

16-31-40w

ORIGINAL

FORMATION

CONFIDENTIAL

TEST

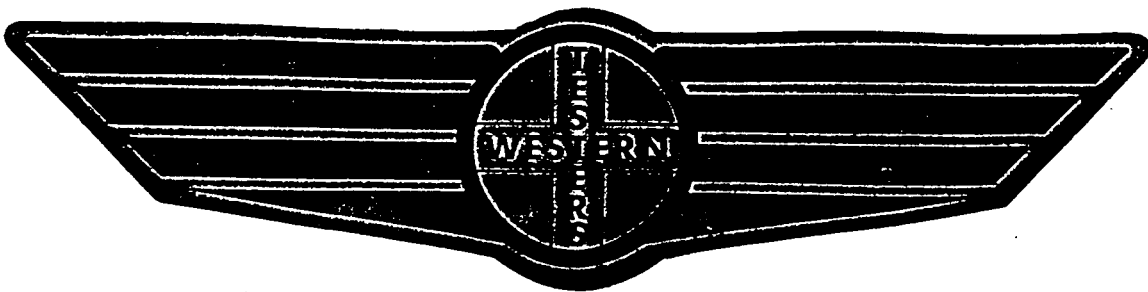
API# 15-129-21337

REPORT

RELEASED

JAN 11 1996

FROM CONFIDENTIAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 816-800-688-7021

RECEIVED
STATE CORPORATION COMMISSION

DEC 02 1994

CONSERVATION DIVISION
WICHITA, KANSAS

COMPANY STEELBAR OIL CORPORATION INCREASE & WFLI. NO. #1-16 MILBURN SEC. 16 TWP. 31S RGE. 40W TEST NO. 1 DATE 10/20/94

DST REPORT

RELEASED

JAN 11 1996

GENERAL INFORMATION

FROM CONFIDENTIAL

DATE : 10/20/94
CUSTOMER : STELBAR OIL CORPORATION
WELL : #1-16 TEST: 1
ELEVATION: 3310 KB
SECTION : 16
RANGE : 40W COUNTY: MORTON
GAUGE SN#: 10242 RANGE : 4100

TICKET : 20732
LEASE : MILBURN
GEOLOGIST: CALLEWAERT
FORMATION: MORROW
TOWNSHIP : 31S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5063.00 ft TO: 5117.00 ft TVD: 5117.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 5075.0 ft 5078.0 ft
TEMPERATURE: 142.0

DRILL COLLAR LENGTH:	359.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4676.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	54.0 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:	5058.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5063.0 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. : ABERCROMBIE RIG 5
MUD TYPE : CHEMICAL
WEIGHT : 8.900 ppg
CHLORIDES : 900 ppm
JARS-MAKE : WTC
DID WELL FLOW?: YES

VISCOSITY : 60.00 cp
WATER LOSS: 9.000 cc

SERIAL NUMBER: 408
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF
BUCKET IN 45 SECONDS. GAS TO SURFACE IN 3 MINUTES.
OIL TO SURFACE IN 20 MINUTES. FINAL FLOW PERIOD

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

BLEW GAS FOR 16 MINUTES - FLOWED OIL FOR FINAL
14 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1420.0	90.0	10.0	0.0	0.0	GASSY OIL
0.0	0.0	0.0	0.0	0.0	GRAVITY 40 @ 60 DEGREES F

RATE INFORMATION

OIL VOLUME:	14.9826 STB		
GAS VOLUME:	9.3475 SCF		
MUD VOLUME:	0.0000 STB		
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	14.9826 STB		
		TOTAL FLOW TIME:	60.0000 min.
		AVERAGE OIL RATE:	359.5825 STB/D
		AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2465.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	890.00	1083.00
INITIAL SHUT-IN	60.00		1745.00
FINAL FLOW	30.00	951.00	1163.00
FINAL SHUT-IN	90.00		1745.00

FINAL HYDROSTATIC PRESSURE: 2450.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2469.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	890.00	1096.00
INITIAL SHUT-IN	60.00		1758.00
FINAL FLOW	30.00	957.00	1175.00
FINAL SHUT-IN	90.00		1762.00

