Well Name: Terry Soloman 32-2
Company: Hal C. Porter
Location: 32-11s-19w
Ellis county Kansas
Date: 8-12-99

TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter — DATE 8-10-99
WELL NAME: Terry Soloman #32-2 — KB 2105.00 ft — TICKET NO: 12289 — DST #1
LOCATION : 32-11s-19w Ellis co KS — GR 2100.00 ft — FORMATION: Arbuckle
INTERVAL : 3665.00 To 3675.00 ft — TD 3675.00 ft — TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	15	Rec.	11085	11085	3027		
SI	15	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0
SF	30	Clock(hrs)	12hr	12	elec		
FS	30	Depth(ft)	3655.0	3655.0	3667.0	0.0	0.0

TIME DATA----------
PF Fr. 1054 to 1109 hr
IS Fr. 1109 to 1124 hr
SF Fr. 1124 to 1154 hr
FS Fr. 1154 to 1224 hr

	Field	1	2	3	4
A. Init Hydro	1831.0	1833.0	1822.0	0.0	0.0
B. First Flow	55.0	73.0	17.0	0.0	0.0
B1. Final Flow	55.0	69.0	22.0	0.0	0.0
C. In Shut-in	637.0	636.0	662.0	0.0	0.0
D. Init Flow	66.0	73.0	23.0	0.0	0.0
E. Final Flow	66.0	73.0	27.0	0.0	0.0
F. Fl Shut-in	702.0	717.0	722.0	0.0	0.0
G. Final Hydro	1821.0	1831.0	1800.0	0.0	0.0
Inside/Outside	o	o	i		

T STARTED 0909 hr
T ON BOTM 1051 hr
T OPEN 1054 hr
T PULLED 1224 hr
T OUT 1402 hr

TOOL DATA----------

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3130.00 ft

RECOVERY
Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
5.00 ft of Oil cut mud 8%oil 92%mud
0.00 ft of with show of clean oil , top of fluid
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA----------

Mud Type	chemical
Weight	9.40 lb/ci
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION
Initial Flow:
Very weak blow died in 12 mins.
Final Flow:
No blow

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: Terry Soloman #32-2

OCATION : 32-11s-19w Ellis co KS

ICKET No. 12289 D.S.T. No. 1 DATE 8-10-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 25

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 10

OTAL TOOL 35

RILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY .....

.C. ABOVE TOOLS.Stands9 Single Total 520

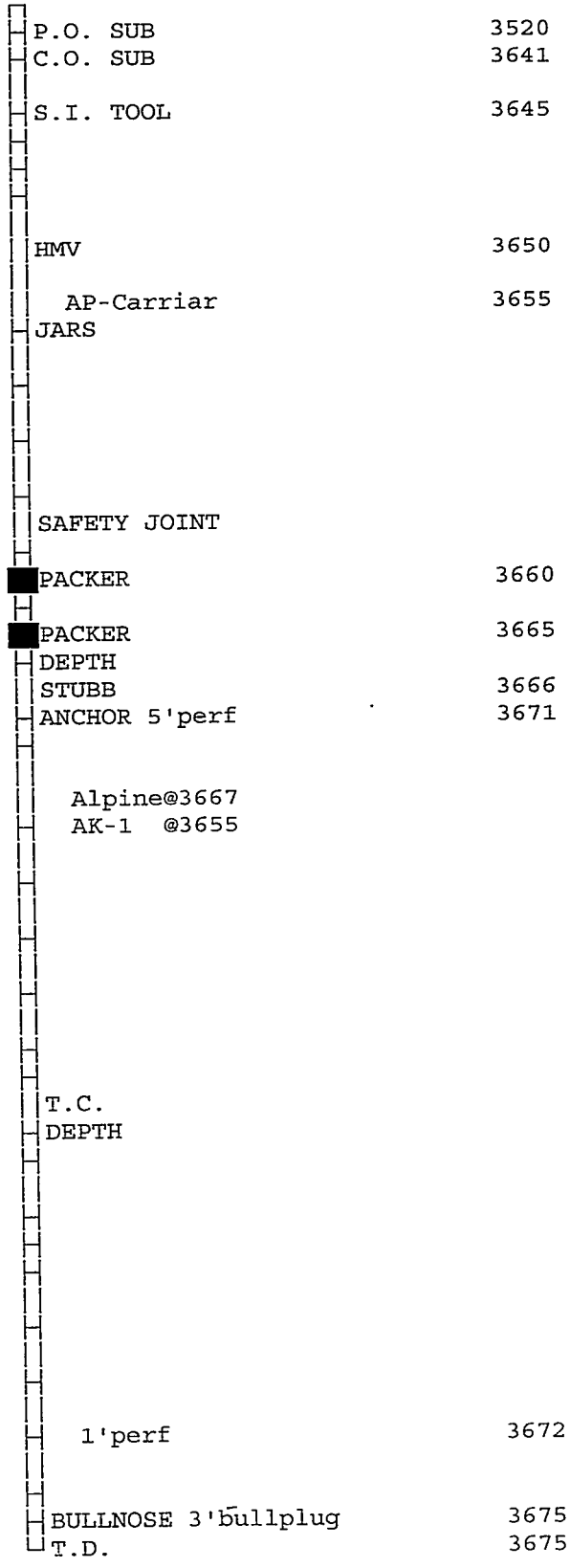
.P. ABOVE TOOLS.Stands50 Single 1 Total 3130

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3685

OTAL DEPTH 3675

OTAL DRILL PIPE ABOVE K.B. 10

EMARKS:



TEST HISTORY

12289 DST#1 Terry Soloman #32-2 Hal C. Porter

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1822.22
B:	0.00	17.85
C:	16.50	22.01
D:	15.50	662.91
E:	0.00	23.16
F:	30.00	27.44
G:	30.00	722.59
Q:	0.00	1800.23

