

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
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TREASURER

December 10 1999



Mr. Ben Stone
State of New Mexico
OIL CONSERVATION DIVISION
2040 S. Pacheco Street
Santa Fe, NM 87505-5472

Re: Champlin SWD #1
F-12-T8S-R31E
Chaves County, NM

Dear Mr. Stone,

Yates Petroleum Corporation respectfully requests approval to increase the maximum injection pressure on the Champlin SWD #1 from 1000 psig to 2000 psig. As demonstrated on the attached step rate test run on December 1, 1999, the proposed injection pressure limit and corresponding rate are under the maximum pressure and rate achieved on the step rate test. It should be noted that the parting pressure was never reached during the test due to equipment rate limitations and the high formation transmissibility.

Please call me at (505) 748-4182 if you have any questions.

Sincerely,

James W. Pringle
Engineer

JP/th

xc: Tim Gum

30-005-20878
ULF, Sec 12,
T8S, R31E
R-7130

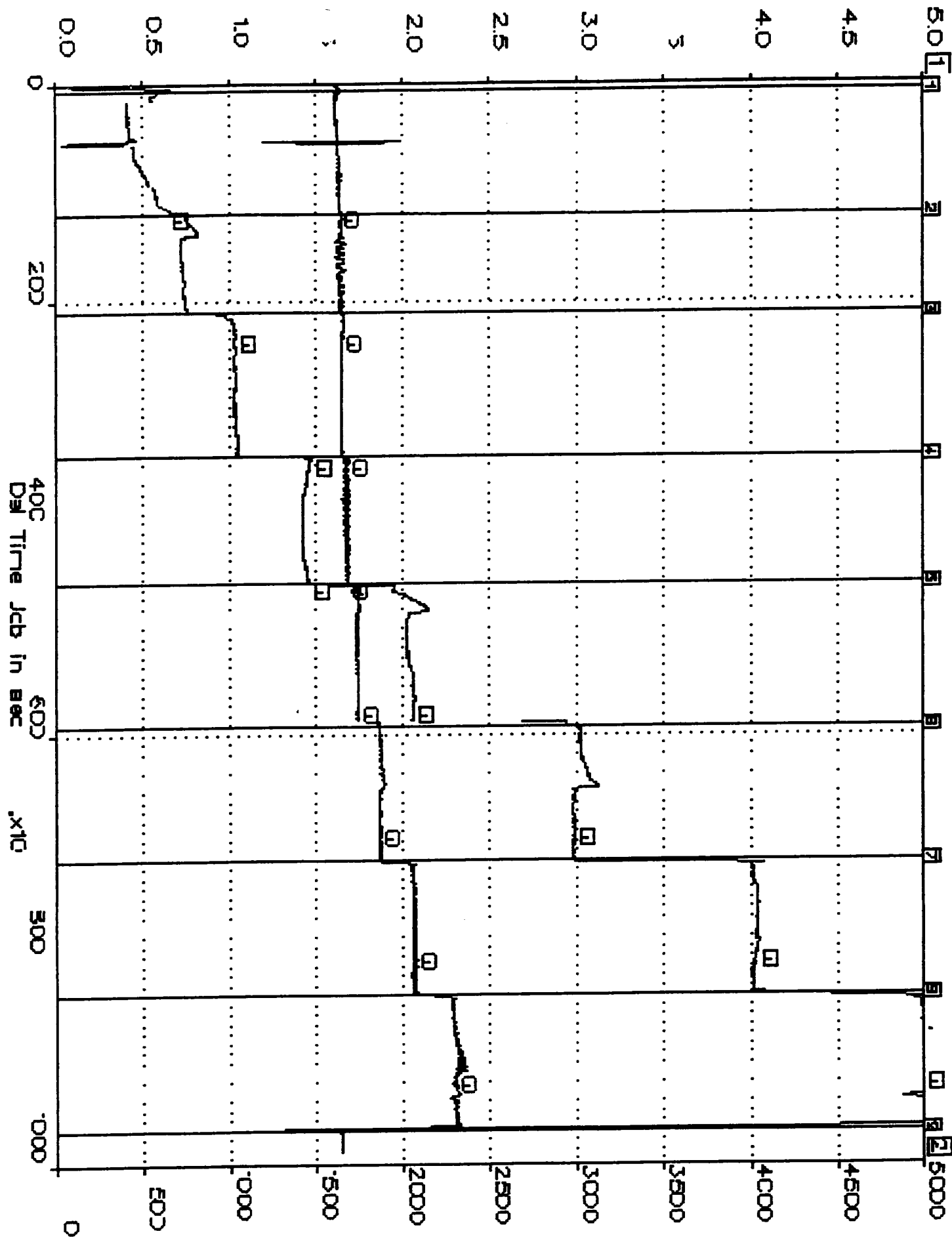
[illegible]