FINAL HYDROSTATIC PRESSURE: 2443.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE	: 10/20/94	TICKET	: 20732
CUSTOMER	: STELBAR OIL CORPORATION	LEASE	: MILBURN
WELL	: #1-16	TEST: 1	GEOLOGIST: CALLEWAERT
ELEVATION	: 3310 KB	FORMATION	: MORROW
SECTION	: 16	TOWNSHIP	: 31S
RANGE	: 40W	COUNTY: MORTON	STATE : KS
GAUGE SN#	: 10242	RANGE : 4100	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	0.500	5 PSIG	78100 SCF/D
10 MIN	MERLA	0.500	6 PSIG	86300 SCF/D
15 MIN	MERLA	0.500	4 PSIG	68800 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
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PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/20/94	TICKET : 20732
CUSTOMER : STELBAR OIL CORPORATION	LEASE : MILBURN
WELL : #1-16 TEST: 1	GEOLOGIST: CALLEWAERT
ELEVATION: 3310 KB	FORMATION: MORROW
SECTION : 16	TOWNSHIP : 31S
RANGE : 40W COUNTY: MORTON	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	890.00	890.00
5.00	911.00	21.00
10.00	926.00	15.00
15.00	989.00	63.00
20.00	1058.00	69.00
25.00	1085.00	27.00
30.00	1096.00	11.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1685.00	1685.00	11.00
6.00	1713.00	28.00	6.00
9.00	1726.00	13.00	4.33
12.00	1734.00	8.00	3.50
15.00	1739.00	5.00	3.00
18.00	1743.00	4.00	2.67
21.00	1747.00	4.00	2.43
24.00	1749.00	2.00	2.25
27.00	1751.00	2.00	2.11
30.00	1753.00	2.00	2.00
33.00	1755.00	2.00	1.91
36.00	1756.00	1.00	1.83
39.00	1757.00	1.00	1.77
42.00	1758.00	1.00	1.71
45.00	1758.00	0.00	1.67
48.00	1758.00	0.00	1.63
51.00	1758.00	0.00	1.59
54.00	1758.00	0.00	1.56
57.00	1758.00	0.00	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	1758.00	0.00	1.50

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	957.00	957.00
5.00	964.00	7.00
10.00	1002.00	38.00
15.00	1085.00	83.00
20.00	1156.00	71.00
25.00	1170.00	14.00
30.00	1175.00	5.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1664.00	1664.00	11.00
6.00	1709.00	45.00	6.00
9.00	1726.00	17.00	4.33
12.00	1732.00	6.00	3.50
15.00	1739.00	7.00	3.00
18.00	1743.00	4.00	2.67
21.00	1745.00	2.00	2.43
24.00	1747.00	2.00	2.25
27.00	1749.00	2.00	2.11
30.00	1751.00	2.00	2.00
33.00	1753.00	2.00	1.91
36.00	1754.00	1.00	1.83
39.00	1757.00	3.00	1.77
42.00	1756.00	-1.00	1.71
45.00	1756.00	0.00	1.67
48.00	1757.00	1.00	1.63
51.00	1757.00	0.00	1.59
54.00	1757.00	0.00	1.56
57.00	1758.00	1.00	1.53
60.00	1758.00	0.00	1.50
63.00	1759.00	1.00	1.48
66.00	1759.00	0.00	1.45

PRESSURE TRANSIENT REPORT (CONTINUED)