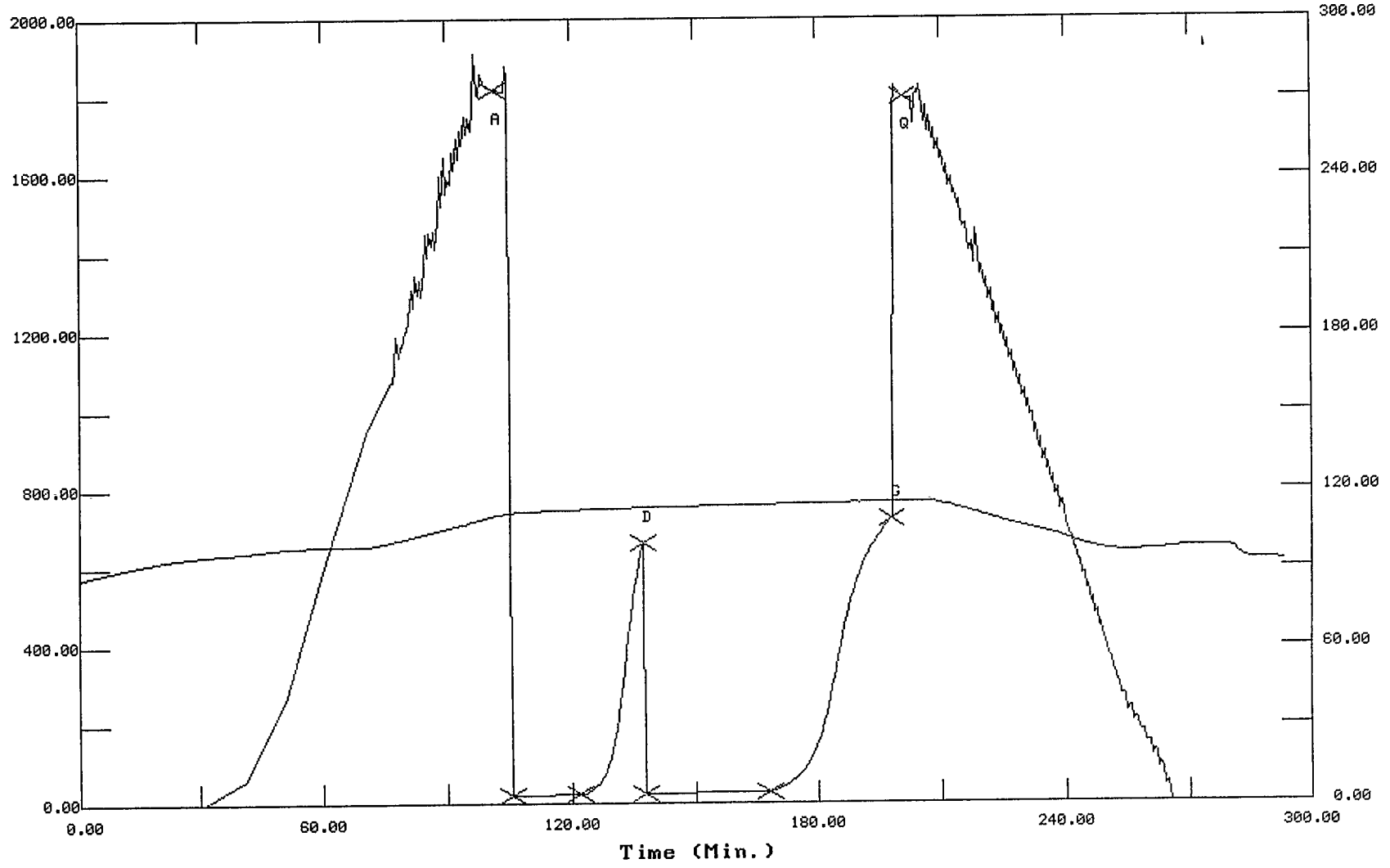
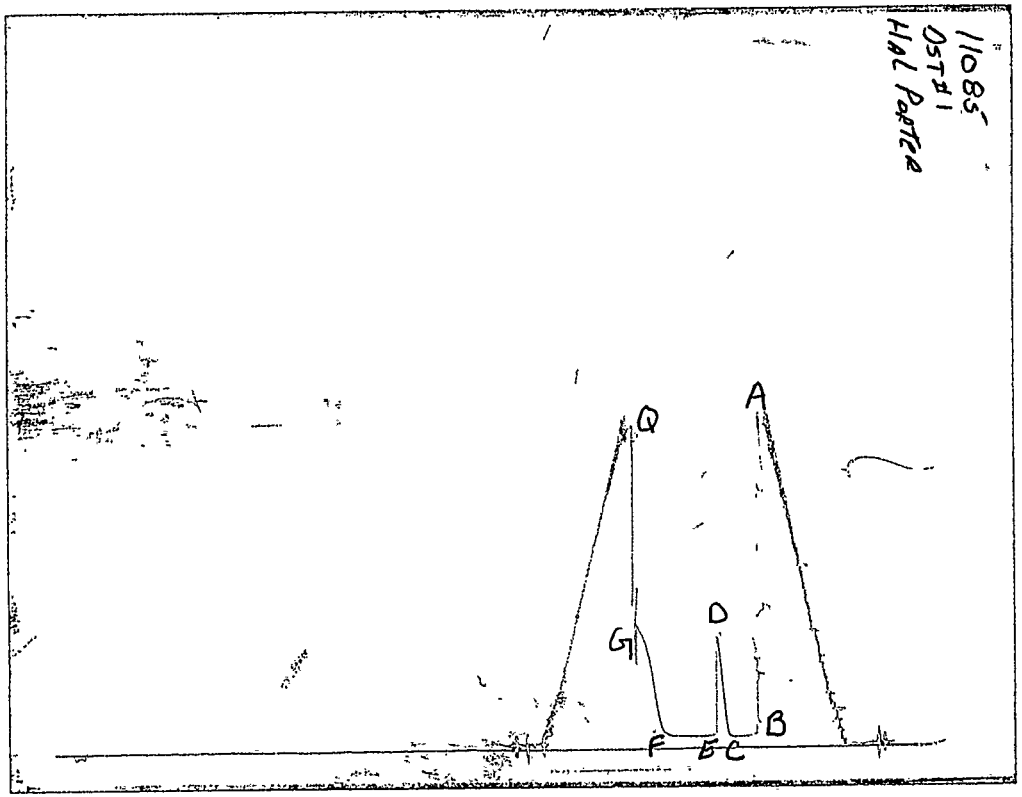


