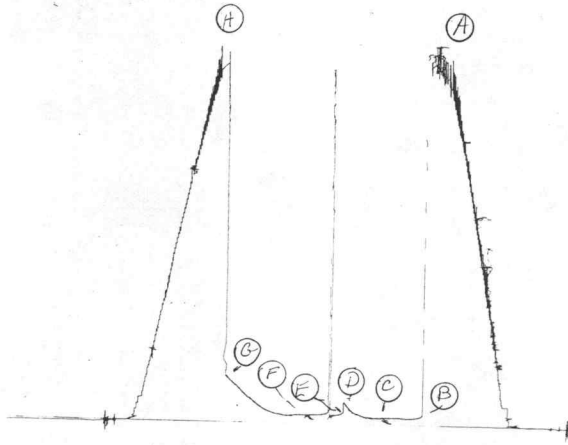


DST #1
Roc #11018
INSIDE

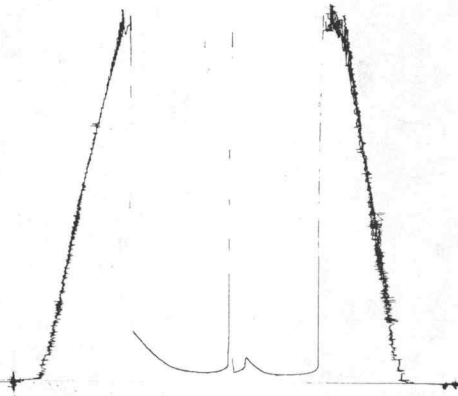
Ticket # 21096
I



Inside Recorder

DST #1
Roc #12629
OUTSIDE

Ticket # 21096
O



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 10-29-95
CUSTOMER : PHILLIPS OIL CO.
WELL : #2 TEST: 1
ELEVATION: 2544 GL
SECTION : 30
RANGE : 24W COUNTY: NESS
GAUGE SN#: 11018 RANGE : 4425
TICKET : 21096
LEASE : GIESS
GEOLOGIST: MAUNE
FORMATION: FORT SCOTT
TOWNSHIP : 16
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4420.00 ft TO: 4470.00 ft TVD: 4470.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4423.0 ft 4467.0 ft
TEMPERATURE: 118.0
DRILL COLLAR LENGTH: 240.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4154.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 26.0 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: 4415.0 ft SIZE: 6.630 in
PACKER DEPTH: 4420.0 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
WEIGHT : 9.300 ppg
CHLORIDES : 6000 ppm
JARS-MAKE : WTC
DID WELL FLOW?: NO
VISCOSITY : 46.00 cp
WATER LOSS: 10.400 cc
SERIAL NUMBER: 12369
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW DEAD IN 5 MINUTES.
FINAL FLOW PERIOD-NO BLOW, FLUSHED TOOL & RECEIVED
SHORT BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0983	STB	TOTAL FLOW TIME:	60.0000 min.
WATER VOLUME:	0.0000	STB	AVERAGE OIL RATE:	0.0000 STB/D
TOTAL FLUID :	0.0983	STB	AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2155.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	28.00	28.00
INITIAL SHUT-IN	30.00		112.00
FINAL FLOW	30.00	33.00	44.00
FINAL SHUT-IN	60.00		262.00

FINAL HYDROSTATIC PRESSURE: 2131.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2197.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	40.00
INITIAL SHUT-IN	30.00		137.00
FINAL FLOW	30.00	64.00	60.00
FINAL SHUT-IN	63.00		285.00

FINAL HYDROSTATIC PRESSURE: 2151.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10-29-95	TICKET	: 21096
CUSTOMER	: PHILLIPS OIL CO.	LEASE	: GIESS
WELL	: #2	TEST:	1
ELEVATION	: 2544 GL	GEOLOGIST	: MAUNE
SECTION	: 30	FORMATION	: FORT SCOTT
RANGE	: 24W	TOWNSHIP	: 16
Gauge SN#	: 11018	STATE	: KS
	COUNTY: NESS	CLOCK	: 12
	RANGE : 4425		

