

DST REPORT

GENERAL INFORMATION

DATE : 8-2-95
CUSTOMER : RAYMOND OIL COMPANY
WELL : #1 TEST: 1
ELEVATION: 1851 KB
SECTION : 32
RANGE : 11W COUNTY: STAFFORD
GAUGE SN#: 1051 RANGE : 4250

TICKET : 21016
LEASE : RUNDELL "F"
GEOLOGIST: HELLMAN
FORMATION: MISSISSIPPI
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3935.00 ft TO: 3995.00 ft TVD: 3995.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3957.0 ft 3960.0 ft
TEMPERATURE: 118.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3913.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	22.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	60.0 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:	3930.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3935.0 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. : DUKE DRILLING #2
MUD TYPE : CHEMICAL
WEIGHT : 8.000 ppg
CHLORIDES : 4000 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 47.00 cp
WATER LOSS: 10.400 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW IN 2 MINUTES.
FINAL FLOW PERIOD-STRONG BLOW. NO GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	1115FT GAS ABOVE FLUID
15.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.2104	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.2104	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1867.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	53.00	53.00
INITIAL SHUT-IN	60.00		53.00
FINAL FLOW	45.00	53.00	53.00
FINAL SHUT-IN	90.00		430.00

FINAL HYDROSTATIC PRESSURE: 1867.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1870.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	72.00	66.00
INITIAL SHUT-IN	60.00		65.00
FINAL FLOW	45.00	64.00	64.00
FINAL SHUT-IN	90.00		423.00

FINAL HYDROSTATIC PRESSURE: 1835.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8-2-95	TICKET : 21016
CUSTOMER : RAYMOND OIL COMPANY	LEASE : RUNDELL "F"
WELL : #1 TEST: 1	GEOLOGIST: HELLMAN
ELEVATION: 1851 KB	FORMATION: MISSISSIPPI
SECTION : 32	TOWNSHIP : 25S
RANGE : 11W COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	72.00	72.00
5.00	72.00	0.00
10.00	66.00	-6.00
15.00	66.00	0.00
20.00	66.00	0.00
25.00	66.00	0.00
30.00	66.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	66.00	66.00	0.00
6.00	66.00	0.00	0.00
9.00	66.00	0.00	0.00
12.00	66.00	0.00	0.00
15.00	66.00	0.00	0.00
18.00	66.00	0.00	0.00
21.00	66.00	0.00	0.00
24.00	66.00	0.00	0.00
27.00	66.00	0.00	0.00
30.00	66.00	0.00	0.00
33.00	66.00	0.00	0.00
36.00	66.00	0.00	0.00
39.00	66.00	0.00	0.00
42.00	66.00	0.00	0.00
45.00	66.00	0.00	0.00
48.00	66.00	0.00	0.00
51.00	65.00	-1.00	0.00
54.00	65.00	0.00	0.00
57.00	65.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	65.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	64.00	64.00
5.00	64.00	0.00
10.00	64.00	0.00
15.00	64.00	0.00
20.00	64.00	0.00
25.00	64.00	0.00
30.00	64.00	0.00
35.00	64.00	0.00
40.00	64.00	0.00
45.00	64.00	0.00