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter DATE 8-10-99
WELL NAME: Terry Soloman #32-2 KB 2105.00 ft TICKET NO: 12290 DST #2
LOCATION : 32-11s-19w Ellis co KS GR 2100.00 ft FORMATION: Arbuckle
INTERVAL : 3665.00 To 3681.00 ft TD 3681.00 ft TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	15	Rec.	11085	11085	3027		
SI	15	Range(Psi)	4300.0	1300.0	4995.0	0.0	0.0
SF	30	Clock(hrs)	12hr	12	elec		
FS	45	Depth(ft)	3672.0	3672.0	3667.0	0.0	0.0

TIME DATA----------
PF Fr. 2143 to 2158 hr
IS Fr. 2158 to 2213 hr
SF Fr. 2213 to 2243 hr
FS Fr. 2243 to 2328 hr

	Field	1	2	3	4
A. Init Hydro	1766.0	1801.0	1847.0	0.0	0.0
B. First Flow	11.0	5.0	16.0	0.0	0.0
B1. Final Flow	11.0	5.0	22.0	0.0	0.0
C. In Shut-in	854.0	867.0	945.0	0.0	0.0
D. Init Flow	11.0	5.0	25.0	0.0	0.0
E. Final Flow	11.0	5.0	34.0	0.0	0.0
F. Fl Shut-in	963.0	878.0	1051.0	0.0	0.0
G. Final Hydro	1722.0	1749.0	1780.0	0.0	0.0
Inside/Outside	o	o	i		

T STARTED 1907 hr
T ON BOTM 2140 hr
T OPEN 2143 hr
T PULLED 2328 hr
T OUT 0126 hr

TOOL DATA----------

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	64000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	58000.00 lbs
Bot Choke	0.75 in
Hole Size	6.75 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3130.00 ft

RECOVERY
Tot Fluid 12.00 ft of 12.00 ft in DC and 0.00 ft in DP
2.00 ft of Clean oil
10.00 ft of Heavy oil cut mud 20%oil 80%mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA----------

Mud Type	chemical
Weight	9.40 lb/cf
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg.
Rig #	8
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
Very weak surface blow throughout
Final Flow:
No blow

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: Terry Soloman #32-2

OCATION : 32-11s-19w Ellis co KS

ICKET No. 12290 D.S.T. No. 2 DATE 8-10-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 20

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 16

OTAL TOOL 36

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY .....

.C. ABOVE TOOLS.Stands9 Single Total 520

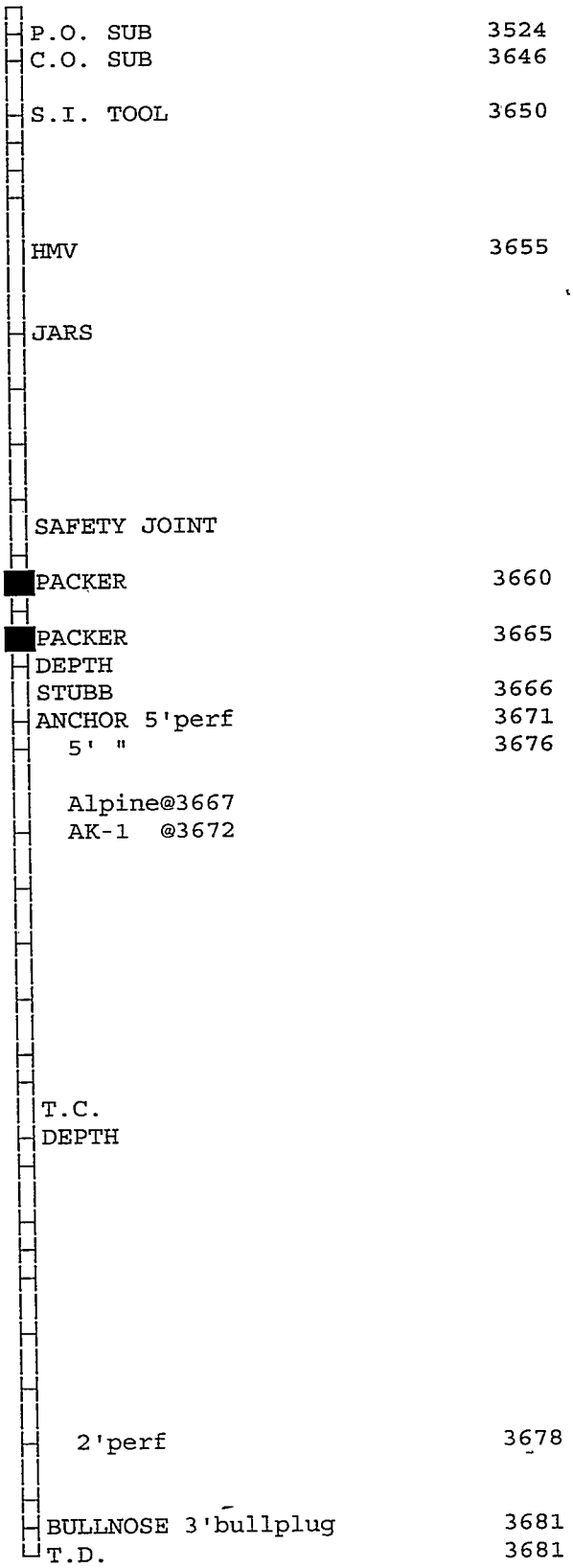
.P. ABOVE TOOLS.Stands50 Single 1 Total 3130

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3686

OTAL DEPTH 3681

'OTAL DRILL PIPE ABOVE K.B. 5

EMARKS:



TEST HISTORY

12290 DST#2 Terry Soloman #32-2 Hal C. Porter

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1847.32
B:	0.00	16.29
C:	15.50	22.61
D:	15.50	945.81
E:	0.00	25.24
F:	29.50	34.85
G:	44.50	1051.81
Q:	0.00	1780.04

