

15-055-21261

34-23s-34w

ORIGINAL

CONFIDENTIAL

FORMATION

TEST

REPORT

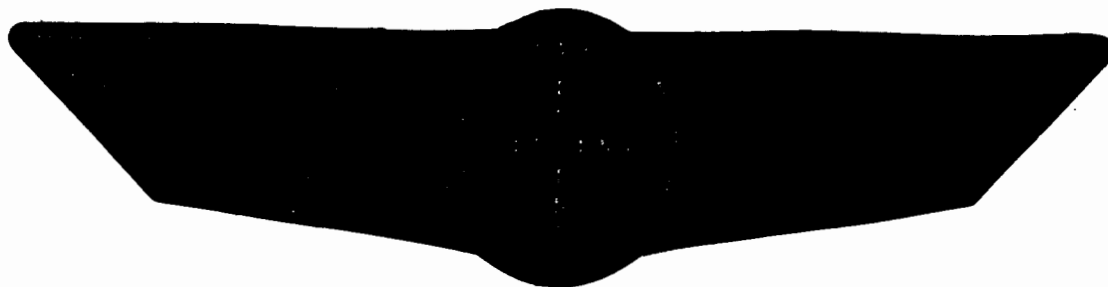
KCC

**FEB 10
CONFIDENTIAL**

RELEASED

MAY 24 1995

FROM CONFIDENTIAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY

HARRIS OIL & GAS COMPANY

LEASE & WELL NO.

#2-34 GARDEN CITY

SEC.

34

TWP.

23S

RGE.

34W

TEST NO.

1

DATE

12/7/93

API #15-055-21261

DST REPORT

GENERAL INFORMATION

DATE	: 12/7/93	TICKET	: 19960
CUSTOMER	: HARRIS OIL & GAS COMPANY	LEASE	: GARDEN CITY
WELL	: #2-34	TEST:	1
ELEVATION	: 2962. KB	GEOLOGIST	: KOZAVEK
SECTION	: 34	FORMATION	: PAWNEE
RANGE	: 34W	COUNTY	: FINNEY
GAUGE SN#	: 3849	TOWNSHIP	: 23S
		STATE	: KS
		RANGE	: 4200
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4356.00 ft	TO:	4368.00 ft	TVD:	4368.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4359.0 ft		4362.0 ft		
TEMPERATURE:	109.0				
DRILL COLLAR LENGTH:	118.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH:	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH:	4210.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH:	28.0 ft	TOOL SIZE:		5.500 in	
ANCHOR LENGTH:	12.0 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:	4351.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4356.0 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.:	ALLEN RIG 1	VISCOSITY:	53.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	10.400 cc
WEIGHT:	9.100 ppg	SERIAL NUMBER:	402
CHLORIDES:	5000 ppm	REVERSED OUT?:	NO
JARS-MAKE:	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 1/2 INCH BLOW SLOWLY
BUILT TO 7 INCHES IN BUCKET. FINAL FLOW PERIOD
SURFACE BLOW - SLOWLY BUILT TO THE BOTTOM OF

KCC

FEB 1 0

CONFIDENTIAL

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

RELEASED

BUCKET IN 41 MINUTES.

MAY 24 1995

FROM CONFIDENTIAL

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	90FT GAS ABOVE FLUID
15.0	100.0	0.0	0.0	0.0	CLEAN OIL
0.0	0.0	0.0	0.0	0.0	34 GRAVITY @ 60 DEGREES F
75.0	3.0	0.0	63.0	34.0	SL. OIL, HEAVY MUD C/WTR
120.0	0.0	0.0	100.0	0.0	SALT WATER W/SCUM OF OIL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 58000 PPM

RATE INFORMATION

OIL VOLUME: 0.2420 STB
 GAS VOLUME: 0.0000 SCF
 MUD VOLUME: 0.3577 STB
 WATER VOLUME: 1.2711 STB
 TOTAL FLUID : 1.8707 STB

