

DST REPORT

GENERAL INFORMATION

DATE	: 5-20-95	TICKET	: 19750
CUSTOMER	: MCCOY PETROLEUM	LEASE	: HANKE "A"
WELL	: #1-14	TEST:	1
ELEVATION	: 2983 KB	GEOLOGIST	: HARTZ
SECTION	: 14	FORMATION	: LANSING
RANGE	: 35W	TOWNSHIP	: 31S
Gauge SN#	: 1562	STATE	: KS
	COUNTY: STEVENS	CLOCK	: 12
	RANGE : 3900		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4104.00 ft	TO:	4145.00 ft	TVD:	4201.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4114.0 ft		4117.0 ft		
TEMPERATURE:	116.0				
DRILL COLLAR LENGTH:	273.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3804.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	41.0 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:	4099.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4104.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4145.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	SWEETMAN #1	VISCOSITY :	42.00 cp
MUD TYPE :	PREMIX	WATER LOSS:	27.200 cc
WEIGHT :	9.000 ppg		
CHLORIDES :	1600 ppm	SERIAL NUMBER:	401
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-GOOD SURGE DECREASING TO
SURFACE BLOW DIED IN 12 MINUTES.
31FT OF DRILL COLLAR IN TAIL PIPE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
10.0	0.0	0.0	0.0	100.0	OIL SPOTTED MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 2,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0492	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.0492	STB		
			TOTAL FLOW TIME:	60.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1934.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	50.00
INITIAL SHUT-IN	30.00		100.00
FINAL FLOW	30.00	60.00	60.00
FINAL SHUT-IN	30.00		80.00

FINAL HYDROSTATIC PRESSURE: 1924.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1928.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	73.00	48.00
INITIAL SHUT-IN	27.00		86.00
FINAL FLOW	30.00	58.00	52.00
FINAL SHUT-IN	30.00		72.00

FINAL HYDROSTATIC PRESSURE: 1917.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 5-20-95	TICKET	: 19750
CUSTOMER	: MCCOY PETROLEUM	LEASE	: HANKE "A"
WELL	: #1-14	TEST:	1
ELEVATION:	2983 KB	GEOLOGIST:	HARTZ
SECTION	: 14	FORMATION:	LANSING
RANGE	: 35W	TOWNSHIP	: 31S
GAUGE SN#:	1562	COUNTY:	STEVENS
		STATE	: KS
		RANGE	: 3900
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	73.00	73.00
5.00	60.00	-13.00
10.00	52.00	-8.00
15.00	50.00	-2.00
20.00	49.00	-1.00
25.00	48.00	-1.00
30.00	48.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	48.00	48.00	0.00
6.00	48.00	0.00	0.00
9.00	52.00	4.00	0.00
12.00	56.00	4.00	0.00
15.00	59.00	3.00	0.00
18.00	64.00	5.00	0.00
21.00	70.00	6.00	0.00
24.00	77.00	7.00	0.00
27.00	86.00	9.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	58.00	58.00
5.00	58.00	0.00

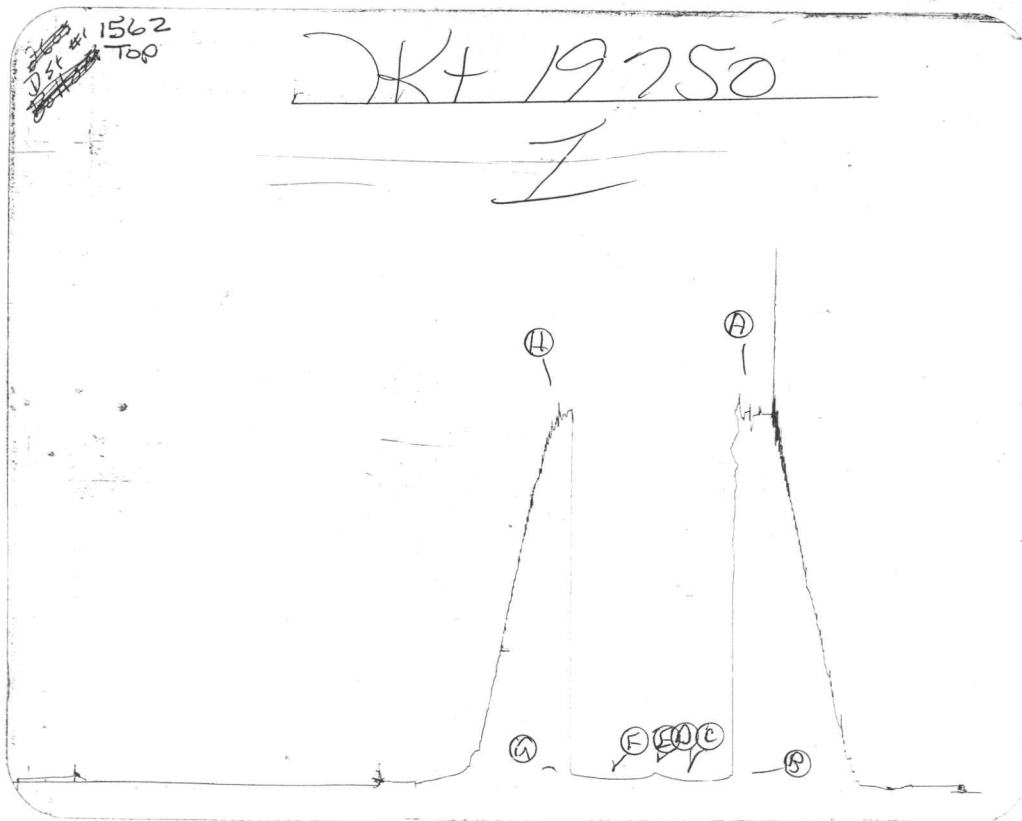
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