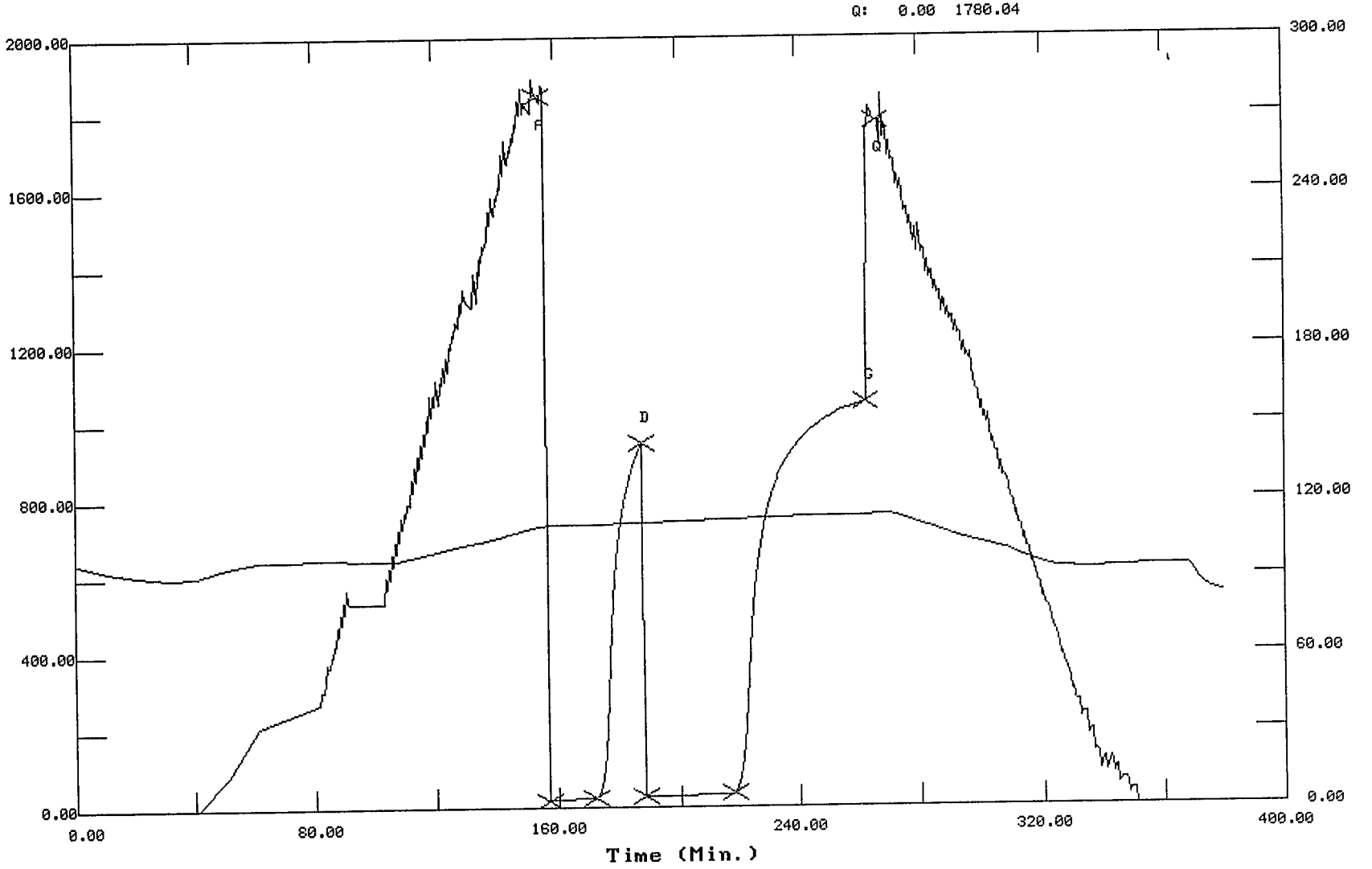
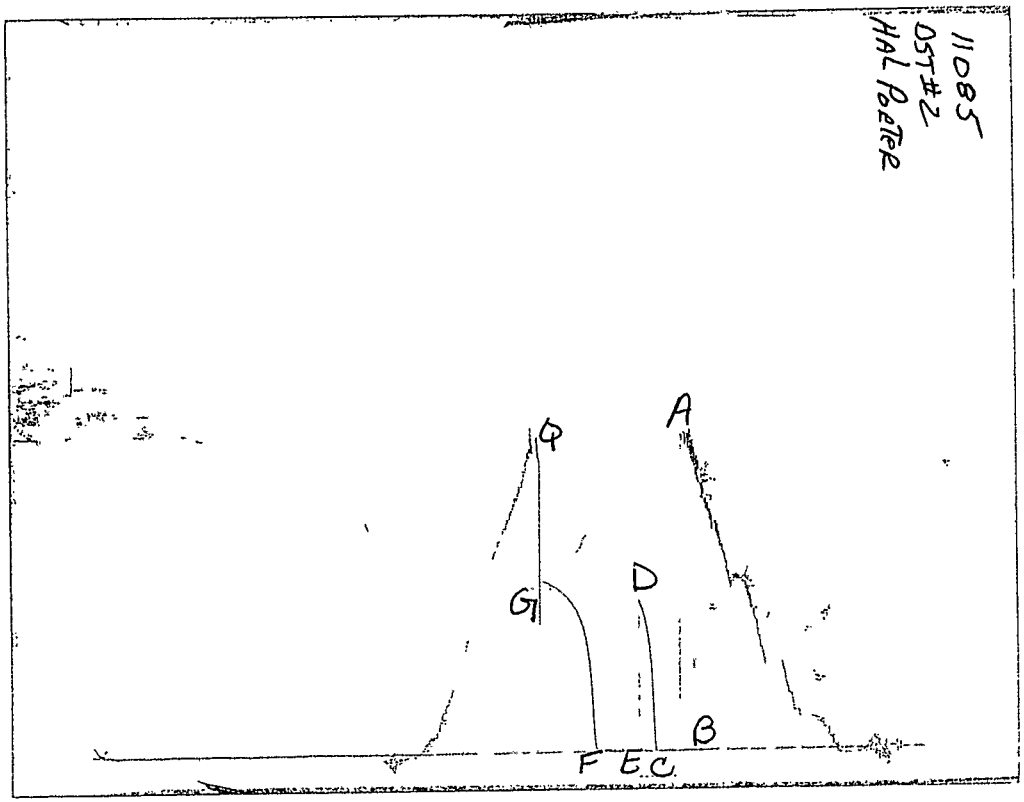