TOTAL FLOW TIME: 90.0000 min.
 AVERAGE OIL RATE: 4.1314 STB/D
 AVERAGE WATER RATE: 25.7996 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2067.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	40.00	78.00
INITIAL SHUT-IN	60.00		1140.00
FINAL FLOW	60.00	89.00	123.00
FINAL SHUT-IN	120.00		1140.00
FINAL HYDROSTATIC PRESSURE:	2033.00		

01533

1000000000

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2145.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	54.00	86.00
INITIAL SHUT-IN	60.00		1151.00
FINAL FLOW	60.00	100.00	134.00
FINAL SHUT-IN	117.00		1150.00
FINAL HYDROSTATIC PRESSURE:	2125.00		

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12/7/93	TICKET : 19960
CUSTOMER : HARRIS OIL & GAS COMPANY	LEASE : GARDEN CITY
WELL : #2-34	GEOLOGIST: KOZAVEK
ELEVATION: 2962 KB	FORMATION: PAWNEE
SECTION : 34	TOWNSHIP : 23S
RANGE : 34W	STATE : KS
GAUGE SN#: 3849	CLOCK : 12
COUNTY: FINNEY	
RANGE : 4200	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	54.00	54.00
5.00	54.00	0.00
10.00	60.00	6.00
15.00	68.00	8.00
20.00	75.00	7.00
25.00	81.00	6.00
30.00	86.00	5.00

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	307.00	307.00	11.00
6.00	676.00	369.00	6.00
9.00	918.00	242.00	4.33
12.00	1002.00	84.00	3.50
15.00	1044.00	42.00	3.00
18.00	1069.00	25.00	2.67
21.00	1086.00	17.00	2.43
24.00	1098.00	12.00	2.25
27.00	1109.00	11.00	2.11
30.00	1116.00	7.00	2.00
33.00	1121.00	5.00	1.91
36.00	1130.00	9.00	1.83
39.00	1132.00	2.00	1.77
42.00	1136.00	4.00	1.71
45.00	1139.00	3.00	1.67
48.00	1142.00	3.00	1.63
51.00	1145.00	3.00	1.59
54.00	1147.00	2.00	1.56
57.00	1149.00	2.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	1151.00	2.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	100.00	100.00
5.00	100.00	0.00
10.00	102.00	2.00
15.00	107.00	5.00
20.00	111.00	4.00
25.00	113.00	2.00
30.00	117.00	4.00
35.00	120.00	3.00
40.00	123.00	3.00
45.00	126.00	3.00
50.00	129.00	3.00
55.00	132.00	3.00
60.00	134.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	275.00	275.00	21.00
6.00	578.00	303.00	11.00
9.00	837.00	259.00	7.67
12.00	944.00	107.00	6.00
15.00	998.00	54.00	5.00
18.00	1027.00	29.00	4.33
21.00	1045.00	18.00	3.86
24.00	1059.00	14.00	3.50
27.00	1072.00	13.00	3.22
30.00	1082.00	10.00	3.00
33.00	1088.00	6.00	2.82
36.00	1095.00	7.00	2.67
39.00	1100.00	5.00	2.54
42.00	1107.00	7.00	2.43
45.00	1111.00	4.00	2.33
48.00	1114.00	3.00	2.25

