

FILE FOLDER

DESCRIPTION ON TAB:

6282/3 Storm Drains

1987

Outside/inside of actual folder did not contain hand written information

Outside/inside of actual folder did contain hand written information

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6280 ENVIRONMENTAL QUALITY AND
POLLUTION CONTROL

(TEMPORARY) SECNAVINST 5212.5B
PART II, CHAP 6, PAR 6000(1)(c)
2 YRS

DD 447-57 Julian: I recommend we discontinue 6286
all non required monitoring
immediately. P. Shaze
D.D. agree julw

FROM: SUPERVISORY CHEMIST, EC+M SECTION, ENVIRONMENTAL
BRANCH, NREAD

TO: SUPERVISORY ECOLOGIST, ENVIRONMENTAL BRANCH, NREAD

SUBJ: STORM DRAINS

REF: (a) PHONCON W/TED BUSH, DEM + E. BETZ ON 15 APR 1987

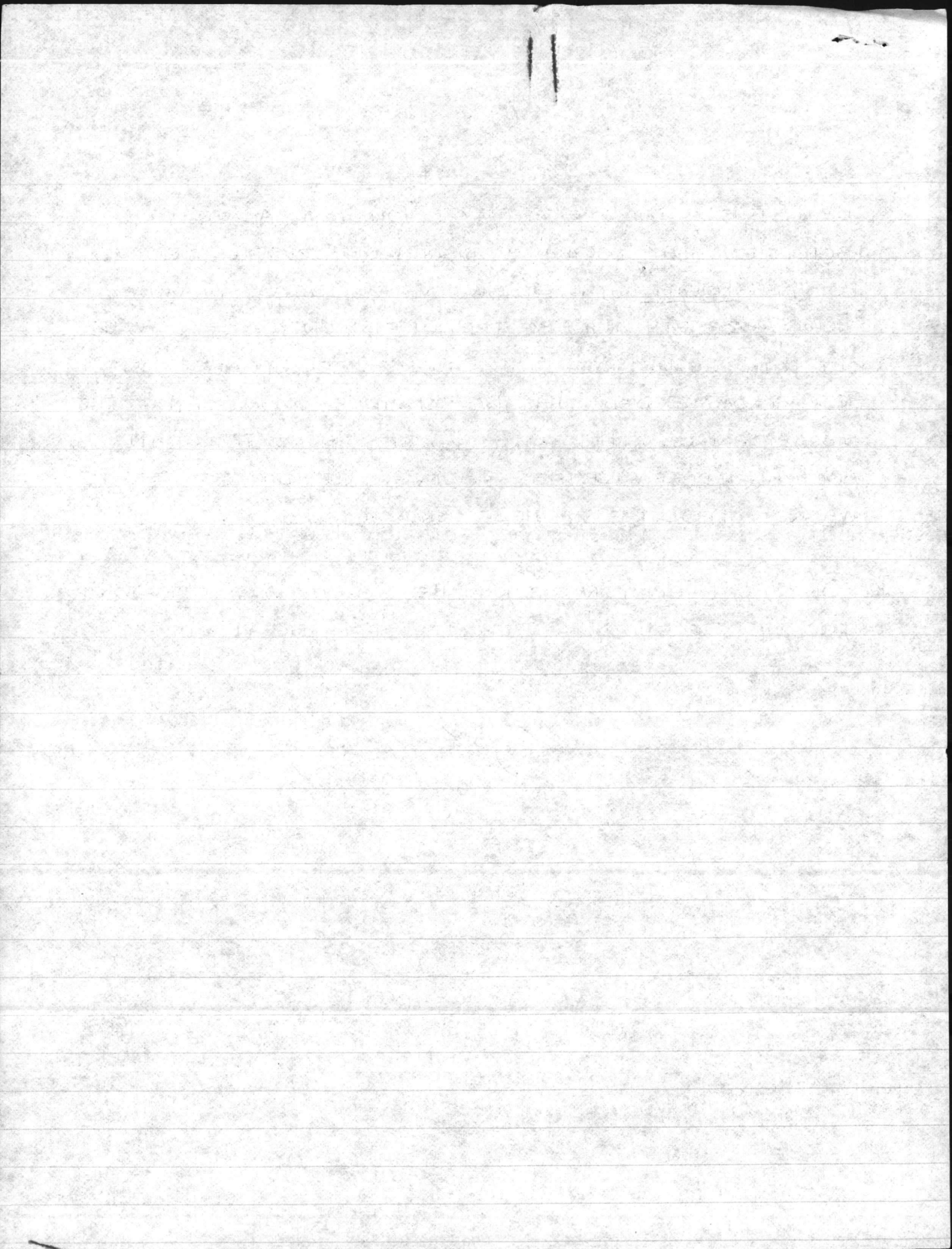
1. ~~DATA~~ ON 15 APRIL 1987, I CALLED PRESTON HOWARD, OF DEM IN WILMINGTON ABOUT THE MONITORING OF STORM DRAINS. MR. HOWARD WAS NOT IN SO TED BUSH CALLED ME BACK TO ANSWER MY QUESTIONS. WE PRESENTLY DO NOT HAVE ANY PERMITS REQUIRING MONITORING ~~ON~~ OF STORM DRAINS OR THE NEW RIVER.
2. TED BUSH STATED THAT THE STORM DRAINS STILL RECEIVING RUNOFF FROM MAINTENANCE AREAS, SWIMMING POOLS, WATER + STEAM PLANTS WOULD HAVE TO BE PERMITTED AND HE WOULD SEND A LETTER ~~AND~~ REQUESTING HOW MANY AND THE LOCATIONS OF SUCH STORM DRAINS TO START THE PERMIT PROCESS. STORM DRAINS THAT NO LONGER RECEIVE SUCH RUNOFF BECAUSE POLLUTION ABATEMENT FACILITIES NOW DISCHARGE INTO THE SANITARY SEWERS ARE OF NO INTEREST TO THE STATE. STORM DRAINS DOWNSTREAM OF POLLUTION ABATEMENT FACILITIES THAT DO NOT ~~HA~~ ~~DIS~~ DISCHARGE INTO THE SANITARY SEWER WOULD HAVE TO BE