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter
WELL NAME: Terry Soloman #32-2
LOCATION : 32-11s-19w Ellis co KS
INTERVAL : 3674.00 To 3686.00 ft

DATE 8-11-99
KB 2105.00 ft
GR 2100.00 ft
TD 3686.00 ft

TICKET NO: 12291 DST #3
FORMATION: Arbuckle
TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11085	11085	3027		
SI 45	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12hr	12	elec		
FS 60	Depth(ft)	3683.0	3683.0	3677.0	0.0	0.0

TIME DATA----------
PF Fr. 0912 to 0942 hr
IS Fr. 0942 to 1027 hr
SF Fr. 1027 to 1127 hr
FS Fr. 1127 to 1227 hr

	Field	1	2	3	4
A. Init Hydro	1852.0	1885.0	1839.0	0.0	0.0
B. First Flow	77.0	81.0	17.0	0.0	0.0
B1. Final Flow	77.0	75.0	29.0	0.0	0.0
C. In Shut-in	1017.0	1019.0	1034.0	0.0	0.0
D. Init Flow	88.0	90.0	30.0	0.0	0.0
E. Final Flow	88.0	90.0	42.0	0.0	0.0
F. Fl Shut-in	973.0	971.0	987.0	0.0	0.0
G. Final Hydro	1809.0	1756.0	1795.0	0.0	0.0
Inside/Outside		o	o	i	

T STARTED 0729 hr
T ON BOTM 0909 hr
T OPEN 0912 hr
T PULLED 1227 hr
T OUT 1415 hr

TOOL DATA----------

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3161.00 ft

RECOVERY
Tot Fluid 65.00 ft of 65.00 ft in DC and 0.00 ft in DP
25.00 ft of clean oil
40.00 ft of Oil cut mud 10%oil 90%mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 29.00

BLOW DESCRIPTION
Initial Flow:
Weak blow throughout 1/4" to 1" blow
Final Flow:
Weak blow throughout 1/4" to 1/2" blow

MUD DATA----------

Mud Type	chemical
Weight	9.40 lb/cf
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg.
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: Terry Soloman #32-2

OCATION : 32-11s-19w Ellis co KS

ICKET No. 12291 D.S.T. No. 3 DATE 8-11-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 20

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 12

OTAL TOOL 32

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY .....

.C. ABOVE TOOLS.Stands9 Single Total 520

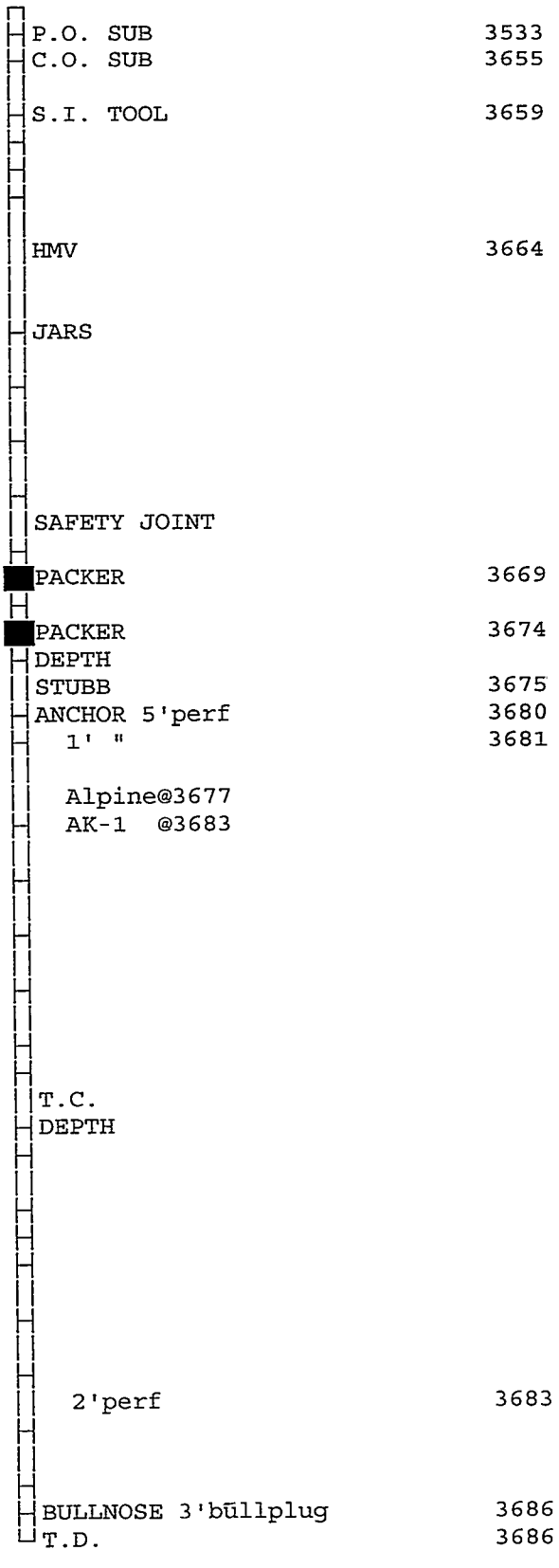
.P. ABOVE TOOLS.Stands51 Single Total 3161

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3713

OTAL DEPTH 3686

OTAL DRILL PIPE ABOVE K.B. 27

EMARKS:



TEST HISTORY

12291 DST#3 Terry Soloman #32-2 Hal C.Porter

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1839.69
B:	0.00	17.37
C:	29.00	29.50
D:	46.00	1034.83
E:	0.00	30.99
F:	59.50	42.72
G:	59.50	987.45
Q:	0.00	1795.41