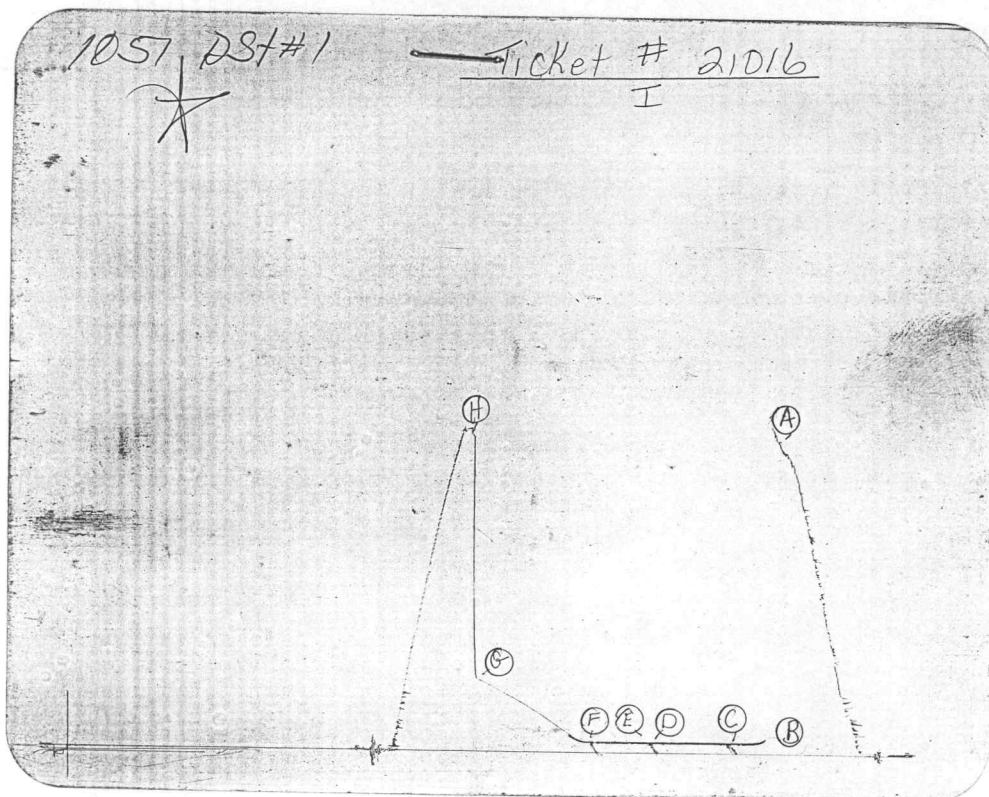
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	64.00	64.00	0.00
6.00	68.00	4.00	0.00
9.00	75.00	7.00	0.00
12.00	83.00	8.00	0.00
15.00	97.00	14.00	0.00
18.00	115.00	18.00	0.00
21.00	129.00	14.00	0.00
24.00	139.00	10.00	0.00
27.00	160.00	21.00	0.00
30.00	176.00	16.00	0.00
33.00	192.00	16.00	0.00
36.00	205.00	13.00	0.00
39.00	222.00	17.00	0.00
42.00	234.00	12.00	0.00
45.00	247.00	13.00	0.00
48.00	263.00	16.00	0.00
51.00	276.00	13.00	0.00
54.00	291.00	15.00	0.00
57.00	301.00	10.00	0.00

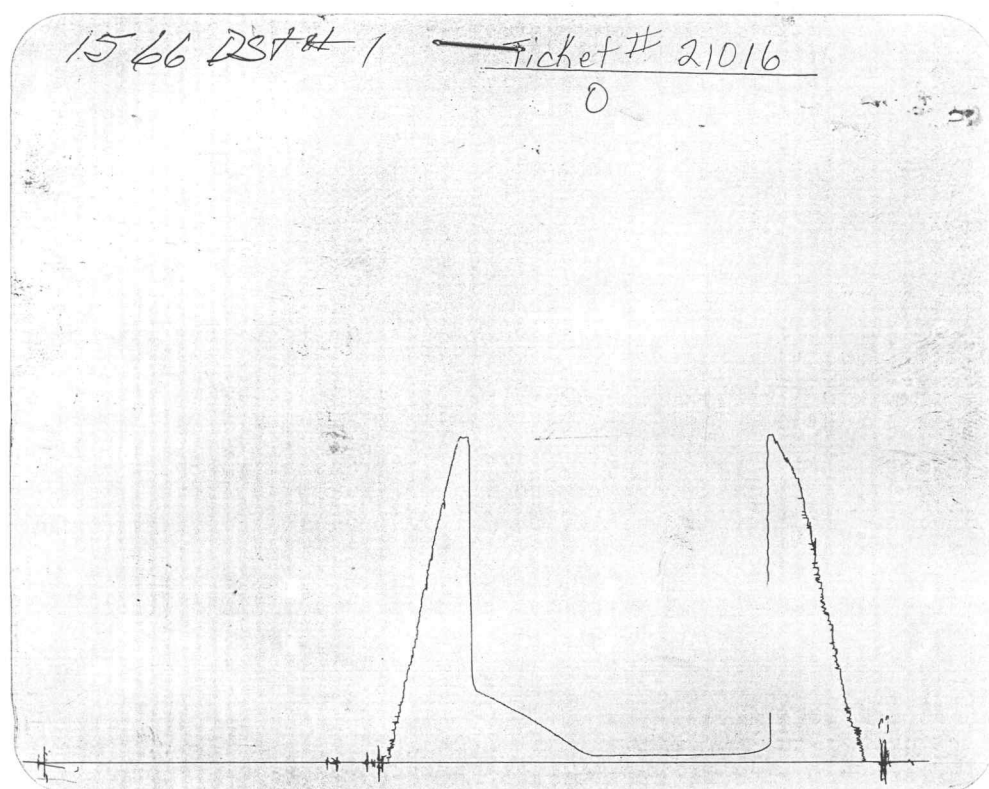
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	315.00	14.00	0.00
63.00	326.00	11.00	0.00
66.00	337.00	11.00	0.00
69.00	348.00	11.00	0.00
72.00	361.00	13.00	0.00
75.00	373.00	12.00	0.00
78.00	386.00	13.00	0.00
81.00	395.00	9.00	0.00
84.00	409.00	14.00	0.00
87.00	417.00	8.00	0.00
90.00	423.00	6.00	0.00



