

DST REPORT

GENERAL INFORMATION

DATE : 7-29-95  
CUSTOMER : RAYMOND OIL COMPANY  
WELL : #1 TEST: 1  
ELEVATION: 3263 GR  
SECTION : 32  
RANGE : 35W COUNTY: RAWLINS  
GAUGE SN#: 13266 RANGE : 4000  
TICKET : 21435  
LEASE : KLETCHKA "A"  
GEOLOGIST: SANDBERG  
FORMATION: L. KANSAS CITY '50'  
TOWNSHIP : 1  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4214.00 ft TO: 4262.00 ft TVD: 4262.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4204.0 ft 4207.0 ft  
TEMPERATURE: 140.0  
DRILL COLLAR LENGTH: 349.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 3845.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 48.0 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: 4209.0 ft SIZE: 6.750 in  
PACKER DEPTH: 4214.0 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. : MURFIN #8  
MUD TYPE : CHEMICAL VISCOSITY : 52.00 cp  
WEIGHT : 9.400 ppg WATER LOSS: 9.400 cc  
CHLORIDES : 550 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW-DIED IN 15 MINUTES.  
FINAL FLOW PERIOD-NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	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:	0.0246	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0246	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2219.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	50.00
INITIAL SHUT-IN	30.00		315.00
FINAL FLOW	30.00	50.00	50.00
FINAL SHUT-IN	30.00		101.00

FINAL HYDROSTATIC PRESSURE: 2209.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2241.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	74.00	57.00
INITIAL SHUT-IN	30.00		321.00
FINAL FLOW	30.00	79.00	56.00
FINAL SHUT-IN	27.00		98.00

FINAL HYDROSTATIC PRESSURE: 2183.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7-29-95	TICKET : 21435
CUSTOMER : RAYMOND OIL COMPANY	LEASE : KLETCHKA "A"
WELL : #1	TEST: 1
ELEVATION: 3263 GR	GEOLOGIST: SANDBERG
SECTION : 32	FORMATION: L. KANSAS CITY '50'
RANGE : 35W	TOWNSHIP : 1
COUNTY: RAWLINS	STATE : KS
GAUGE SN#: 13266	RANGE : 4000
	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	74.00	74.00
5.00	66.00	-8.00
10.00	59.00	-7.00
15.00	57.00	-2.00
20.00	57.00	0.00
25.00	57.00	0.00
30.00	57.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	57.00	57.00	0.00
6.00	59.00	2.00	0.00
9.00	63.00	4.00	0.00
12.00	71.00	8.00	0.00
15.00	88.00	17.00	0.00
18.00	121.00	33.00	0.00
21.00	165.00	44.00	0.00
24.00	221.00	56.00	0.00
27.00	282.00	61.00	0.00
30.00	321.00	39.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	79.00	79.00