KCC

FEB 1 0

CONFIDENTIAL

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

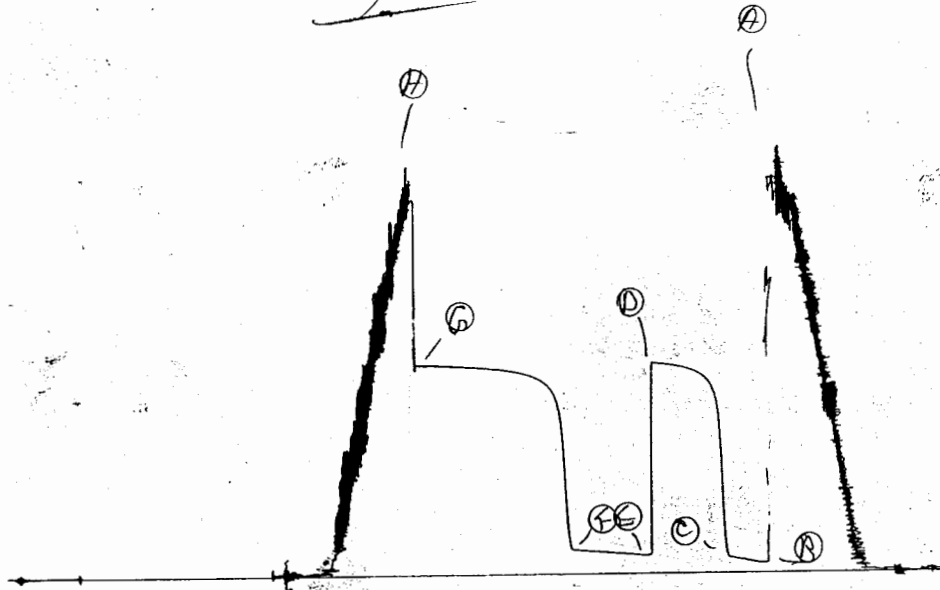
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	1118.00	4.00	2.18
54.00	1120.00	2.00	2.11
57.00	1123.00	3.00	2.05
60.00	1126.00	3.00	2.00
63.00	1128.00	2.00	1.95
66.00	1130.00	2.00	1.91
69.00	1132.00	2.00	1.87
72.00	1133.00	1.00	1.83
75.00	1134.00	1.00	1.80
78.00	1135.00	1.00	1.77
81.00	1136.00	1.00	1.74
84.00	1137.00	1.00	1.71
87.00	1138.00	1.00	1.69
90.00	1140.00	2.00	1.67
93.00	1142.00	2.00	1.65
96.00	1143.00	1.00	1.63
99.00	1144.00	1.00	1.61
102.00	1145.00	1.00	1.59
105.00	1146.00	1.00	1.57
108.00	1147.00	1.00	1.56
111.00	1148.00	1.00	1.54
114.00	1149.00	1.00	1.53
117.00	1150.00	1.00	1.51

