

DST REPORT

GENERAL INFORMATION

DATE : 7-4-95 TICKET : 21362
CUSTOMER : MCCOY PETROLEUM LEASE : ELMORE
WELL : #1-4 TEST: 1 GEOLOGIST: CALLEWAERT
ELEVATION: 2436 GL FORMATION: FORT SCOTT SAND
SECTION : 4 TOWNSHIP : 16S
RANGE : 21W COUNTY: NESS STATE : KS
GAUGE SN#: 1562 RANGE : 3900 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4180.00 ft TO: 4212.00 ft TVD: 4212.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4190.0 ft 4193.0 ft
TEMPERATURE: 118.0

DRILL COLLAR LENGTH: 249.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 3911.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 32.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4175.0 ft SIZE: 6.630 in
PACKER DEPTH: 4180.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : MALLARD #2
MUD TYPE : CHEMICAL VISCOSITY : 46.00 cp
WEIGHT : 9.000 ppg WATER LOSS: 11.000 cc
CHLORIDES : 0 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW OFF BOTTOM OF
BUCKET IN 4 MINUTES. FINAL FLOW PERIOD-STRONG
BLOW OFF BOTTOM OF BUCKET IN 6 MINUTES. RW .27 AT

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

78 DEGREES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	270 FT GAS ABOVE FLUID
120.0	100.0	0.0	0.0	0.0	CLEAN SLIGHTLY GASSY OIL
0.0	0.0	0.0	0.0	0.0	36 GRAVITY, CORRECTED
627.0	87.0	3.0	0.0	10.0	SLIGHTLY MUD & GAS CUT
0.0	0.0	0.0	0.0	0.0	OIL
555.0	0.0	0.0	80.0	20.0	MUDDY SALT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 20,000 PPM

RATE INFORMATION

OIL VOLUME:	9.3344 STB	TOTAL FLOW TIME:	80.0000 min.
GAS VOLUME:	1.4814 SCF	AVERAGE OIL RATE:	183.8493 STB/D
MUD VOLUME:	1.9828 STB	AVERAGE WATER RATE:	99.2973 STB/D
WATER VOLUME:	4.4132 STB		
TOTAL FLUID :	15.7304 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2181.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	180.00	330.00
INITIAL SHUT-IN	60.00		648.00
FINAL FLOW	60.00	400.00	519.00
FINAL SHUT-IN	90.00		609.00

FINAL HYDROSTATIC PRESSURE: 2073.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2131.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	25.00	165.00	312.00
INITIAL SHUT-IN	57.00		636.00
FINAL FLOW	55.00	387.00	521.00
FINAL SHUT-IN	93.00		624.00

FINAL HYDROSTATIC PRESSURE: 2038.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7-4-95	TICKET	: 21362
CUSTOMER	: MCCOY PETROLEUM	LEASE	: ELMORE
WELL	: #1-4	TEST:	1
ELEVATION	: 2436 GL	GEOLOGIST	: CALLEWAERT
SECTION	: 4	FORMATION	: FORT SCOTT SAND
RANGE	: 21W	TOWNSHIP	: 16S
GAUGE SN#	: 1562	COUNTY	: NESS
		STATE	: KS
		RANGE	: 3900
		CLOCK	: 12

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	165.00	165.00
5.00	189.00	24.00
10.00	217.00	28.00
15.00	249.00	32.00
20.00	282.00	33.00
25.00	312.00	30.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	551.00	551.00	9.33
6.00	597.00	46.00	5.17
9.00	607.00	10.00	3.78
12.00	615.00	8.00	3.08
15.00	619.00	4.00	2.67
18.00	624.00	5.00	2.39
21.00	626.00	2.00	2.19
24.00	627.00	1.00	2.04
27.00	628.00	1.00	1.93
30.00	630.00	2.00	1.83
33.00	631.00	1.00	1.76
36.00	631.00	0.00	1.69
39.00	633.00	2.00	1.64
42.00	635.00	2.00	1.60
45.00	634.00	-1.00	1.56
48.00	634.00	0.00	1.52
51.00	634.00	0.00	1.49
54.00	634.00	0.00	1.46
57.00	636.00	2.00	1.44

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	387.00	387.00
5.00	394.00	7.00
10.00	400.00	6.00
15.00	415.00	15.00
20.00	430.00	15.00
25.00	446.00	16.00
30.00	461.00	15.00
35.00	474.00	13.00
40.00	488.00	14.00
45.00	499.00	11.00
50.00	510.00	11.00
55.00	521.00	11.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	567.00	567.00	19.33
6.00	586.00	19.00	10.17
9.00	595.00	9.00	7.11
12.00	601.00	6.00	5.58
15.00	605.00	4.00	4.67
18.00	609.00	4.00	4.06
21.00	613.00	4.00	3.62
24.00	616.00	3.00	3.29
27.00	619.00	3.00	3.04
30.00	619.00	0.00	2.83
33.00	621.00	2.00	2.67
36.00	622.00	1.00	2.53
39.00	622.00	0.00	2.41
42.00	623.00	1.00	2.31
45.00	625.00	2.00	2.22
48.00	626.00	1.00	2.15
51.00	626.00	0.00	2.08
54.00	626.00	0.00	2.02
57.00	627.00	1.00	1.96
60.00	628.00	1.00	1.92
63.00	628.00	0.00	1.87
66.00	628.00	0.00	1.83
69.00	628.00	0.00	1.80
72.00	628.00	0.00	1.76
75.00	628.00	0.00	1.73
78.00	628.00	0.00	1.71

