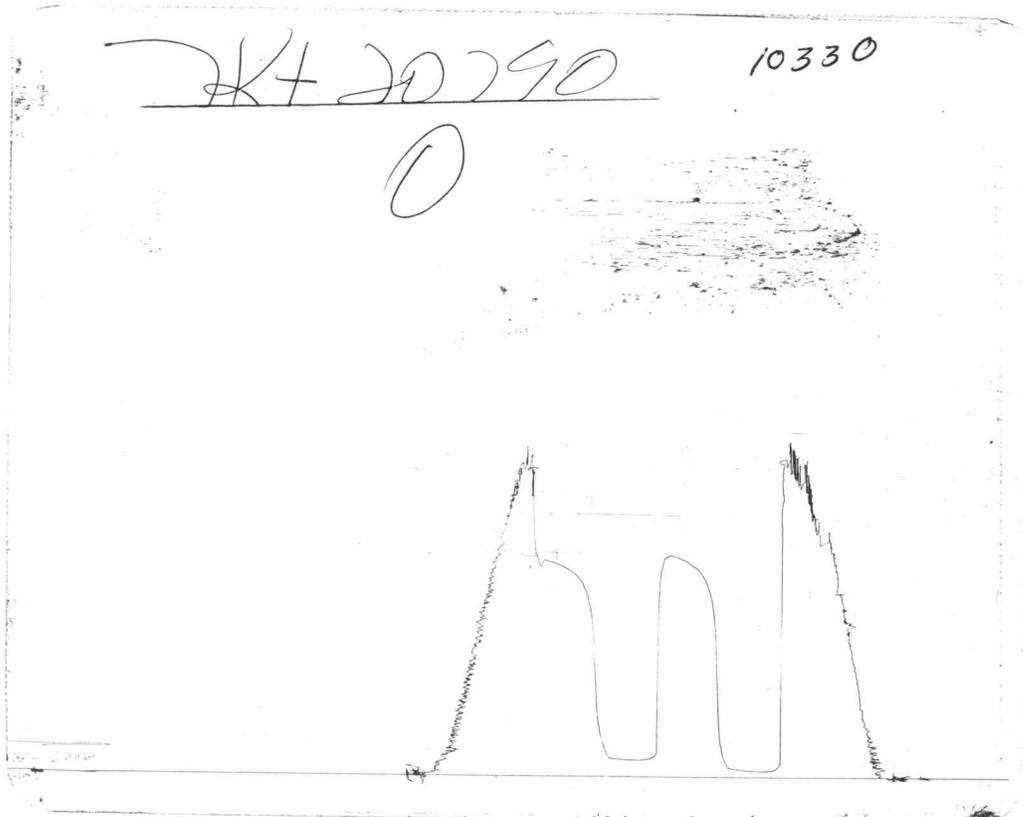


Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 6-16-95
CUSTOMER : THUNDERBIRD DRLG COMPANY
WELL : #1 TEST: 1
ELEVATION: 2691 GR
SECTION : 8
RANGE : 31W COUNTY: RAWLINS
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20790
LEASE : SOLKO "B"
GEOLOGIST: AIKINS
FORMATION: OREAD
TOWNSHIP : 2
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3557.00 ft TO: 3610.00 ft TVD: 3610.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3558.0 ft 3561.0 ft
TEMPERATURE: 109.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 504.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 3033.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 53.0 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: 3552.0 ft SIZE: 6.750 in
PACKER DEPTH: 3557.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8
MUD TYPE : CHEMICAL VISCOSITY : 46.00 cp
WEIGHT : 8.600 ppg WATER LOSS: 10.500 cc
CHLORIDES : 1800 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW-INCREASED TO 2 1/2
INCHES IN WATER. FINAL FLOW PERIOD-WEAK BLOW 1
INCH IN WATER.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
80.0	0.0	0.0	0.0	100.0	MUD
124.0	0.0	0.0	80.0	20.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	FEW OIL SPOTS ON TOP OF
0.0	0.0	0.0	0.0	0.0	TOOL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 25,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	85.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	1.0424	STB	AVERAGE WATER RATE:	20.8950	STB/D
WATER VOLUME:	0.9867	STB			
TOTAL FLUID :	2.0291	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1662.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	48.00	68.00
INITIAL SHUT-IN	45.00		1171.00
FINAL FLOW	45.00	97.00	107.00
FINAL SHUT-IN	45.00		1146.00

FINAL HYDROSTATIC PRESSURE: 1613.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1644.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	69.00	71.00
INITIAL SHUT-IN	51.00		1183.00
FINAL FLOW	40.00	128.00	121.00
FINAL SHUT-IN	51.00		1150.00

FINAL HYDROSTATIC PRESSURE: 1619.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6-16-95	TICKET : 20790
CUSTOMER : THUNDERBIRD DRLG COMPANY	LEASE : SOLKO "B"
WELL : #1 TEST: 1	GEOLOGIST: AIKINS
ELEVATION: 2691 GR	FORMATION: OREAD
SECTION : 8	TOWNSHIP : 2
RANGE : 31W COUNTY: RAWLINS	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	69.00	69.00
5.00	63.00	-6.00
10.00	57.00	-6.00
15.00	57.00	0.00
20.00	57.00	0.00
25.00	57.00	0.00
30.00	62.00	5.00
35.00	66.00	4.00
40.00	69.00	3.00
45.00	71.00	2.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	147.00	147.00	0.00
6.00	373.00	226.00	0.00
9.00	772.00	399.00	0.00
12.00	917.00	145.00	0.00
15.00	991.00	74.00	0.00
18.00	1033.00	42.00	0.00
21.00	1062.00	29.00	0.00
24.00	1085.00	23.00	0.00
27.00	1104.00	19.00	0.00
30.00	1120.00	16.00	0.00
33.00	1132.00	12.00	0.00
36.00	1147.00	15.00	0.00
39.00	1160.00	13.00	0.00
42.00	1165.00	5.00	0.00
45.00	1172.00	7.00	0.00
48.00	1179.00	7.00	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>
51.00	1183.00	4.00	0.00

