monitoring CHECKED BY: RGC DATE: 3/4/87

DATA REDUCTION OF MEASUREMENTS TAKEN 2/23/87

WELL #	WATER TABLE ELEVATION*	PRODUCT THICKNESS (IN FEET)
R-1	83.98	0.75'
R-2	84.11	0.57'
R-3	85.14	0.37'
W-1	90.09	-
W-2	95.33	-
W-3	90.84	-
W-4	87.89	9.51'
W-5	89.65	3.32'
W-6	90.14	-
W-7	95.06	-
W-8	96.04	-
W-9	96.26	-
W-10	94.74	0.37'
W-11	89.82	-
W-12	88.07	-
W-13	89.79	-
W-14	88.97	-
W-15	92.98	-

* Adjusted for Specific Gravity Influence of Floating Product.

Richard Catlin & Associates, Inc.

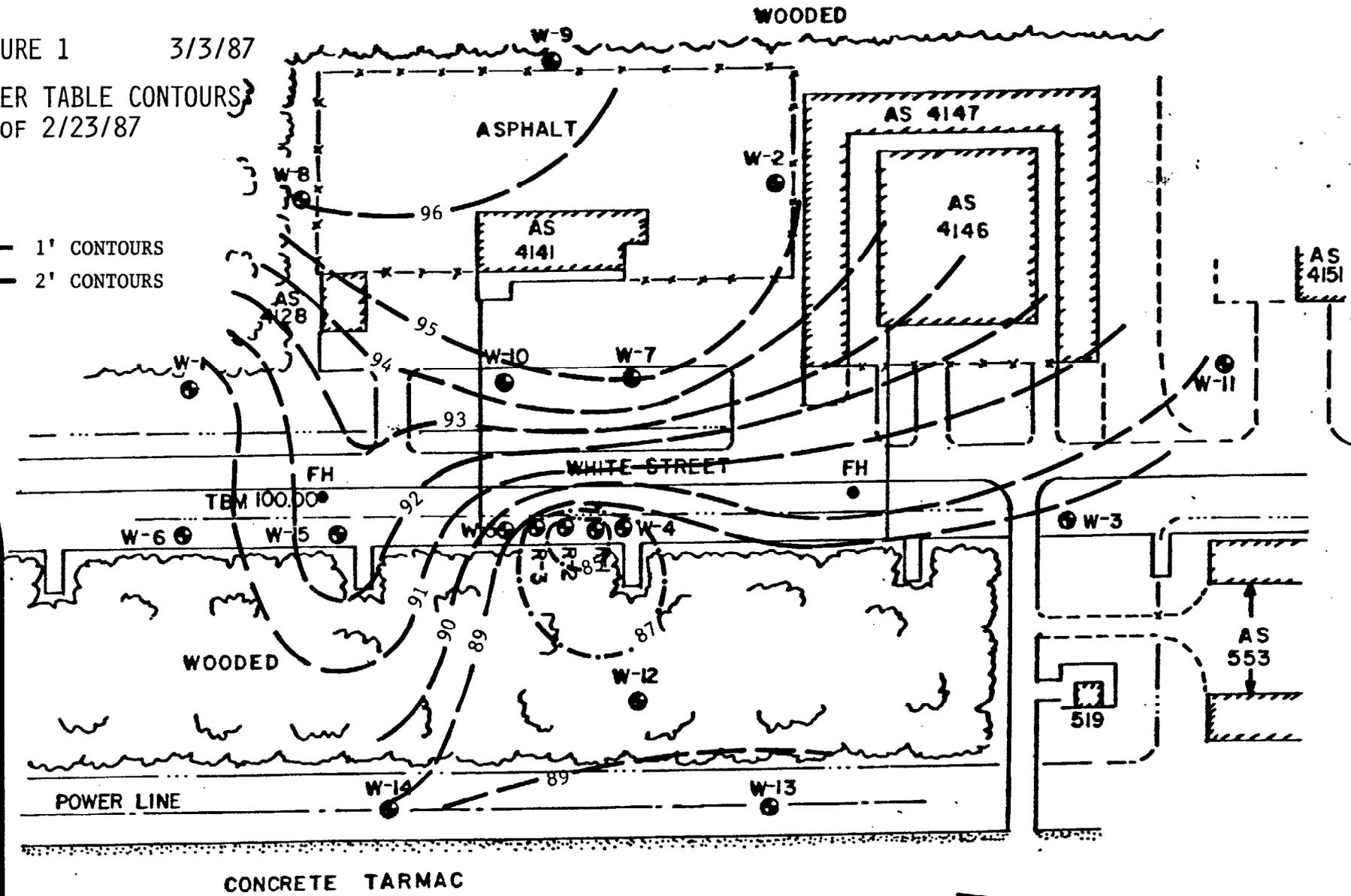
CONSULTING ENGINEERS
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JP-5 CLEAN-UP MCAS