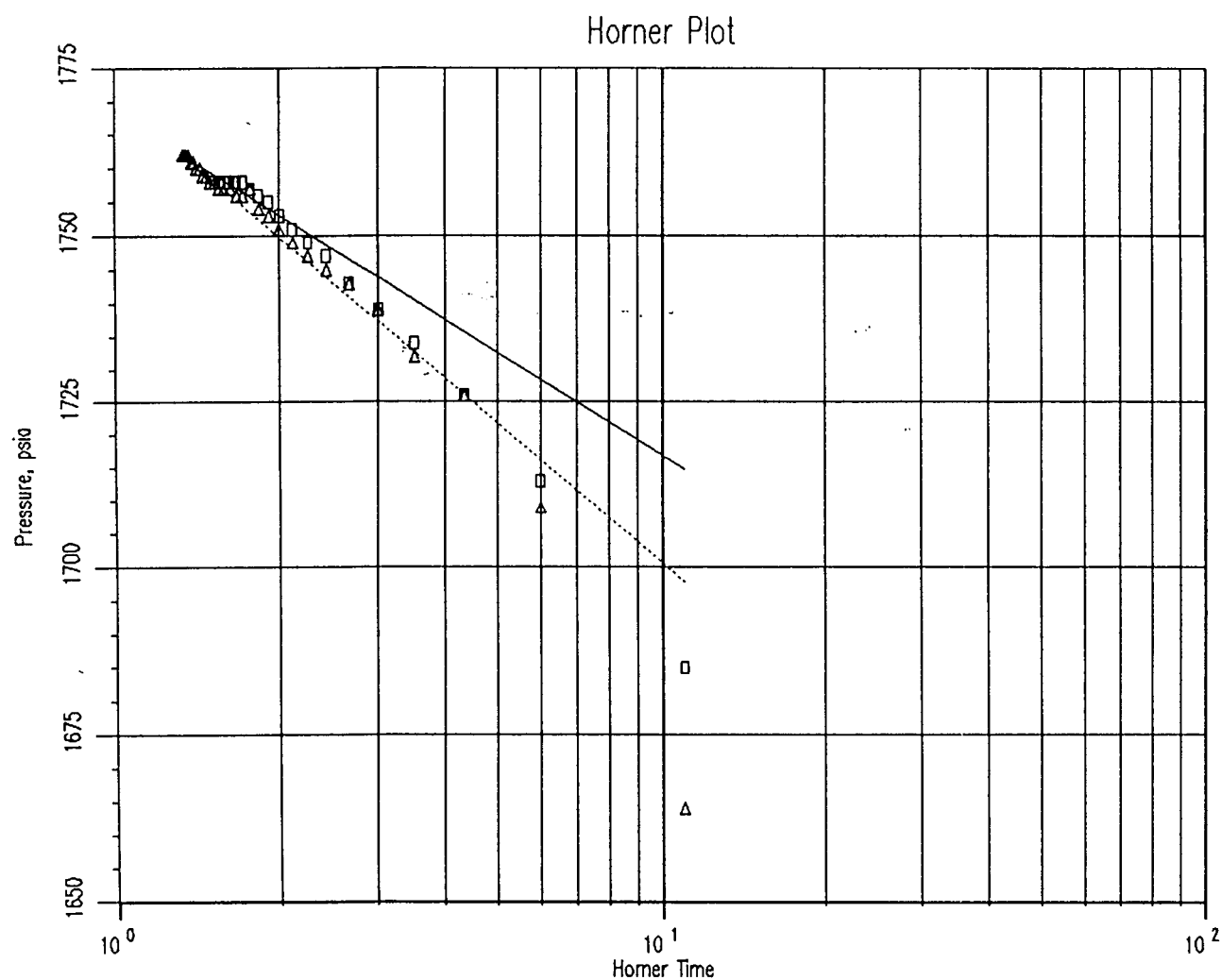
FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
69.00	1760.00	1.00	1.43
72.00	1760.00	0.00	1.42
75.00	1761.00	1.00	1.40
78.00	1761.00	0.00	1.38
81.00	1762.00	1.00	1.37
84.00	1762.00	0.00	1.36
87.00	1762.00	0.00	1.34
90.00	1762.00	0.00	1.33

DATE 10/20/94
 CUSTOMER STELABR OIL CORPORATION
 WELL #1-16
 ELEVATION 3310 KB
 SECTION 16
 RANGE 40W
 GAUGE SN# 10242

TEST 1
 COUNTY MORTON
 RANGE 4100

TICKET 20732
 LEASE MILBURN
 GEOLOGIST CALLEWAERT
 FORMATION MORROW
 TOWNSHIP 31S
 STATE KS
 CLOCK 12



Result

	#1	#2
tp, hrs	0.50	0.50
Slope	-51.50	-70.32
Pstar, psig	1768.56	1770.98
P1hr, psig	1759.49	1758.60
Skin	10.81	5.69
k, md	37.55	27.50
kh/u, md-ft/cp	1389.22	1017.44
ri, ft	29.91	25.60
DR, %	3.25	2.17
Drawdown Factor, %		-0.228
Drawdown P*, %		-0.137