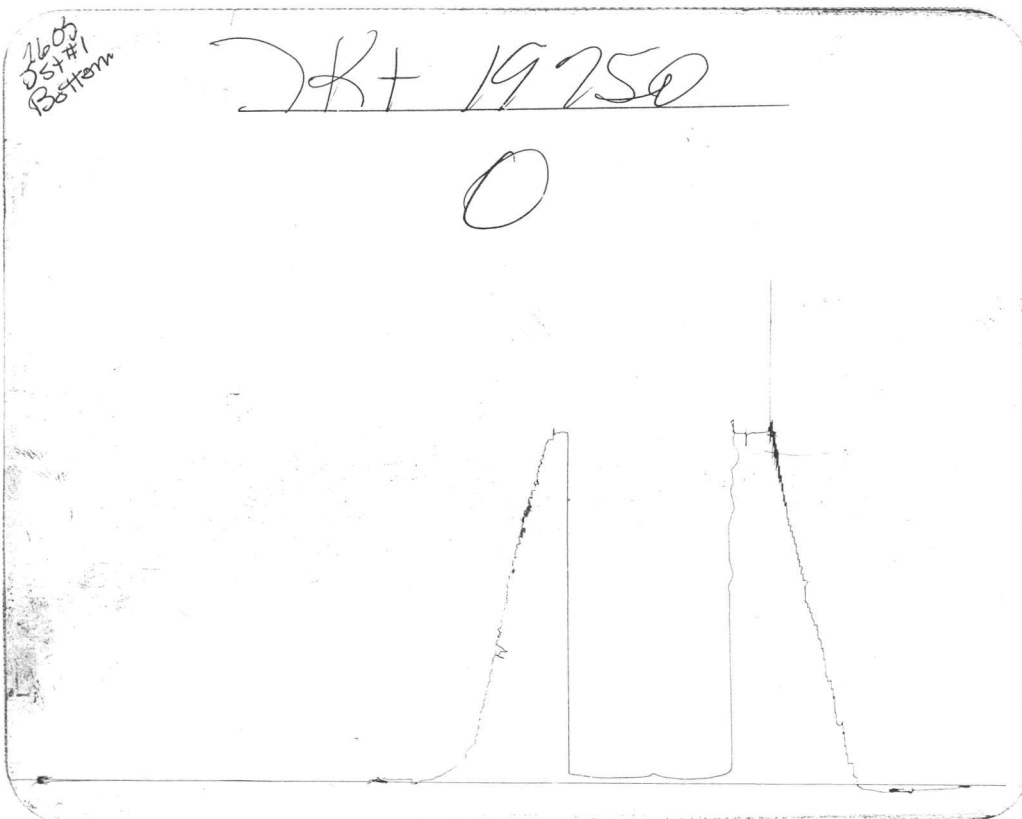
Time (min)	Pressure	Delta P
10.00	58.00	0.00
15.00	54.00	-4.00
20.00	52.00	-2.00
25.00	52.00	0.00
30.00	52.00	0.00

