17-30s-39w

ORIGINAL

COPY

AMOCO PRODUCTION COMPANY

LEASE : ELLIOT SPENCER

WELL NO.: 1-17

TEST NO.: 1

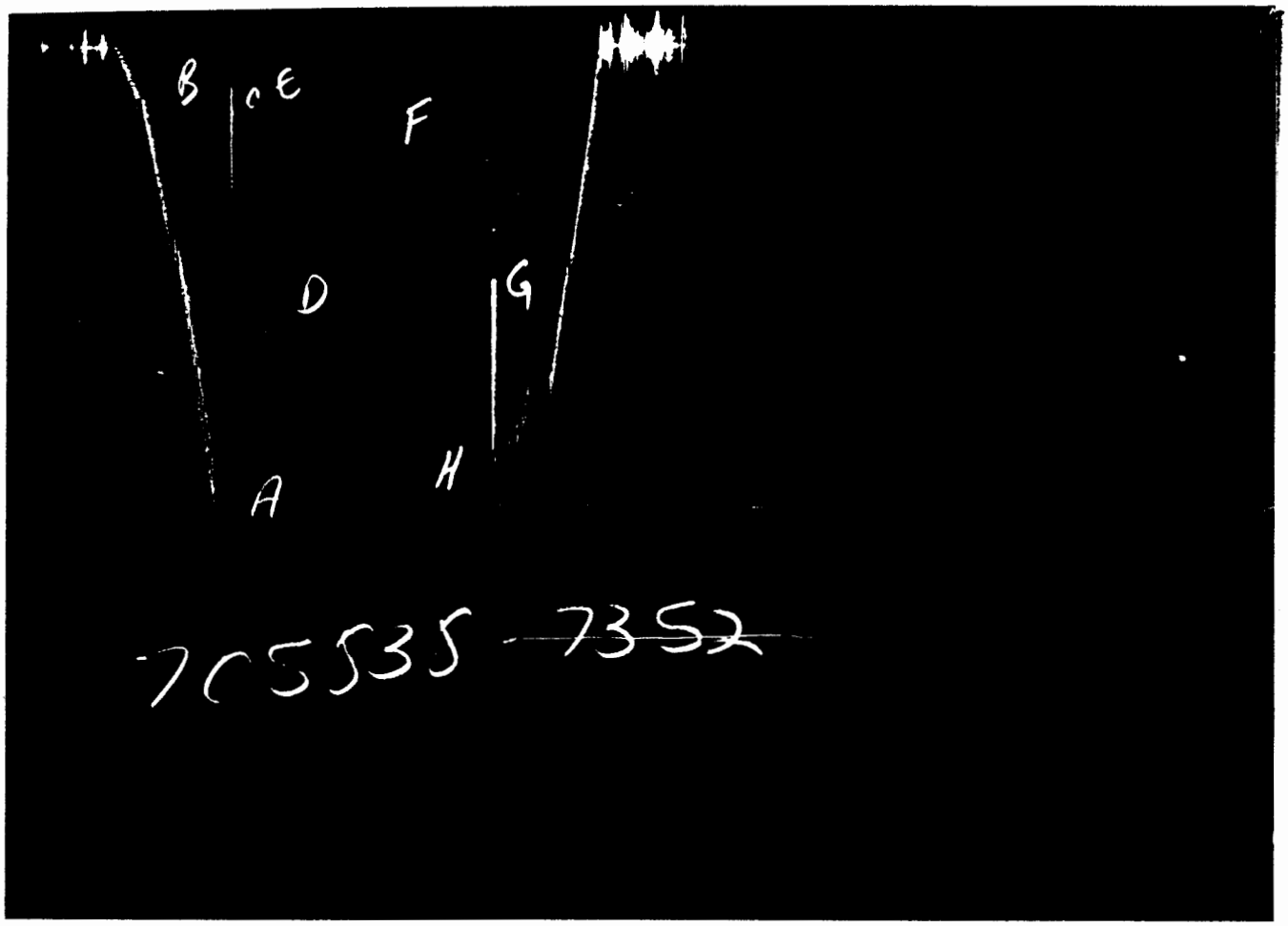
API #15-187-20762

TICKET NO. 70583800
01-FEB-95
LIBERAL

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 16 1995

DST REPORT PRODUCED BY HRS
A DIVISION OF HALLIBURTON COMPANY

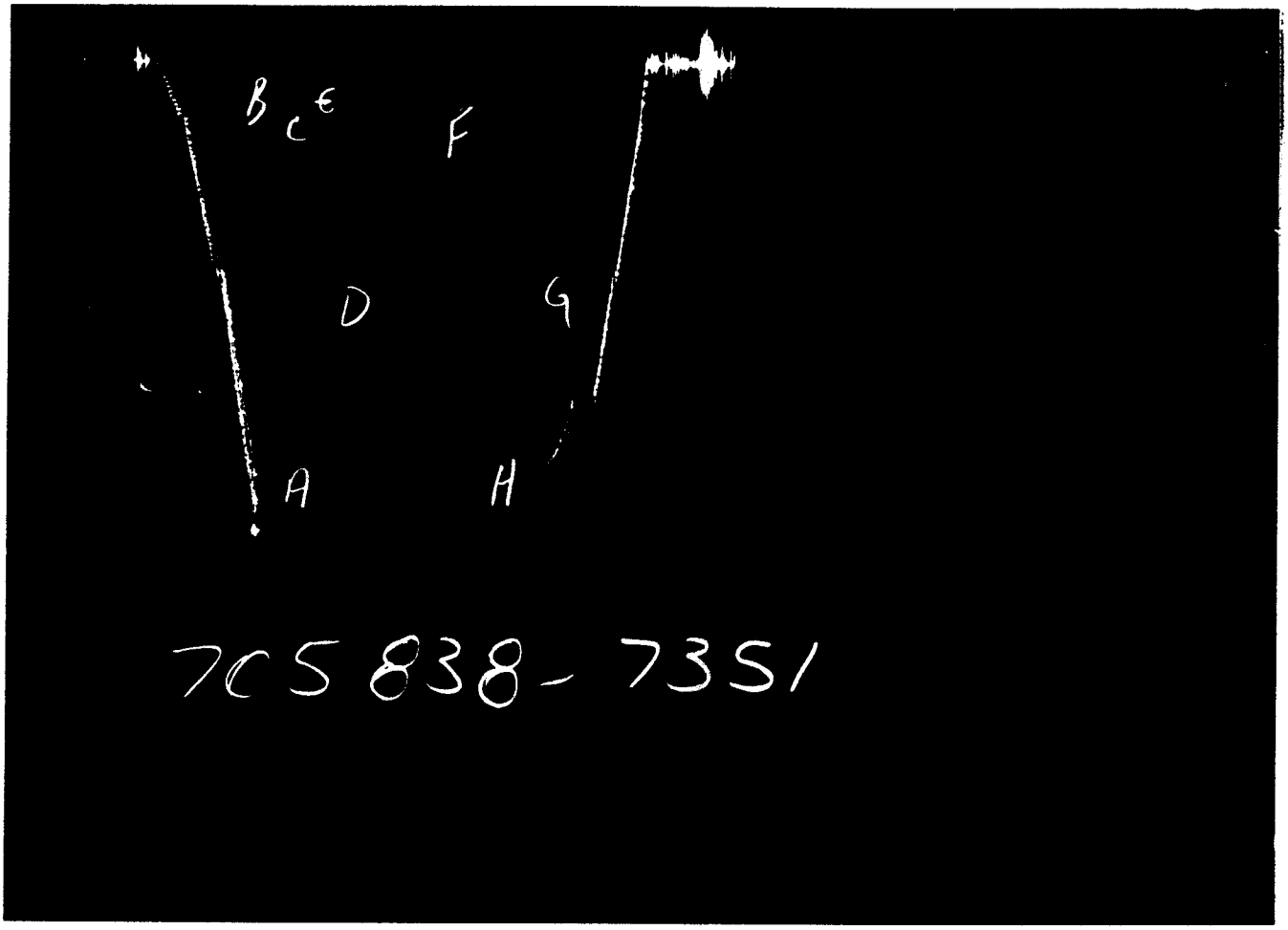
ELLIOT SPENCER	1-17	1	5605.2 - 5628.0	AMOCO PRODUCTION COMPANY	
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE		
17 - 30 - 39	NICHOLAS	STANTON	KANSAS		



GAUGE NO: 7352 DEPTH: 5584.6 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2500	2609.7			
B	INITIAL FIRST FLOW	311	246.7	10.0	10.3	F
C	FINAL FIRST FLOW	360	373.0			
C	INITIAL FIRST CLOSED-IN	360	373.0	60.0	59.9	C
D	FINAL FIRST CLOSED-IN	1463	1475.8			
E	INITIAL SECOND FLOW	311	326.1	120.0	119.4	F
F	FINAL SECOND FLOW	513	500.8			
F	INITIAL SECOND CLOSED-IN	513	500.8	120.0	120.4	C
G	FINAL SECOND CLOSED-IN	1441	1452.5			