FINAL FLOW

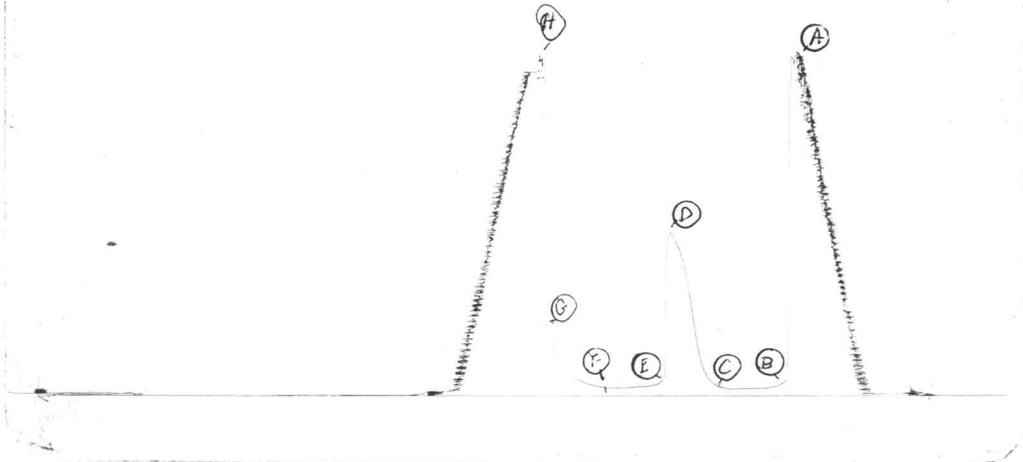
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	128.00	128.00
5.00	114.00	-14.00
10.00	109.00	-5.00
15.00	108.00	-1.00
20.00	108.00	0.00
25.00	108.00	0.00
30.00	113.00	5.00
35.00	116.00	3.00
40.00	121.00	5.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	213.00	213.00	0.00
6.00	494.00	281.00	0.00
9.00	736.00	242.00	0.00
12.00	895.00	159.00	0.00
15.00	967.00	72.00	0.00
18.00	1005.00	38.00	0.00
21.00	1035.00	30.00	0.00
24.00	1059.00	24.00	0.00
27.00	1072.00	13.00	0.00
30.00	1087.00	15.00	0.00
33.00	1101.00	14.00	0.00
36.00	1113.00	12.00	0.00
39.00	1122.00	9.00	0.00
42.00	1131.00	9.00	0.00
45.00	1140.00	9.00	0.00
48.00	1146.00	6.00	0.00
51.00	1150.00	4.00	0.00

Ticket # 20791
I

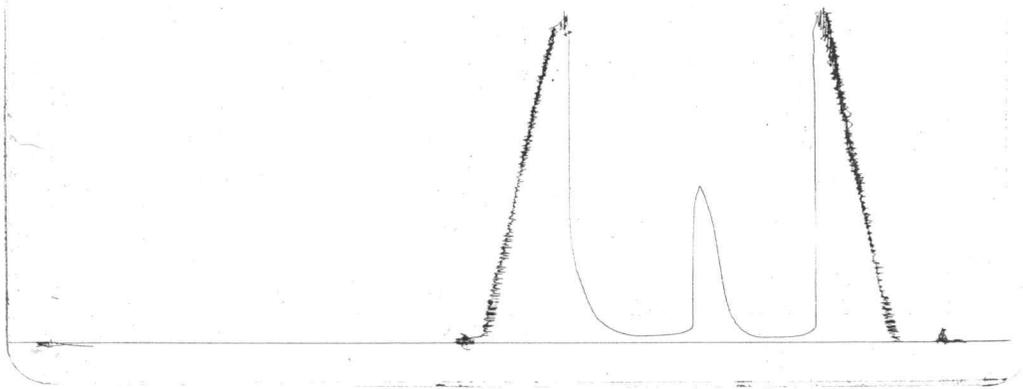
13760



Inside Recorder

Ticket # 20791
O

10330



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 6-17-95	TICKET : 20791
CUSTOMER : THUNDERBIRD DRLG COMPANY	LEASE : SOLKO "B"
WELL : #1 TEST: 2	GEOLOGIST: AIKINS
ELEVATION: 2691 GR	FORMATION: LOWER KANSAS CITY A
SECTION : 8	TOWNSHIP : 2
RANGE : 31W COUNTY: RAWLINS	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3606.00 ft	TO: 3650.00 ft	TVD: 3650.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 3609.0 ft	3612.0 ft	
TEMPERATURE: 109.0		

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 504.0 ft	I.D.:	3.200 in
DRILL PIPE LENGTH : 3082.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 44.0 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: 3601.0 ft	SIZE:	6.750 in
PACKER DEPTH: 3606.0 ft	SIZE:	6.750 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8	
MUD TYPE : CHEMICAL	VISCOSITY : 46.00 cp
WEIGHT : 8.600 ppg	WATER LOSS: 8.800 cc
CHLORIDES : 1800 ppm	
JARS-MAKE :	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW-1/2 INCH IN WATER.
 FINAL FLOW PERIOD-1/2 INCH IN WATER.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
	Oil	Gas	Water	Mud	
2.0	100.0	0.0	0.0	0.0	OIL
30.0	10.0	0.0	0.0	90.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0497	STB	TOTAL FLOW TIME:	95.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	4.8247	STB/D
MUD VOLUME:	0.2686	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.3183	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1701.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	39.00	39.00
INITIAL SHUT-IN	45.00		828.00
FINAL FLOW	45.00	49.00	49.00
FINAL SHUT-IN	45.00		371.00