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	48.00	48.00
5.00	42.00	-6.00
10.00	40.00	-2.00
15.00	40.00	0.00
20.00	40.00	0.00
25.00	40.00	0.00
30.00	40.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	40.00	40.00	0.00
6.00	41.00	1.00	0.00
9.00	42.00	1.00	0.00
12.00	42.00	0.00	0.00
15.00	46.00	4.00	0.00
18.00	60.00	14.00	0.00
21.00	67.00	7.00	0.00
24.00	81.00	14.00	0.00
27.00	97.00	16.00	0.00
30.00	137.00	40.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	64.00	64.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

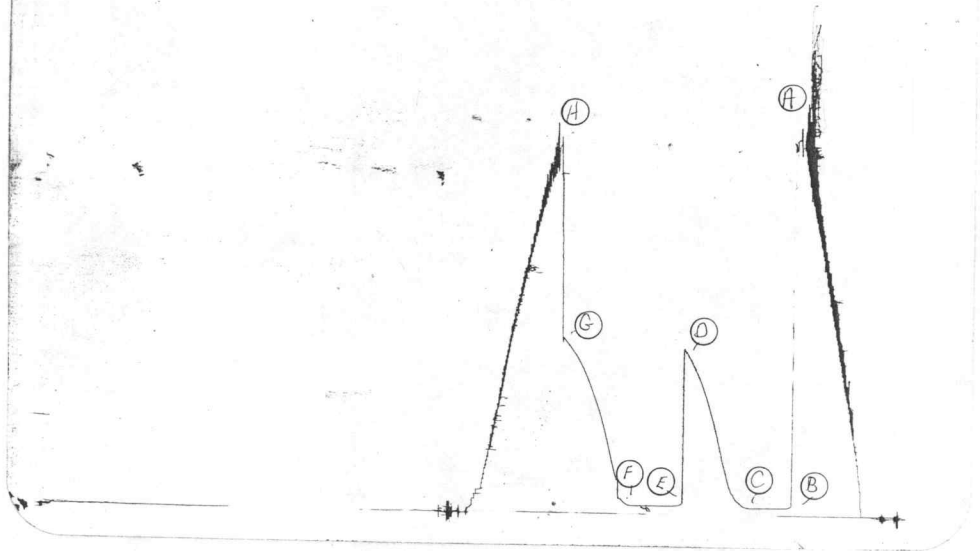
Time (min)	Pressure	Delta P
5.00	59.00	-5.00
10.00	56.00	-3.00
15.00	63.00	7.00
20.00	63.00	0.00
25.00	60.00	-3.00
30.00	60.00	0.00

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	59.00	-1.00	0.00
12.00	56.00	-3.00	0.00
15.00	54.00	-2.00	0.00
18.00	56.00	2.00	0.00
21.00	60.00	4.00	0.00
24.00	64.00	4.00	0.00
27.00	70.00	6.00	0.00
30.00	79.00	9.00	0.00
33.00	91.00	12.00	0.00
36.00	106.00	15.00	0.00
39.00	126.00	20.00	0.00
42.00	145.00	19.00	0.00
45.00	161.00	16.00	0.00
48.00	182.00	21.00	0.00
51.00	204.00	22.00	0.00
54.00	230.00	26.00	0.00
57.00	247.00	17.00	0.00
60.00	272.00	25.00	0.00
63.00	285.00	13.00	0.00