FIGURE 1 3/3/87
WATER TABLE CONTOURS
AS OF 2/23/87

— 1' CONTOURS
- - - 2' CONTOURS



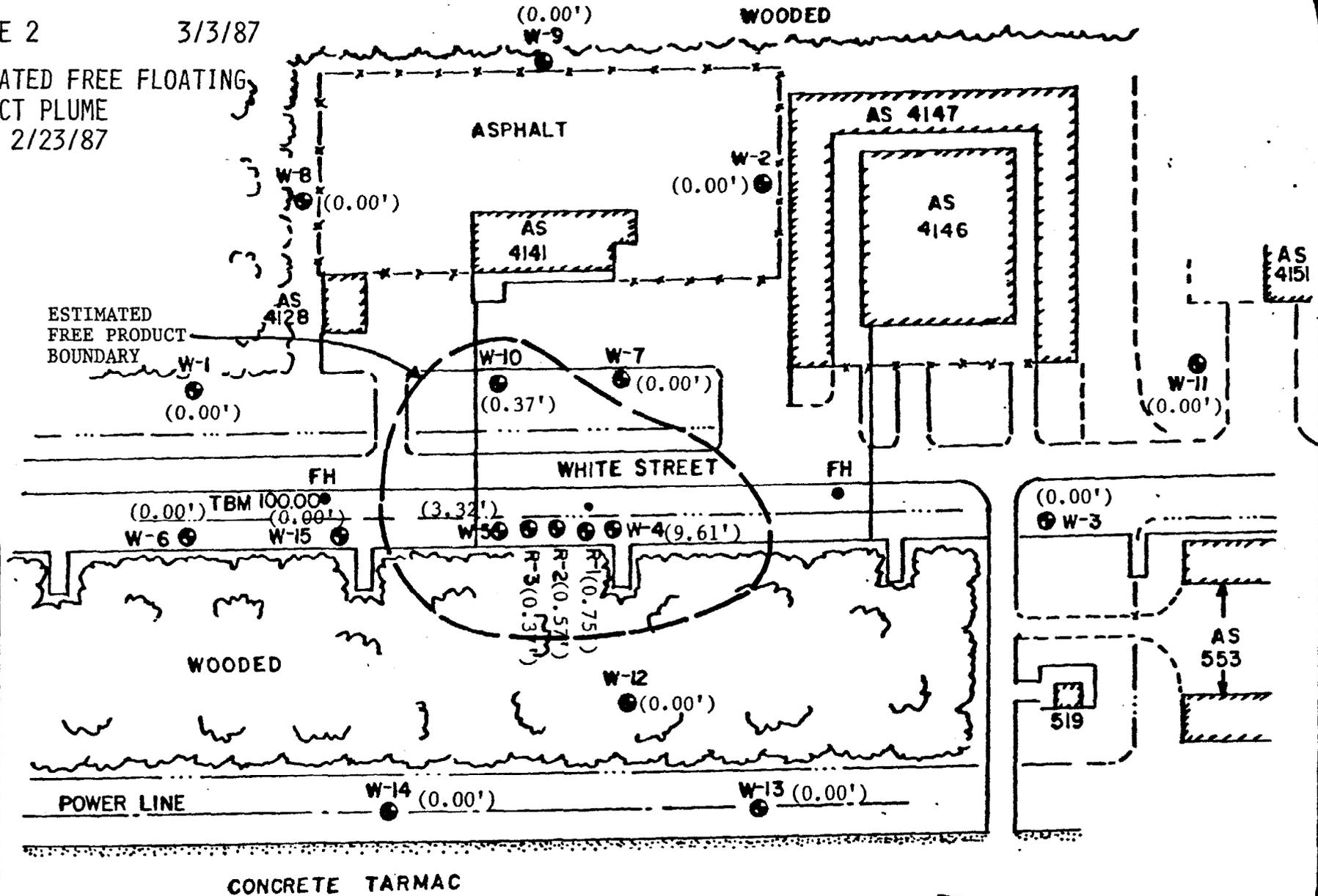
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SCALE: 1" = 100' N