FINAL HYDROSTATIC PRESSURE: 1662.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1706.00

Description	Duration	p1	p End
INITIAL FLOW	50.00	78.00	48.00
INITIAL SHUT-IN	39.00		833.00
FINAL FLOW	45.00	83.00	45.00
FINAL SHUT-IN	45.00		351.00

FINAL HYDROSTATIC PRESSURE: 1654.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6-17-95	TICKET : 20791
CUSTOMER : THUNDERBIRD DRLG COMPANY	LEASE : SOLKO "B"
WELL : #1 TEST: 2	GEOLOGIST: AIKINS
ELEVATION: 2691 GR	FORMATION: LOWER KANSAS CITY A
SECTION : 8	TOWNSHIP : 2
RANGE : 31W COUNTY: RAWLINS	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	78.00	78.00
5.00	63.00	-15.00
10.00	49.00	-14.00
15.00	43.00	-6.00
20.00	43.00	0.00
25.00	43.00	0.00
30.00	43.00	0.00
35.00	43.00	0.00
40.00	43.00	0.00
45.00	43.00	0.00
50.00	48.00	5.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	58.00	58.00	17.67
6.00	75.00	17.00	9.33
9.00	99.00	24.00	6.56
12.00	133.00	34.00	5.17
15.00	198.00	65.00	4.33
18.00	278.00	80.00	3.78
21.00	386.00	108.00	3.38
24.00	516.00	130.00	3.08
27.00	615.00	99.00	2.85
30.00	689.00	74.00	2.67
33.00	756.00	67.00	2.52
36.00	788.00	32.00	2.39
39.00	833.00	45.00	2.28

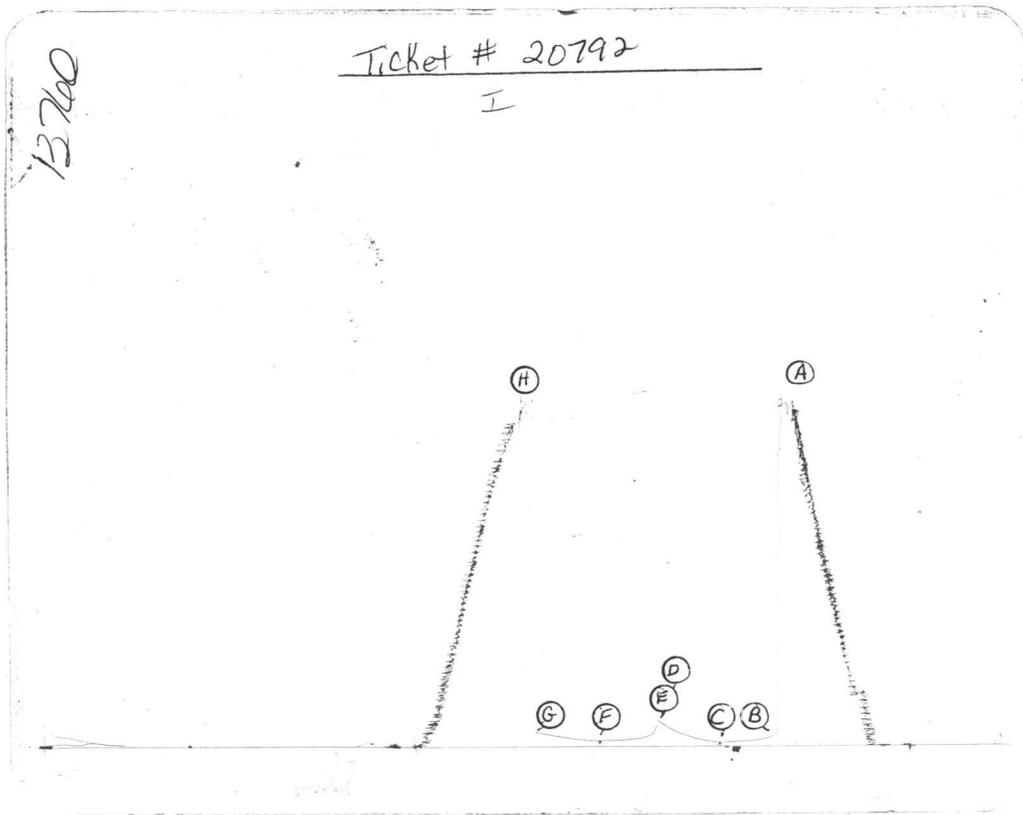
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