DST #1
RRC #11018
INSIDE

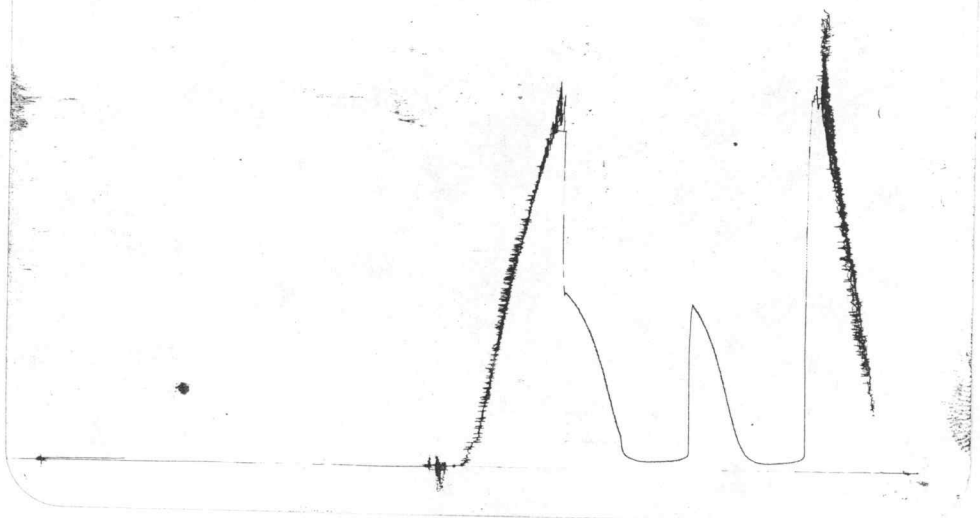
Ticket # 21097
I



Inside Recorder

DST #1
RRC #13624
OUTSIDE

Ticket # 21097
O



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 10-30-95	TICKET : 21097
CUSTOMER : PHILLIPS OIL CO.	LEASE : GIESS
WELL : #2 TEST: 2	GEOLOGIST: MAUNE
ELEVATION: 2544 GL	FORMATION: MISSISSIPPI
SECTION : 30	TOWNSHIP : 16
RANGE : 24W COUNTY: NESS	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4506.00 ft	TO: 4545.00 ft	TVD: 4545.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4509.0 ft	4542.0 ft	
TEMPERATURE: 121.0		

DRILL COLLAR LENGTH: 240.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4240.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 26.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 39.0 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: 4501.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4506.0 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 : 49.00 cp
WEIGHT : 9.300 ppg	WATER LOSS: 9.000 cc
CHLORIDES : 6000 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 12369
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW DEAD IN 6 MINUTES.
FINAL FLOW PERIOD-NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1.0	100.0	0.0	0.0	0.0	CLEAN OIL
24.0	30.0	0.0	0.0	70.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0403	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	2.9505	STB/D
MUD VOLUME:	0.0826	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1229	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2233.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	33.00	35.00
INITIAL SHUT-IN	60.00		1008.00
FINAL FLOW	30.00	40.00	40.00
FINAL SHUT-IN	60.00		1052.00

FINAL HYDROSTATIC PRESSURE: 2206.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2290.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	45.00
INITIAL SHUT-IN	57.00		1017.00
FINAL FLOW	30.00	60.00	53.00
FINAL SHUT-IN	63.00		1074.00

FINAL HYDROSTATIC PRESSURE: 2242.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10-30-95	TICKET	: 21097
CUSTOMER	: PHILLIPS OIL CO.	LEASE	: GIESS
WELL	: #2	TEST:	2
ELEVATION:	2544 GL	GEOLOGIST:	MAUNE
SECTION	: 30	FORMATION:	MISSISSIPPI
RANGE	: 24W	TOWNSHIP	: 16
GAUGE SN#:	11018	STATE	: KS
	COUNTY: NESS	CLOCK	: 12
	RANGE : 4425		

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	50.00	50.00
5.00	46.00	-4.00
10.00	46.00	0.00
15.00	46.00	0.00
20.00	46.00	0.00
25.00	45.00	-1.00
30.00	45.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	45.00	45.00	11.00
6.00	51.00	6.00	6.00
9.00	60.00	9.00	4.33
12.00	82.00	22.00	3.50
15.00	110.00	28.00	3.00
18.00	153.00	43.00	2.67
21.00	232.00	79.00	2.43
24.00	320.00	88.00	2.25
27.00	411.00	91.00	2.11
30.00	515.00	104.00	2.00
33.00	607.00	92.00	1.91
36.00	683.00	76.00	1.83
39.00	753.00	70.00	1.77
42.00	820.00	67.00	1.71
45.00	871.00	51.00	1.67
48.00	922.00	51.00	1.63
51.00	962.00	40.00	1.59
54.00	1006.00	44.00	1.56
57.00	1017.00	11.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