RELEASED

MAY 2 4 1995

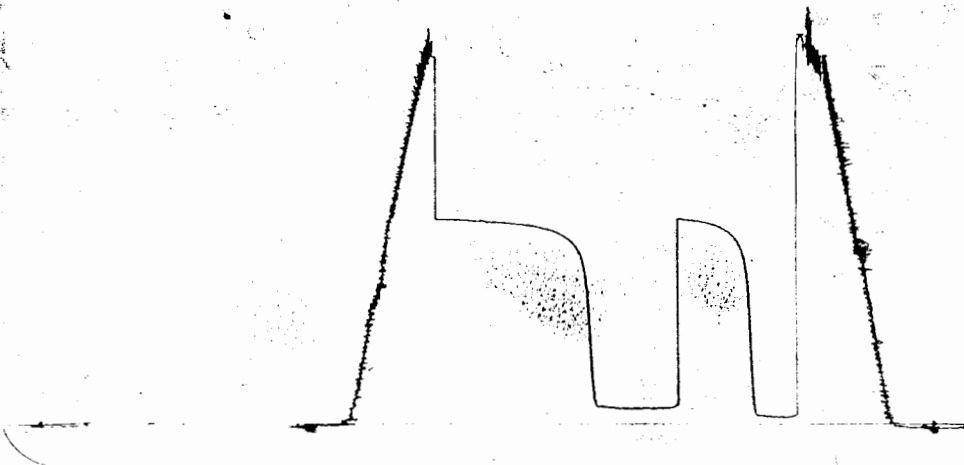
FROM CONFIDENTIAL

KT 19960: ~~5847~~ DST1
I 20



Inside Recorder

KT - 19960: 2007 DST1
O 20



Outside Recorder

ORIGINAL

FORMATION

CONFIDENTIAL

TEST

KCC

FEB 1 0

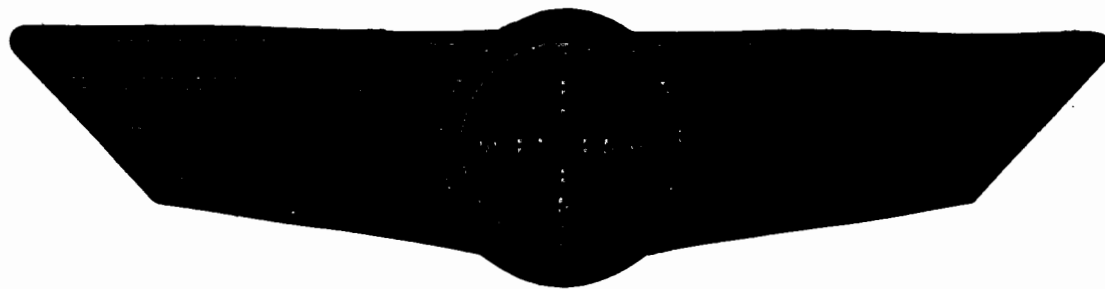
CONFIDENTIAL

REPORT

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY

HARRIS OIL & GAS COMPANY

LEASE & WELL NO.

#2-34 GARDEN CITY

SEC.

34

TWP.

23S

RGE.

34W

TEST NO.

2

DATE

12/10/93

HPI #15-055-21261

DST REPORT

GENERAL INFORMATION

DATE	: 12\10\93	TICKET	: 19961
CUSTOMER	: HARRIS OIL & GAS COMPANY	LEASE	: GARDEN CITY
WELL	: #2-34	TEST: 2	GEOLOGIST: FRANKLIN
ELEVATION	: 2962 KB	FORMATION	: ST. LOUIS
SECTION	: 34	TOWNSHIP	: 23S
RANGE	: 34W	STATE	: KS
GAUGE SN#	: 3849	RANGE	: 4200
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4780.00 ft	TO:	4818.00 ft	TVD:	4945.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4797.0 ft		4800.0 ft		
TEMPERATURE:	114.0				
DRILL COLLAR LENGTH:	461.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH:	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH:	4413.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH:	28.0 ft	TOOL SIZE:		5.500 in	
ANCHOR LENGTH:	38.0 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:	4775.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4780.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4818.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON.:	ALLEN RIG 1	VISCOSITY:	48.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	11.200 cc
WEIGHT:	9.000 ppg	SERIAL NUMBER:	402
CHLORIDES:	6000 ppm	REVERSED OUT?:	NO
JARS-MAKE:	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 1/2 INCH BLOW SLOWLY
BUILT TO 9 INCHES IN BUCKET. FINAL FLOW PERIOD
WEAK 1/4 INCH BLOW SLOWLY BUILT TO THE BOTTOM OF

KCC

FEB 10

CONFIDENTIAL

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

RELEASED

Comment

BUCKET IN 28 MINUTES.

MAY 24 1995

TAIL-PIPE = 122' OF 4.5" 5' OF 5.5" TOTAL 127'

FROM CONFIDENTIAL

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	415 FT GAS ABOVE FLUID
115.0	100.0	0.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	31 GRAVITY @ 60 DEGREES F
60.0	54.0	21.0	9.0	16.0	SL WTR & MUD C/GASSY OIL
55.0	6.0	0.0	34.0	60.0	SL OIL CUT WATERY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 13000 PPM

RATE INFORMATION

OIL VOLUME: 0.7411 STB
 GAS VOLUME: 0.3479 SCF
 MUD VOLUME: 0.2095 STB
 WATER VOLUME: 0.1185 STB
 TOTAL FLUID : 1.0691 STB

TOTAL FLOW TIME: 90.0000 min.
 AVERAGE OIL RATE: 12.8939 STB/D
 AVERAGE WATER RATE: 4.2110 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2237.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	14.00	40.00
INITIAL SHUT-IN	60.00		1146.00
FINAL FLOW	60.00	55.00	87.00
FINAL SHUT-IN	120.00		1146.00