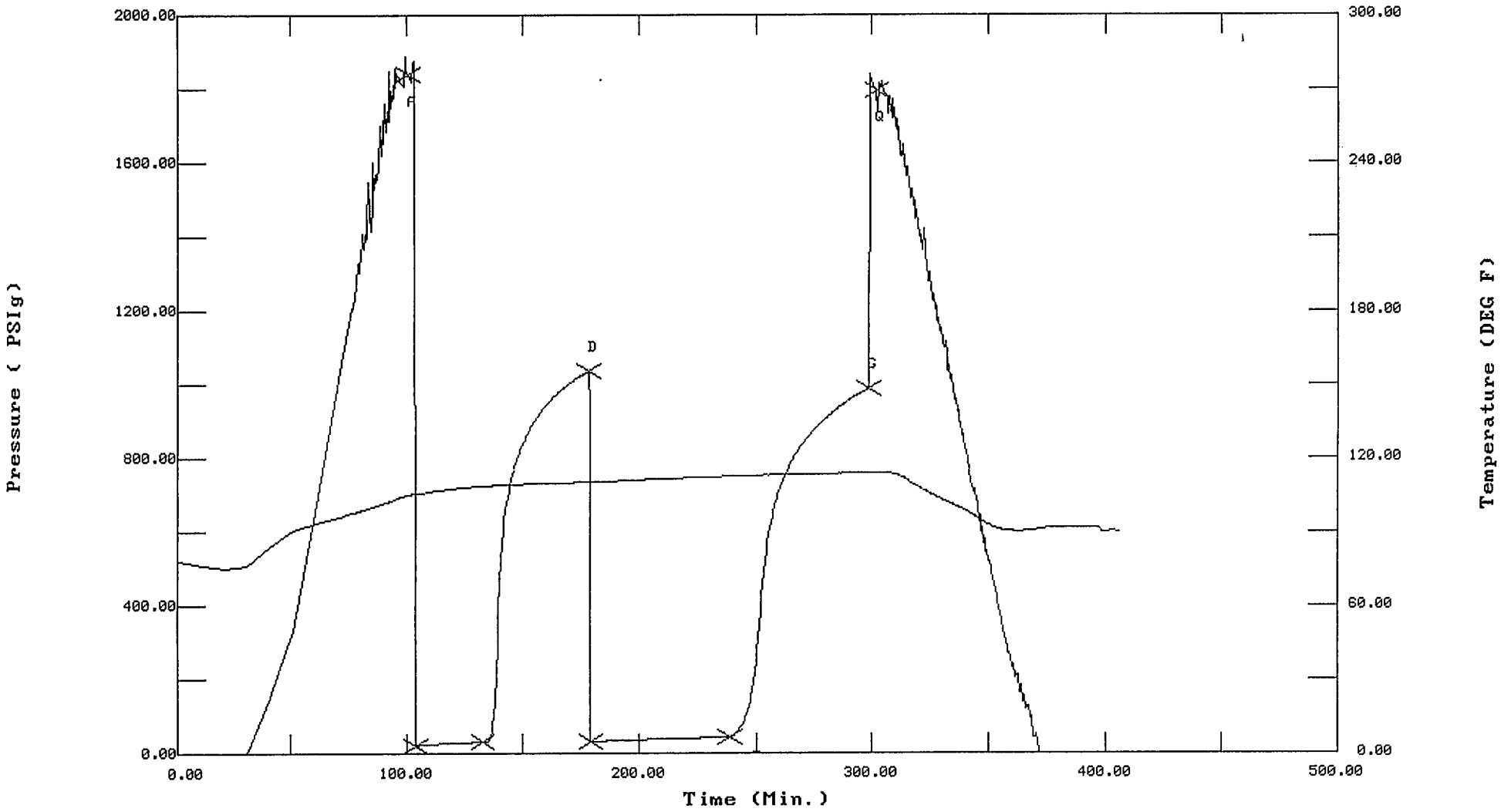
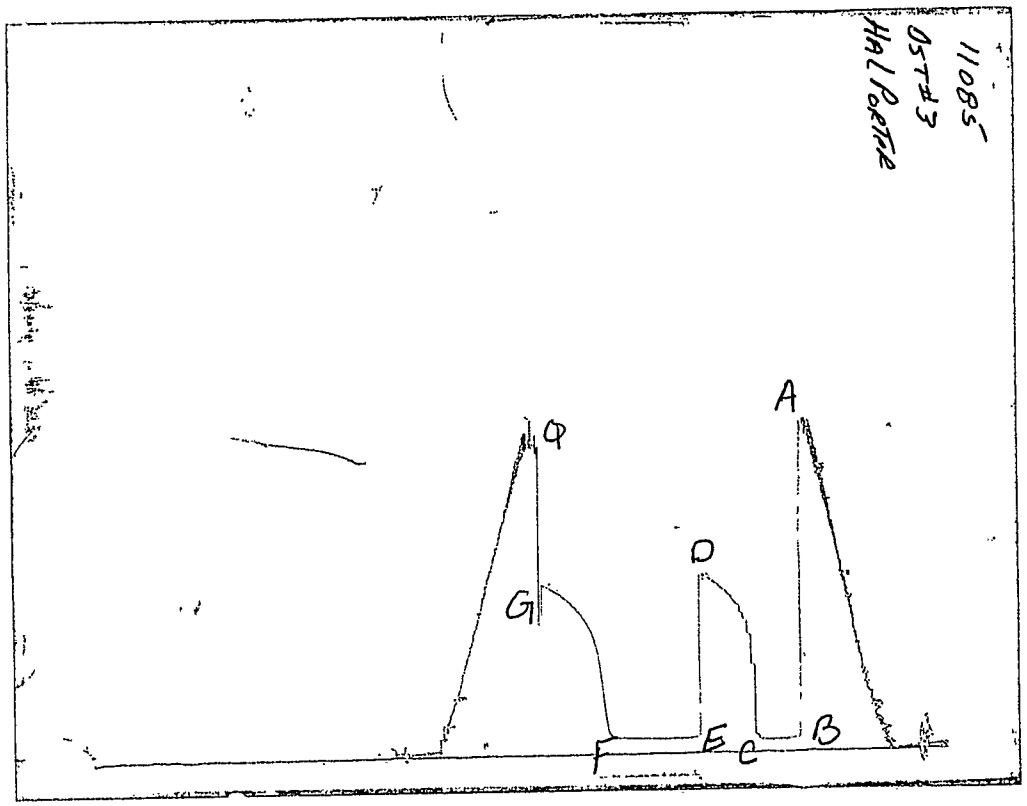


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter
WELL NAME: Terry Soloman #32-2
LOCATION : 32-11s-19w Ellis co KS
INTERVAL : 3681.00 To 3694.00 ft