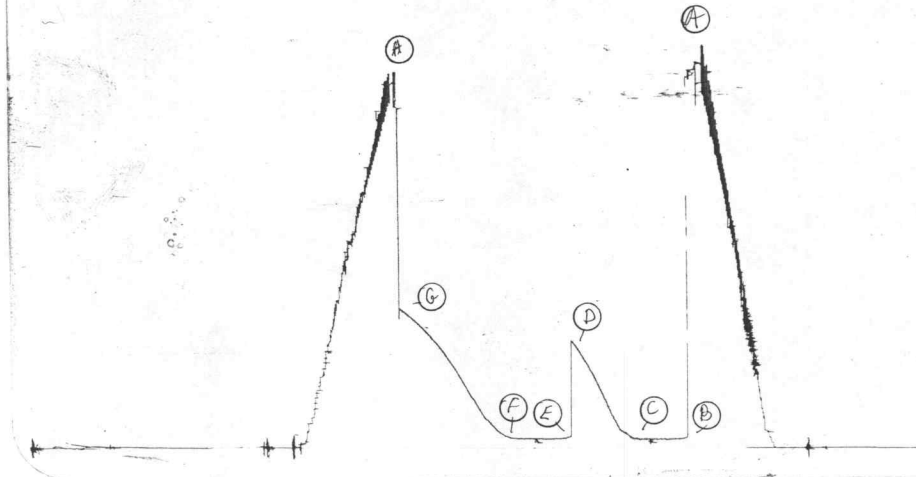
Time (min)	Pressure	Delta P
0.00	60.00	60.00
5.00	55.00	-5.00
10.00	53.00	-2.00
15.00	52.00	-1.00
20.00	52.00	0.00
25.00	53.00	1.00
30.00	53.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	53.00	53.00	11.00
6.00	53.00	0.00	6.00
9.00	53.00	0.00	4.33
12.00	53.00	0.00	3.50
15.00	68.00	15.00	3.00
18.00	88.00	20.00	2.67
21.00	206.00	118.00	2.43
24.00	303.00	97.00	2.25
27.00	401.00	98.00	2.11
30.00	491.00	90.00	2.00
33.00	575.00	84.00	1.91
36.00	649.00	74.00	1.83
39.00	718.00	69.00	1.77
42.00	783.00	65.00	1.71
45.00	842.00	59.00	1.67
48.00	895.00	53.00	1.63
51.00	942.00	47.00	1.59
54.00	976.00	34.00	1.56
57.00	1013.00	37.00	1.53
60.00	1045.00	32.00	1.50
63.00	1074.00	29.00	1.48