FINAL SHUT IN

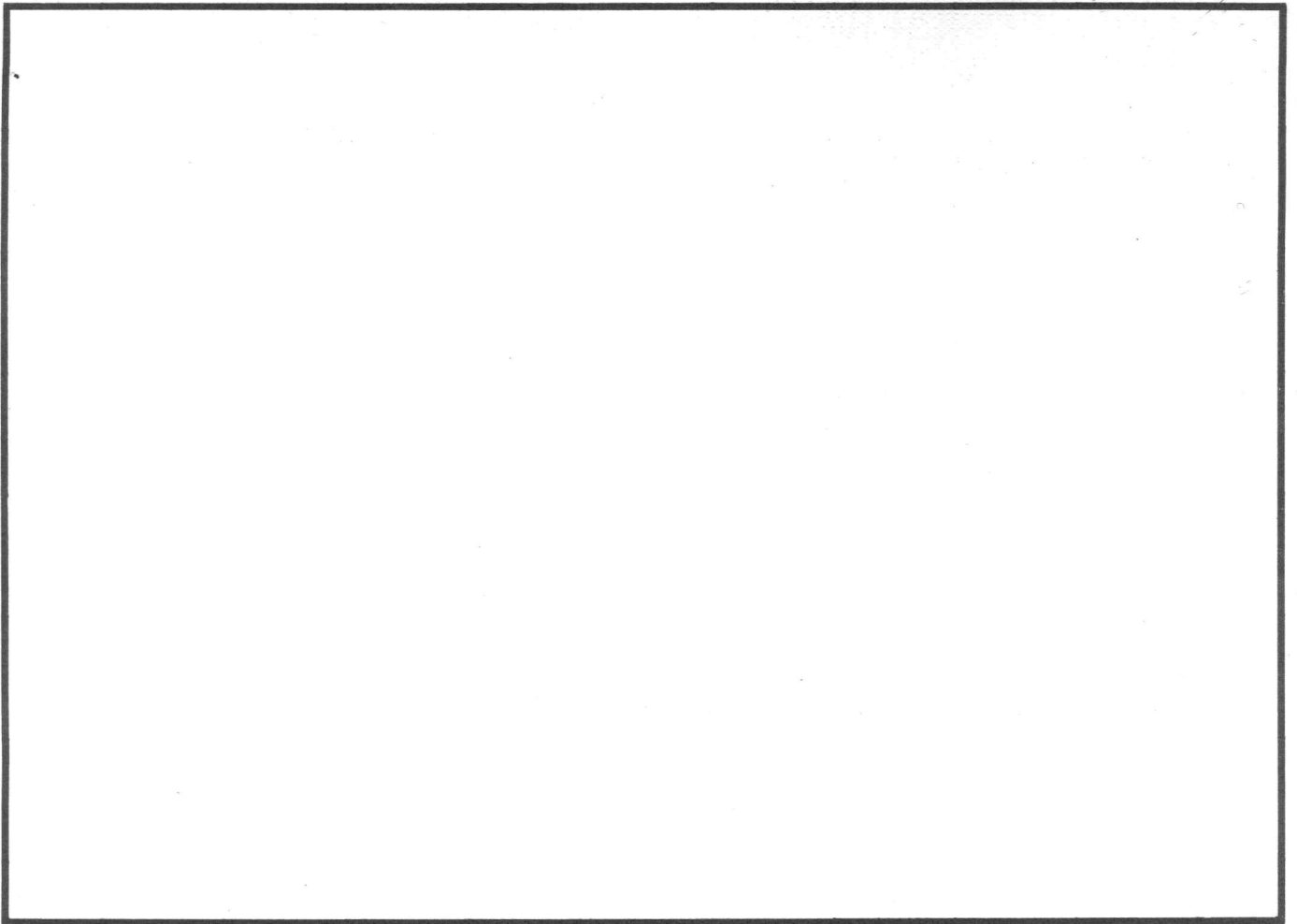
Time (min)	Pressure	Delta P	Horner T
3.00	54.00	54.00	0.00
6.00	54.00	0.00	0.00
9.00	54.00	0.00	0.00
12.00	56.00	2.00	0.00
15.00	58.00	2.00	0.00
18.00	61.00	3.00	0.00
21.00	64.00	3.00	0.00
24.00	67.00	3.00	0.00
27.00	70.00	3.00	0.00
30.00	72.00	2.00	0.00