Inside Recorder



Outside Recorder

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8-3-95	TICKET : 21017
CUSTOMER : RAYMOND OIL COMPANY	LEASE : RUNDELL "F"
WELL : #1	GEOLOGIST: HELLMAN
ELEVATION: 1851 KB	FORMATION: VIOLA
SECTION : 32	TOWNSHIP : 25S
RANGE : 11W	STATE : KS
GAUGE SN#: 1051	CLOCK : 12
COUNTY: STAFFORD	
RANGE : 4250	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	102.00	102.00
5.00	95.00	-7.00
10.00	82.00	-13.00
15.00	73.00	-9.00
20.00	68.00	-5.00
25.00	66.00	-2.00
30.00	65.00	-1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	64.00	64.00	0.00
6.00	64.00	0.00	0.00
9.00	64.00	0.00	0.00
12.00	64.00	0.00	0.00
15.00	64.00	0.00	0.00
18.00	64.00	0.00	0.00
21.00	63.00	-1.00	0.00
24.00	63.00	0.00	0.00
27.00	62.00	-1.00	0.00
30.00	61.00	-1.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	61.00	61.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	60.00	-1.00
10.00	60.00	0.00
15.00	60.00	0.00
20.00	60.00	0.00
25.00	60.00	0.00
30.00	60.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	60.00	60.00	0.00
6.00	60.00	0.00	0.00
9.00	60.00	0.00	0.00
12.00	60.00	0.00	0.00
15.00	60.00	0.00	0.00
18.00	60.00	0.00	0.00
21.00	60.00	0.00	0.00
24.00	72.00	12.00	0.00
27.00	104.00	32.00	0.00
30.00	111.00	7.00	0.00

DST REPORT

GENERAL INFORMATION

DATE : 8-3-95
CUSTOMER : RAYMOND OIL COMPANY
WELL : #1 TEST: 2
ELEVATION: 1851 KB
SECTION : 32
RANGE : 11W COUNTY: STAFFORD
GAUGE SN#: 1051 RANGE : 4250

TICKET : 21017
LEASE : RUNDELL "F"
GEOLOGIST: HELLMAN
FORMATION: VIOLA
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4006.00 ft TO: 4110.00 ft TVD: 4110.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4028.0 ft 4031.0 ft
TEMPERATURE: 121.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3984.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	22.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	104.0 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:	4001.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4006.0 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. : DUKE DRILLING #2
MUD TYPE : CHEMICAL
WEIGHT : 8.900 ppg
CHLORIDES : 5500 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 43.00 cp
WATER LOSS: 11.600 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-VERY WEAK SURFACE BLOW FOR 15
MINUTES & DIED. FINAL FLOW PERIOD-VERY WEAK
SURFACE BLOW FOR 8 MINUTES & DIED.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
15.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.2104	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.2104	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1900.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	30.00		86.00
FINAL FLOW	30.00	86.00	86.00
FINAL SHUT-IN	30.00		86.00

FINAL HYDROSTATIC PRESSURE: 1900.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1925.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	102.00	65.00
INITIAL SHUT-IN	30.00		61.00
FINAL FLOW	30.00	61.00	60.00
FINAL SHUT-IN	30.00		111.00

FINAL HYDROSTATIC PRESSURE: 1906.00

PRESSURE TRANSIENT REPORT (CONTINUED)