☐ Slurry Rate (bpm)

☐ 1

☐ Taping Press (psi)

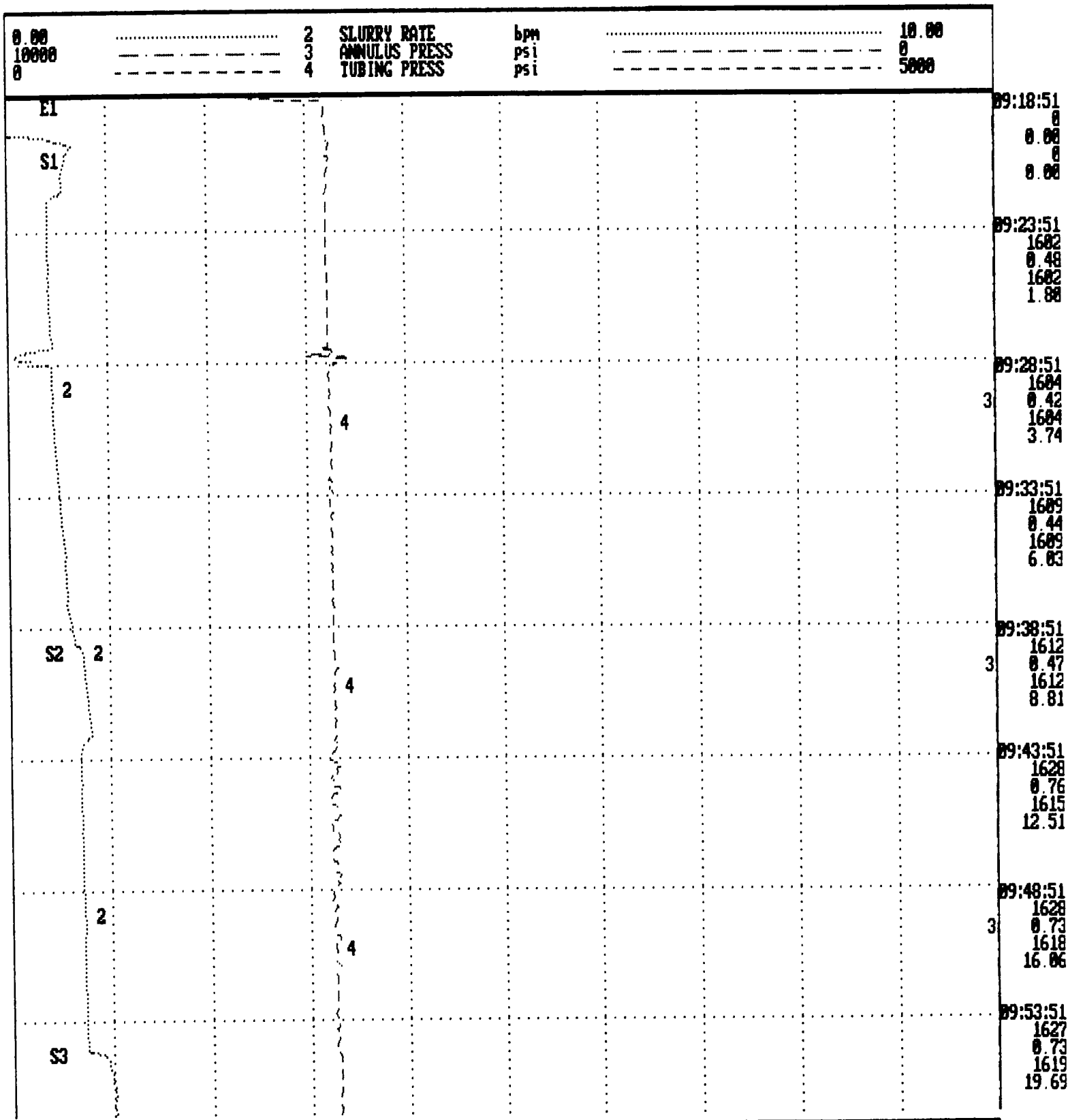
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Customer: YATES PETROLEUM CORP
Well Desc: CHAMPIN S. 1
Formation:

Date: 01-Dec-1999
Ticket: 313018
Job Type: 450 MISC. PUMPING

- | | | |
|-----------------|-------|-------------|
| 1. Tubing Press | (psi) | Avg for Stg |
| 2. Slurry Rate | (bpm) | Avg for Stg |
| 3. Tubing Press | (psi) | Avg for Job |
| 4. Job Volume | (bbl) | |



8.00
10000
0

2
3
4

SURFACE RATE
ANNULUS PRESS
TUBING PRESS

bpm
psi
psi

10.00
0
5000

S4

S5

09:58:51
1641
0.99
1621
24.38

10:03:51
1637
1.01
1623
29.46

10:08:51
1636
1.01
1624
34.55

10:13:51
1635
1.01
1625
39.66

10:18:51
1660
1.43
1627
45.68

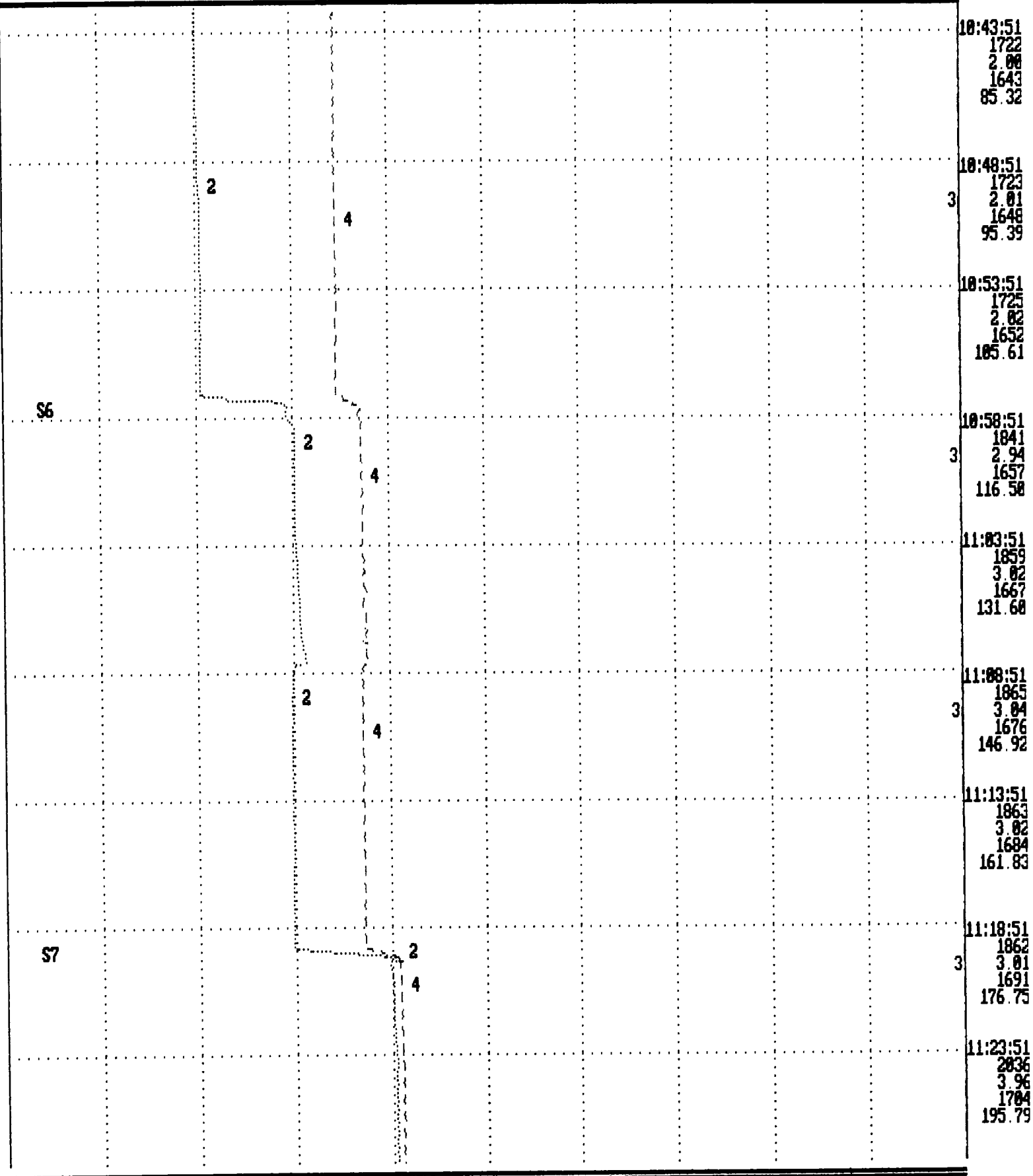
10:23:51
1661
1.43
1629
52.76

10:28:51
1662
1.42
1632
59.83

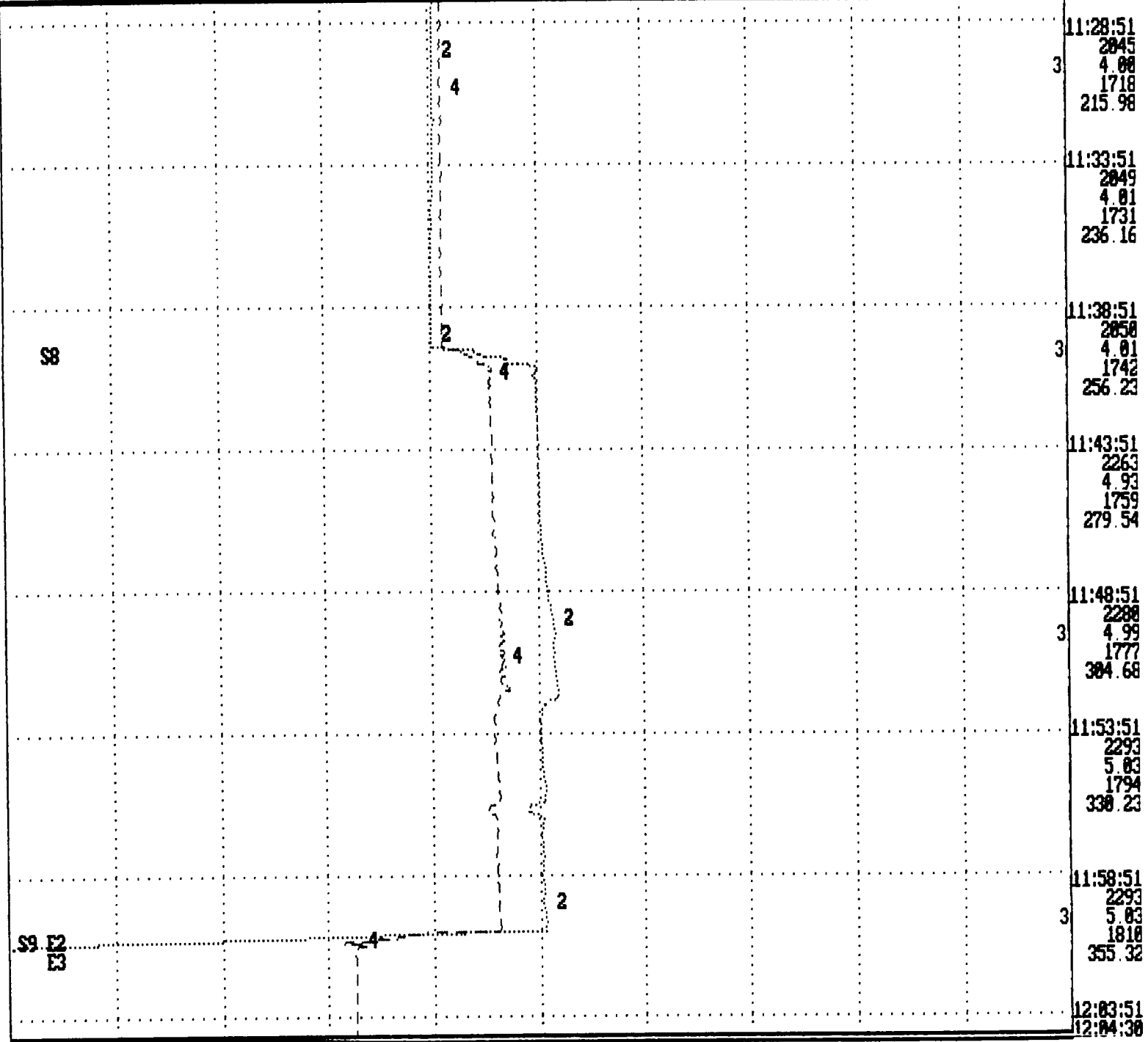
10:33:51
1663
1.42
1634
66.91

10:38:51
1700
1.89
1638
75.08

0.00		2	DRY RATE	bpm		10.00
10000	-----	3	ANNULUS PRESS	psi	-----	0
0	-----	4	TUBING PRESS	psi	-----	5000



0.00		2	DRY RATE	bpm		10.00
10000	-----	3	ANNULUS PRESS	psi	-----	0
0	-----	4	TUBING PRESS	psi	-----	5000



Customer: YATES PETROLEUM CORP
Well Desc: CHAMPIN S...J 1
Formation:

Date: 01-Dec-1999
Ticket #: 313018
Job Type: 450 MISC. PUMPING

JOB SUMMARY

JOB START TIME: 09:18:51
JOB END TIME: 12:04:30
JOB DURATION: 02:45:39

STAGES AND EVENTS:

Chart	Time	Slurry Rate (bpm)	Slurry Stage Volume (bbl)	Tubing Press. (psi)	Remark
Event #1	09:18:51	0.00	0.00	0	Start Job
Stage #1	09:20:54	0.58	8.92	1599	1/2 bpm
Stage #2	09:39:36	0.71	11.20	1618	INCREASE RATE
Stage #3	09:54:57	0.75	22.33	1634	INCREASE RATE
Stage #4	10:16:55	1.10	28.19	1649	INCREASE RATE
Stage #5	10:36:42	1.48	45.19	1666	INCREASE RATE
Stage #6	10:58:45	2.93	62.83	1842	INCREASE RATE
Stage #7	11:19:38	2.98	83.02	1863	INCREASE RATE
Stage #8	11:40:18	4.08	104.44	2079	INCREASE RATE
Event #2	12:00:59	3.50	0.00	1860	Stop Pumping
Stage #9	12:01:19	0.00	0.00	1632	ISIP Tubing Press 1632 (psi)
Event #3	12:01:32	0.00	0.00	1633	ISIP 1650 PS1
Event #4	12:04:30	0.00	0.00	1632	End Job

Customer: YATES PETROLEUM CORP
 Well Desc: CHAMPIN LWD 1
 Formation:

Date: 01-Dec-1999
 Ticket #: 313018
 Job Type: 450 MISC. PUMPING

STAGE SUMMARY

Stage Times

Stage	Start Time	End Time	Elapsed Time
1	09:20:54	09:39:36	00:18:42
2	09:39:36	09:54:57	00:15:21
3	09:54:57	10:16:55	00:21:58
4	10:16:55	10:36:42	00:19:47
5	10:36:42	10:58:45	00:22:03
6	10:58:45	11:19:38	00:20:53
7	11:19:38	11:40:18	00:20:40
8	11:40:18	12:01:19	00:21:01
9	12:01:19	12:04:30	00:03:11
Total	09:20:54	12:04:30	02:43:36

AVERAGES OR VOLUMES PER STAGE -- Planned Volume vs. Actual Volume

Stage	Planned Sl Volume (bbl)	Slurry Volume (bbl)
1	10.00	8.92
2	10.00	11.20
3	15.00	22.33
4	20.00	28.19
5	0.00	45.19
6	0.00	62.83
7	0.00	83.02
8	0.00	104.44
9	0.00	366.49
Tot/Avg	55.00	732.60

AVERAGES OR VOLUMES PER STAGE -- Strip Chart Variables

Stage	Slurry Rate (bpm)	Annulus Pressure (psi)	Tubing Pressure (psi)
1	0.48	0	1612
2	0.73	0	1627
3	1.02	1	1636
4	1.42	1	1664
5	2.05	1	1729
6	3.01	1	1862
7	4.01	1	2051
8	5.02	1	2291
9	0.00	0	0
Tot/Avg	2.28	1	1816

Customer: YATES PETROLEUM CORP
Well Desc: CHAMPIN L 1
Formation:

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Ticket #: 313018
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STAGE SUMMARY

MAXIMUM VALUE PER STAGE -- Strip Chart Variables

Stage	Slurry Rate (bpm)	Annulus Pressure (psi)	Tubing Pressure (psi)
1	0.71	0	1972
2	0.81	1	1657
3	1.10	1	1650
4	1.48	1	1687
5	2.95	1	1859
6	3.13	1	1888
7	4.09	1	2079
8	5.18	1	2362
9	0.00	0	0
Max Job	5.18	1	2362