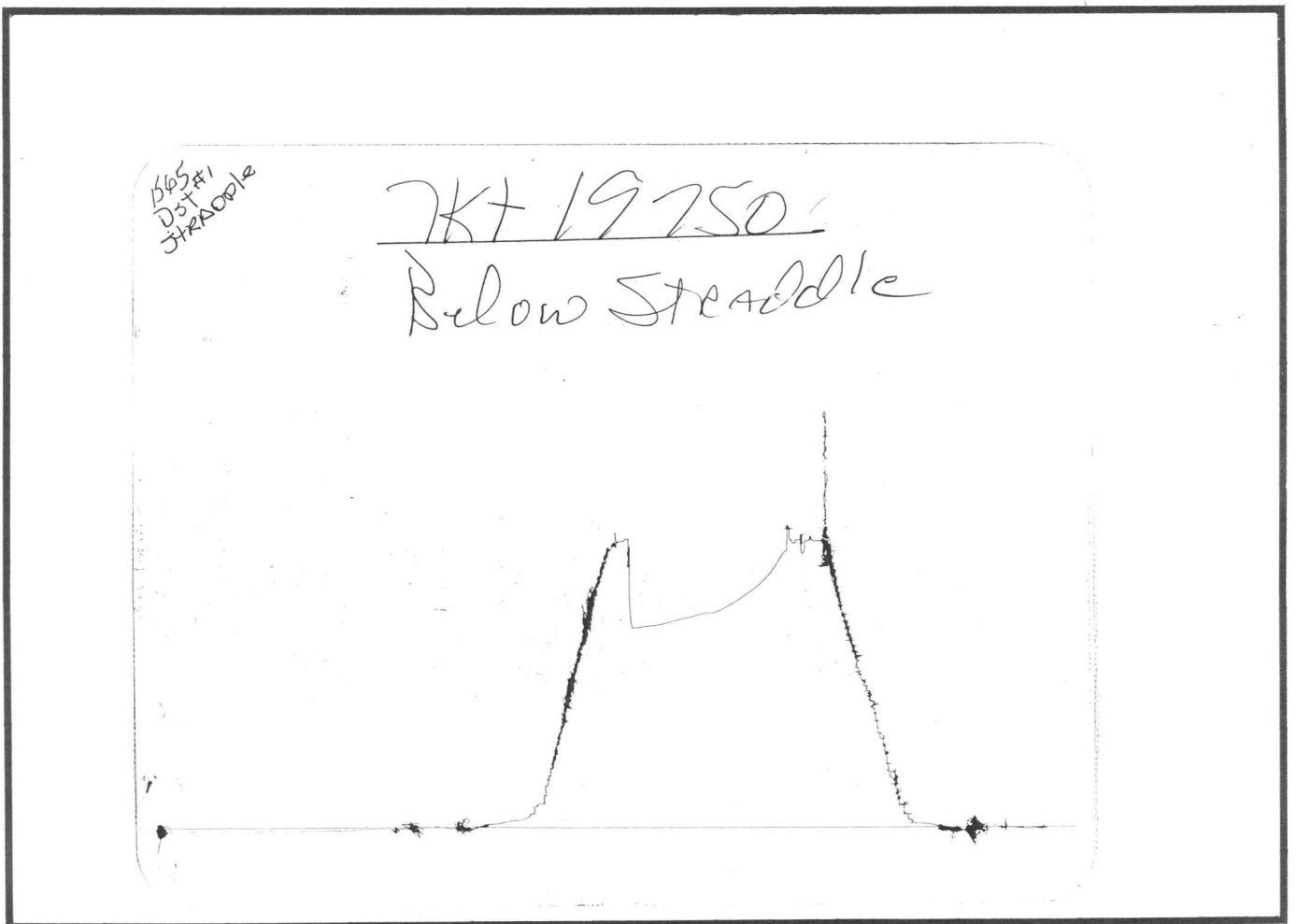
Inside Recorder



Outside Recorder



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 5-23-95	TICKET	: 21351
CUSTOMER	: MCCOY PETROLEUM	LEASE	: HANKE "A"
WELL	: #1-14	TEST: 2	GEOLOGIST: HARTZ
ELEVATION	: 2983 KB	FORMATION	: MORROW
SECTION	: 14	TOWNSHIP	: 31S
RANGE	: 35W	COUNTY: STEVENS	STATE : KS
GAUGE SN#	: 1562	RANGE : 3900	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	5406.00 ft	TO:	5457.00 ft	TVD:	5457.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5420.0 ft		5423.0 ft		
TEMPERATURE:	126.0				
DRILL COLLAR LENGTH:	273.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5106.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	51.0 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:	5401.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5406.0 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. :	SWEETMAN #1	VISCOSITY :	57.00 cp
MUD TYPE :	CHEMICAL DRISPAC	WATER LOSS:	9.600 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	1600 ppm	SERIAL NUMBER:	401
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW SLOWLY BUILDING TO
1 1/2 INCH IN BUCKET. FINAL FLOW PERIOD-VERY
WEAK BLOW-DIED IN 7 MINUTES. 31FT OF DRILL COLLAR

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

IN ANCHOR.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
25.0	0.0	0.0	0.0	100.0	OIL SPOTTED MUD WITH A
0.0	0.0	0.0	0.0	0.0	GOOD SHOW OF OIL IN TOOL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 1,900 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.1229	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.1229	STB		
			TOTAL FLOW TIME:	60.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2656.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	40.00	50.00
INITIAL SHUT-IN	60.00		76.00
FINAL FLOW	30.00	60.00	62.00
FINAL SHUT-IN	60.00		72.00