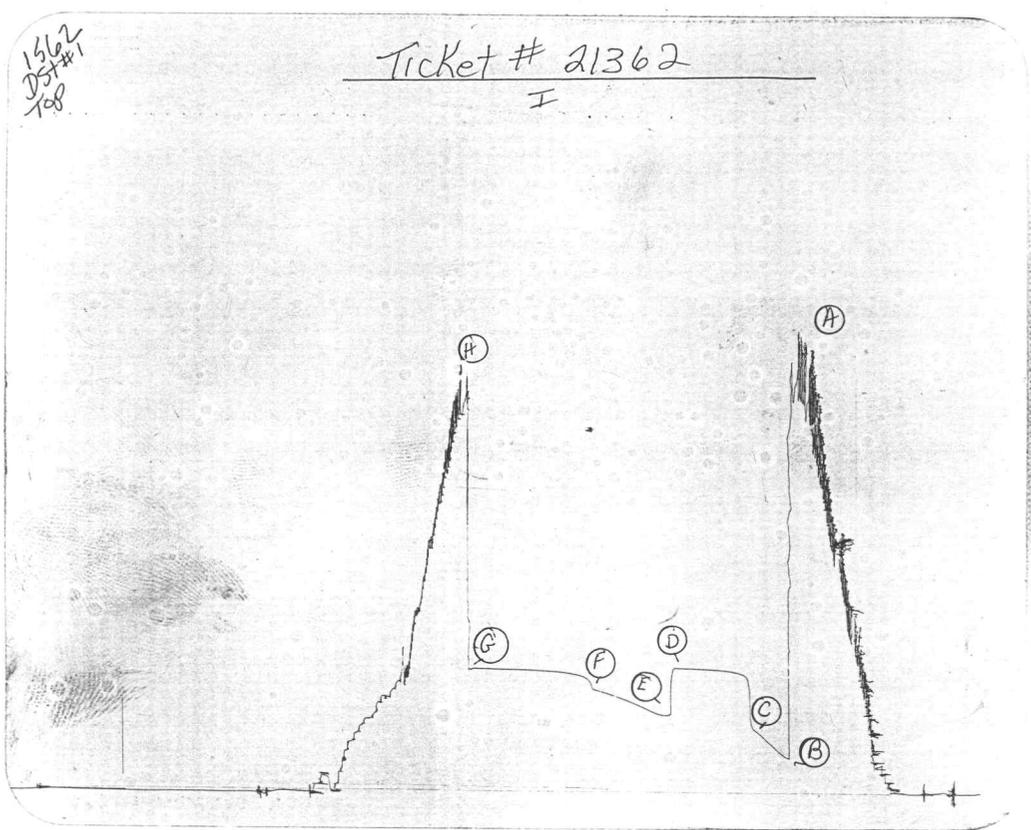
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
81.00	628.00	0.00	1.68
84.00	628.00	0.00	1.65
87.00	628.00	0.00	1.63
90.00	629.00	1.00	1.61
93.00	624.00	-5.00	1.59

1662
DST #1
108

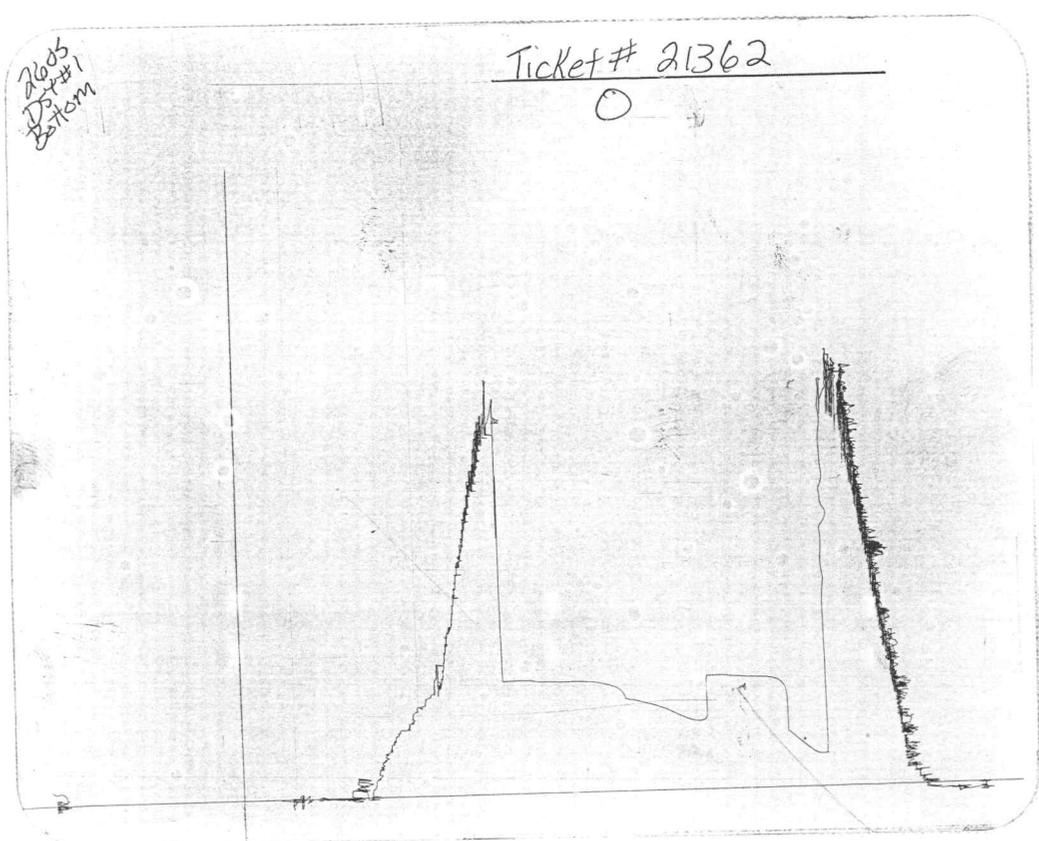
Ticket # 21362
I



Inside Recorder

2605
DST #1
Bottom

Ticket # 21362
O



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 7-4-95	TICKET : 21363
CUSTOMER : MCCOY PETROLEUM	LEASE : ELMORE
WELL : #1-4 TEST: 2	GEOLOGIST: CALLEWAERT
ELEVATION: 2436 GL	FORMATION: CHEROKEE "A"
SECTION : 4	TOWNSHIP : 16S
RANGE : 21W COUNTY: NESS	STATE : KS
GAUGE SN#: 1562 RANGE : 3900	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4215.00 ft	TO: 4229.00 ft	TVD: 4229.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4220.0 ft	4223.0 ft	
TEMPERATURE: 119.0		