JP-5 CLEAN-UP MCAS

FIGURE 2 3/3/87
ESTIMATED FREE FLOATING
PRODUCT PLUME
AS OF 2/23/87



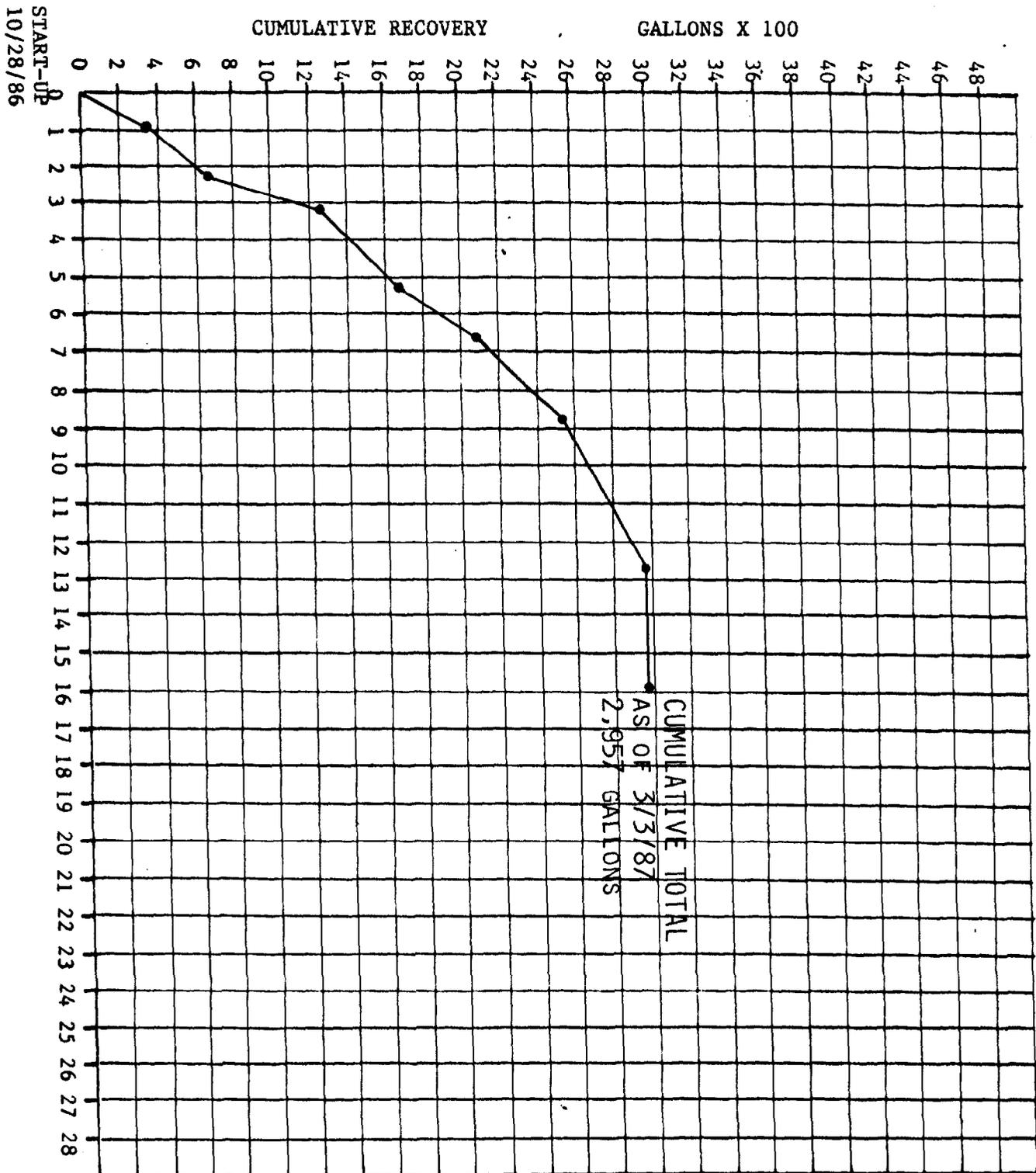
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SCALE: 1"=100'
N

JOB: M.C.A.S. NEW RIVER, JP-5 COMPUTED BY: SAT DATE: 3/3/87

DESCRIPTION: MONTHLY MONITORING CHECKED BY: RGC DATE: 3/3/87



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