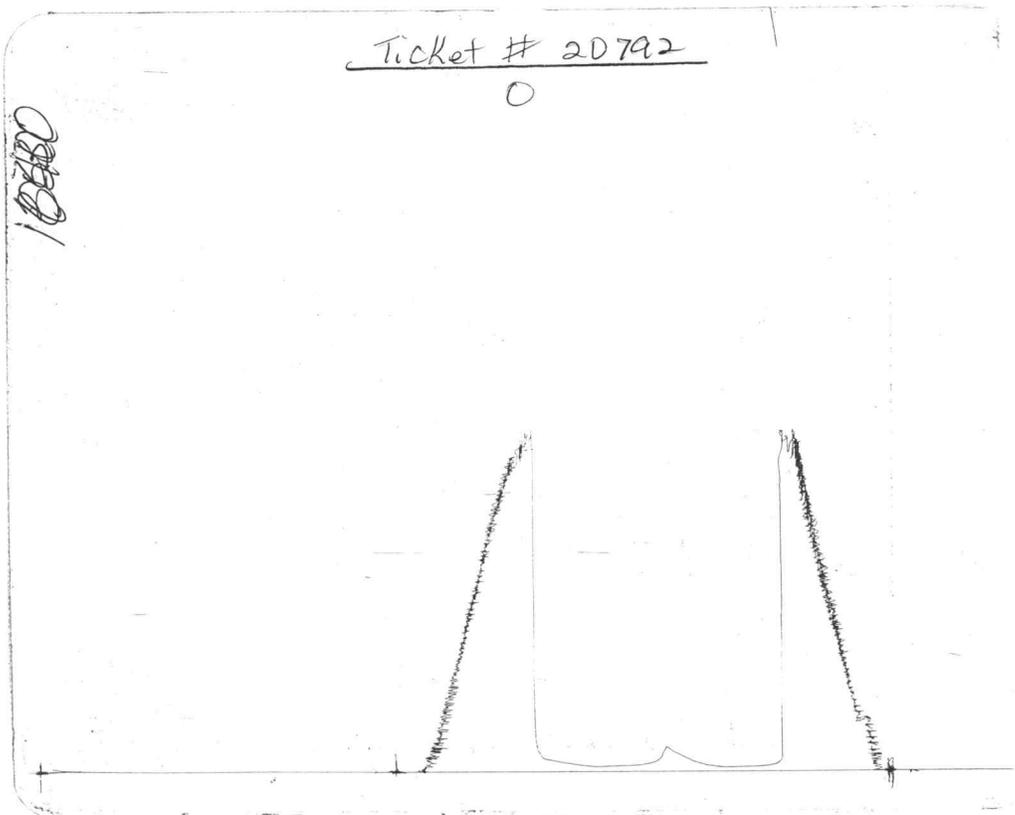
Time (min)	Pressure	Delta P
0.00	83.00	83.00
5.00	61.00	-22.00
10.00	53.00	-8.00
15.00	49.00	-4.00
20.00	47.00	-2.00
25.00	45.00	-2.00
30.00	45.00	0.00
35.00	45.00	0.00
40.00	45.00	0.00
45.00	45.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	48.00	48.00	16.00
6.00	53.00	5.00	8.50
9.00	59.00	6.00	6.00
12.00	63.00	4.00	4.75
15.00	70.00	7.00	4.00
18.00	79.00	9.00	3.50
21.00	89.00	10.00	3.14
24.00	101.00	12.00	2.88
27.00	118.00	17.00	2.67
30.00	134.00	16.00	2.50
33.00	160.00	26.00	2.36
36.00	187.00	27.00	2.25
39.00	229.00	42.00	2.15
42.00	279.00	50.00	2.07
45.00	351.00	72.00	2.00



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 6-17-95
CUSTOMER : THUNDERBIRD DRLG COMPANY
WELL : #1 TEST: 3
ELEVATION: 2691 GR
SECTION : 8
RANGE : 31W COUNTY: RAWLINS
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20792
LEASE : SOLKO "B"
GEOLOGIST: AIKINS
FORMATION: LOWER KANSAS CITY D
TOWNSHIP : 2
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3650.00 ft TO: 3691.00 ft TVD: 3691.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3653.0 ft 3656.0 ft
TEMPERATURE: 100.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 504.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 3126.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 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: 3645.0 ft SIZE: 6.750 in
PACKER DEPTH: 3650.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8
MUD TYPE : CHEMICAL
WEIGHT : 8.900 ppg
CHLORIDES : 2000 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 46.00 cp
WATER LOSS: 8.800 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK STEADY BLOW 1/2 INCH IN
WATER. FINAL FLOW PERIOD-WEAK 1/2 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	100.0	0.0	0.0	0.0	OIL
30.0	30.0	0.0	0.0	70.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.1393 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	5.5701 STB/D
MUD VOLUME:	0.2089 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.3481 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1731.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	29.00	29.00
INITIAL SHUT-IN	45.00		126.00
FINAL FLOW	45.00	29.00	29.00
FINAL SHUT-IN	45.00		78.00

FINAL HYDROSTATIC PRESSURE: 1711.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1734.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	65.00	22.00
INITIAL SHUT-IN	45.00		130.00
FINAL FLOW	45.00	64.00	35.00
FINAL SHUT-IN	45.00		76.00

FINAL HYDROSTATIC PRESSURE: 1696.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 6-17-95	TICKET	: 20792
CUSTOMER	: THUNDERBIRD DRLG COMPANY	LEASE	: SOLKO "B"
WELL	: #1	TEST:	3
ELEVATION:	2691 GR	GEOLOGIST:	AIKINS
SECTION	: 8	FORMATION:	LOWER KANSAS CITY D
RANGE	: 31W	TOWNSHIP	: 2
GAUGE SN#:	13760	STATE	: KS
		CLOCK	: 12
		COUNTY:	RAWLINS
		RANGE	: 3950