DRILL COLLAR LENGTH: 249.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3939.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 14.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4210.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4215.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : MALLARD #2	
MUD TYPE : CHEMICAL	VISCOSITY : 46.00 cp
WEIGHT : 9.100 ppg	WATER LOSS: 11.000 cc
CHLORIDES : 900 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 406
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW OFF BOTTOM OF BUCKET IN 1 MINUTES. FINAL FLOW PERIOD-STRONG BLOW OFF BOTTOM OF BUCKET IN 6 MINUTES DECREASING

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

TO FAIR-3 INCHES IN BUCKET.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1287.0	0.0	0.0	85.0	15.0	MUDDY SALT WATER CHLORIDES 76,000 PPM
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	2.3676 STB	AVERAGE WATER RATE:	252.5409 STB/D
WATER VOLUME:	13.4162 STB		
TOTAL FLUID :	15.7838 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2211.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	470.00	500.00
INITIAL SHUT-IN	60.00		628.00
FINAL FLOW	60.00	599.00	628.00
FINAL SHUT-IN	90.00		648.00

FINAL HYDROSTATIC PRESSURE: 2083.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2191.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	445.00	559.00
INITIAL SHUT-IN	54.00		603.00
FINAL FLOW	60.00	603.00	616.00
FINAL SHUT-IN	90.00		634.00

FINAL HYDROSTATIC PRESSURE: 2106.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7-4-95	TICKET : 21363
CUSTOMER : MCCOY PETROLEUM	LEASE : ELMORE
WELL : #1-4 TEST: 2	GEOLOGIST: CALLEWAERT
ELEVATION: 2436 GL	FORMATION: CHEROKEE "A"
SECTION : 4	TOWNSHIP : 16S
RANGE : 21W COUNTY: NESS	STATE : KS
GAUGE SN#: 1562 RANGE : 3900	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	445.00	445.00
5.00	455.00	10.00
10.00	480.00	25.00
15.00	512.00	32.00
20.00	532.00	20.00
25.00	546.00	14.00
30.00	559.00	13.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	567.00	567.00	0.00
6.00	571.00	4.00	0.00
9.00	574.00	3.00	0.00
12.00	579.00	5.00	0.00
15.00	581.00	2.00	0.00
18.00	584.00	3.00	0.00
21.00	586.00	2.00	0.00
24.00	588.00	2.00	0.00
27.00	591.00	3.00	0.00
30.00	593.00	2.00	0.00
33.00	595.00	2.00	0.00
36.00	596.00	1.00	0.00
39.00	598.00	2.00	0.00
42.00	599.00	1.00	0.00
45.00	600.00	1.00	0.00
48.00	602.00	2.00	0.00
51.00	602.00	0.00	0.00
54.00	603.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	603.00	603.00
5.00	592.00	-11.00
10.00	594.00	2.00
15.00	599.00	5.00
20.00	604.00	5.00
25.00	606.00	2.00
30.00	607.00	1.00
35.00	608.00	1.00
40.00	609.00	1.00
45.00	610.00	1.00
50.00	611.00	1.00
55.00	614.00	3.00
60.00	616.00	2.00

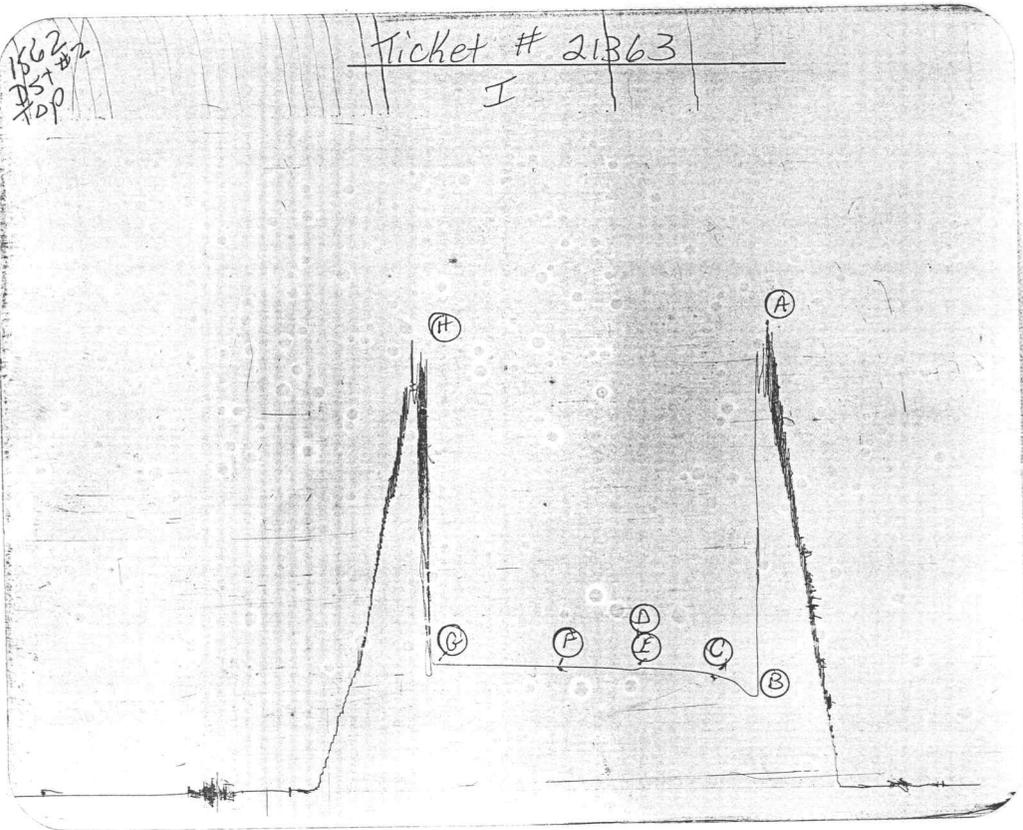
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	617.00	617.00	0.00
6.00	617.00	0.00	0.00
9.00	617.00	0.00	0.00
12.00	618.00	1.00	0.00
15.00	619.00	1.00	0.00
18.00	620.00	1.00	0.00
21.00	621.00	1.00	0.00
24.00	622.00	1.00	0.00
27.00	623.00	1.00	0.00
30.00	624.00	1.00	0.00
33.00	624.00	0.00	0.00
36.00	625.00	1.00	0.00
39.00	625.00	0.00	0.00
42.00	626.00	1.00	0.00
45.00	626.00	0.00	0.00
48.00	627.00	1.00	0.00
51.00	627.00	0.00	0.00
54.00	627.00	0.00	0.00
57.00	628.00	1.00	0.00
60.00	628.00	0.00	0.00
63.00	628.00	0.00	0.00
66.00	629.00	1.00	0.00
69.00	629.00	0.00	0.00
72.00	630.00	1.00	0.00
75.00	631.00	1.00	0.00