H	FINAL HYDROSTATIC	2500	2589.4			

COPY



GAUGE NO: 7351 DEPTH: 5625.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2492	2637.6			
B	INITIAL FIRST FLOW	310	328.0	10.0	10.3	F
C	FINAL FIRST FLOW	441	453.7			
C	INITIAL FIRST CLOSED-IN	441	453.7	60.0	59.9	C
D	FINAL FIRST CLOSED-IN	1489	1488.6			
E	INITIAL SECOND FLOW	358	361.5	120.0	119.4	F
F	FINAL SECOND FLOW	527	519.7			
F	INITIAL SECOND CLOSED-IN	527	519.7	120.0	120.4	C
G	FINAL SECOND CLOSED-IN	1451	1462.1			
H	FINAL HYDROSTATIC	2492	2603.9			

ORIGINAL

EQUIPMENT & HOLE DATA

FORMATION TESTED: BASALL MORROW
NET PAY (ft): 18.0
GROSS TESTED FOOTAGE: 22.8 PACKER TO T.D.
ALL DEPTHS MEASURED FROM: K.B.
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 3208.0
TOTAL DEPTH (ft): 5628.0
PACKER DEPTH(S) (ft): 5599, 5605
FINAL SURFACE CHOKE (in): 0.62500
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.00
MUD VISCOSITY (sec): 57
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 127 @ 5623.0 ft

