

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



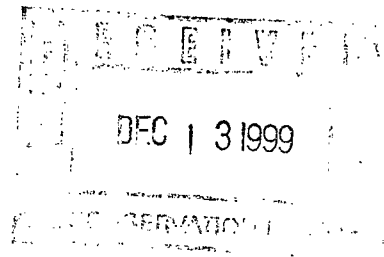
105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

1P1 N/R

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

December 10 1999



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

case 7707
R-7130
11-8-82

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

~1983

Row - NM 53889

30-005-20878

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,

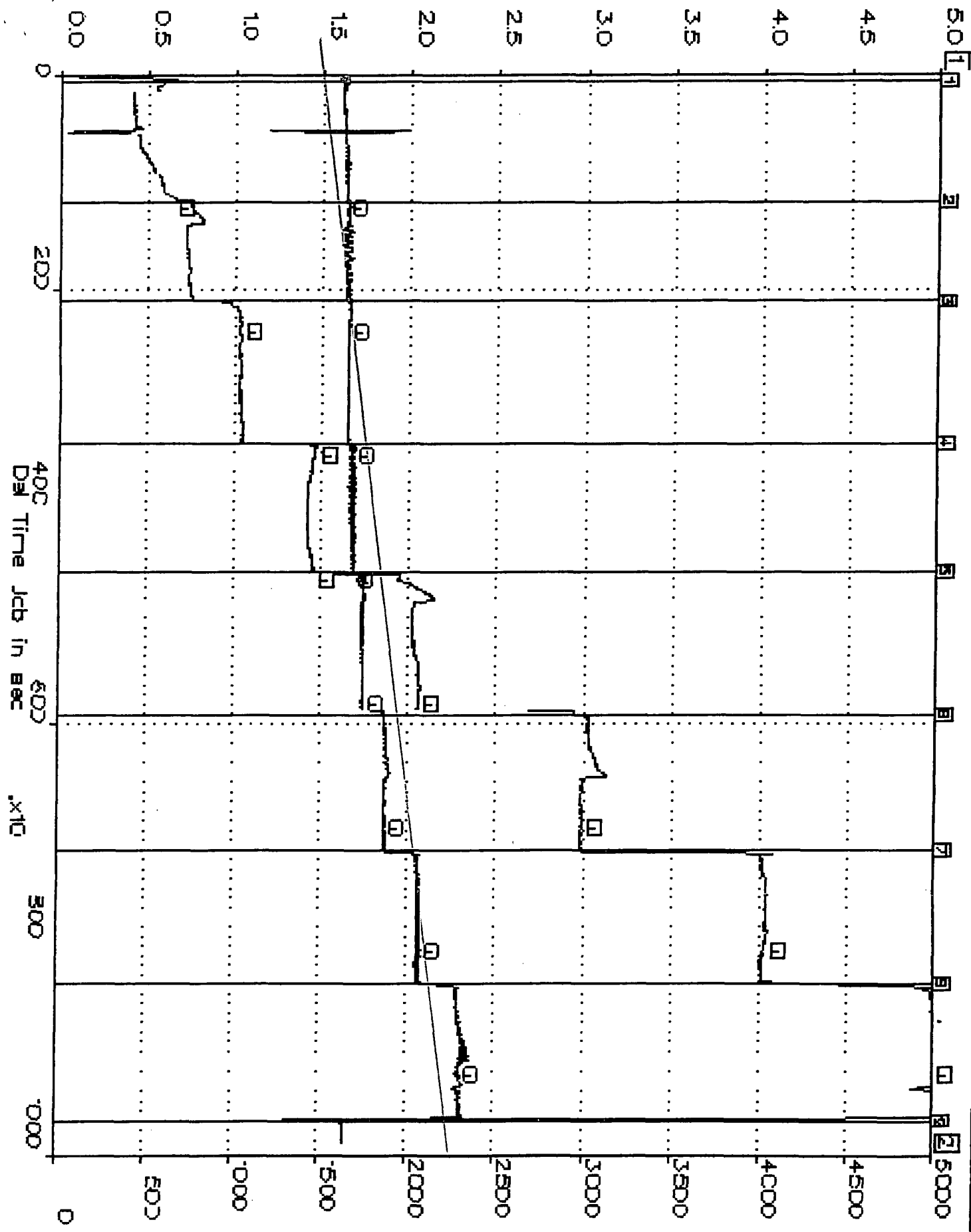
James W. Pringle
Engineer

JP/th

xc: Tim Gum

[illegible]

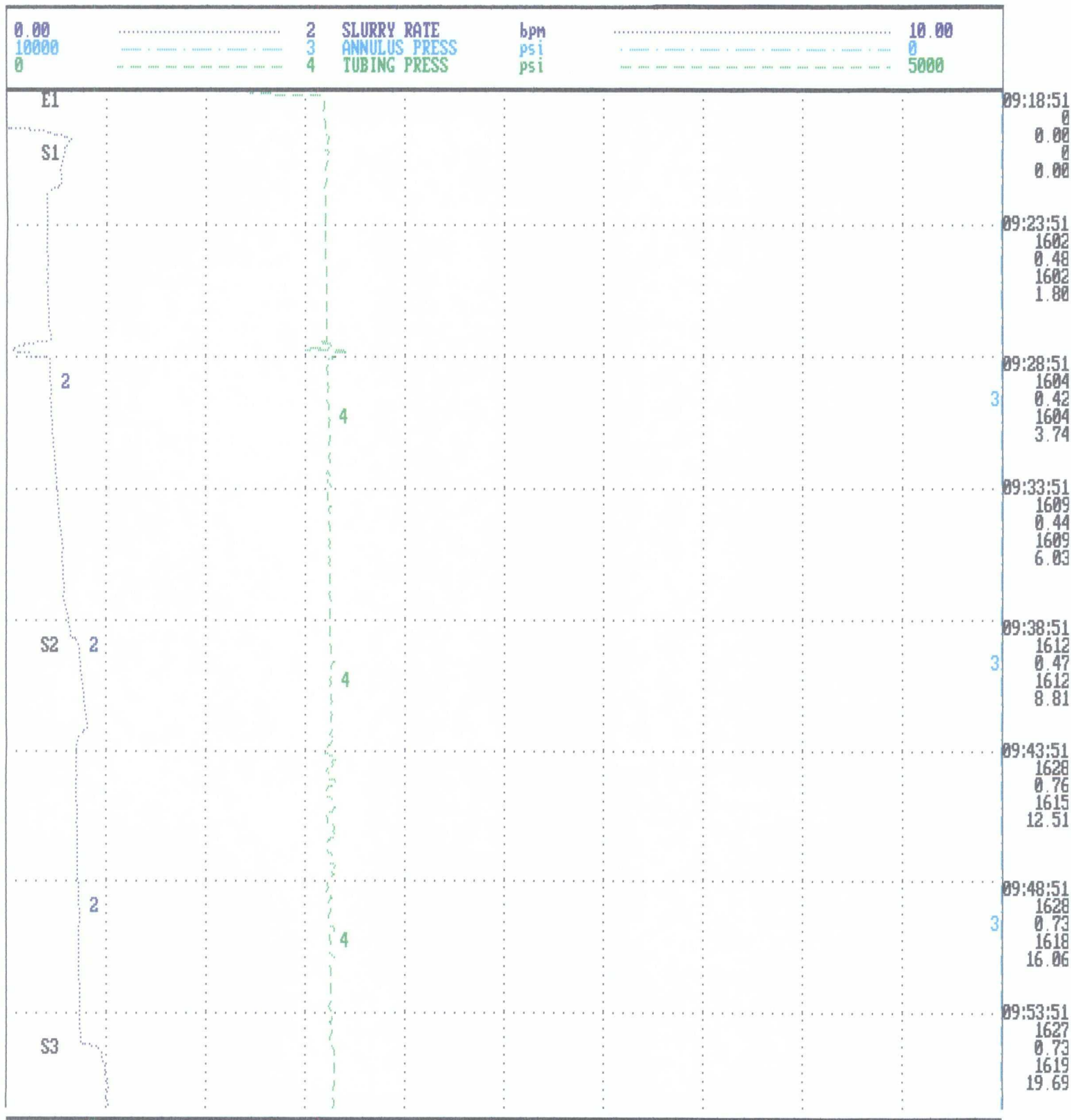
☐ Slurry Rate (bpm) ☐ Taring Press (psi)



Customer: YATES PETROLEUM CORP
Well Desc: CHAMPIN SWD 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) | |

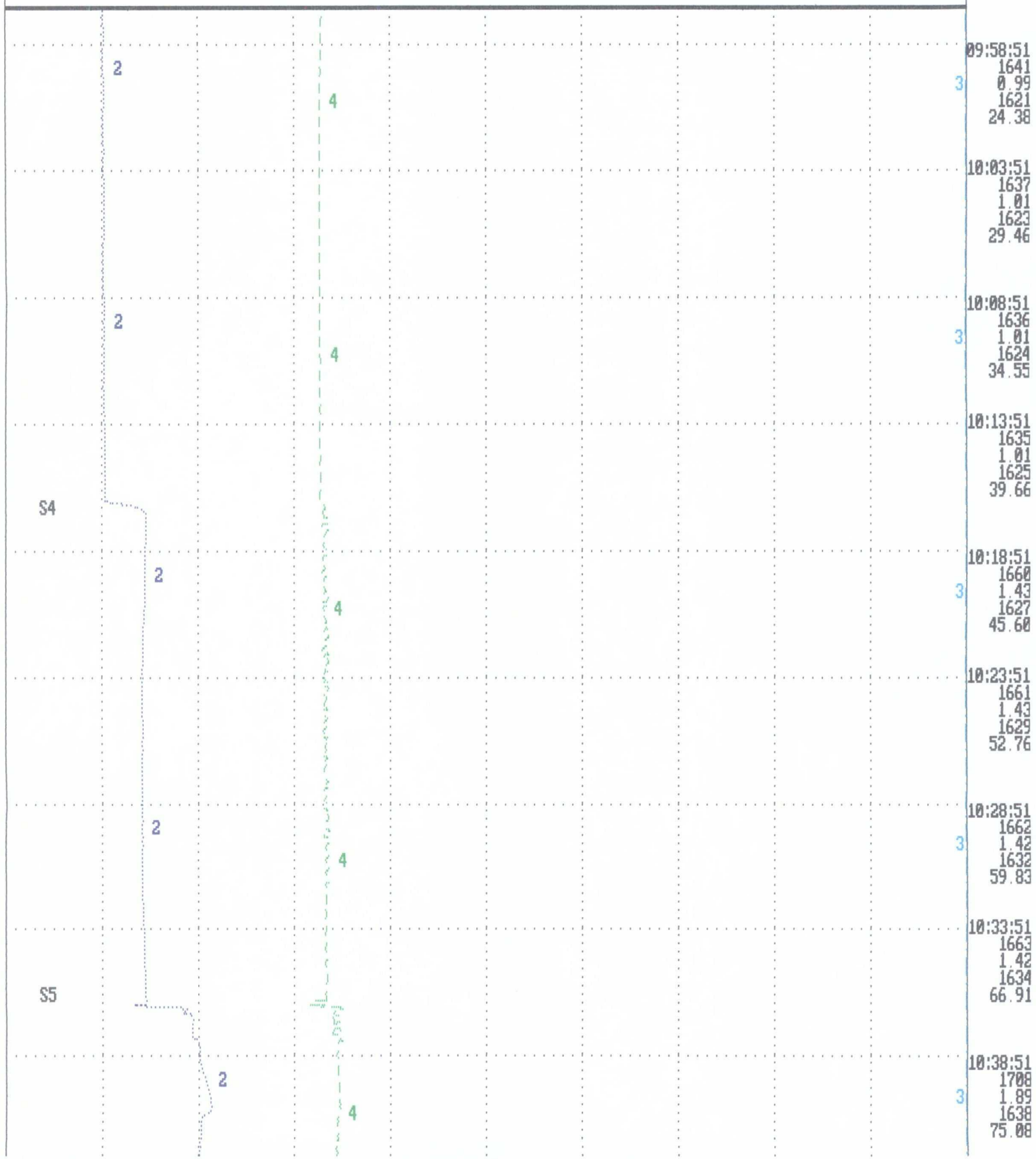


0.00
10000
0

2 SLURRY RATE
3 ANNULUS PRESS
4 TUBING PRESS

bpm
psi
psi

10.00
0
5000



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
45.60

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
1708
1.89
1638
75.08

0.00
10000
0

2
3
4

SLURRY RATE
ANNULUS PRESS
TUBING PRESS

bpm
psi
psi

10.00
0
5000

S6

S7

10:43:51
1722
2.00
1643
85.32

10:48:51
1723
2.01
1648
95.39

10:53:51
1725
2.02
1652
105.61

10:58:51
1841
2.94
1657
116.50

11:03:51
1859
3.02
1667
131.60

11:08:51
1865
3.04
1676
146.92

11:13:51
1863
3.02
1684
161.83

11:18:51
1862
3.01
1691
176.75

11:23:51
2036
3.96
1704
195.79

0.00
10000
0

2
3
4

SLURRY RATE
ANNULUS PRESS
TUBING PRESS

bpm
psi
psi

10.00
0
5000

S8

S9 E2
E3

4

2

4

2

4

2

4

2

11:28:51
2045
4.00
1718
215.98

11:33:51
2049
4.01
1731
236.16

11:38:51
2050
4.01
1742
256.23

11:43:51
2263
4.93
1759
279.54

11:48:51
2280
4.99
1777
304.68

11:53:51
2293
5.03
1794
330.23

11:58:51
2293
5.03
1810
355.32

12:03:51
12:04:30

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

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

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