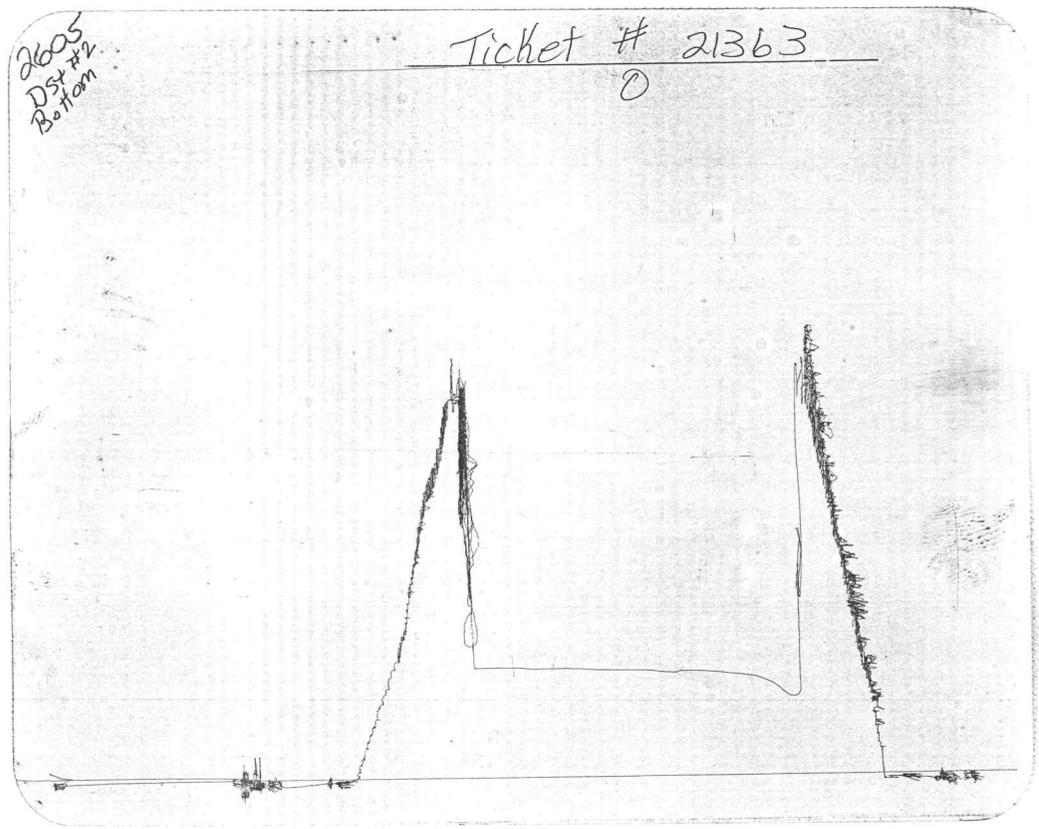
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
78.00	631.00	0.00	0.00
81.00	631.00	0.00	0.00
84.00	632.00	1.00	0.00
87.00	633.00	1.00	0.00
90.00	634.00	1.00	0.00



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 7-5-95	TICKET : 21364
CUSTOMER : MCCOY PETROLEUM	LEASE : ELMORE
WELL : #1-4 TEST: 3	GEOLOGIST: CALLEWAERT
ELEVATION: 2436 GL	FORMATION: KUTINA SAND
SECTION : 4	TOWNSHIP : 16S
RANGE : 21W COUNTY: NESS	STATE : KS
GAUGE SN#: 1562 RANGE : 3900	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4263.00 ft	TO: 4276.00 ft	TVD: 4276.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4268.0 ft	4271.0 ft	
TEMPERATURE: 121.0		
DRILL COLLAR LENGTH: 249.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3987.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 13.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4258.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4263.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : MALLARD #2	
MUD TYPE : CHEMICAL	VISCOSITY : 50.00 cp
WEIGHT : 9.200 ppg	WATER LOSS: 11.000 cc
CHLORIDES : 13000 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 406
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK TO STRONG OFF BOTTOM OF BUCKET IN 3 MINUTES. FINAL FLOW PERIOD-WEAK TO STRONG OFF BOTTOM OF BUCKET IN 7 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1116.0	0.0	0.0	90.0	10.0	MUDDY SALT WATER CHLORIDES 41,000 PPM
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	1.3385	STB		
WATER VOLUME:	12.0468	STB		
TOTAL FLUID :	13.3853	STB		
			TOTAL FLOW TIME:	90.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	214.1648 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2250.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	240.00	360.00
INITIAL SHUT-IN	60.00		797.00
FINAL FLOW	60.00	430.00	549.00
FINAL SHUT-IN	90.00		813.00