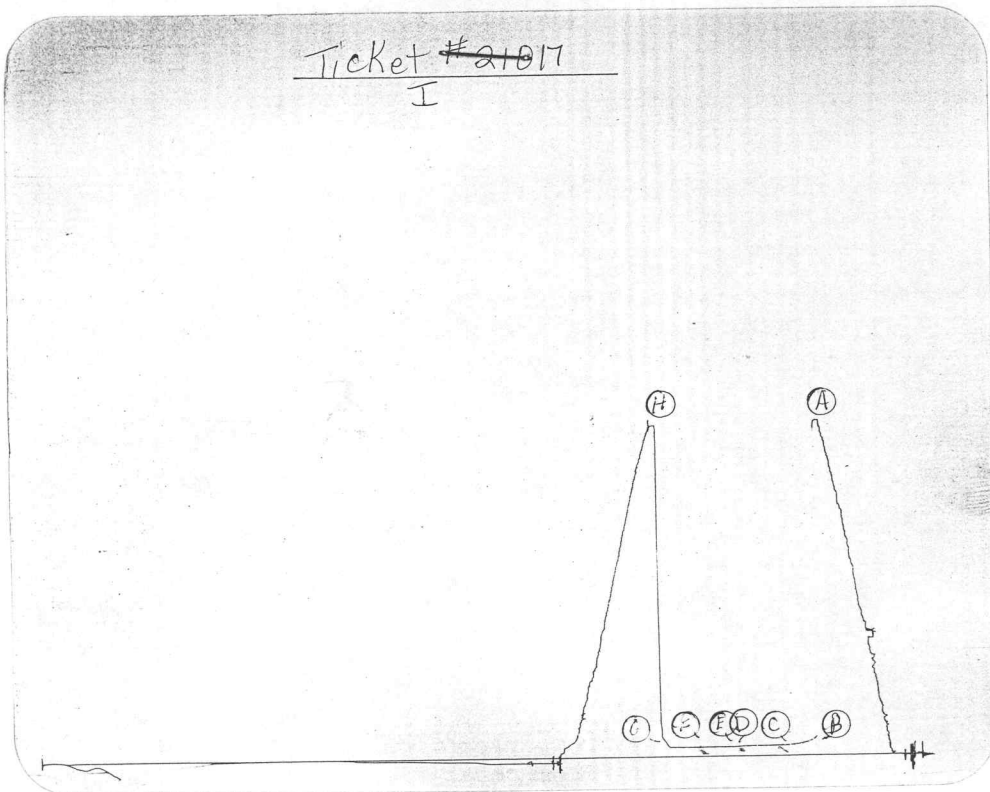
FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	60.00	-1.00
10.00	60.00	0.00
15.00	60.00	0.00
20.00	60.00	0.00
25.00	60.00	0.00
30.00	60.00	0.00

FINAL SHUT IN

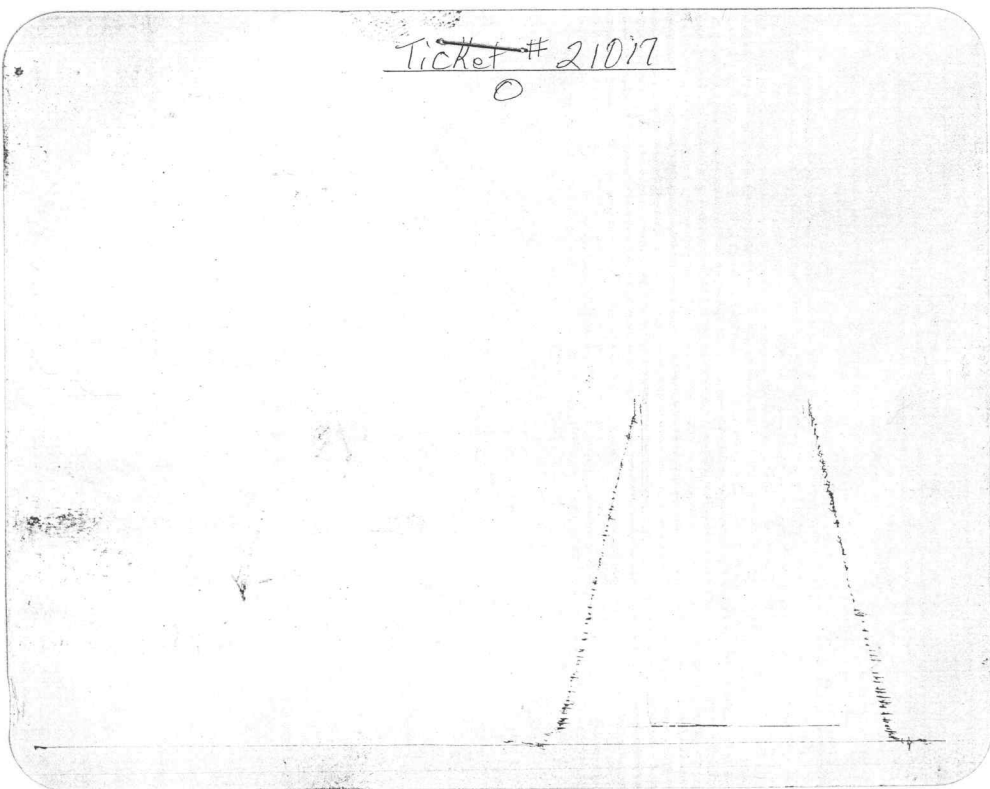
Time (min)	Pressure	Delta P	Horner T
3.00	60.00	60.00	0.00
6.00	60.00	0.00	0.00
9.00	60.00	0.00	0.00
12.00	60.00	0.00	0.00
15.00	60.00	0.00	0.00
18.00	60.00	0.00	0.00
21.00	60.00	0.00	0.00
24.00	72.00	12.00	0.00
27.00	104.00	32.00	0.00
30.00	111.00	7.00	0.00

Ticket #21017
I



Inside Recorder

Ticket #21017
O



Outside Recorder