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IDENTIFIED FOR PERMITTING. POLLUTION ABATEMENT FACILITIES THAT NORMALLY DISCHARGE TO THE SEWER BUT ARE EQUIP^{ed} WITH STORM WATER BYPASS CHAMBERS WOULD PROBABLY NOT BE PERMITTED UNTIL EPA COMES OUT WITH GUIDENCE ON STORM WATER MONITORING. TED RECOMMENDED THAT WE CONTINUE MONITORING THE STORM DRAINS WITH POINT SOURCES + NO POLLUTION ABATEMENT FACILITIES HOWEVER HE DID SAY ~~THE~~ IT WASN'T REQUIRED, THERE ISN'T A PERMIT.

3. ON THE RIVER MONITORING HE SAID IT WASN'T REQUIRED UNTIL WE RECEIVED A PERMIT SPELLING IT OUT.

Elizabeth A. Buz





1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

| SD # | W & D | FLOW | |
|------|----------------------|-------------|--------------------|
| 72 | 2' x $\frac{1}{2}$ ' | 1' PER SEC. | 4-14-87
583,200 |
| 70 | DRY | | |
| 71 | DRY | | |
| 73 | DRY | | |
| 74 | 2" 6" | 1' PER SEC. | 583,200 |
| 75 | DRY | | |
| 76 | DRY | | |
| 77 | DRY | | |