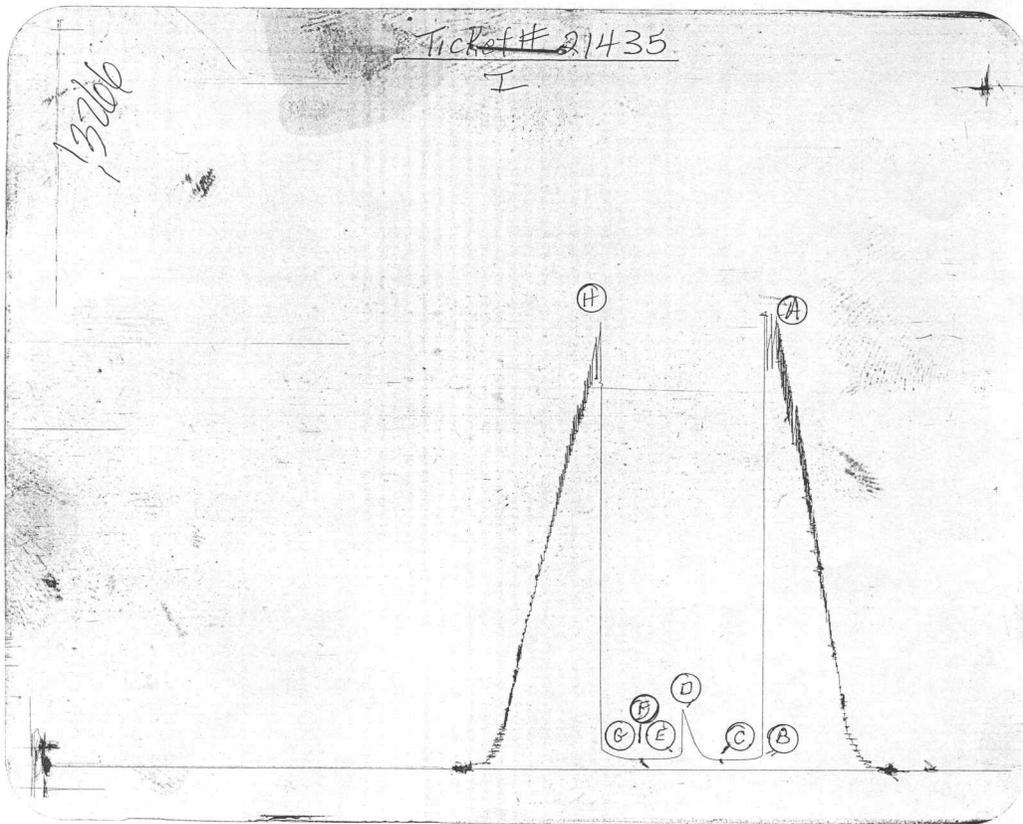
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

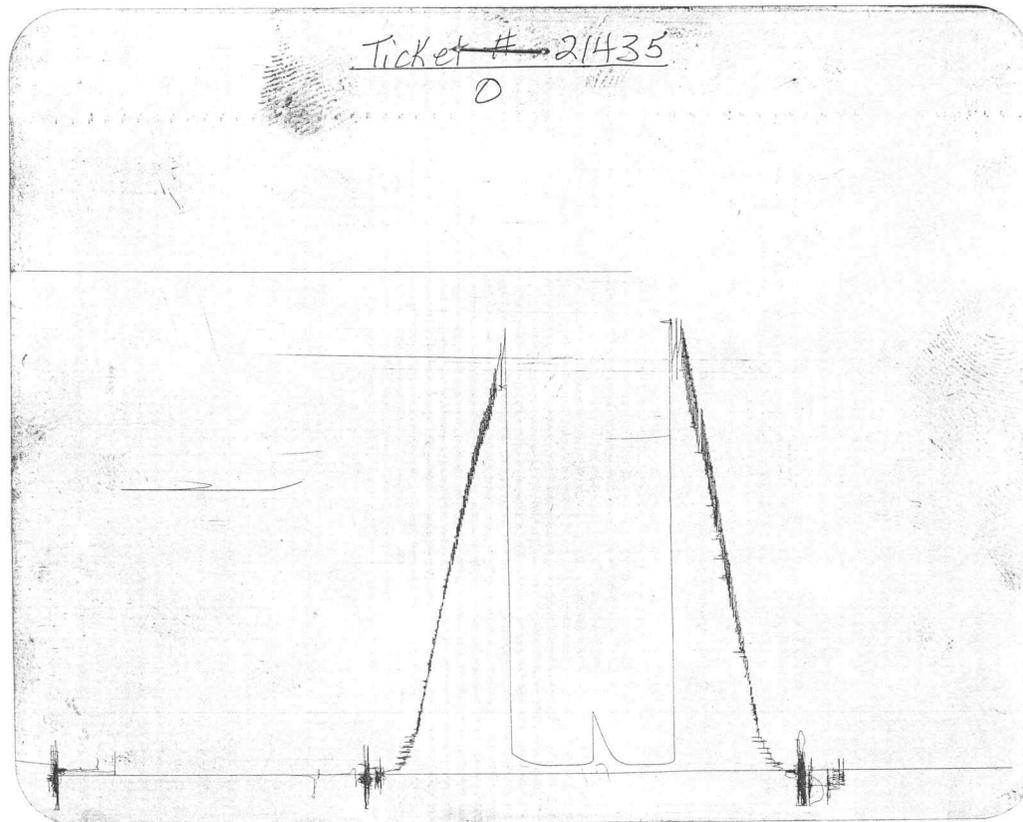
Time (min)	Pressure	Delta P
5.00	68.00	-11.00
10.00	60.00	-8.00
15.00	59.00	-1.00
20.00	59.00	0.00
25.00	59.00	0.00
30.00	56.00	-3.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	57.00	57.00	0.00
6.00	57.00	0.00	0.00
9.00	58.00	1.00	0.00
12.00	63.00	5.00	0.00
15.00	66.00	3.00	0.00
18.00	71.00	5.00	0.00
21.00	77.00	6.00	0.00
24.00	86.00	9.00	0.00
27.00	98.00	12.00	0.00