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	65.00	65.00
5.00	46.00	-19.00
10.00	37.00	-9.00
15.00	30.00	-7.00
20.00	28.00	-2.00
25.00	27.00	-1.00
30.00	27.00	0.00
35.00	22.00	-5.00
40.00	22.00	0.00
45.00	22.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	25.00	25.00	16.00
6.00	29.00	4.00	8.50
9.00	31.00	2.00	6.00
12.00	37.00	6.00	4.75
15.00	41.00	4.00	4.00
18.00	48.00	7.00	3.50
21.00	54.00	6.00	3.14
24.00	61.00	7.00	2.88
27.00	68.00	7.00	2.67
30.00	75.00	7.00	2.50
33.00	84.00	9.00	2.36
36.00	97.00	13.00	2.25
39.00	109.00	12.00	2.15
42.00	122.00	13.00	2.07
45.00	130.00	8.00	2.00

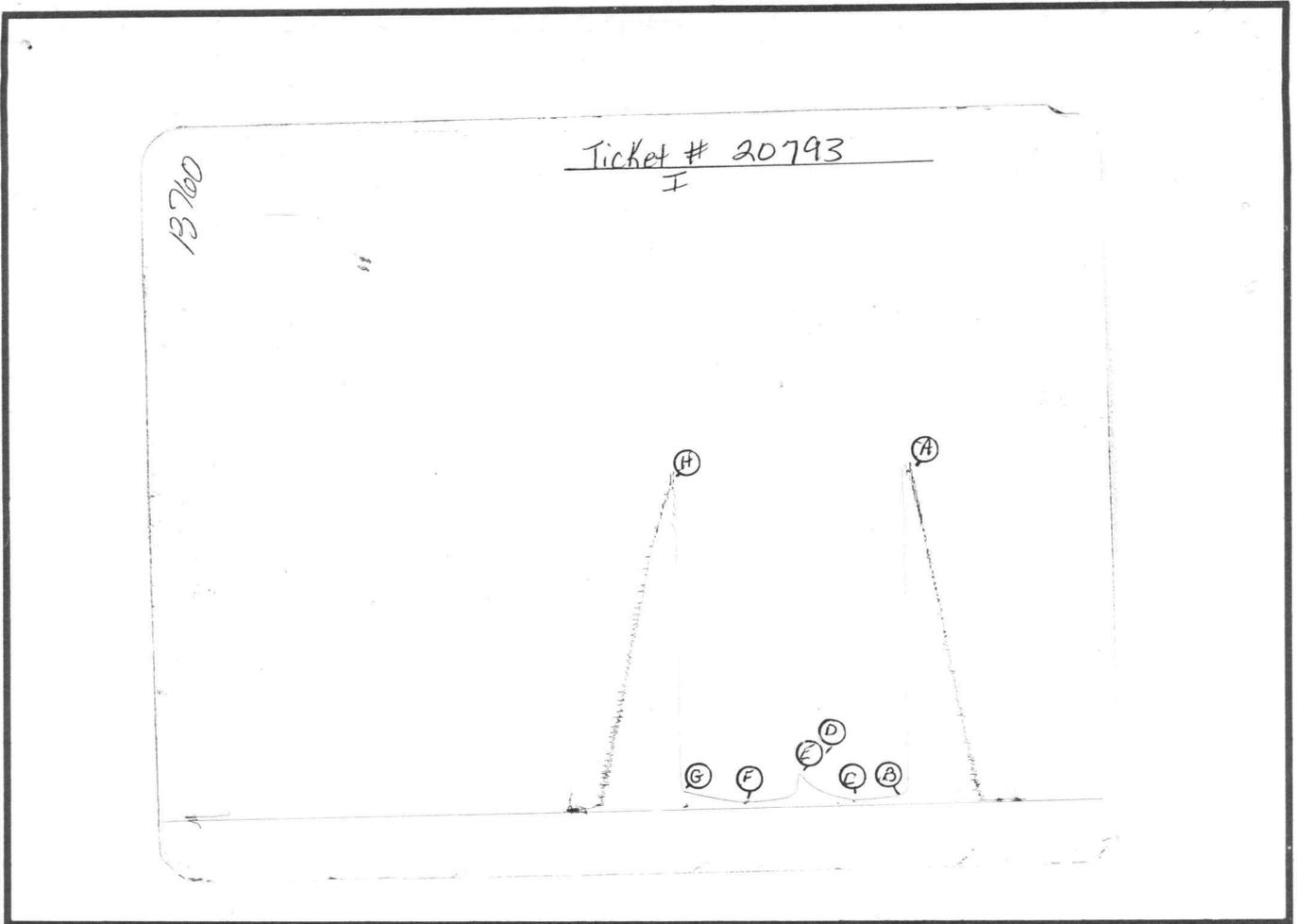
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