FINAL HYDROSTATIC PRESSURE: 2201.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2331.00

Description	Duration	pl	p End
INITIAL FLOW	30.00	49.00	73.00
INITIAL SHUT-IN	60.00		1188.00
FINAL FLOW	60.00	88.00	119.00
FINAL SHUT-IN	120.00		1187.00
FINAL HYDROSTATIC PRESSURE:	2309.00		

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12\10\93	TICKET : 19961
CUSTOMER : HARRIS OIL & GAS COMPANY	LEASE : GARDEN CITY
WELL : #2-34 TEST: 2	GEOLOGIST: FRANKLIN
ELEVATION: 2962 KB	FORMATION: ST. LOUIS
SECTION : 34	TOWNSHIP : 23S
RANGE : 34W	STATE : KS
GAUGE SN#: 3849	CLOCK : 12
COUNTY: FINNEY	
RANGE : 4200	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	49.00	49.00
5.00	51.00	2.00
10.00	57.00	6.00
15.00	62.00	5.00
20.00	67.00	5.00
25.00	71.00	4.00
30.00	73.00	2.00

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	73.00	73.00	11.00
6.00	126.00	53.00	6.00
9.00	343.00	217.00	4.33
12.00	638.00	295.00	3.50
15.00	874.00	236.00	3.00
18.00	983.00	109.00	2.67
21.00	1046.00	63.00	2.43
24.00	1082.00	36.00	2.25
27.00	1101.00	19.00	2.11
30.00	1117.00	16.00	2.00
33.00	1132.00	15.00	1.91
36.00	1141.00	9.00	1.83
39.00	1157.00	16.00	1.77
42.00	1162.00	5.00	1.71
45.00	1167.00	5.00	1.67
48.00	1172.00	5.00	1.63
51.00	1176.00	4.00	1.59
54.00	1182.00	6.00	1.56
57.00	1184.00	2.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	1188.00	4.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	88.00	88.00
5.00	88.00	0.00
10.00	92.00	4.00
15.00	94.00	2.00
20.00	98.00	4.00
25.00	101.00	3.00
30.00	104.00	3.00
35.00	107.00	3.00
40.00	110.00	3.00
45.00	113.00	3.00
50.00	115.00	2.00
55.00	117.00	2.00
60.00	119.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	198.00	198.00	21.00
6.00	426.00	228.00	11.00
9.00	680.00	254.00	7.67
12.00	854.00	174.00	6.00
15.00	957.00	103.00	5.00
18.00	1005.00	48.00	4.33
21.00	1034.00	29.00	3.86
24.00	1057.00	23.00	3.50
27.00	1073.00	16.00	3.22
30.00	1088.00	15.00	3.00
33.00	1097.00	9.00	2.82
36.00	1105.00	8.00	2.67
39.00	1114.00	9.00	2.54
42.00	1120.00	6.00	2.43
45.00	1126.00	6.00	2.33
48.00	1130.00	4.00	2.25

KCC

FEB 10

CONFIDENTIAL

PRESSURE TRANSIENT REPORT (CONTINUED)