— BUILD 1
 BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE : 10/20/94	TICKET : 20732
CUSTOMER : STELABR OIL CORPORATION	LEASE : MILBURN
WELL : #1-16 TEST: 1	GEOLOGIST: CALLEWAERT
ELEVATION: 3310 KB	FORMATION: MORROW
SECTION : 16	TOWNSHIP : 31S
RANGE : 40W COUNTY: MORTON	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

Input Data

Porosity 0.200 Rw: 0.328 ft h: 22.000 ft
 qo 359.6 STB GOR 451.8 SCF/STB

Pvt Data
 Evalutation Pressure : 1758.0
 Evalutation Temperature: 142.0

Oil Grav 40.00 API	Gas Grav 0.65 API	Pb 1758.00 PSIA
Bo 1.224 RBL/STB	Vis 1.000 cp	Ct 1.8615E-004 1/PSI

Horner Results

	Inital Shut-In	Final Shut-In
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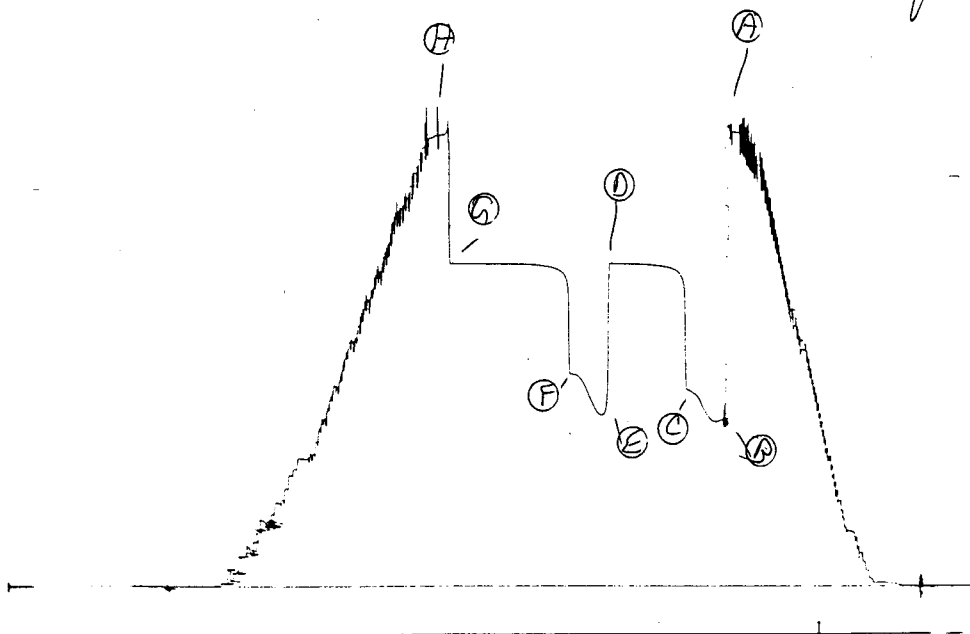
pseudo pressure time	0.50 hrs	0.50 hrs
slope	-51.50	-70.32
pstar	1768.56 psig	1770.98 psig
plhr	1759.49 psig	1758.60 psig
skin	10.81	5.69
permeability	37.55 md	27.50 md
transmisability	1389.22 md-ft/cp	1017.44 md-ft/cp
radius of investigation	29.91 ft	25.60 ft
Damage-Ratio	3.2 percent	2.2 percent
Drawdown Factor		-0.228 percent
Drawdown P*		-0.137 percent