Inside Recorder



Outside Recorder

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
140.0	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:	0.6884	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.6884	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2159.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	71.00
INITIAL SHUT-IN	60.00		568.00
FINAL FLOW	30.00	91.00	91.00
FINAL SHUT-IN	30.00		111.00

FINAL HYDROSTATIC PRESSURE: 2149.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2167.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	60.00	93.00
INITIAL SHUT-IN	60.00		589.00
FINAL FLOW	30.00	119.00	104.00
FINAL SHUT-IN	27.00		125.00

FINAL HYDROSTATIC PRESSURE: 2112.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7-30-95	TICKET	: 21436
CUSTOMER	: RAYMOND OIL COMPANY	LEASE	: KLETCHKA "A"
WELL	: #1	TEST:	2
ELEVATION:	3263 GR	GEOLOGIST:	SANDBERG
SECTION	: 32	FORMATION:	OREAD
RANGE	: 35W	TOWNSHIP	: 1
GAUGE SN#:	13266	COUNTY:	RAWLINS
		RANGE	: 4000
		STATE	: KS
		CLOCK	: 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	60.00	60.00
5.00	203.00	143.00
10.00	262.00	59.00
15.00	399.00	137.00
20.00	517.00	118.00
25.00	322.00	-195.00
30.00	93.00	-229.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	127.00	127.00	0.00
6.00	172.00	45.00	0.00
9.00	200.00	28.00	0.00
12.00	222.00	22.00	0.00
15.00	249.00	27.00	0.00
18.00	275.00	26.00	0.00
21.00	297.00	22.00	0.00
24.00	323.00	26.00	0.00
27.00	348.00	25.00	0.00
30.00	371.00	23.00	0.00
33.00	396.00	25.00	0.00
36.00	417.00	21.00	0.00
39.00	443.00	26.00	0.00
42.00	463.00	20.00	0.00
45.00	486.00	23.00	0.00
48.00	508.00	22.00	0.00
51.00	529.00	21.00	0.00
54.00	547.00	18.00	0.00
57.00	572.00	25.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	589.00	17.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	119.00	119.00
5.00	107.00	-12.00
10.00	106.00	-1.00
15.00	106.00	0.00
20.00	106.00	0.00
25.00	106.00	0.00
30.00	104.00	-2.00