FINAL HYDROSTATIC PRESSURE: 2023.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2117.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	225.00	319.00
INITIAL SHUT-IN	60.00		798.00
FINAL FLOW	60.00	422.00	545.00
FINAL SHUT-IN	96.00		817.00

FINAL HYDROSTATIC PRESSURE: 2053.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7-5-95	TICKET : 21364
CUSTOMER : MCCOY PETROLEUM	LEASE : ELMORE
WELL : #1-4 TEST: 3	GEOLOGIST: CALLEWAERT
ELEVATION: 2436 GL	FORMATION: KUTINA SAND
SECTION : 4	TOWNSHIP : 16S
RANGE : 21W COUNTY: NESS	STATE : KS
GAUGE SN#: 1562 RANGE : 3900	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	225.00	225.00
5.00	231.00	6.00
10.00	242.00	11.00
15.00	265.00	23.00
20.00	291.00	26.00
25.00	311.00	20.00
30.00	319.00	8.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	461.00	461.00	0.00
6.00	536.00	75.00	0.00
9.00	589.00	53.00	0.00
12.00	627.00	38.00	0.00
15.00	653.00	26.00	0.00
18.00	678.00	25.00	0.00
21.00	696.00	18.00	0.00
24.00	710.00	14.00	0.00
27.00	722.00	12.00	0.00
30.00	732.00	10.00	0.00
33.00	744.00	12.00	0.00
36.00	753.00	9.00	0.00
39.00	759.00	6.00	0.00
42.00	767.00	8.00	0.00
45.00	773.00	6.00	0.00
48.00	778.00	5.00	0.00
51.00	783.00	5.00	0.00
54.00	787.00	4.00	0.00
57.00	791.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	798.00	7.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	422.00	422.00
5.00	425.00	3.00
10.00	428.00	3.00
15.00	435.00	7.00
20.00	453.00	18.00
25.00	470.00	17.00
30.00	482.00	12.00
35.00	497.00	15.00
40.00	507.00	10.00
45.00	519.00	12.00
50.00	530.00	11.00
55.00	541.00	11.00
60.00	545.00	4.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	590.00	590.00	0.00
6.00	632.00	42.00	0.00
9.00	661.00	29.00	0.00
12.00	686.00	25.00	0.00
15.00	703.00	17.00	0.00
18.00	719.00	16.00	0.00
21.00	729.00	10.00	0.00
24.00	736.00	7.00	0.00
27.00	744.00	8.00	0.00
30.00	751.00	7.00	0.00
33.00	756.00	5.00	0.00
36.00	762.00	6.00	0.00
39.00	767.00	5.00	0.00
42.00	772.00	5.00	0.00
45.00	777.00	5.00	0.00
48.00	782.00	5.00	0.00

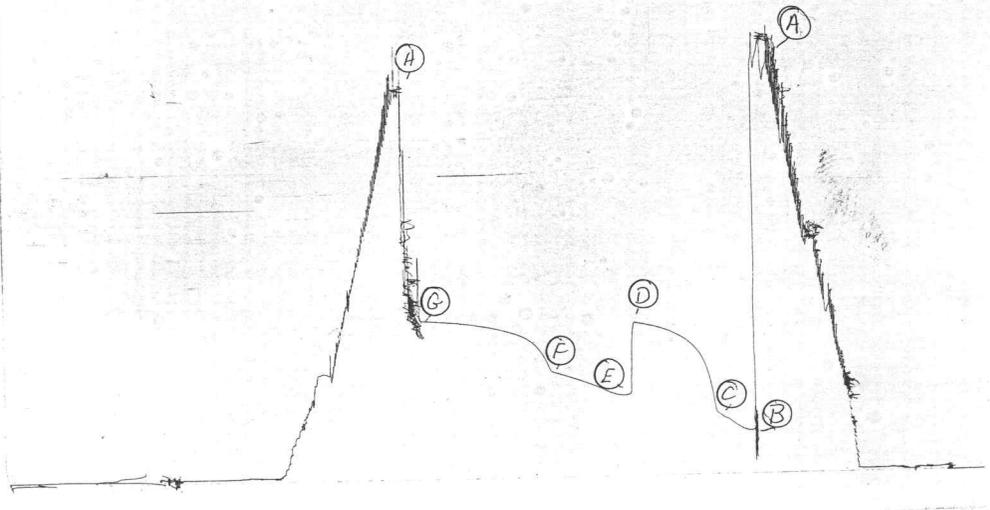
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	784.00	2.00	0.00
54.00	788.00	4.00	0.00
57.00	791.00	3.00	0.00
60.00	795.00	4.00	0.00
63.00	798.00	3.00	0.00
66.00	801.00	3.00	0.00
69.00	804.00	3.00	0.00
72.00	804.00	0.00	0.00
75.00	807.00	3.00	0.00
78.00	809.00	2.00	0.00
81.00	811.00	2.00	0.00
84.00	813.00	2.00	0.00
87.00	814.00	1.00	0.00
90.00	815.00	1.00	0.00
93.00	816.00	1.00	0.00
96.00	817.00	1.00	0.00