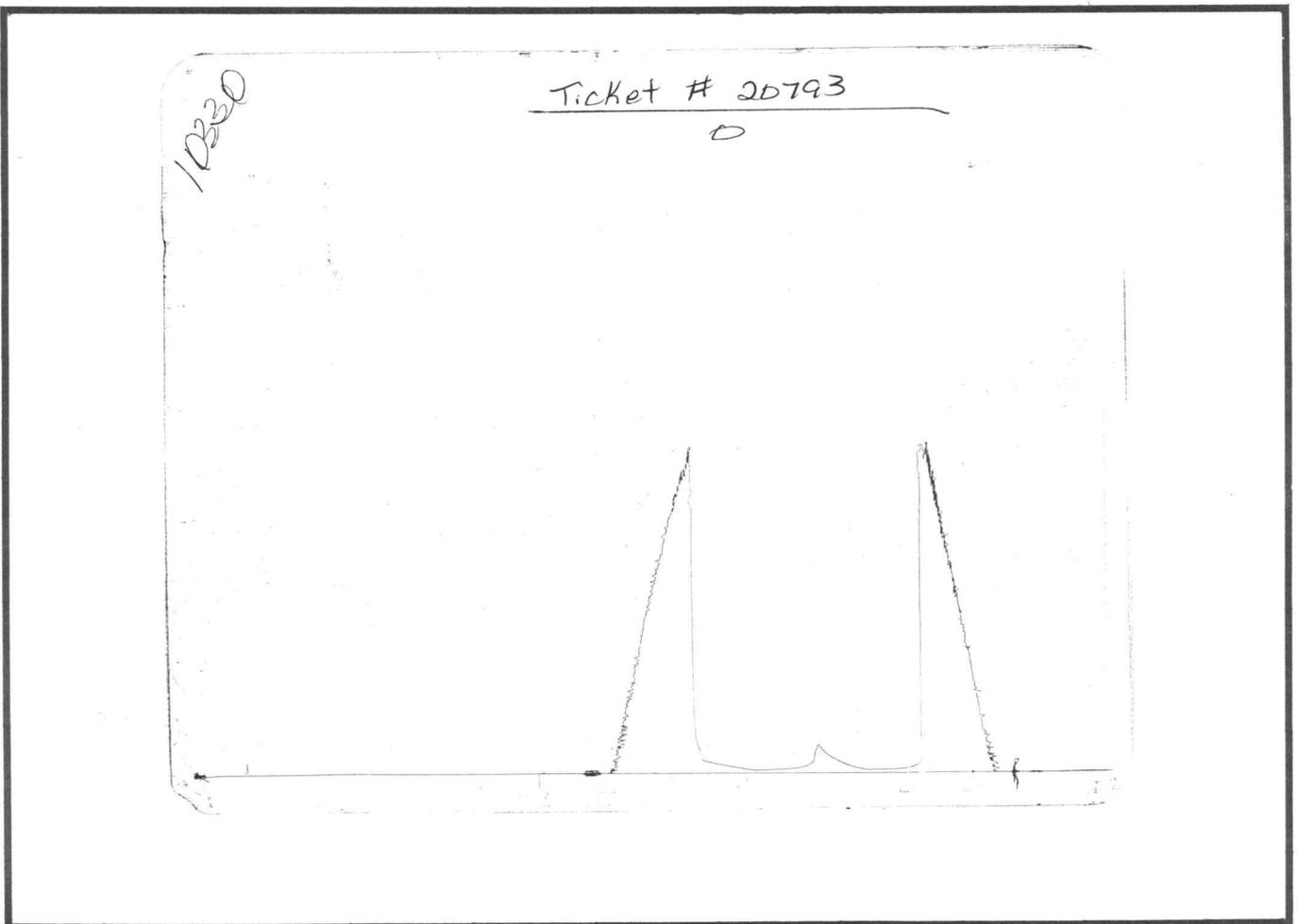
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	64.00	64.00
5.00	56.00	-8.00
10.00	45.00	-11.00
15.00	40.00	-5.00
20.00	37.00	-3.00
25.00	37.00	0.00
30.00	37.00	0.00
35.00	35.00	-2.00
40.00	35.00	0.00
45.00	35.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	31.00	31.00	16.00
6.00	34.00	3.00	8.50
9.00	35.00	1.00	6.00
12.00	35.00	0.00	4.75
15.00	40.00	5.00	4.00
18.00	42.00	2.00	3.50
21.00	45.00	3.00	3.14
24.00	49.00	4.00	2.88
27.00	51.00	2.00	2.67
30.00	55.00	4.00	2.50
33.00	59.00	4.00	2.36
36.00	63.00	4.00	2.25
39.00	68.00	5.00	2.15
42.00	71.00	3.00	2.07
45.00	76.00	5.00	2.00



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 6-18-95 TICKET : 20793
CUSTOMER : THUNDERBIRD DRLG COMPANY LEASE : SOLKO "B"
WELL : #1 TEST: 4 GEOLOGIST: AIKINS
ELEVATION: 2691 GR FORMATION: L KANSAS CITY G&H
SECTION : 8 TOWNSHIP : 2
RANGE : 31W COUNTY: RAWLINS STATE : KS
GAUGE SN#: 13760 RANGE : 3950 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3695.00 ft TO: 3780.00 ft TVD: 3780.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3698.0 ft 3701.0 ft
TEMPERATURE: 106.0

DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 504.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 3171.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 85.0 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: 3690.0 ft SIZE: 6.750 in
PACKER DEPTH: 3695.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8
MUD TYPE : CHEMICAL VISCOSITY : 46.00 cp
WEIGHT : 8.900 ppg WATER LOSS: 8.800 cc
CHLORIDES : 2000 ppm
JARS-MAKE : SERIAL NUMBER:
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK DECREASING BLOW-1/2 TO
1/4 INCH. FINAL FLOW PERIOD-NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
Oil	Gas	Water	Mud		
30.0	12.0	0.0	0.0	88.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0358	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	4.7744	STB/D
MUD VOLUME:	0.2626	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.2984	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1809.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	34.00	34.00
INITIAL SHUT-IN	45.00		125.00
FINAL FLOW	45.00	34.00	34.00
FINAL SHUT-IN	45.00		87.00

FINAL HYDROSTATIC PRESSURE: 1760.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1790.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	74.00	34.00
INITIAL SHUT-IN	42.00		179.00
FINAL FLOW	45.00	81.00	38.00
FINAL SHUT-IN	45.00		102.00