FINAL HYDROSTATIC PRESSURE: 2547.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2586.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	64.00	50.00
INITIAL SHUT-IN	60.00		78.00
FINAL FLOW	30.00	78.00	61.00
FINAL SHUT-IN	66.00		76.00

FINAL HYDROSTATIC PRESSURE: 2549.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 5-23-95	TICKET	: 21351
CUSTOMER	: MCCOY PETROLEUM	LEASE	: HANKE "A"
WELL	: #1-14	TEST:	2
ELEVATION:	2983 KB	GEOLOGIST:	HARTZ
SECTION	: 14	FORMATION:	MORROW
RANGE	: 35W	TOWNSHIP	: 31S
GAUGE SN#:	1562	COUNTY:	STEVENS
		STATE	: KS
		RANGE	: 3900
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	64.00	64.00
5.00	56.00	-8.00
10.00	51.00	-5.00
15.00	50.00	-1.00
20.00	50.00	0.00
25.00	50.00	0.00
30.00	50.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	52.00	52.00	0.00
6.00	53.00	1.00	0.00
9.00	54.00	1.00	0.00
12.00	55.00	1.00	0.00
15.00	56.00	1.00	0.00
18.00	59.00	3.00	0.00
21.00	60.00	1.00	0.00
24.00	61.00	1.00	0.00
27.00	62.00	1.00	0.00
30.00	64.00	2.00	0.00
33.00	66.00	2.00	0.00
36.00	68.00	2.00	0.00
39.00	68.00	0.00	0.00
42.00	70.00	2.00	0.00
45.00	71.00	1.00	0.00
48.00	72.00	1.00	0.00
51.00	73.00	1.00	0.00
54.00	74.00	1.00	0.00
57.00	75.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

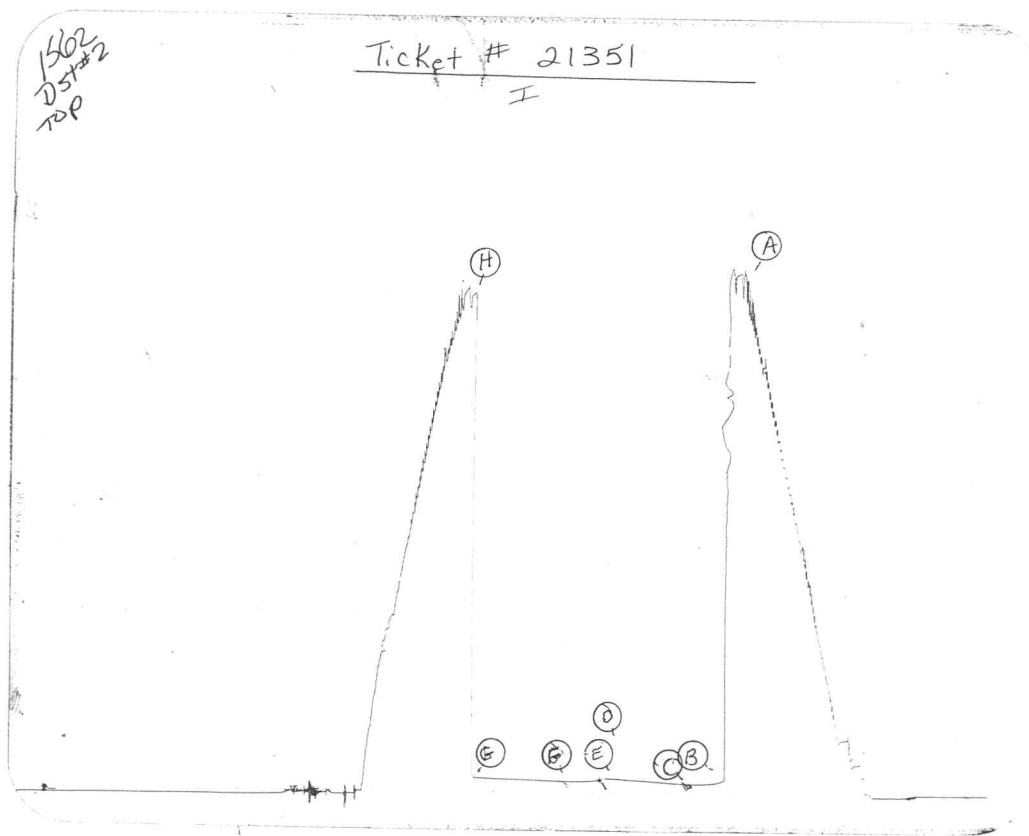
Time (min)	Pressure	Delta P	Horner T
60.00	78.00	3.00	0.00