1562
DST #3
10P.

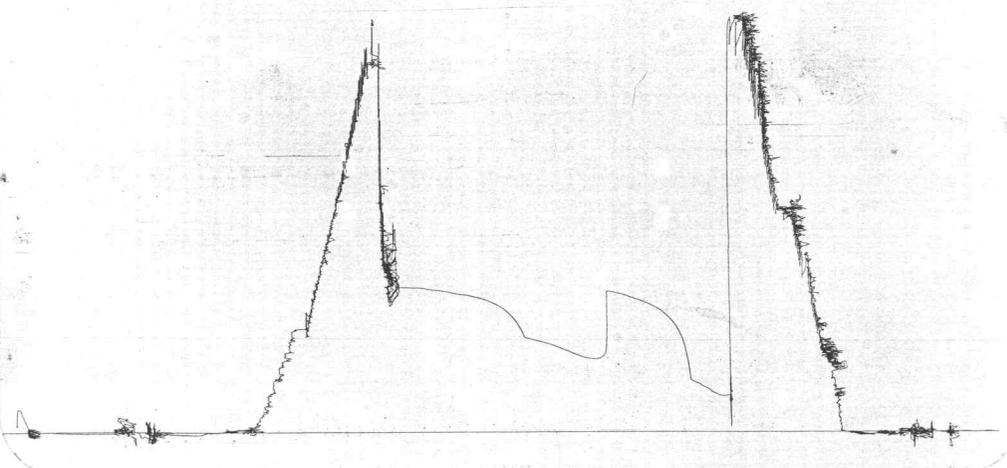
Ticket # 21364
I



Inside Recorder

2605
DST #3
Bottom

Ticket # 21364
O



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 7-6-95	TICKET	: 21365
CUSTOMER	: MCCOY PETROLEUM	LEASE	: ELMORE
WELL	: #1-4	TEST:	4
ELEVATION:	2436 GL	GEOLOGIST:	CALLEWAERT
SECTION	: 4	FORMATION:	PAWNEE-FT. SCOTT SD.
RANGE	: 21W	COUNTY:	NESS
GAUGE SN#:	1562	TOWNSHIP	: 16S
		STATE	: KS
		RANGE	: 3900
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4175.00 ft	TO:	4209.00 ft	TVD:	4350.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4195.0 ft		4198.0 ft		
TEMPERATURE:	118.0				
DRILL COLLAR LENGTH:	249.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3899.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	34.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4170.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4175.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4209.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	MALLARD #2	VISCOSITY :	74.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.000 cc
WEIGHT :	9.000 ppg	SERIAL NUMBER:	406
CHLORIDES :	10000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK TO STRONG OFF BOTTOM OF BUCKET IN 4 1/2 MINUTES. FINAL FLOW PERIOD-WEAK TO STRONG OFF BOTTOM OF BUCKET IN 9 MINUTES.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

125FT OF DRILL PIPE IN TAIL PIPE (141FT T.P.)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
	Oil	Gas	Water	Mud	
0.0	0.0	0.0	0.0	0.0	340FT GAS ABOVE FLUID
402.0	100.0	0.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	36 GRAVITY
372.0	65.0	10.0	0.0	25.0	MUD & GAS CUT OIL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 12,000 PPM

RATE INFORMATION

OIL VOLUME:	7.5559 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	1.6563 SCF	AVERAGE OIL RATE:	132.6931 STB/D
MUD VOLUME:	0.7374 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	8.2933 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2171.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	140.00	200.00
INITIAL SHUT-IN	60.00		619.00
FINAL FLOW	60.00	250.00	330.00
FINAL SHUT-IN	90.00		599.00
FINAL HYDROSTATIC PRESSURE:	1984.00		

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2114.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	115.00	198.00
INITIAL SHUT-IN	60.00		605.00
FINAL FLOW	60.00	251.00	308.00
FINAL SHUT-IN	105.00		599.00

FINAL HYDROSTATIC PRESSURE: 1984.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7-6-95	TICKET	: 21365
CUSTOMER	: MCCOY PETROLEUM	LEASE	: ELMORE
WELL	: #1-4	TEST:	4
ELEVATION:	2436 GL	GEOLOGIST:	CALLEWAERT
SECTION	: 4	FORMATION:	PAWNEE-FT. SCOTT SD.
RANGE	: 21W	TOWNSHIP	: 16S
GAUGE SN#:	1562	STATE	: KS
		CLOCK	: 12
		COUNTY:	NESS
		RANGE	: 3900

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	115.00	115.00
5.00	175.00	60.00
10.00	169.00	-6.00
15.00	169.00	0.00
20.00	176.00	7.00
25.00	184.00	8.00
30.00	198.00	14.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	424.00	424.00	11.00
6.00	481.00	57.00	6.00
9.00	504.00	23.00	4.33
12.00	521.00	17.00	3.50
15.00	533.00	12.00	3.00
18.00	542.00	9.00	2.67
21.00	550.00	8.00	2.43
24.00	559.00	9.00	2.25
27.00	564.00	5.00	2.11
30.00	572.00	8.00	2.00
33.00	574.00	2.00	1.91
36.00	580.00	6.00	1.83
39.00	584.00	4.00	1.77
42.00	588.00	4.00	1.71
45.00	592.00	4.00	1.67
48.00	595.00	3.00	1.63
51.00	597.00	2.00	1.59
54.00	599.00	2.00	1.56
57.00	603.00	4.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	605.00	2.00	1.50

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	251.00	251.00
5.00	246.00	-5.00
10.00	245.00	-1.00
15.00	249.00	4.00
20.00	254.00	5.00
25.00	262.00	8.00
30.00	269.00	7.00
35.00	277.00	8.00
40.00	285.00	8.00
45.00	292.00	7.00
50.00	300.00	8.00
55.00	305.00	5.00
60.00	308.00	3.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	445.00	445.00	21.00
6.00	469.00	24.00	11.00
9.00	484.00	15.00	7.67
12.00	495.00	11.00	6.00
15.00	505.00	10.00	5.00
18.00	514.00	9.00	4.33
21.00	521.00	7.00	3.86
24.00	527.00	6.00	3.50
27.00	532.00	5.00	3.22
30.00	537.00	5.00	3.00
33.00	542.00	5.00	2.82
36.00	549.00	7.00	2.67
39.00	553.00	4.00	2.54
42.00	556.00	3.00	2.43
45.00	559.00	3.00	2.33
48.00	563.00	4.00	2.25