TICKET NUMBER: 70583800

DATE: 01-25-95 TEST NO: 1

TYPE DST: OPEN HOLE

FIELD CAMP: LIBERAL

TESTER: RICHARD TAYLOR
JEFF CLARK

WITNESS: SAM CARMACK

DRILLING CONTRACTOR: CHEYENNE DRILLING

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY			CHLORIDES
PIT	0.970	@ 52	°F	2988 ppm
		@	°F	ppm
		@	°F	ppm
		@	°F	ppm
		@	°F	ppm
		@	°F	ppm

SAMPLER DATA

Psig AT SURFACE: 525.0
cu.ft. OF GAS: 3.140
cc OF OIL:
cc OF WATER:
cc OF MUD:
TOTAL LIQUID cc:

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 65.3 @ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

30 FT. OF 65.3 API GRAVITY CONDENSATE
5600 FT. OF FAS

MEASURED FROM TESTER VALVE

REMARKS:

COPY

TYPE & SIZE MEASURING DEVICE: 6" POSITIVE CHOKE NIPPLE					TICKET NO: 70583800
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
01-25-95					
0100					CALLED OUT
0400					ON LOCATION
0421					STARTED CLOCK #13833
0423					STARTED CLOCK #17532
0505					PICKED UP TOOLS
0545					STARTED IN THE HOLE WITH TOOLS
0800					SET WEIGHT ON TOOLS
0801	B.H.				HYDROSPRING OPENED
0802	B.H.				BLOW TO BOTTOM OF BUCKET IN 30 SECS.
0803	B.H.				CLOSED VALVE AND CHANGED GAUGE
0804	B.H.	80			OPENED VALVE TO HOSE
0805	.625	100			OPENED FLOW LINE VALVE
0806	.625	116	1308		GAS TO SURFACE; FLOWED TO PIT
0808	.625	137	1518		
0809	.625	142	1568		
0810	.625	147	1618		
0811	.625	153	1678		CLOSED TOOL
0911	.625	20	349		OPENED TOOL WITH INSTANT BLOW
0912	.625	55	699		FLOWED TO PIT; FLARED FLOW LINE
0915	.625	135	1498		
0920	.625	190	2047		
0930	.625	230	2446		
0935	.625	240	2546		
0950	.625	242	2566		
0955	.625	248	2626		
0957	.625	250	2646		
1000	.625	252	2666		TOOK GAS SAMPLE
1005	.625	254	2686		
1015	.625	256	2706		
1030	.625	260	2746		
1045	.625	260	2746		
1100	.625	262	2766		
1110	.625	265	2796		
1111	.625	265	2796		CLOSED TOOL
1311					OPENED BYPASS
1314					UNSEATED PACKERS; PULLED OUT OF

TYPE & SIZE MEASURING DEVICE: 6" POSITIVE CHOKE NIPPLE | TICKET NO: 70583800

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
					HOLE
1650					OUT OF HOLE WITH PIPE AND COLLARS
1700					LAID DOWN TOOLS
1715					READ CHARTS
1730					LOADED OUT TOOLS; JOB COMPLETED

COPY

TICKET NO: 70583800
CLOCK NO: 17532 HOUR: 24

GAUGE NO: 7352
DEPTH: 5584.6

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	246.7			
	2	2.0	302.1	55.5		
	3	4.0	324.6	22.5		
	4	6.0	342.9	18.3		
	5	8.0	357.0	14.1		
C	6	10.3	373.0	16.0		
			FIRST CLOSED-IN			
C	1	0.0	373.0			
	2	1.0	1430.3	1057.4	0.9	1.051
	3	2.0	1447.5	1074.6	1.7	0.792
	4	3.0	1454.5	1081.6	2.3	0.648
	5	4.0	1457.5	1084.5	2.9	0.556
	6	5.0	1460.2	1087.2	3.3	0.488
	7	6.0	1461.7	1088.8	3.8	0.435
	8	7.0	1463.3	1090.3	4.1	0.394
	9	8.0	1464.7	1091.7	4.5	0.359
	10	9.0	1465.5	1092.5	4.8	0.331
	11	10.0	1466.9	1093.9	5.1	0.307
	12	12.0	1467.8	1094.9	5.5	0.268
	13	14.0	1468.8	1095.8	5.9	0.239
	14	16.0	1470.0	1097.0	6.3	0.216
	15	18.0	1470.8	1097.8	6.5	0.196
	16	20.0	1471.6	1098.6	6.8	0.180
	17	22.0	1471.7	1098.8	7.0	0.166
	18	24.0	1472.0	1099.1	7.2	0.155
	19	26.0	1472.5	1099.5	7.4	0.145
	20	28.0	1473.0	1100.0	7.5	0.136
	21	30.0	1473.3	1100.3	7.7	0.128
	22	35.0	1473.6	1100.6	7.9	0.112
	23	40.0	1474.7	1101.7	8.2	0.099
	24	45.0	1474.8	1101.9	8.4	0.089
	25	50.0	1475.5	1102.5	8.5	0.081
	26	55.0	1475.6	1102.7	8.7	0.074
D	27	59.9	1475.8	1102.8	8.8	0.069
			SECOND FLOW			
E	1	0.0	326.1			
	2	5.0	367.4	41.2		
	3	10.0	411.4	44.0		
	4	15.0	433.0	21.6		
	5	20.0	445.1	12.1		
	6	25.0	452.5	7.4		
	7	30.0	458.1	5.6		
	8	35.0	462.8	4.7		
	9	40.0	466.3	3.6		
	10	45.0	469.7	3.4		
	11	50.0	472.8	3.1		