FINAL FLOW

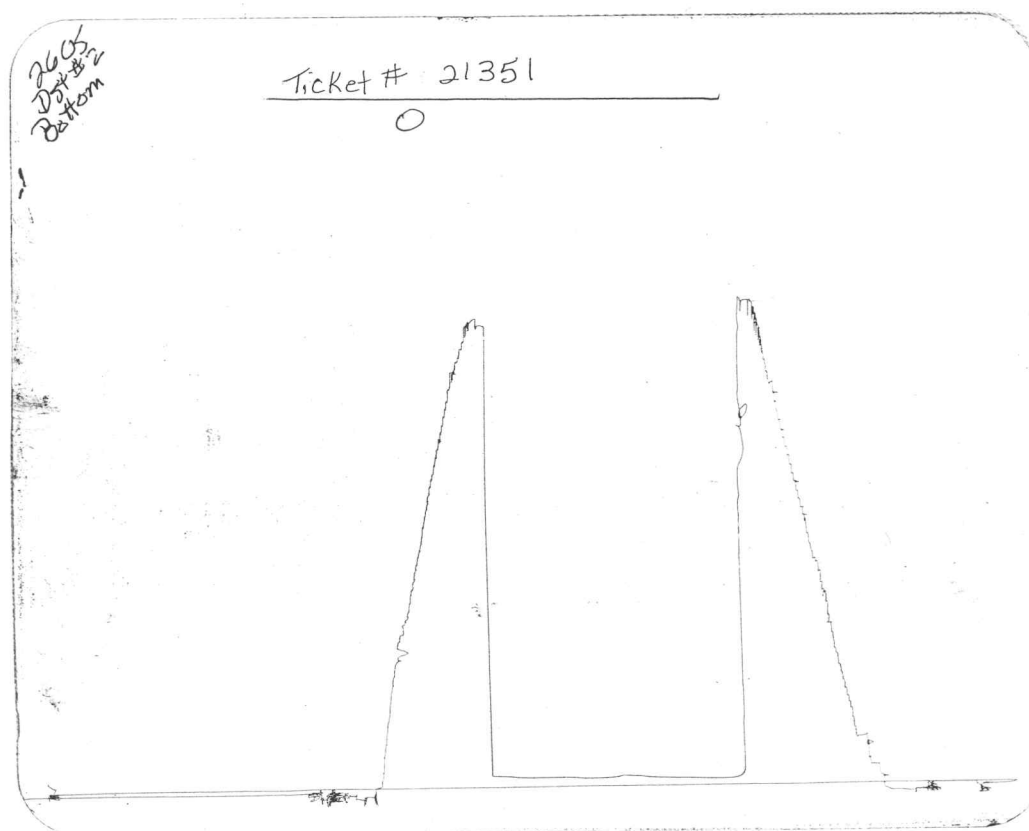
Time (min)	Pressure	Delta P
0.00	78.00	78.00
5.00	67.00	-11.00
10.00	62.00	-5.00
15.00	61.00	-1.00
20.00	61.00	0.00
25.00	61.00	0.00
30.00	61.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	61.00	61.00	0.00
6.00	62.00	1.00	0.00
9.00	62.00	0.00	0.00
12.00	63.00	1.00	0.00
15.00	63.00	0.00	0.00
18.00	65.00	2.00	0.00
21.00	65.00	0.00	0.00
24.00	65.00	0.00	0.00
27.00	66.00	1.00	0.00
30.00	67.00	1.00	0.00
33.00	68.00	1.00	0.00
36.00	69.00	1.00	0.00
39.00	70.00	1.00	0.00
42.00	70.00	0.00	0.00
45.00	71.00	1.00	0.00
48.00	71.00	0.00	0.00
51.00	72.00	1.00	0.00
54.00	73.00	1.00	0.00
57.00	74.00	1.00	0.00
60.00	75.00	1.00	0.00
63.00	76.00	1.00	0.00
66.00	76.00	0.00	0.00