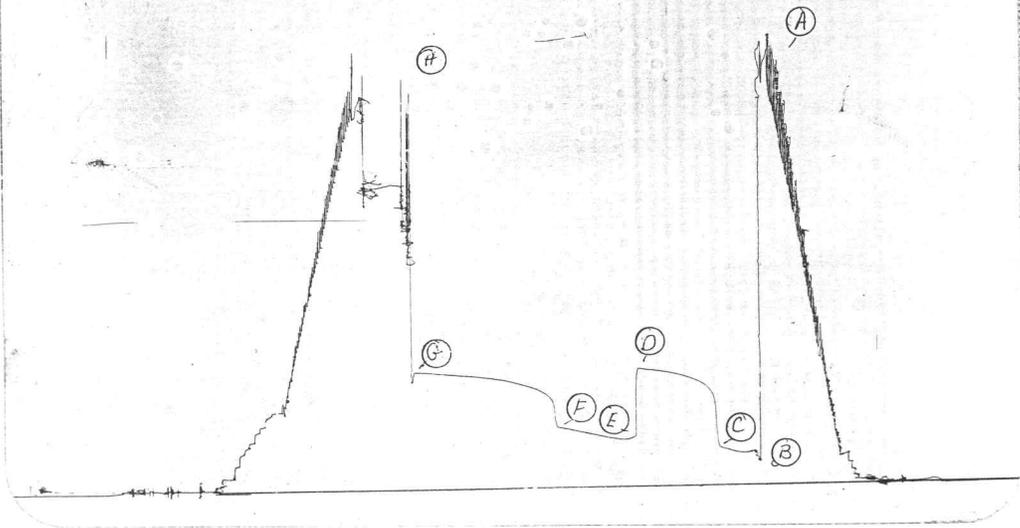
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	567.00	4.00	2.18
54.00	568.00	1.00	2.11
57.00	571.00	3.00	2.05
60.00	573.00	2.00	2.00
63.00	576.00	3.00	1.95
66.00	578.00	2.00	1.91
69.00	579.00	1.00	1.87
72.00	581.00	2.00	1.83
75.00	583.00	2.00	1.80
78.00	585.00	2.00	1.77
81.00	586.00	1.00	1.74
84.00	588.00	2.00	1.71
87.00	590.00	2.00	1.69
90.00	593.00	3.00	1.67
93.00	594.00	1.00	1.65
96.00	594.00	0.00	1.63
99.00	595.00	1.00	1.61
102.00	597.00	2.00	1.59
105.00	599.00	2.00	1.57

1562
201 #4
top

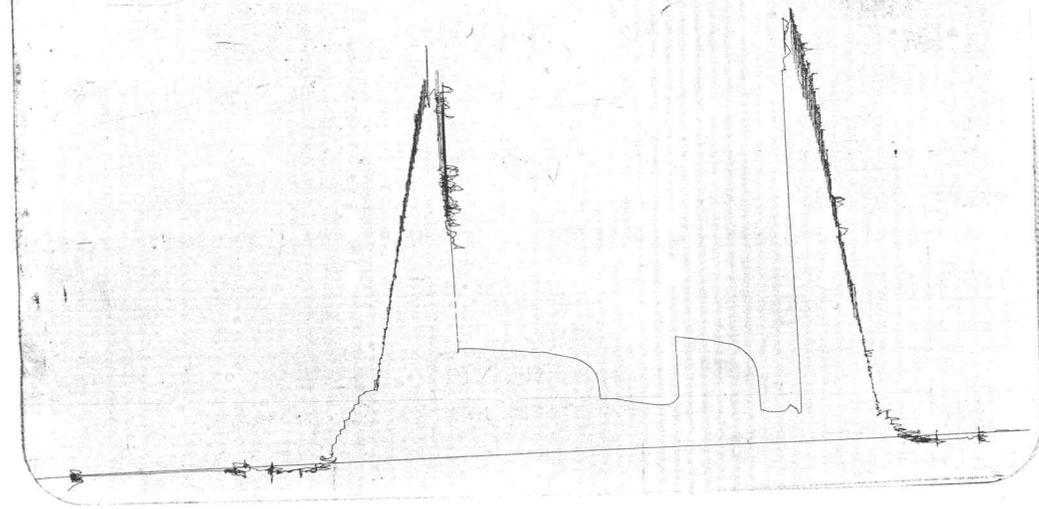
Ticket # 21365
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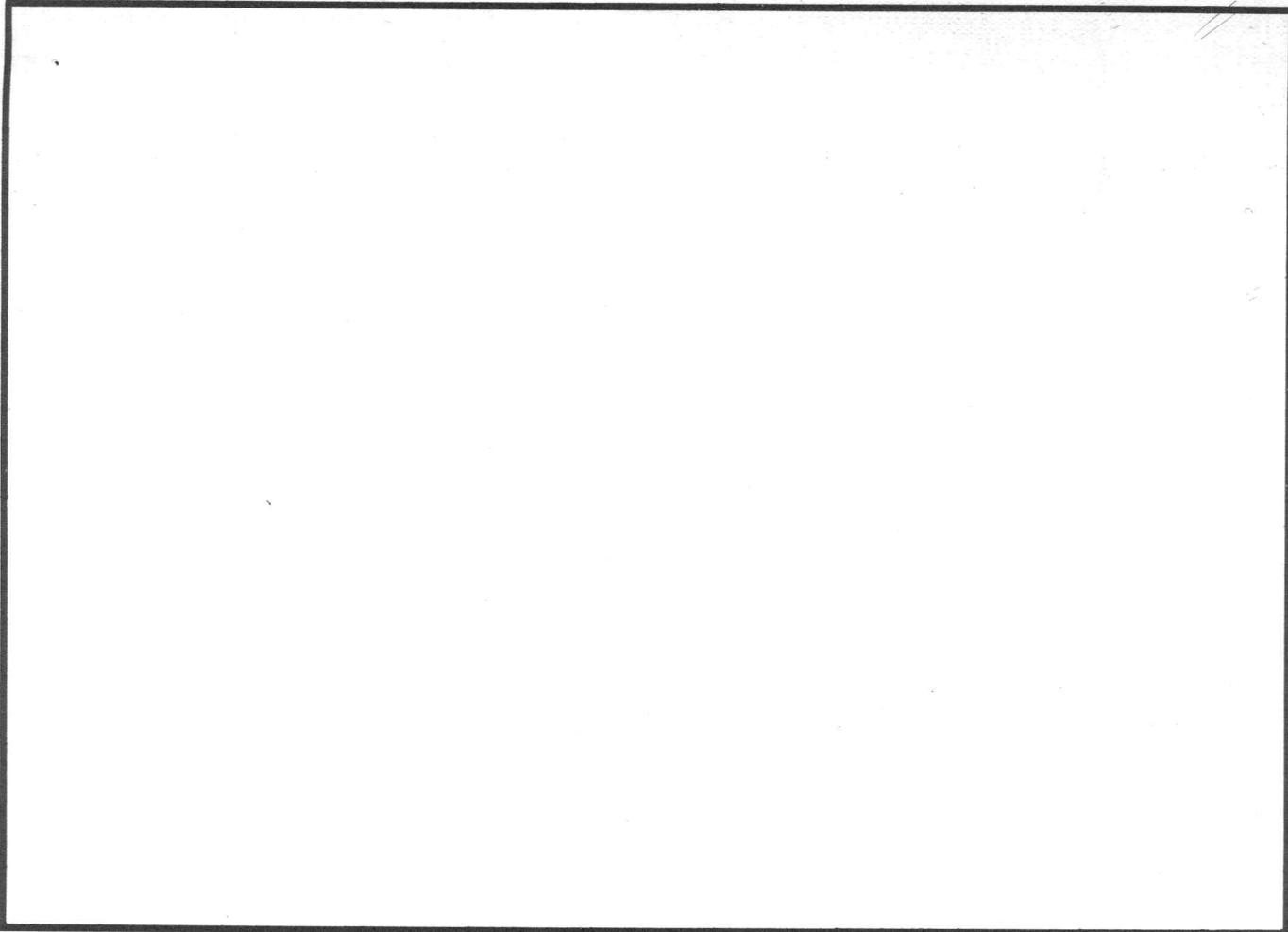
Inside Recorder