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			SECOND FLOW - CONTINUED			
	12	55.0	475.9	3.1		
	13	60.0	478.3	2.3		
	14	65.0	481.2	2.9		
	15	70.0	484.3	3.1		
	16	75.0	486.0	1.7		
	17	80.0	488.2	2.2		
	18	85.0	489.4	1.2		
	19	90.0	491.3	1.9		
	20	95.0	493.0	1.7		
	21	100.0	494.6	1.6		
	22	105.0	496.1	1.6		
	23	110.0	498.1	2.0		
	24	115.0	499.5	1.4		
F	25	119.4	500.8	1.2		
			SECOND CLOSED-IN			
F	1	0.0	500.8			
	2	1.0	1348.2	847.4	1.0	2.132
	3	2.0	1367.2	866.5	2.0	1.815
	4	3.0	1376.4	875.7	2.9	1.644
	5	4.0	1383.3	882.5	3.9	1.527
	6	5.0	1389.1	888.3	4.8	1.428
	7	6.0	1393.0	892.2	5.8	1.351
	8	7.0	1396.6	895.8	6.6	1.292
	9	8.0	1399.9	899.1	7.5	1.237
	10	9.0	1402.5	901.8	8.4	1.189
	11	10.0	1405.0	904.3	9.2	1.147
	12	12.0	1409.6	908.8	11.0	1.072
	13	14.0	1413.3	912.5	12.6	1.011
	14	16.0	1416.9	916.1	14.2	0.960
	15	18.0	1419.4	918.6	15.8	0.915
	16	20.0	1421.7	921.0	17.3	0.875
	17	22.0	1423.1	922.4	18.8	0.838
	18	24.0	1424.9	924.1	20.2	0.807
	19	26.0	1426.9	926.1	21.7	0.777
	20	28.0	1427.8	927.1	23.0	0.751
	21	30.0	1429.5	928.8	24.3	0.726
	22	35.0	1432.4	931.6	27.6	0.672
	23	40.0	1435.0	934.2	30.6	0.627
	24	45.0	1436.9	936.1	33.4	0.589
	25	50.0	1438.8	938.0	36.1	0.556
	26	55.0	1440.3	939.6	38.6	0.526
	27	60.0	1441.4	940.6	41.0	0.500
	28	70.0	1443.9	943.1	45.5	0.455
	29	80.0	1445.9	945.2	49.5	0.418
	30	90.0	1448.1	947.4	53.1	0.387
	31	100.0	1449.9	949.1	56.4	0.361
	32	110.0	1451.4	950.6	59.5	0.338
G	33	120.4	1452.5	951.7	62.4	0.317

REMARKS:

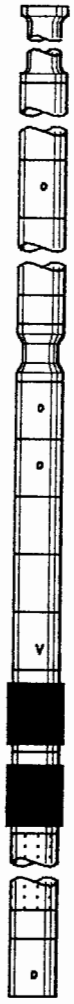
TICKET NO: 70583800	GAUGE NO: 7351
CLOCK NO: 13833 HOUR: 24	DEPTH: 5625.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	328.0			
	2	2.0	364.4	36.4		
	3	4.0	405.3	40.9		
	4	6.0	424.6	19.3		
	5	8.0	438.9	14.3		
C	6	10.3	453.7	14.8		
			FIRST CLOSED-IN			
C	1	0.0	453.7			
	2	1.0	1442.7	989.0	0.9	1.049
	3	2.0	1461.8	1008.1	1.7	0.786
	4	3.0	1468.2	1014.5	2.4	0.640
	5	4.0	1471.1	1017.4	2.9	0.555
	6	5.0	1473.5	1019.8	3.4	0.486
	7	6.0	1475.3	1021.5	3.8	0.433
	8	7.0	1476.6	1022.8	4.2	0.393
	9	8.0	1477.5	1023.8	4.5	0.359
	10	9.0	1479.0	1025.2	4.8	0.331
	11	10.0	1479.8	1026.0	5.1	0.307
	12	12.0	1481.2	1027.5	5.5	0.268
	13	14.0	1482.2	1028.4	5.9	0.239
	14	16.0	1483.5	1029.7	6.3	0.215
	15	18.0	1483.8	1030.0	6.5	0.196
	16	20.0	1484.6	1030.8	6.8	0.180
	17	22.0	1484.8	1031.0	7.0	0.166
	18	24.0	1485.2	1031.5	7.2	0.155
	19	26.0	1485.6	1031.8	7.4	0.145
	20	28.0	1486.2	1032.5	7.5	0.136
	21	30.0	1486.4	1032.6	7.6	0.128
	22	35.0	1487.0	1033.3	7.9	0.112
	23	40.0	1487.3	1033.6	8.2	0.099
	24	45.0	1487.6	1033.9	8.4	0.089
	25	50.0	1488.0	1034.2	8.5	0.081
	26	55.0	1488.4	1034.7	8.7	0.074
D	27	59.9	1488.6	1034.9	8.8	0.069
			SECOND FLOW			
E	1	0.0	361.5			
	2	5.0	393.2	31.7		
	3	10.0	436.3	43.2		
	4	15.0	455.9	19.6		
	5	20.0	466.8	10.8		
	6	25.0	473.0	6.2		
	7	30.0	478.4	5.4		
	8	35.0	482.4	4.0		
	9	40.0	485.9	3.5		
	10	45.0	489.5	3.7		
	11	50.0	492.1	2.5		