FINAL HYDROSTATIC PRESSURE: 1743.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6-18-95	TICKET : 20793
CUSTOMER : THUNDERBIRD DRLG COMPANY	LEASE : SOLKO "B"
WELL : #1	TEST: 4
ELEVATION: 2691 GR	GEOLOGIST: AIKINS
SECTION : 8	FORMATION: L KANSAS CITY G&H
RANGE : 31W	TOWNSHIP : 2
COUNTY: RAWLINS	STATE : KS
GAUGE SN#: 13760	RANGE : 3950
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	74.00	74.00
5.00	55.00	-19.00
10.00	44.00	-11.00
15.00	41.00	-3.00
20.00	39.00	-2.00
25.00	37.00	-2.00
30.00	34.00	-3.00
35.00	34.00	0.00
40.00	34.00	0.00
45.00	34.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	38.00	38.00	16.00
6.00	42.00	4.00	8.50
9.00	46.00	4.00	6.00
12.00	53.00	7.00	4.75
15.00	57.00	4.00	4.00
18.00	65.00	8.00	3.50
21.00	71.00	6.00	3.14
24.00	80.00	9.00	2.88
27.00	91.00	11.00	2.67
30.00	106.00	15.00	2.50
33.00	119.00	13.00	2.36
36.00	136.00	17.00	2.25
39.00	158.00	22.00	2.15
42.00	179.00	21.00	2.07

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

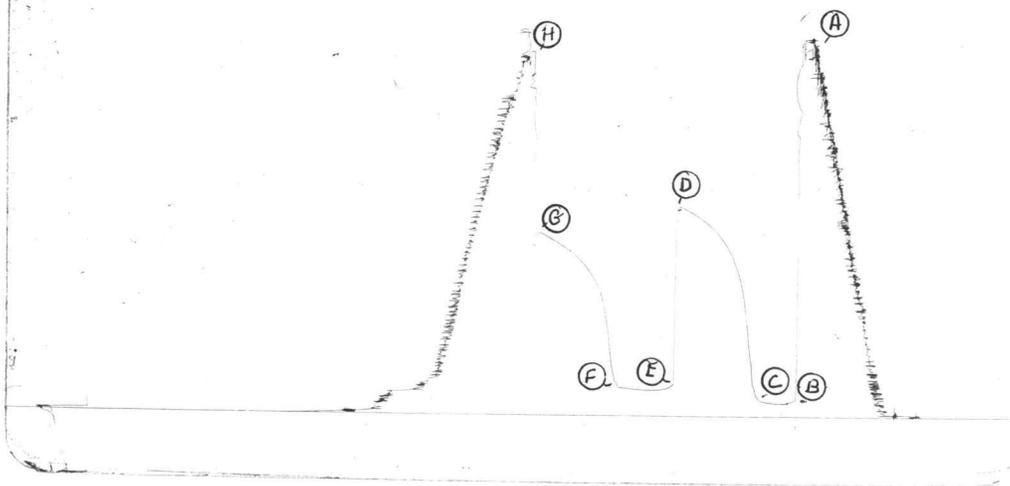
Time (min)	Pressure	Delta P
0.00	81.00	81.00
5.00	64.00	-17.00
10.00	49.00	-15.00
15.00	44.00	-5.00
20.00	41.00	-3.00
25.00	39.00	-2.00
30.00	38.00	-1.00
35.00	38.00	0.00
40.00	38.00	0.00
45.00	38.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	39.00	39.00	16.00
6.00	41.00	2.00	8.50
9.00	44.00	3.00	6.00
12.00	47.00	3.00	4.75
15.00	50.00	3.00	4.00
18.00	56.00	6.00	3.50
21.00	61.00	5.00	3.14
24.00	66.00	5.00	2.88
27.00	70.00	4.00	2.67
30.00	75.00	5.00	2.50
33.00	78.00	3.00	2.36
36.00	84.00	6.00	2.25
39.00	90.00	6.00	2.15
42.00	95.00	5.00	2.07
45.00	102.00	7.00	2.00