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 5-24-95	TICKET	: 21352
CUSTOMER	: MCCOY PETROLEUM	LEASE	: HANKE "A"
WELL	: #1-14	TEST: 3	GEOLOGIST: HARTZ
ELEVATION	: 2983 KB	FORMATION	: CHESTER
SECTION	: 14	TOWNSHIP	: 31S
RANGE	: 35W	COUNTY: STEVENS	STATE : KS
GAUGE SN#	: 1562	RANGE : 3900	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	5659.00 ft	TO:	5688.00 ft	TVD:	5688.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5664.0 ft		5667.0 ft		
TEMPERATURE:	127.0				
DRILL COLLAR LENGTH:	273.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5359.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	29.0 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:	5654.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5659.0 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. :	SWEETMAN #1	VISCOSITY :	56.00 cp
MUD TYPE :	CHEMICAL DRISPAC	WATER LOSS:	8.000 cc
WEIGHT :	9.000 ppg		
CHLORIDES :	1900 ppm	SERIAL NUMBER:	401
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-VERY WEAK 1/2 INCH BLOW
DECREASING TO SURFACE. FINAL BLOW PERIOD-VERY
WEAK SURFACE BLOW-DIED IN 1 MINUTE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
15.0	0.0	0.0	0.0	100.0	DRILLING MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 1,800 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.0738	STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000	STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.0738	STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2764.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	50.00
INITIAL SHUT-IN	60.00		946.00
FINAL FLOW	30.00	56.00	56.00
FINAL SHUT-IN	60.00		470.00

FINAL HYDROSTATIC PRESSURE: 2725.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2773.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	76.00	43.00
INITIAL SHUT-IN	57.00		933.00
FINAL FLOW	30.00	90.00	48.00
FINAL SHUT-IN	60.00		502.00

FINAL HYDROSTATIC PRESSURE: 2740.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5-24-95	TICKET : 21352
CUSTOMER : MCCOY PETROLEUM	LEASE : HANKE "A"
WELL : #1-14	GEOLOGIST: HARTZ
ELEVATION: 2983 KB	FORMATION: CHESTER
SECTION : 14	TOWNSHIP : 31S
RANGE : 35W	STATE : KS
GAUGE SN#: 1562	CLOCK : 12
COUNTY: STEVENS	
RANGE : 3900	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	76.00	76.00
5.00	68.00	-8.00
10.00	57.00	-11.00
15.00	48.00	-9.00
20.00	45.00	-3.00
25.00	44.00	-1.00
30.00	43.00	-1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	44.00	44.00	0.00
6.00	49.00	5.00	0.00
9.00	55.00	6.00	0.00
12.00	62.00	7.00	0.00
15.00	74.00	12.00	0.00
18.00	91.00	17.00	0.00
21.00	123.00	32.00	0.00
24.00	160.00	37.00	0.00
27.00	214.00	54.00	0.00
30.00	290.00	76.00	0.00
33.00	360.00	70.00	0.00
36.00	440.00	80.00	0.00
39.00	514.00	74.00	0.00
42.00	589.00	75.00	0.00
45.00	675.00	86.00	0.00
48.00	740.00	65.00	0.00
51.00	813.00	73.00	0.00
54.00	875.00	62.00	0.00
57.00	933.00	58.00	0.00

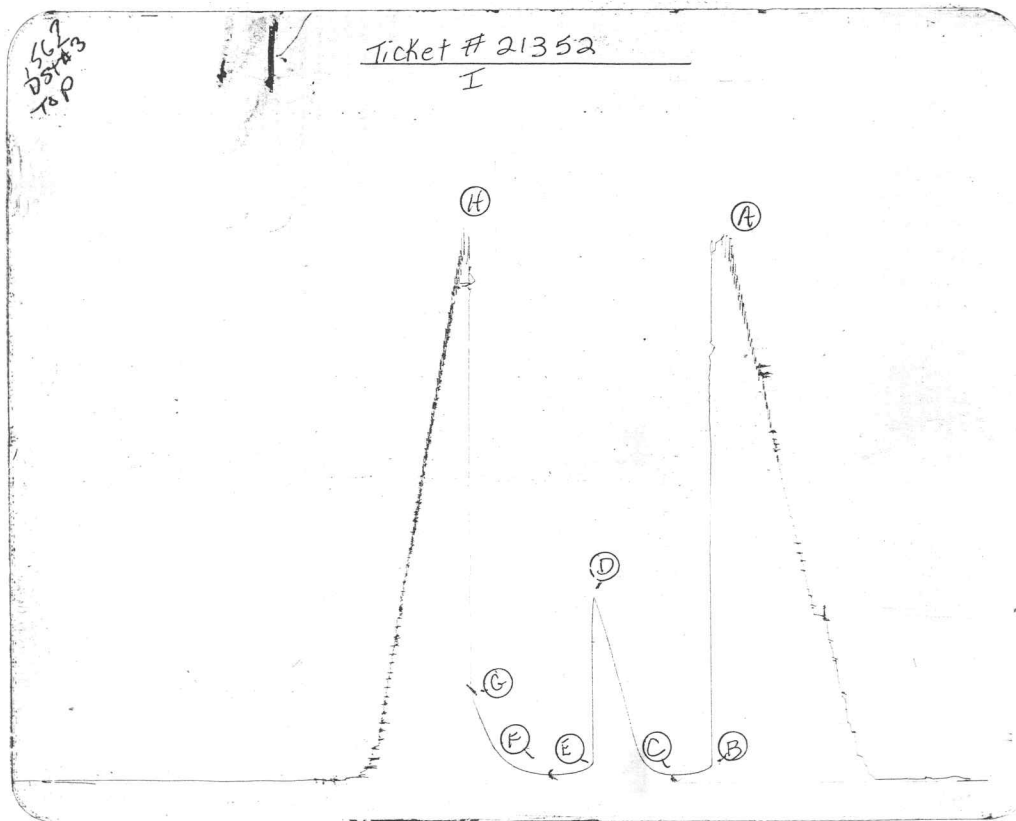
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