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND FLOW - CONTINUED			
	12	55.0	495.8	3.7		
	13	60.0	498.1	2.4		
	14	65.0	500.2	2.1		
	15	70.0	503.7	3.5		
	16	75.0	505.6	1.9		
	17	80.0	507.1	1.4		
	18	85.0	508.8	1.8		
	19	90.0	510.4	1.6		
	20	95.0	511.8	1.4		
	21	100.0	513.6	1.8		
	22	105.0	515.2	1.6		
	23	110.0	516.8	1.6		
	24	115.0	518.4	1.6		
F	25	119.4	519.7	1.3		
			SECOND CLOSED-IN			
F	1	0.0	519.7			
	2	1.0	1350.4	830.8	1.0	2.101
	3	2.0	1372.4	852.8	2.0	1.809
	4	3.0	1383.3	863.7	3.0	1.643
	5	4.0	1390.1	870.4	3.8	1.527
	6	5.0	1396.3	876.7	4.8	1.428
	7	6.0	1400.5	880.8	5.8	1.352
	8	7.0	1404.3	884.7	6.7	1.288
	9	8.0	1407.6	887.9	7.5	1.236
	10	9.0	1410.6	891.0	8.4	1.186
	11	10.0	1413.0	893.4	9.3	1.145
	12	12.0	1417.2	897.5	10.9	1.073
	13	14.0	1421.2	901.5	12.7	1.010
	14	16.0	1424.4	904.8	14.2	0.960
	15	18.0	1427.1	907.5	15.8	0.914
	16	20.0	1429.2	909.6	17.3	0.874
	17	22.0	1431.6	912.0	18.8	0.839
	18	24.0	1433.2	913.6	20.2	0.807
	19	26.0	1435.0	915.3	21.6	0.777
	20	28.0	1436.4	916.8	23.0	0.751
	21	30.0	1438.0	918.4	24.4	0.726
	22	35.0	1441.7	922.1	27.6	0.672
	23	40.0	1443.7	924.0	30.5	0.628
	24	45.0	1446.1	926.4	33.4	0.589
	25	50.0	1448.5	928.8	36.1	0.555
	26	55.0	1450.1	930.4	38.6	0.526
	27	60.0	1451.5	931.9	41.0	0.500
	28	70.0	1454.1	934.4	45.4	0.455
	29	80.0	1456.0	936.4	49.5	0.418
	30	90.0	1457.9	938.3	53.1	0.388
	31	100.0	1458.9	939.3	56.5	0.361
	32	110.0	1460.5	940.9	59.5	0.338
G	33	120.4	1462.1	942.5	62.4	0.317

REMARKS:

TICKET NO. 70583800

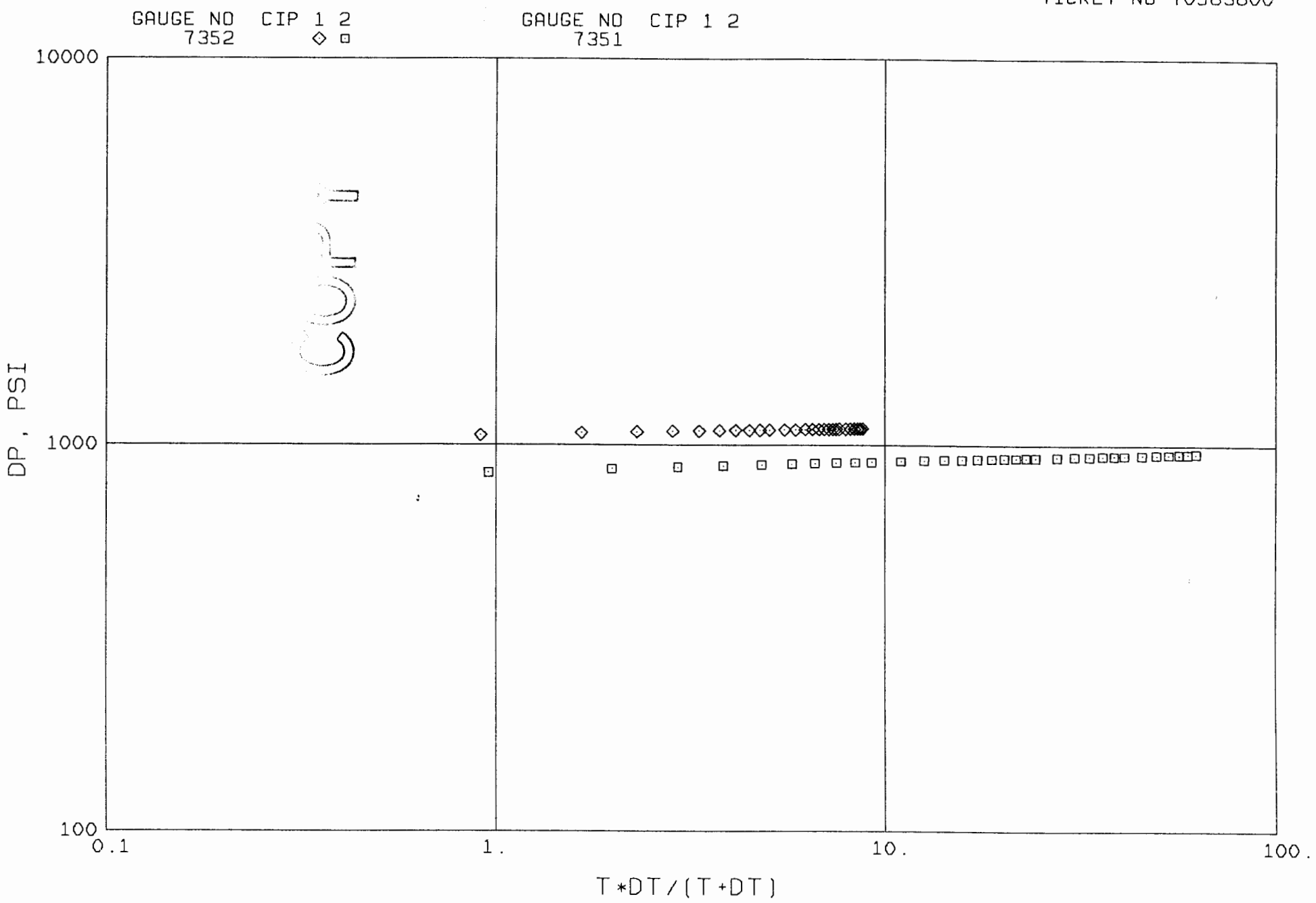


		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.500	3.826	4759.0	
3	DRILL COLLARS	6.000	2.500	745.1	
50	IMPACT REVERSING SUB	6.000	3.000	1.0	5504.5
3	DRILL COLLARS	6.000	2.500	60.7	
5	CROSSOVER	6.000	2.500	1.0	
11	HANDLING SUB & CHOKE ASSEMBLY	4.500	3.500	4.6	
13	DUAL CIP SAMPLER	5.000	0.750	6.9	
60	HYDROSPRING TESTER	5.000	0.750	5.3	5582.5
80	AP RUNNING CASE	5.000	2.250	4.1	5584.6
15	JAR	5.000	1.750	5.0	
16	VR SAFETY JOINT	5.000	1.000	2.8	
70	OPEN HOLE PACKER	6.750	1.530	5.8	5599.4
70	OPEN HOLE PACKER	6.750	1.530	5.8	5605.2
20	FLUSH JOINT ANCHOR	5.000	2.370	16.0	
83	HT-500 TEMPERATURE CASE	5.000		1.0	5623.0
81	BLANKED-OFF RUNNING CASE	5.000		4.0	5625.0