DSI #3
RSC #1101D
INSIDE

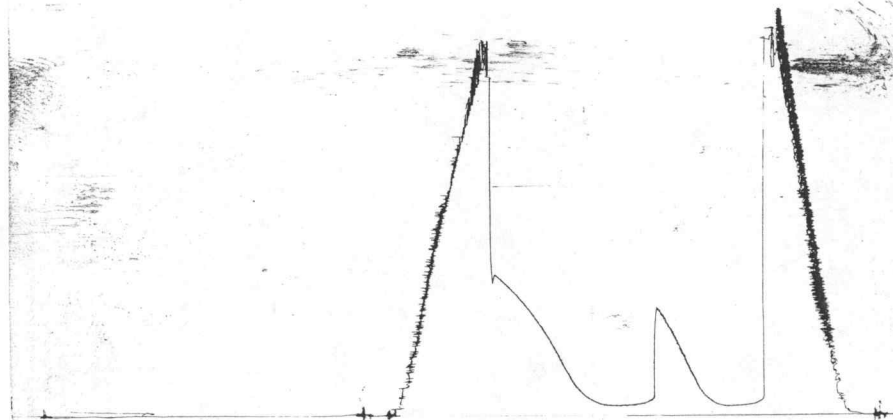
Ticket # 21098
I



Inside Recorder

DSI #3
RSC #13629
OUTSIDE

Ticket # 21098
D



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 10-31-95	TICKET : 21098
CUSTOMER : PHILLIPS OIL CO.	LEASE : GIESS
WELL : #2 TEST: 3	GEOLOGIST: MAUNE
ELEVATION: 2544 GL	FORMATION: MISSISSIPPI
SECTION : 30	TOWNSHIP : 16
RANGE : 24W COUNTY: NESS	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4505.00 ft	TO: 4550.00 ft	TVD: 4550.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4508.0 ft	4547.0 ft	
TEMPERATURE: 120.0		
DRILL COLLAR LENGTH: 240.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4239.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 26.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 45.0 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: 4500.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4505.0 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 : 49.00 cp
WEIGHT : 9.300 ppg	WATER LOSS: 9.000 cc
CHLORIDES : 6000 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 12369
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW DEAD IN 10 MINUTES.
FINAL FLOW PERIOD-NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
10.0	Oil	Gas	Water	Mud	
10.0	10.0	0.0	0.0	90.0	SLIGHT OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0049	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	1.1802	STB/D
MUD VOLUME:	0.0443	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0492	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2244.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	33.00	33.00
INITIAL SHUT-IN	60.00		654.00
FINAL FLOW	30.00	37.00	37.00
FINAL SHUT-IN	90.00		842.00

FINAL HYDROSTATIC PRESSURE: 2220.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2277.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	59.00	57.00
INITIAL SHUT-IN	63.00		661.00
FINAL FLOW	30.00	65.00	59.00
FINAL SHUT-IN	105.00		857.00

FINAL HYDROSTATIC PRESSURE: 2236.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10-31-95	TICKET : 21098
CUSTOMER : PHILLIPS OIL CO.	LEASE : GIESS
WELL : #2	TEST: 3
ELEVATION: 2544 GL	GEOLOGIST: MAUNE
SECTION : 30	FORMATION: MISSISSIPPI
RANGE : 24W	TOWNSHIP : 16
COUNTY: NESS	STATE : KS
GAUGE SN#: 11018	RANGE : 4425
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	59.00	59.00
5.00	57.00	-2.00
10.00	57.00	0.00
15.00	57.00	0.00
20.00	57.00	0.00
25.00	57.00	0.00
30.00	57.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	57.00	57.00	11.00
6.00	57.00	0.00	6.00
9.00	57.00	0.00	4.33
12.00	57.00	0.00	3.50
15.00	67.00	10.00	3.00
18.00	93.00	26.00	2.67
21.00	102.00	9.00	2.43
24.00	124.00	22.00	2.25
27.00	167.00	43.00	2.11
30.00	212.00	45.00	2.00
33.00	256.00	44.00	1.91
36.00	315.00	59.00	1.83
39.00	368.00	53.00	1.77
42.00	411.00	43.00	1.71
45.00	456.00	45.00	1.67
48.00	497.00	41.00	1.63
51.00	536.00	39.00	1.59
54.00	575.00	39.00	1.56
57.00	609.00	34.00	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	643.00	34.00	1.50
63.00	661.00	18.00	1.48

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	65.00	65.00
5.00	62.00	-3.00
10.00	59.00	-3.00
15.00	59.00	0.00
20.00	59.00	0.00
25.00	59.00	0.00
30.00	59.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	59.00	59.00	11.00
6.00	60.00	1.00	6.00
9.00	60.00	0.00	4.33
12.00	61.00	1.00	3.50
15.00	61.00	0.00	3.00
18.00	65.00	4.00	2.67
21.00	68.00	3.00	2.43
24.00	77.00	9.00	2.25
27.00	91.00	14.00	2.11
30.00	115.00	24.00	2.00
33.00	140.00	25.00	1.91
36.00	167.00	27.00	1.83
39.00	190.00	23.00	1.77
42.00	223.00	33.00	1.71
45.00	264.00	41.00	1.67
48.00	303.00	39.00	1.63
51.00	336.00	33.00	1.59
54.00	380.00	44.00	1.56
57.00	422.00	42.00	1.53
60.00	455.00	33.00	1.50
63.00	495.00	40.00	1.48

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
66.00	529.00	34.00	1.45
69.00	564.00	35.00	1.43
72.00	596.00	32.00	1.42
75.00	627.00	31.00	1.40
78.00	657.00	30.00	1.38
81.00	681.00	24.00	1.37
84.00	709.00	28.00	1.36
87.00	732.00	23.00	1.34
90.00	752.00	20.00	1.33
93.00	776.00	24.00	1.32
96.00	799.00	23.00	1.31
99.00	815.00	16.00	1.30
102.00	836.00	21.00	1.29
105.00	857.00	21.00	1.29