WKT 20722

10242 DST/

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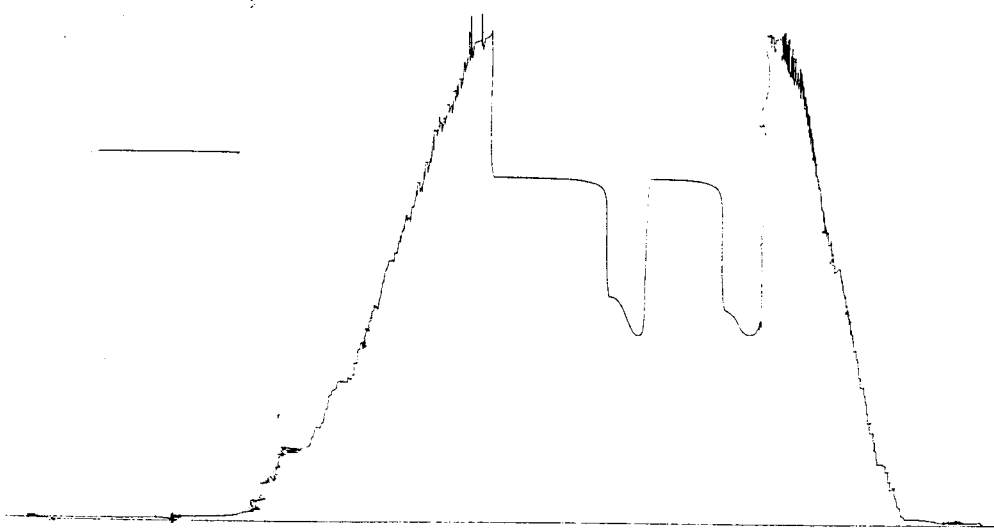
Inside Recorder

WKT 20722

13759 DST/

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COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test.

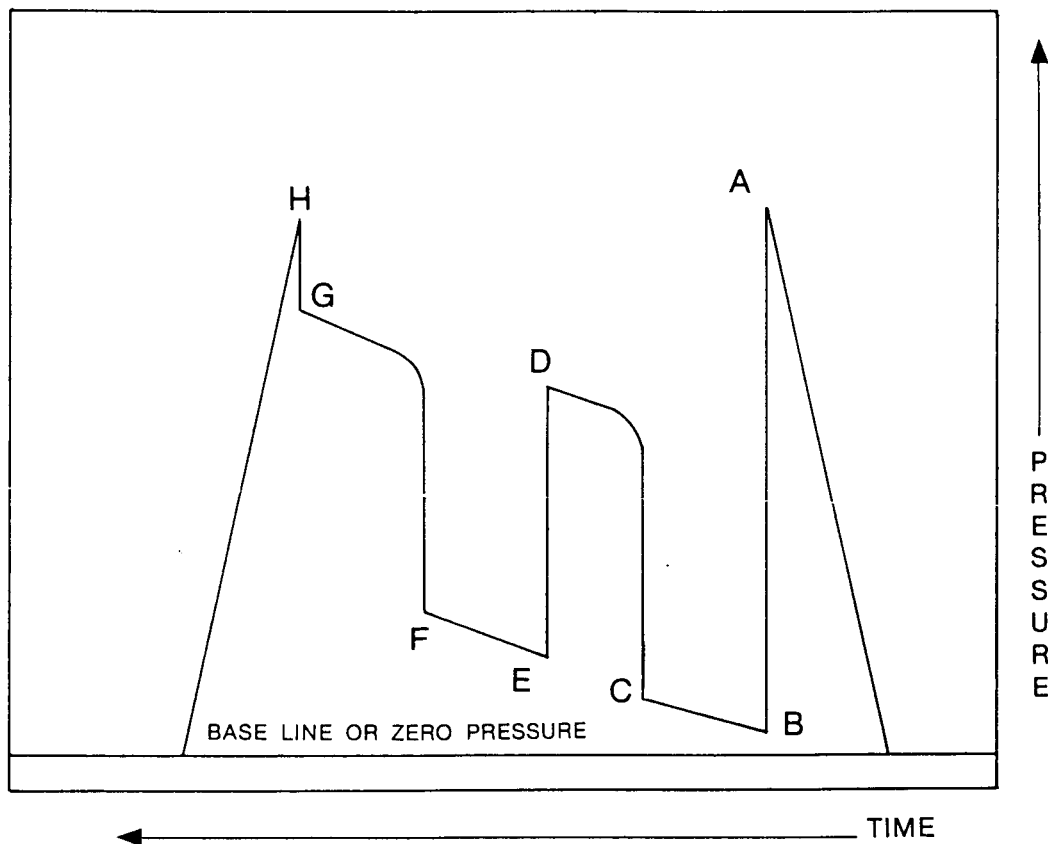
Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

RELEASED

JAN 11 1996

FROM CONFIDENTIAL

AK-1 Recorders



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow

D - Initial Shut-In

E - Second Initial Flow

F - Second Final Flow

G - Final Shut-In

H - Final Hydrostatic