TOTAL DEPTH 5628.0

EQUIPMENT DATA

TICKET NO 70583800



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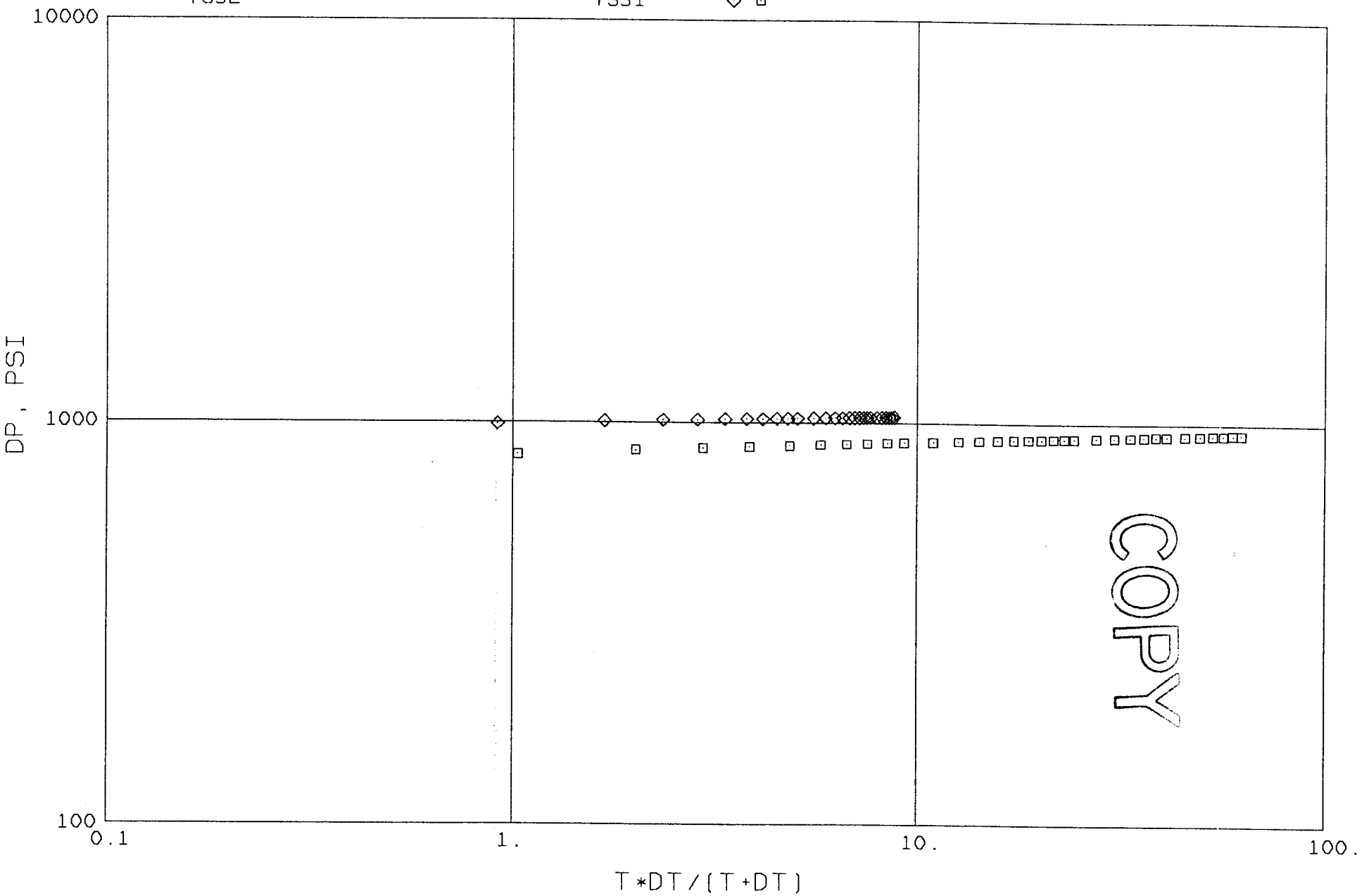