78-11-11

1964

W. D.

200

1964

2 x 2

57

100

10

100

10

100

10

1964

100

10

100

10

100

10

100

10

QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

MCBCL 11345/7

add 1.0

| DATE COLLECTED | STORM SEWER NUMBER | FLOW RATE GALLONS PER DAY | SAMPLE COLLECTOR | TOTAL SUSPENDED SOLIDS (TSS) 3/5/87 | | | | | | | OIL AND GREASE | | | | | pH | | | |
|----------------|--------------------|---------------------------|------------------|-------------------------------------|-----------|--------------|--------|-------------|----------|---------|----------------|--------------|--------|----------|---------|------|------|------|--|
| | | | | DISH NUMBER | ml SAMPLE | DISH & SOLID | DISH | WEIGHT GAIN | TSS mg/l | ANALYST | FLASK NUMBER | FLASK & OIL | FLASK | mg/l OIL | ANALYST | | | | |
| 3/4/87 | SD-33 | | | 06-2 | 250 | 2415 | 2413 | 0.2 | 0.82 | 1 | HB | 3 | 0822 | 80 | 0696 | 21.0 | 12.6 | 13.6 | |
| | SD-35 | | | C-8 | 250 | 4212 | 4208 | 0.4 | 1.0 | 2 | | 4 | 8121 | 69 | 8129 | 0.2 | | 0.2 | |
| | SD-36 | | | 06-15 | 250 | 4934 | 4919 | 1.5 | | 6 | | 5 | 4318 | 68 | 4306 | 2.2 | | 2.2 | |
| | SD-40 | | | 06-20 | 250 | 0785 | 0784 | 0.1 | 0.4 | | | 6 | 4994 | 78 | 5002 | 0.2 | | 0.2 | |
| | SD-41 | | | 06-16 | 250 | 6829 | 6828 | 0.1 | 0.4 | | | 7 | 1370 | 79 | 1376 | 1.6 | | 1.6 | |
| | SD-42 | | | 06-9 | 250 | 9287 | 9285 | 0.2 | | 1 | | 8 | 8082 | 78 | 8054 | 3.8 | | 3.8 | |
| | SD-43 | | | C-4 | 250 | 3603 | 3602 | 0.1 | | 1 | | 9 | 4495 | 78 | 4484 | 1.1 | | 1.1 | |
| | SD-44 | | | 06-10 | 250 | 5929 | 5927 | 0.2 | | 1 | | 10 | 1000 | 78 | 1008 | 1.2 | | 1.2 | |
| | SD-51 | | | 06-17 | 250 | 2338 | 2334 | 0.4 | | 2 | | 3 | 800733 | 80 | 0699 | 3.4 | 2.0 | 1.4 | |
| | SD-52 | | | 06-12 | 250 | 2872 | 2844 | 2.8 | | 11 | | 4 | 698216 | 69 | 8137 | 7.9 | | 5.9 | |
| | SD-53 | | | 06-13 | 250 | 0114 | 0113 | 0.1 | | 1 | | 5 | 684315 | 68 | 4305 | 1.0 | | 0 | |
| | SD-54 | | | 27 | 250 | 1472 | 1450 | 2.2 | | 9 | | 6 | 785018 | 78 | 5004 | 1.4 | | 0 | |
| | SD-55 | | | 06-19 | 250 | 0758 | 0754 | 0.4 | | 2 | | 7 | 791485 | 79 | 1370 | 11.5 | | 9.5 | |
| | SD-57 | | | NH-2 | 250 | 1833 | 1832 | 0.1 | | 1 | | 8 | 788070 | 78 | 8056 | 2.6 | | 0.6 | |
| SD-72 | SD-89 | | | NH-1 | 250 | 9281 | 9277 | 0.4 | | 2 | | 9 | 784504 | 78 | 4480 | 2.4 | | 0.4 | |
| | SD-90 | | | 37 | 250 | 6284 | 6279 | 0.5 | | 2 | | 10 | 781053 | 78 | 7007 | 4.6 | | 2.6 | |
| | SD- | | | BLK 1 | | 804849 | 804829 | -2.0 | | | | BLANK ① | 784834 | 80 | 4844 | 7.18 | | | |
| | SD- | | | STD 2 | | 797465 | 797105 | 36.0 | | -2.0 | 94.2% | STD ② | 797459 | 79 | 7126 | 34.3 | | 95% | |
| | SD- | | | AIR IA BLANK | | 794044 | 794029 | | | | | AIR IA BLANK | 794016 | 79 | 4040 | | | | |

analyzed 3/8/87 C.S.

RUN 3-12-87 C.S.