21365
201 #4
Bottom

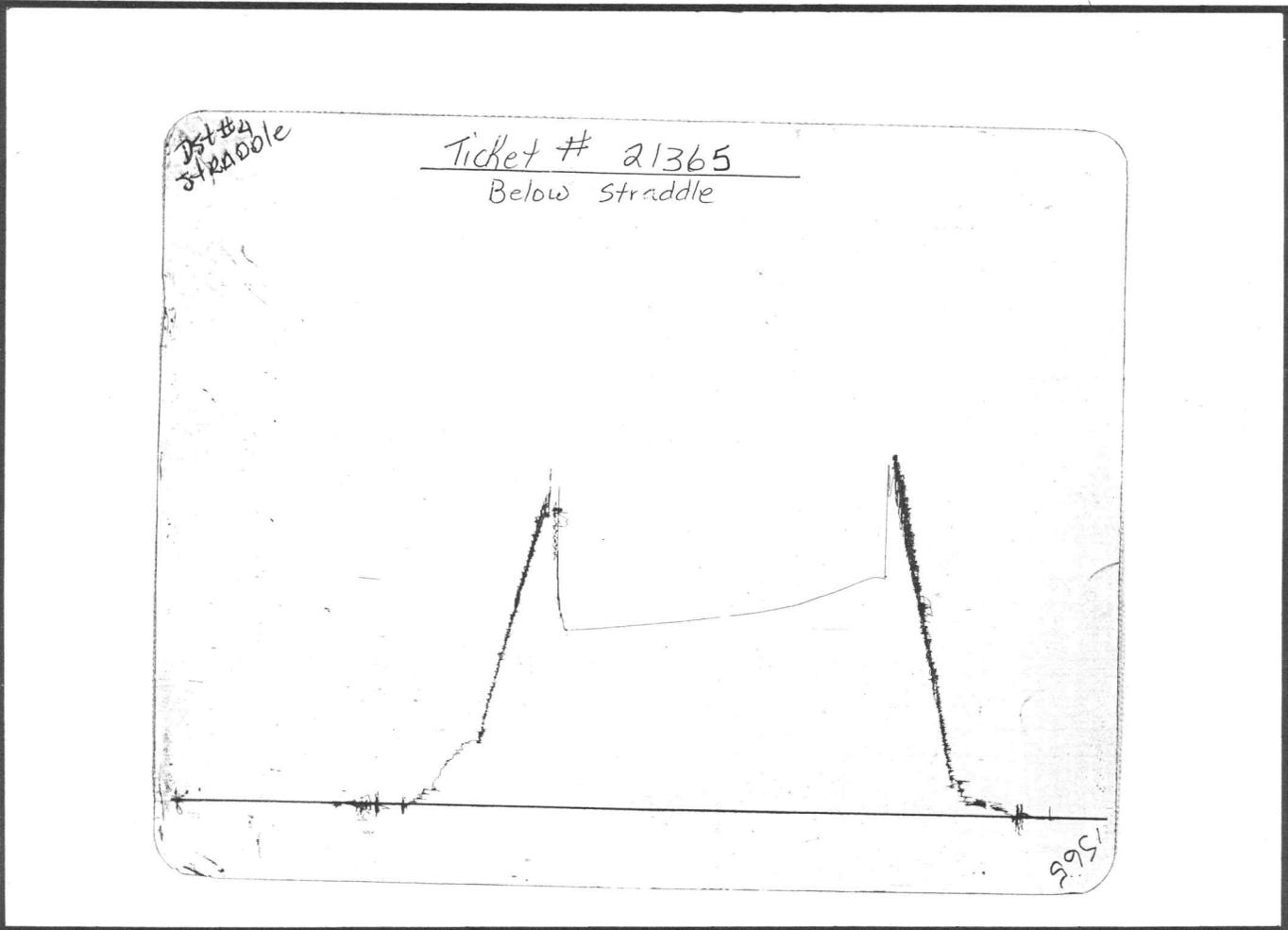
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Outside Recorder



Inside Recorder



Outside Recorder