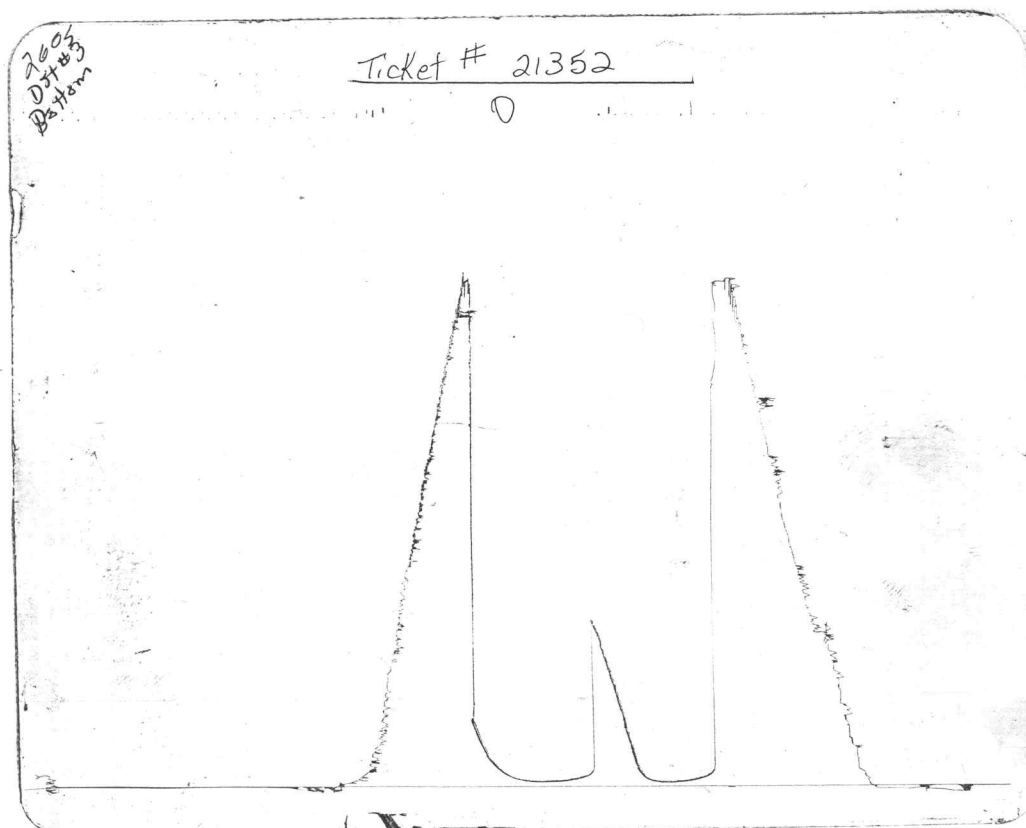
Time (min)	Pressure	Delta P
0.00	90.00	90.00
5.00	78.00	-12.00
10.00	63.00	-15.00
15.00	55.00	-8.00
20.00	51.00	-4.00
25.00	50.00	-1.00
30.00	48.00	-2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	49.00	49.00	0.00
6.00	51.00	2.00	0.00
9.00	53.00	2.00	0.00
12.00	57.00	4.00	0.00
15.00	60.00	3.00	0.00
18.00	65.00	5.00	0.00
21.00	72.00	7.00	0.00
24.00	80.00	8.00	0.00
27.00	89.00	9.00	0.00
30.00	102.00	13.00	0.00
33.00	117.00	15.00	0.00
36.00	134.00	17.00	0.00
39.00	161.00	27.00	0.00
42.00	186.00	25.00	0.00
45.00	226.00	40.00	0.00
48.00	271.00	45.00	0.00
51.00	310.00	39.00	0.00
54.00	360.00	50.00	0.00
57.00	402.00	42.00	0.00
60.00	502.00	100.00	0.00



Inside Recorder



Outside Recorder