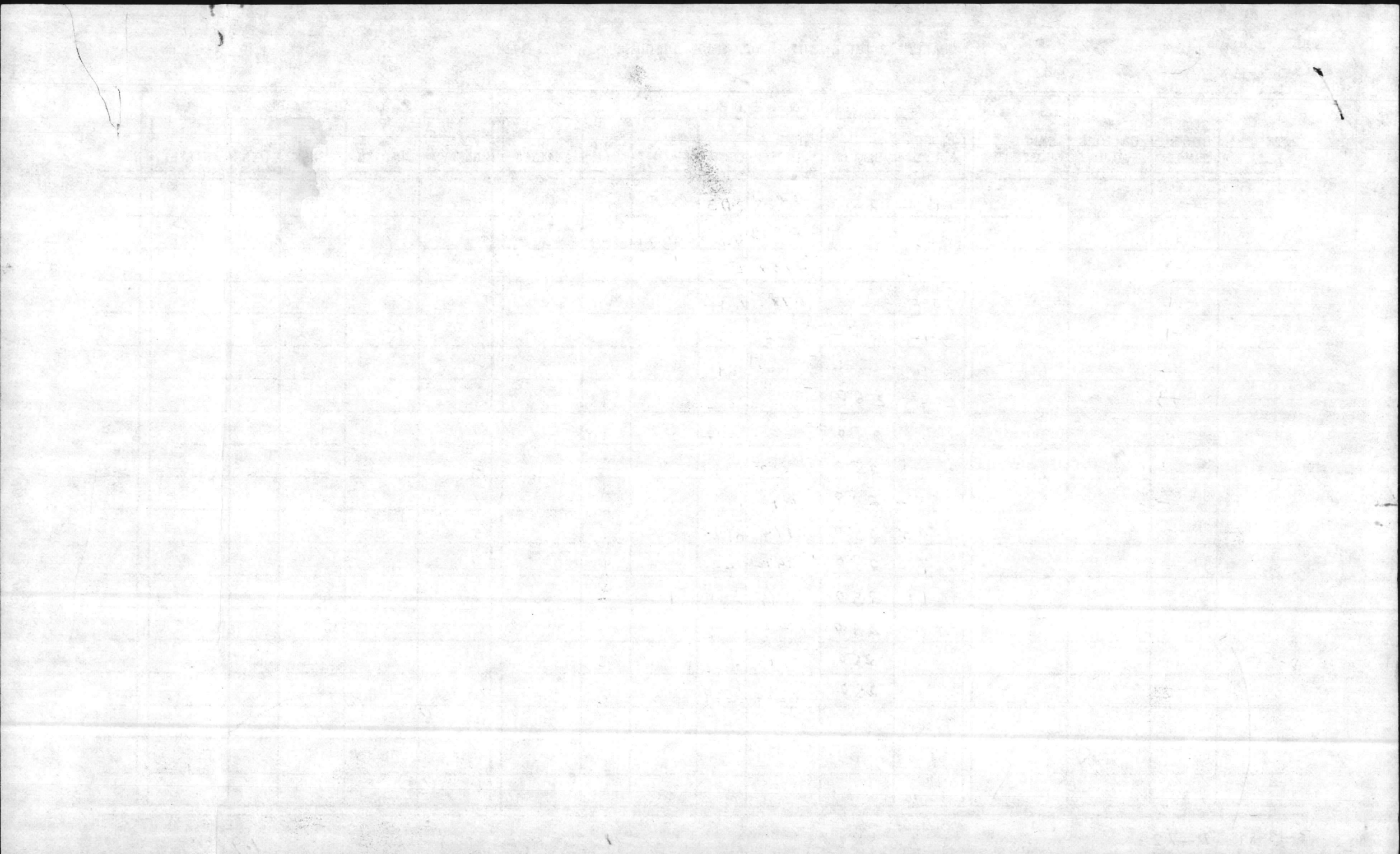
3-8-87

recovery

3-13-87 SD-72

OIL & GREASE

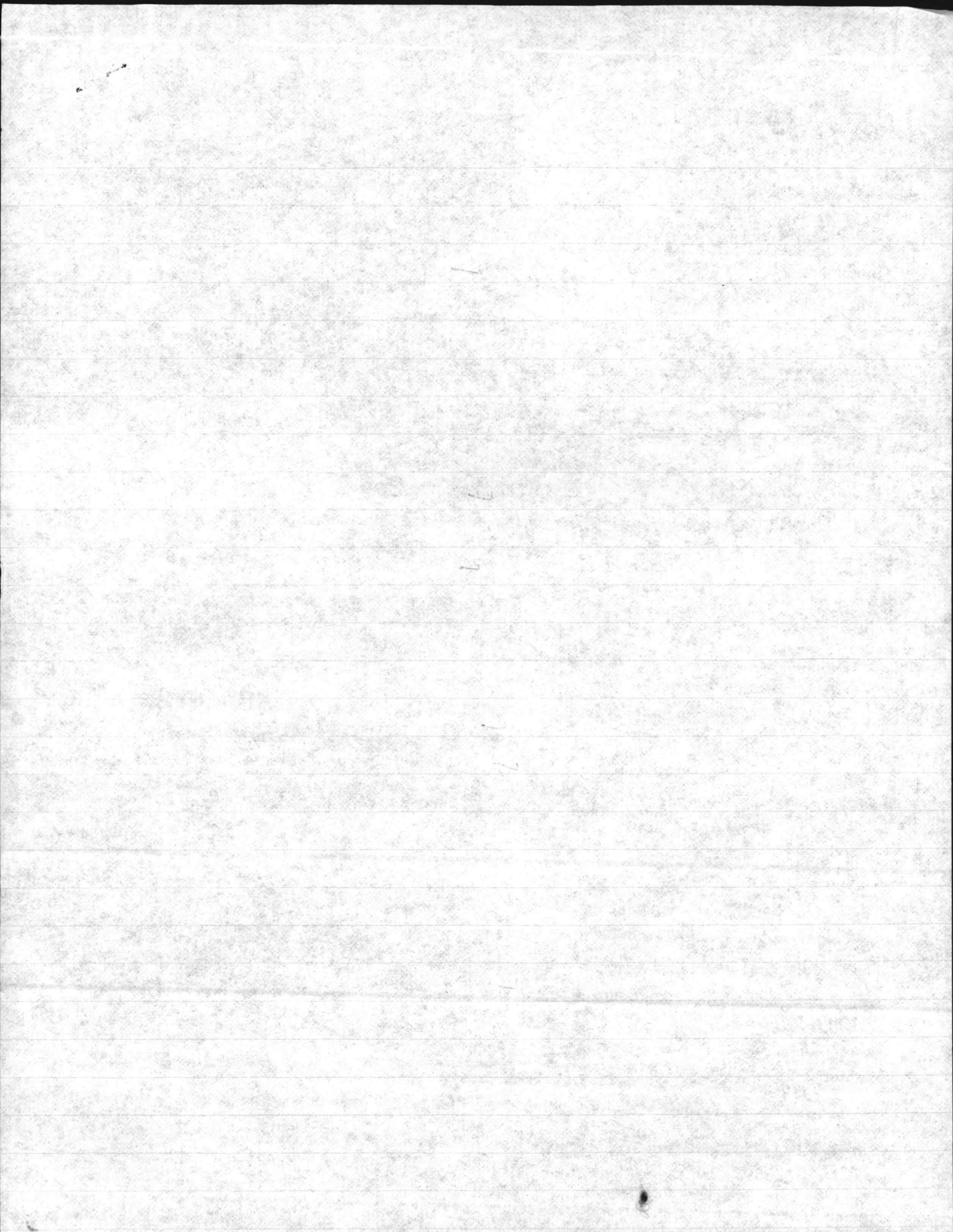
18.4 2ml oil = 34.8 / 2ml 1.9 6%



Collected 3-4-87

MARTIN

| S. D. | pH | AVE DEPTH
FT. | AVE. WIDTH
FT. | VELOCITY
F.P.S. | VOLUME
GAL/DAY |
|-------|-----|------------------|-------------------|--------------------|-------------------|
| 33 | 6.4 | 2 | 4 | 2 | 9,331,200 |
| 39 | - | NO FLOW | - | - | - |
| 40 | 7.3 | 1 | 3 | 2 | 3,499,200 |
| 41 | 7.2 | 1 | 3 | 1 | 1,749,600 |
| 42 | 7.0 | 2 | 5 | 2 | 11,664,000 |
| 43 | 7.1 | 2 | 4 | 2 | 9,331,200 |
| 44 | 7.2 | 2 | 4 | 2 | 9,331,200 |
| 37 | - | NO FLOW | - | - | - |
| 36 | 6.7 | 1.5 | 3 | 1 | 2,624,400 |
| 38 | - | DRY | - | - | - |
| 90 | 7.1 | 1 | 2.5 | 1 | 1,458,000 |
| 89 | 6.2 | 1 | 3 | 1 | 1,749,600 |
| 35 | 7.0 | .5 | 2 | 1 | 583,200 |
| 34 | - | NO FLOW | - | - | - |
| 50 | - | DRY | - | - | - |
| 51 | 6.6 | 2 | 4 | 2 | 9,331,200 |
| 52 | 6.9 | 2 | 3 | 1 | 3,499,200 |
| 53 | 7.0 | 1.5 | 3 | 2 | 5,248,000 |
| 54 | 7.0 | 2 | 4 | 2 | 9,331,200 |
| 55 | 7.1 | 1 | 3 | 1 | 1,749,600 |
| 56 | - | NO FLOW | - | - | - |
| 57 | 7.6 | 1.5 | 2.5 | 1 | 2,987,000 |
| 72 | 6.7 | .5 | 1 | 1 | 291,600 |



QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

MCBCL 11345/7

CORRECTED WEIGHT

| DATE COLLECTED | STORM SEWER NUMBER | FLOW RATE GALLONS PER DAY | SAMPLE COLLECTOR | TOTAL SUSPENDED SOLIDS (TSS) | | | | | | | OIL AND GREASE | | | | | pH |
|----------------|--------------------|---------------------------|------------------|------------------------------|-----------|--------------|------|-------------|----------|---------|----------------|-------------|-------|----------|---------|-----|
| | | | | DISH NUMBER | ml SAMPLE | DISH & SOLID | DISH | WEIGHT GAIN | TSS mg/l | ANALYST | FLASK NUMBER | FLASK & OIL | FLASK | mg/l OIL | ANALYST | |
| 1-15-87 | SD-20 | 4,665,600 | TMB | 0910 | 80 | 6034 | 5932 | 10.2 | 128 | C.S. | 3 | 0716 | 0711 | 0 | C.S. | 7.2 |
| | SD-26 | 29,160 | | 0911 | 900 | 2746 | 2738 | 0.8 | 1.0 | | 4 | 8130 | 8127 | 0 | | 7.4 |
| | SD-27 | 23,328 | | 0912 | 250 | 2847 | 2828 | 2.1 | 8 | | 5 | 4317 | 4298 | 0 | | 7.2 |
| | SD-28 | 87,480 | | 0915 | 750 | 4933 | 4904 | 2.9 | 4 | | 6 | 5005 | 4996 | 0 | | 8.2 |
| | SD-30 | 874,800 | | 0916 | 350 | 6838 | 6812 | 2.6 | 7 | | 7 | 1385 | 1373 | 0 | | 6.6 |
| | SD-31 | 145,800 | | 0917 | 550 | 2337 | 2321 | 1.6 | 1.0 | | 8 | 8071 | 8049 | 0.3 | | 7.1 |
| | SD-32 | 54,675,000 | | 0919 | 600 | 6758 | 6744 | 1.4 | 2 | | 9 | 4492 | 4483 | 0 | | 6.8 |
| | SD-67 | 583,200 | | 0920 | 175 | 0807 | 0785 | 2.2 | 13 | | 10 | 7050 | 1010 | 2.0 | | 7.3 |
| | SD-68 | 1,166,400 | | 097 | 250 | 9192 | 9172 | 2.0 | 8 | | 11 | 9655 | 9644 | 0 | | 7.3 |
| | SD-69 | 1,749,600 | | 0913 | 200 | 0137 | 0115 | 2.2 | 11 | | 3 | 0733 | 0713 | 0.7 | | 6.4 |
| | SD-81 | 3,499,200 | | 099 | 250 | 9287 | 9269 | 1.8 | 7 | | 4 | 8153 | 8137 | 0.3 | | 6.5 |
| | SD-82 | 6,998,400 | | C1 | 250 | 5310 | 5301 | 1.8 | 7 | | 5 | 4330 | 4311 | 0.6 | | 6.9 |
| | SD-83 | 583,200 | | C8 | 500 | 4220 | 4202 | 1.8 | 4 | | 6 | 5016 | 5003 | 0 | | 7.5 |
| | SD-84 | 291,600 | | NH3 | 600 | 2496 | 2459 | 3.7 | 6 | | 7 | 1384 | 1381 | 0 | | 7.5 |
| | SD-86 | TIDAL | | C4 | 250 | 3606 | 3594 | 1.2 | 5 | | 8 | 8080 | 8063 | 0.4 | | 7.1 |
| | SD-87 | 349,920 | | 27 | 500 | 1466 | 1448 | 1.8 | 4 | | 10 | 1207 | 1020 | 0 | | 7.1 |
| | SD- | | | | | | | | | | | | | | | |
| | BLANK | | | | | 8287 | 8282 | | - | | BLANK | 80 | 4840 | | | |
| | SD- | | | | | | | | | | | | | | | |

←
RUN
1-21-87

} RUN
1-22-87