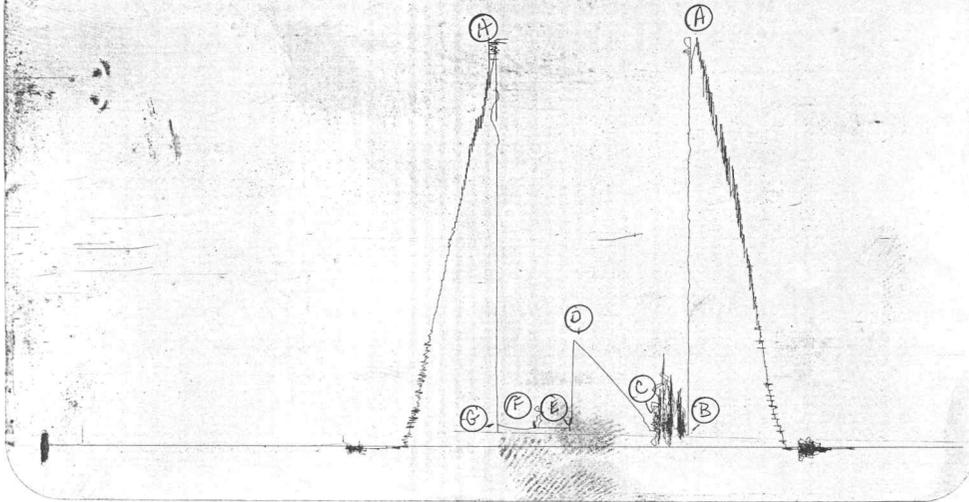
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	104.00	104.00	0.00
6.00	100.00	-4.00	0.00
9.00	100.00	0.00	0.00
12.00	101.00	1.00	0.00
15.00	104.00	3.00	0.00
18.00	107.00	3.00	0.00
21.00	111.00	4.00	0.00
24.00	115.00	4.00	0.00
27.00	125.00	10.00	0.00