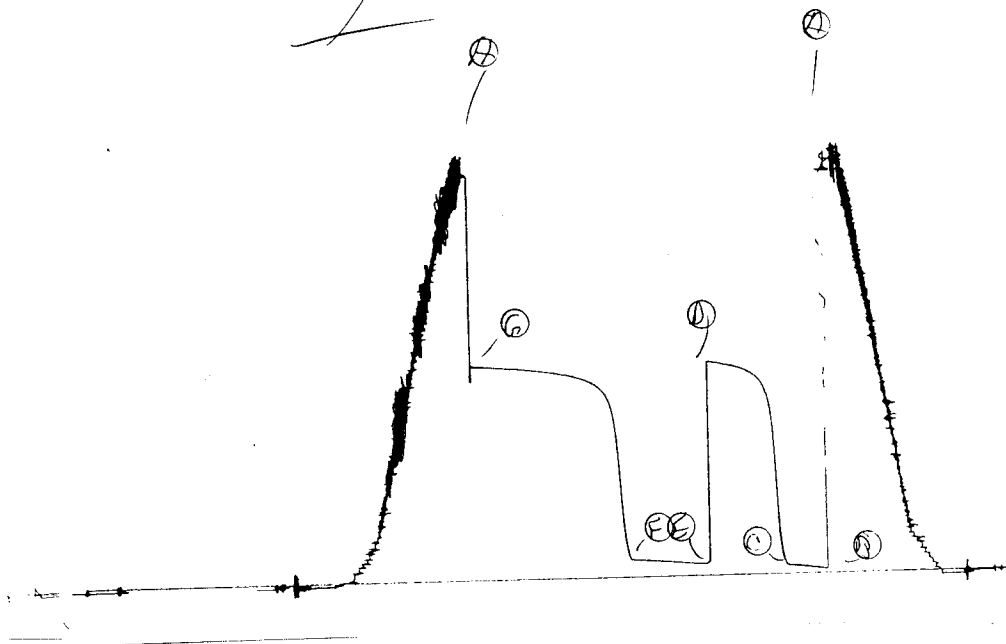
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	1134.00	4.00	2.18
54.00	1138.00	4.00	2.11
57.00	1142.00	4.00	2.05
60.00	1145.00	3.00	2.00
63.00	1148.00	3.00	1.95
66.00	1151.00	3.00	1.91
69.00	1154.00	3.00	1.87
72.00	1157.00	3.00	1.83
75.00	1159.00	2.00	1.80
78.00	1161.00	2.00	1.77
81.00	1163.00	2.00	1.74
84.00	1165.00	2.00	1.71
87.00	1167.00	2.00	1.69
90.00	1170.00	3.00	1.67
93.00	1173.00	3.00	1.65
96.00	1175.00	2.00	1.63
99.00	1177.00	2.00	1.61
102.00	1179.00	2.00	1.59
105.00	1180.00	1.00	1.57
108.00	1183.00	3.00	1.56
111.00	1184.00	1.00	1.54
114.00	1185.00	1.00	1.53
117.00	1186.00	1.00	1.51
120.00	1187.00	1.00	1.50

KT 19961
I

~~13847~~ DET 2

JD

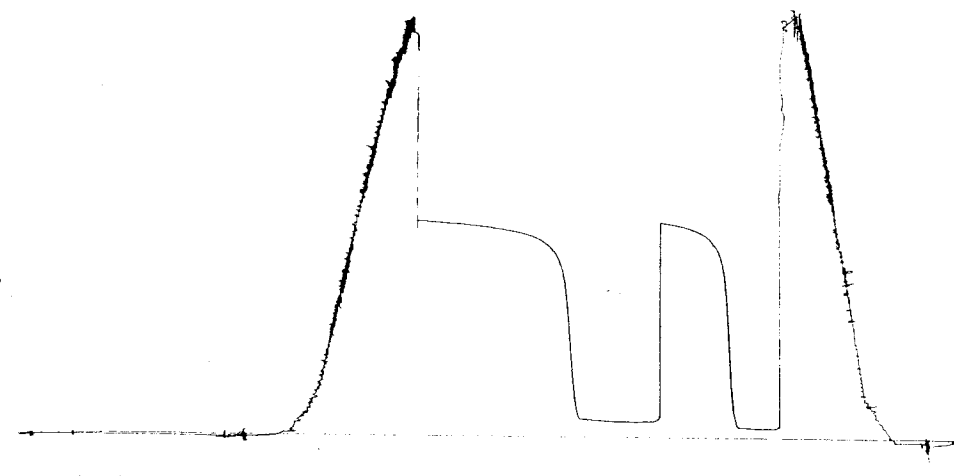


Inside Recorder

KT 19961
O

26047 DET 2

JD



Outside Recorder