Ticket # 20794
7

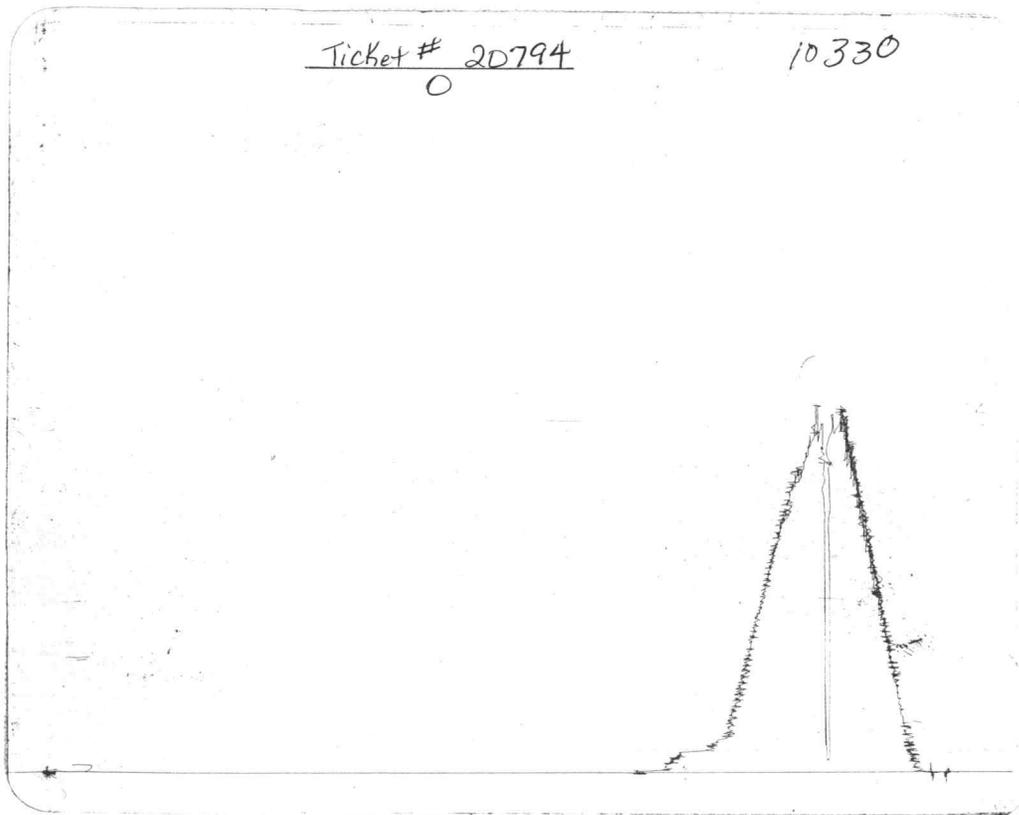
13760



Inside Recorder

Ticket # 20794
0

10330



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 6-18-95
CUSTOMER : THUNDERBIRD DRLG COMPANY
WELL : #1 TEST: 5
ELEVATION: 2691 GR
SECTION : 8
RANGE : 31W COUNTY: RAWLINS
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20794
LEASE : SOLKO "B"
GEOLOGIST: AIKINS
FORMATION: L KANSAS CITY J
TOWNSHIP : 2
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3780.00 ft TO: 3830.00 ft TVD: 3830.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3783.0 ft 3786.0 ft
TEMPERATURE: 107.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 504.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 3256.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 50.0 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: 3775.0 ft SIZE: 6.750 in
PACKER DEPTH: 3780.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8
MUD TYPE : CHEMICAL VISCOSITY : 47.00 cp
WEIGHT : 8.900 ppg WATER LOSS: 9.600 cc
CHLORIDES : 2200 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW-BOTTOM OF BUCKET
IN 19 MINUTES. FINAL FLOW PERIOD-STRONG BLOW-
BOTTOM OF BUCKET IN 14 MINUTES.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

CLOCK ON OUTSIDE RECORDER STOPPED.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	360FT GAS ABOVE FLUID
196.0	100.0	0.0	0.0	0.0	OIL 39 GRAVITY CORRECTED
0.0	0.0	0.0	0.0	0.0	TO 60 DEGREES
124.0	25.0	0.0	0.0	75.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	2.2579	STB	TOTAL FLOW TIME:	65.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	70.5142	STB/D
MUD VOLUME:	0.9250	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	3.1829	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1858.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	58.00
INITIAL SHUT-IN	60.00		1053.00
FINAL FLOW	45.00	126.00	126.00
FINAL SHUT-IN	60.00		926.00

FINAL HYDROSTATIC PRESSURE: 1839.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1861.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	77.00	76.00
INITIAL SHUT-IN	63.00		1063.00
FINAL FLOW	40.00	153.00	148.00
FINAL SHUT-IN	63.00		932.00

FINAL HYDROSTATIC PRESSURE: 1843.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6-18-95	TICKET : 20794
CUSTOMER : THUNDERBIRD DRLG COMPANY	LEASE : SOLKO "B"
WELL : #1 TEST: 5	GEOLOGIST: AIKINS
ELEVATION: 2691 GR	FORMATION: L KANSAS CITY J
SECTION : 8	TOWNSHIP : 2
RANGE : 31W COUNTY: RAWLINS	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	77.00	77.00
5.00	74.00	-3.00
10.00	65.00	-9.00
15.00	67.00	2.00
20.00	70.00	3.00
25.00	76.00	6.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	118.00	118.00	9.33
6.00	207.00	89.00	5.17
9.00	329.00	122.00	3.78
12.00	469.00	140.00	3.08
15.00	636.00	167.00	2.67
18.00	738.00	102.00	2.39
21.00	774.00	36.00	2.19
24.00	809.00	35.00	2.04
27.00	849.00	40.00	1.93
30.00	885.00	36.00	1.83
33.00	915.00	30.00	1.76
36.00	936.00	21.00	1.69
39.00	958.00	22.00	1.64
42.00	971.00	13.00	1.60
45.00	989.00	18.00	1.56
48.00	1003.00	14.00	1.52
51.00	1018.00	15.00	1.49
54.00	1030.00	12.00	1.46
57.00	1041.00	11.00	1.44
60.00	1054.00	13.00	1.42

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
63.00	1063.00	9.00	1.40

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	153.00	153.00
5.00	139.00	-14.00
10.00	134.00	-5.00
15.00	134.00	0.00
20.00	134.00	0.00
25.00	134.00	0.00
30.00	138.00	4.00
35.00	143.00	5.00
40.00	148.00	5.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	221.00	221.00	14.33
6.00	328.00	107.00	7.67
9.00	452.00	124.00	5.44
12.00	554.00	102.00	4.33
15.00	624.00	70.00	3.67
18.00	643.00	19.00	3.22
21.00	708.00	65.00	2.90
24.00	736.00	28.00	2.67
27.00	762.00	26.00	2.48
30.00	785.00	23.00	2.33
33.00	806.00	21.00	2.21
36.00	822.00	16.00	2.11
39.00	841.00	19.00	2.03
42.00	853.00	12.00	1.95
45.00	869.00	16.00	1.89
48.00	883.00	14.00	1.83
51.00	894.00	11.00	1.78
54.00	906.00	12.00	1.74
57.00	918.00	12.00	1.70
60.00	929.00	11.00	1.67

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
63.00	932.00	3.00	1.63