13266

Ticket # 21436

I

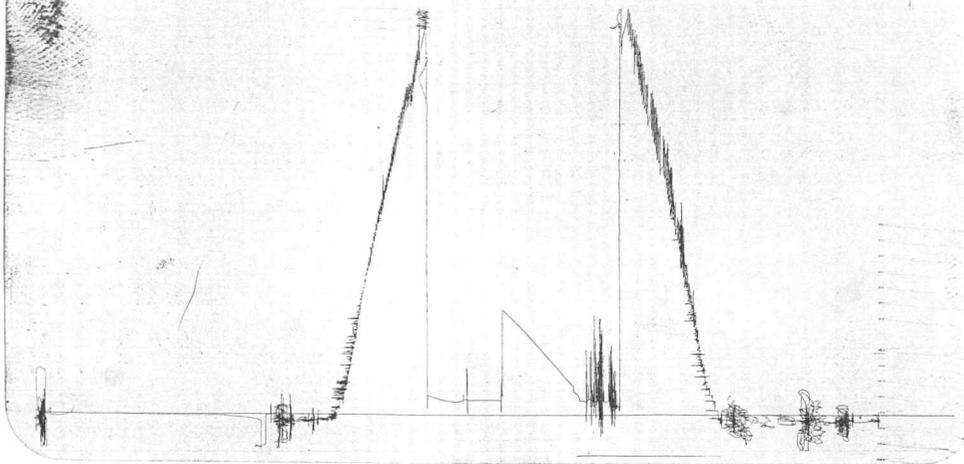


Inside Recorder

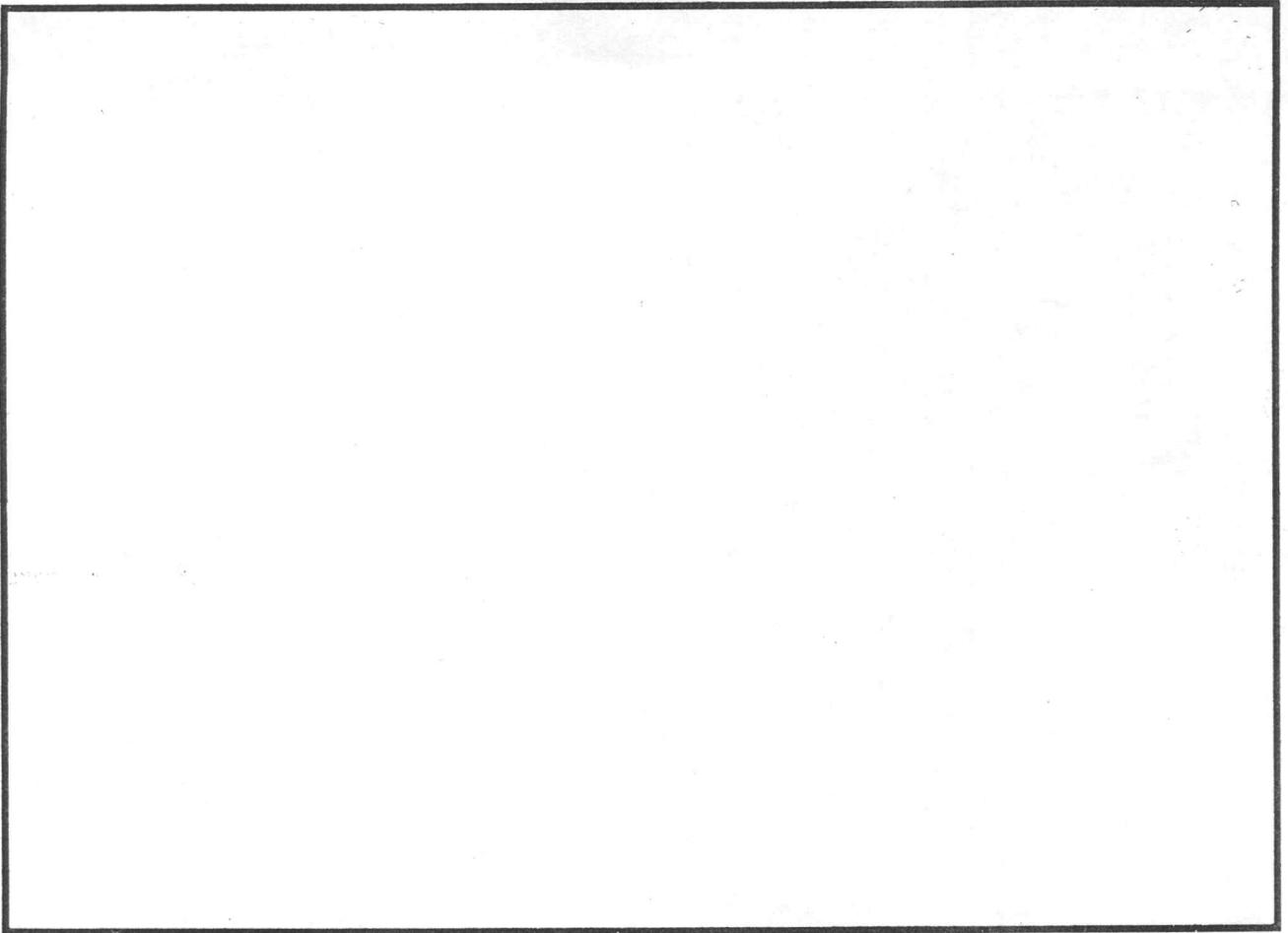
13267

Ticket # 21436

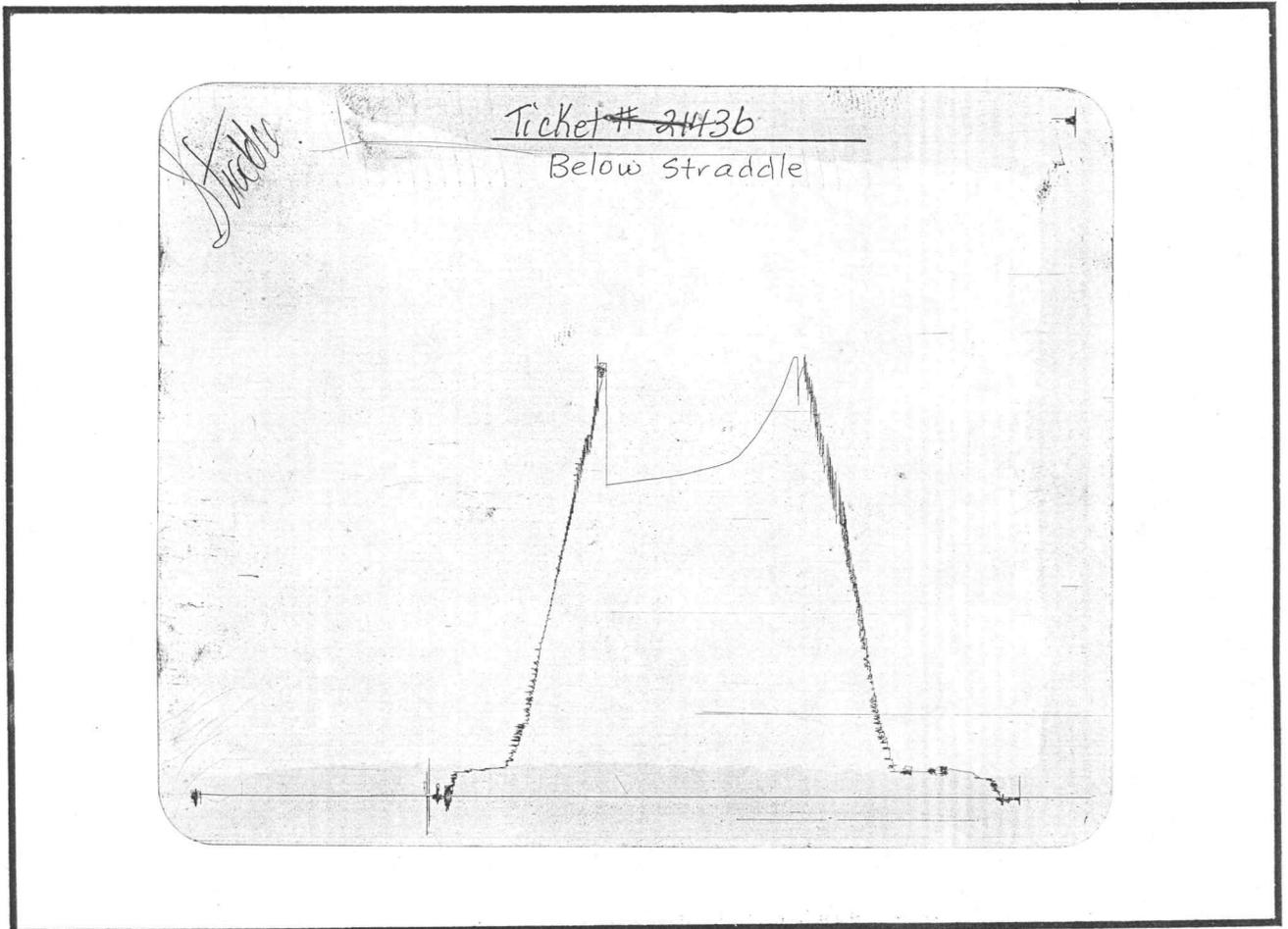
D



Outside Recorder



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 7-30-95  
CUSTOMER : RAYMOND OIL COMPANY  
WELL : #1 TEST: 2  
ELEVATION: 3263 GR  
SECTION : 32  
RANGE : 35W COUNTY: RAWLINS  
GAUGE SN#: 13266 RANGE : 4000  
TICKET : 21436  
LEASE : KLETCHKA "A"  
GEOLOGIST: SANDBERG  
FORMATION: OREAD  
TOWNSHIP : 1  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4051.00 ft TO: 4094.00 ft TVD: 4450.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4084.0 ft 4087.0 ft  
TEMPERATURE: 0.0  
DRILL COLLAR LENGTH: 349.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 3679.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 23.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 43.0 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: 4051.0 ft SIZE: 6.750 in  
PACKER DEPTH: 4094.0 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. : MURFIN #8  
MUD TYPE : CHEMICAL VISCOSITY : 50.00 cp  
WEIGHT : 9.500 ppg WATER LOSS: 9.700 cc  
CHLORIDES : 600 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 415  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-FAIR BLOW-5 INCHES IN WATER-  
DECREASED. FINAL FLOW PERIOD-NO BLOW.  
HEAVY PLUGGING ACTION DURING INITIAL FLOW PERIOD.