DATE 8-11-99
KB 2105.00 ft
GR 2100.00 ft
TD 3694.00 ft

TICKET NO: 12292 DST #4
FORMATION: Arbuckle
TEST TYPE: CONV

RECORDER DATA

Mins			Field	1	2	3	4
PF	15	Rec.	11085	11085	3027		
SI	15	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0
SF	30	Clock(hrs)	12hr	12	elec		
FS	30	Depth(ft)	3691.0	3691.0	3684.0	0.0	0.0

TIME DATA----------
PF Fr. 2217 to 2232 hr
IS Fr. 2232 to 2247 hr
SF Fr. 2247 to 2317 hr
FS Fr. 2317 to 2347 hr

	Field	1	2	3	4
A. Init Hydro	1809.0	1816.0	1844.0	0.0	0.0
B. First Flow	22.0	35.0	18.0	0.0	0.0
B1. Final Flow	22.0	35.0	44.0	0.0	0.0
C. In Shut-in	1060.0	1064.0	1117.0	0.0	0.0
D. Init Flow	44.0	60.0	44.0	0.0	0.0
E. Final Flow	44.0	60.0	79.0	0.0	0.0
F. Fl Shut-in	1093.0	1095.0	1138.0	0.0	0.0
G. Final Hydro	1777.0	1744.0	1799.0	0.0	0.0
Inside/Outside	o	o	i		

T STARTED 1959 hr
T ON BOTM 2214 hr
T OPEN 2217 hr
T PULLED 2347 hr
T OUT 0151 hr

RECOVERY
Tot Fluid 140.00 ft of 140.00 ft in DC and 0.00 ft in DP
140.00 ft of Muddy water 20%mud 80%water
0.00 ft of RW .30 @ 82F
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 22000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	85000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	58000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3161.00 ft

BLOW DESCRIPTION
Initial Flow:
Very weak surface blow throughout
Final Flow:
Weak building blow 1/4" to 3" blow

MUD DATA----------

Mud Type	chemical
Weight	9.40 lb/cf
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg.
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

LL NAME: Terry Soloman #32-2

CATION : 32-11s-19w Ellis co KS

CKET No. 12292 D.S.T. No. 4 DATE 8-11-99

TAL TOOL TO BOTTOM OF TOP PACKERS 20

TERVAL TOOL .....

TTOM PACKERS AND ANCHOR 13

TAL TOOL 33

RILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TAL ASSEMBLY .....

C. ABOVE TOOLS.Stands9 Single Total 520

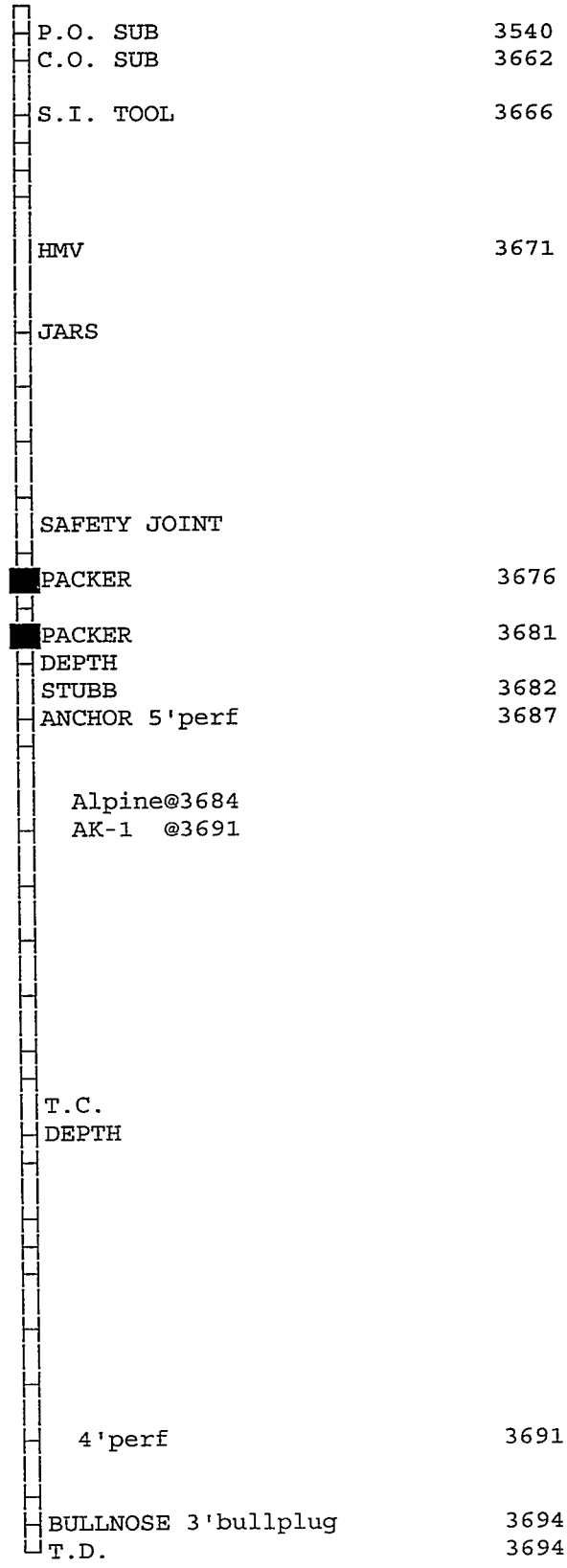
.P. ABOVE TOOLS.Stands51 Single Total 3161

TAL DRILL COLLARS DRILL PIPE & TOOLS .. 3714

TAL DEPTH 3694

TAL DRILL PIPE ABOVE K.B. 20

EMARKS:



TEST HISTORY

12292 DST#4 Terry Soloman #32-2 Hal C. Porter

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1844.05
B:	0.00	18.35
C:	15.00	41.50
D:	13.50	1117.48
E:	0.00	44.08
F:	30.00	79.97
G:	30.00	1138.25
Q:	0.00	1799.93