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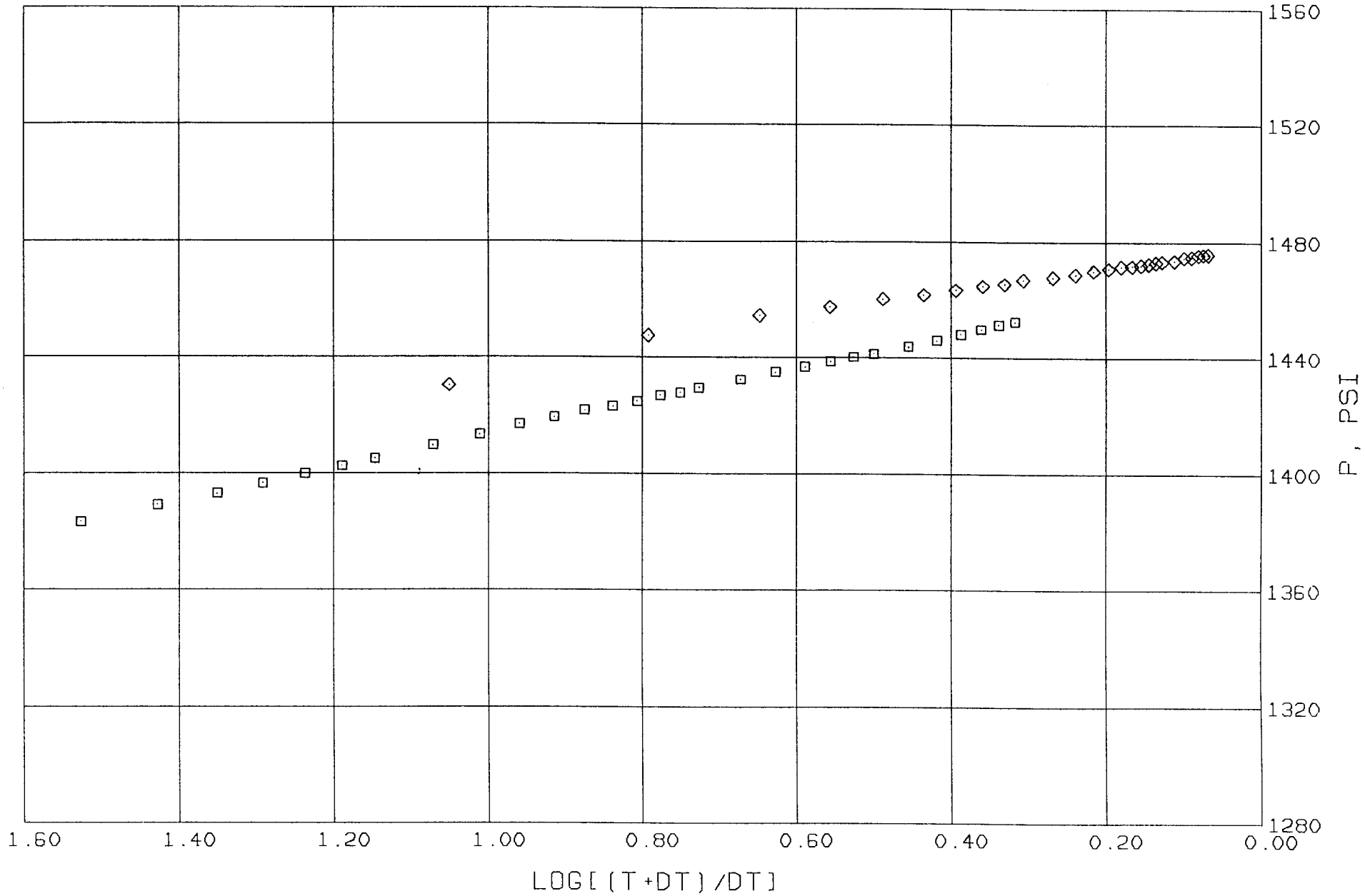
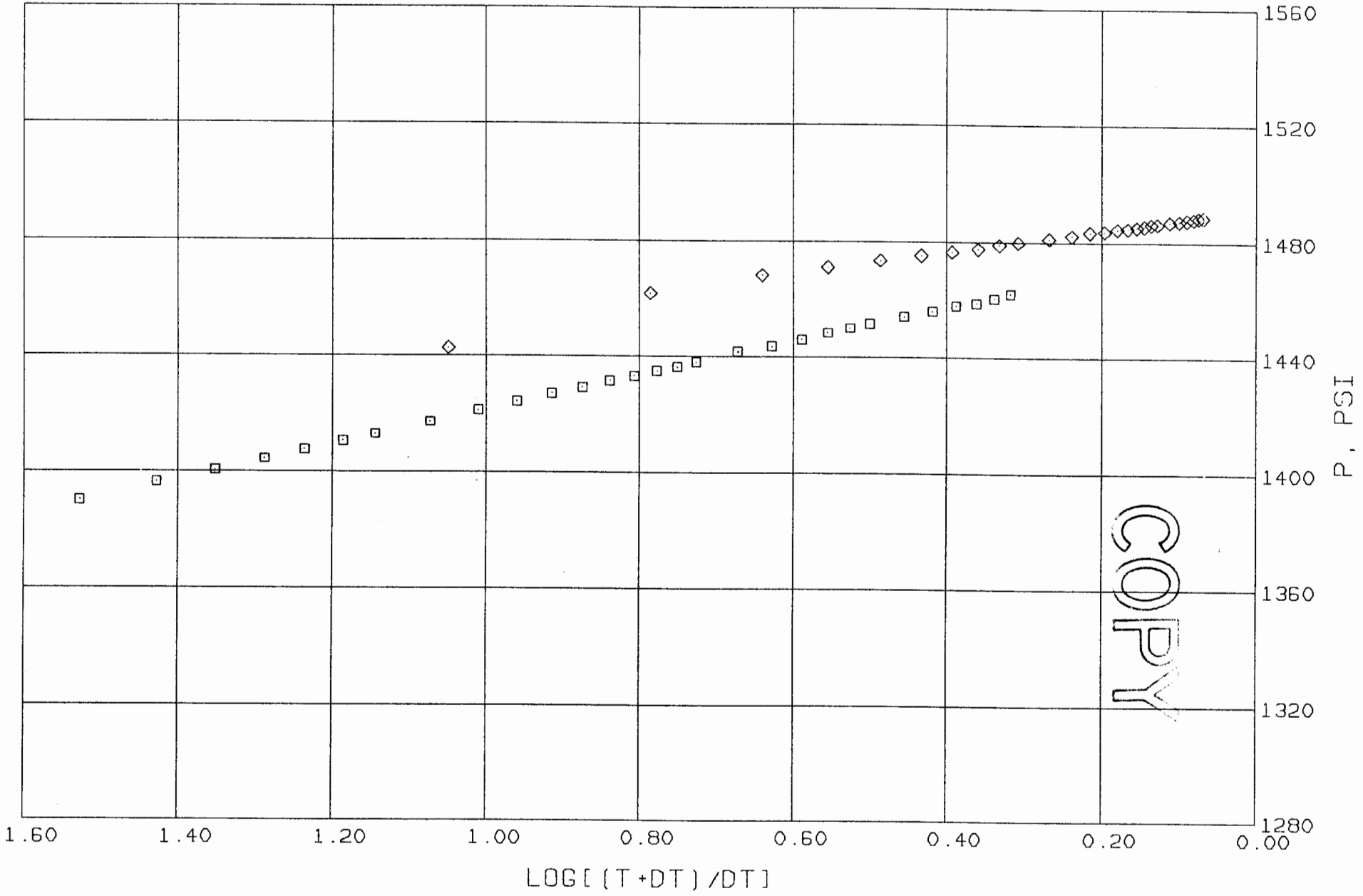
TICKET NO 70583800



TICKET NO 70583800

GAUGE NO CIP 1 2
7352

GAUGE NO CIP 1 2
7351 ◇ □



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