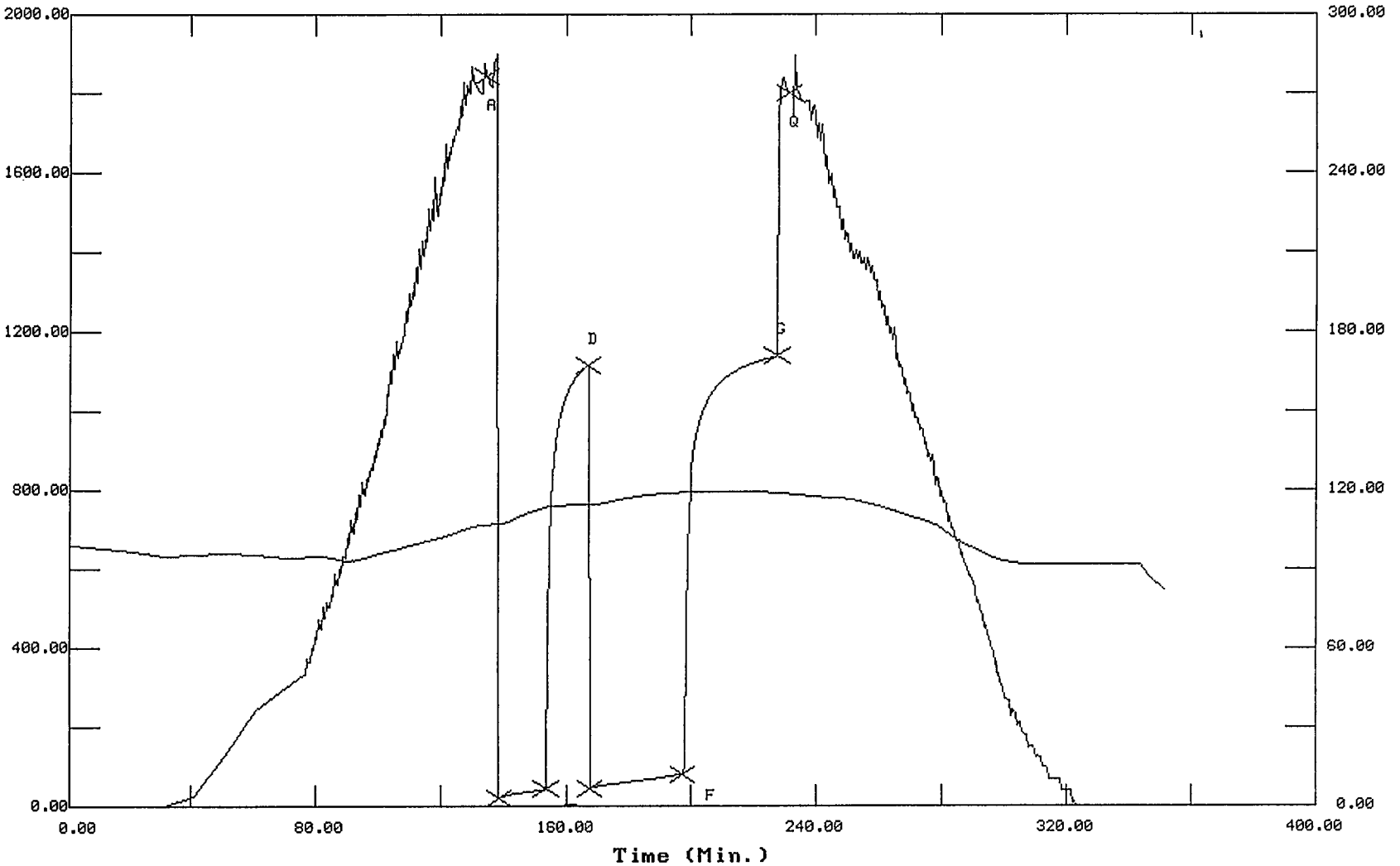
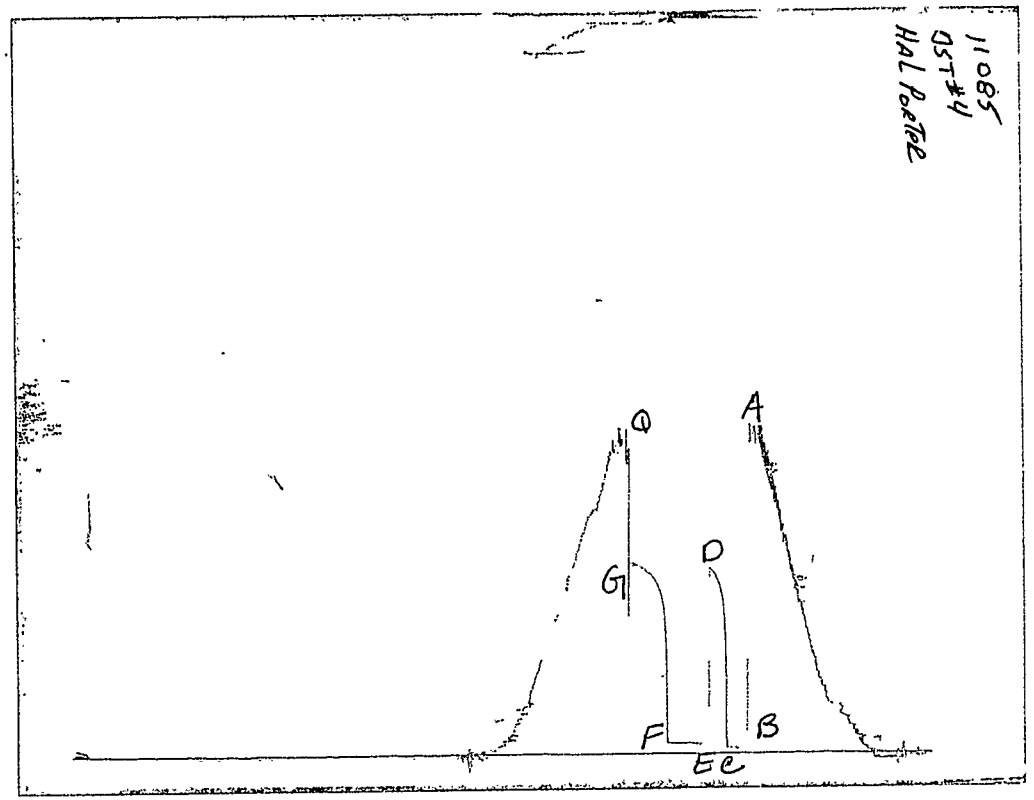


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart