

WELL NAME: Weisenberger 1-18
COMPANY: Cross Bar Petro. Inc.
LOCATION: 18-18S-31W
Scott County, Kansas
DATE: 3/5/98

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petro.Inc.

DATE 02-23-98

WELL NAME: Weisenberger 1-18

KB 2965.00 ft TICKET NO: 10900 DST #1

LOCATION : 18-18s-31w

GR 2960.00 ft FORMATION: Lansing

INTERVAL : 3942.00 To 3955.00 ft

TD 3955.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10270	10270	3027			PF Fr. 2330 to 0000 hr
SI 30 Range(Psi)	4150.0	4150.0	4995.0	0.0	0.0	IS Fr. 0000 to 0030 hr
SF 30 Clock(hrs)	12hr	12hr	elec			SF Fr. 0030 to 0100 hr
FS 30 Depth(ft)	3952.0	3952.0	3945.0	0.0	0.0	FS Fr. 0100 to 0130 hr

	Field	1	2	3	4	
A. Init Hydro	1910.0	1916.0	1909.0	0.0	0.0	T STARTED 2140 hr
B. First Flow	31.0	39.0	15.0	0.0	0.0	T ON BOTM 2327 hr
B1. Final Flow	31.0	51.0	17.0	0.0	0.0	T OPEN 2330 hr
C. In Shut-in	124.0	133.0	152.0	0.0	0.0	T PULLED 0130 hr
D. Init Flow	52.0	91.0	17.0	0.0	0.0	T OUT 0310 hr
E. Final Flow	52.0	57.0	17.0	0.0	0.0	
F. Fl Shut-in	52.0	67.0	45.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1941.0	1931.0	1893.0	0.0	0.0	Tool Wt. 2900.00 lbs
Inside/Outside	o	I	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 54000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3942.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP

5.00 ft of 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

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak blow died in 12 mins

Initial Shut-in:

Very weak blow, flushed tool

MUD DATA-----

Mud Type Chemical

Weight 9.20 lb/c

Vis. 43.00 S/L

W.L. 8.00 in3

F.C. 0.00 in

Mud Drop

Amt. of fill 0.00 ft

Btm. H. Temp. 116.00 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. Harold Trapp

Contr. LD Drlg

Rig # 1

Unit #

Pump T.

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18s-31w

TICKET No. 10900 D.S.T. No. 1 DATE 02-23-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 13

TOTAL TOOL 41

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands62 Single 1 Total 3934

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3975

TOTAL DEPTH 3955

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

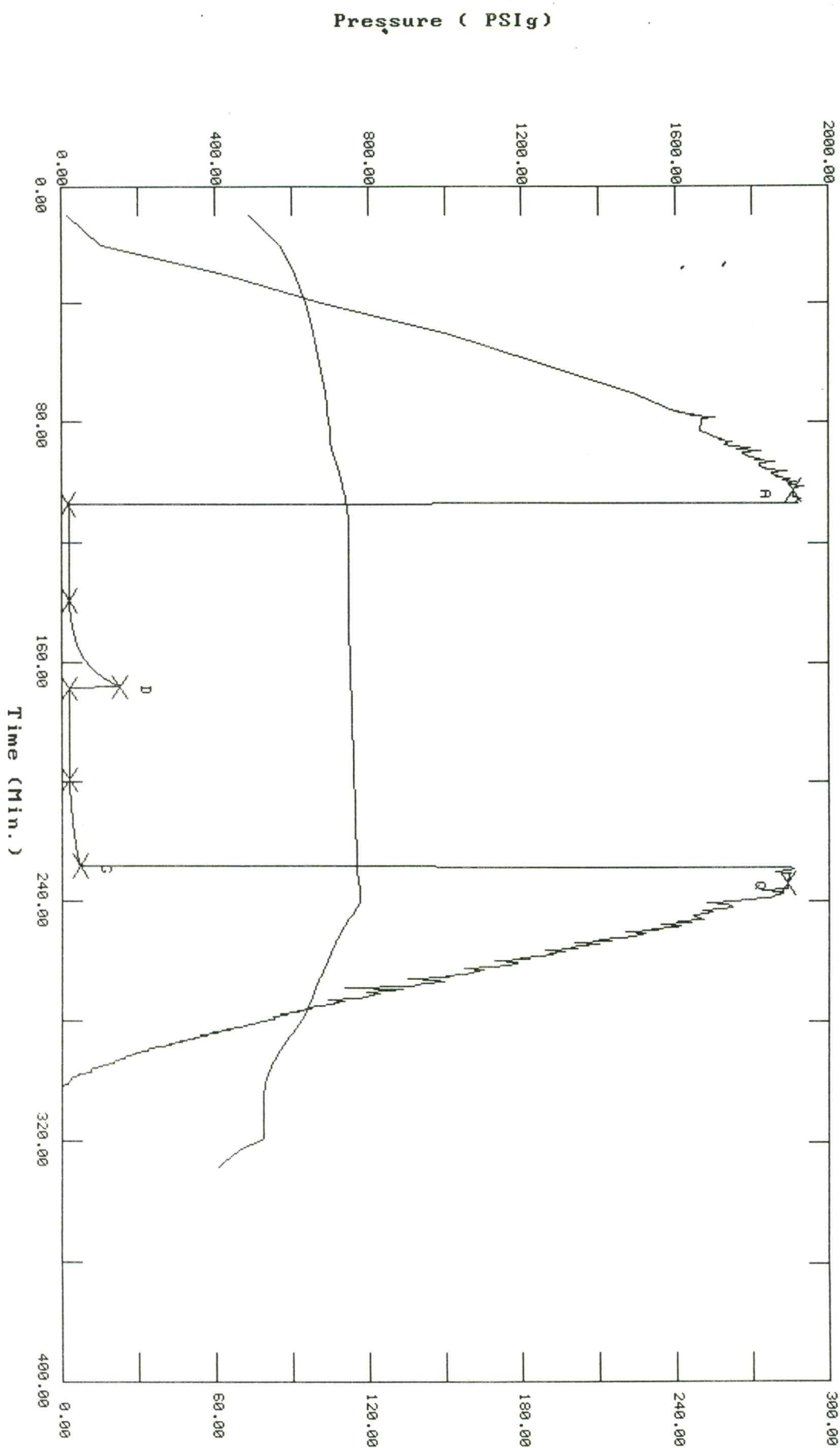
P.O. SUB	3792
C.O. SUB	3914
S.I. TOOL	3918
HMV	3923
JARS	3928
SAFETY JOINT	3933
PACKER	3937
PACKER	3942
DEPTH	
STUBB 1'	3943
ANCHOR	
Alpine@3945	
AK-1@3952	
T.C.	
DEPTH	
1'perf	3944
5' "	3949
4' "	3953
BULLNOSE 2'Bullplug	3955
T.D.	3955

TEST HISTORY

10990 DST#1 Weisenberger 1-18 Cross Bar Petro. Inc.

Flag Points

t (Min.)	P (PSig)
A: 0.00	1909.70
B: 0.00	15.28
C: 32.00	17.49
D: 29.00	152.31
E: 0.00	17.43
F: 30.50	17.73
G: 28.50	45.59
Q: 0.00	1893.76



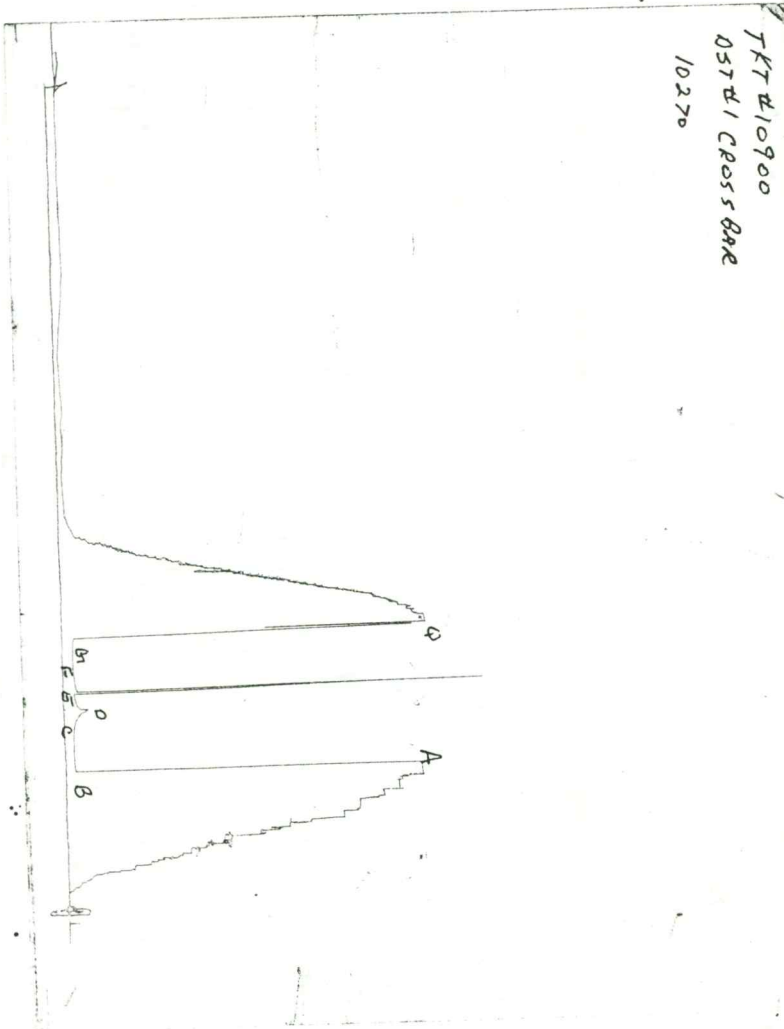
Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE

TKT #10900
037th CROSS BAR
10270



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10900

Well Name & No. Weisenberger 1-18 Test No. 1 Date 2-23-98
Company Cross Bar Petroleum, Inc Zone Tested Lansing
Address 7570 W. 21st St. Bldg 1014, Suite B Wichita, KS 67225 Elevation 2965 KB 2960 GL
Co. Rep / Geo. Harold Trapp Cont. LD Delg Est. Ft. of Pay - Por. - %
Location: Sec. 18 Twp. 18^s Rge. 31^w Co. Scott State Ks
No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3942-3955 Initial Str Wt./Lbs. 54000 Unseated Str Wt./Lbs. 54000
Anchor Length 13 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 95000
Top Packer Depth 3937 Tool Weight 2900
Bottom Packer Depth 3942 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes
Total Depth 3955 Wt. Pipe Run - Drill Collar Run -
Mud Wt. 9.2 LCM TR. Vis. 43 WL 8 Drill Pipe Size 4 1/2 X H Ft. Run 3942

Blow Description

IFP - WPAK Blow died in 12 min
FFP - Very WPAK Blow, Flushed Tool

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	
<u>5</u>	<u>-</u>	<u>-</u>	<u>5</u>	
Rec. <u>5</u> Feet Of <u>Mud</u>	%gas	%oil	%water	%mud
Rec. <u>-</u> Feet Of <u>-</u>	%gas	%oil	%water	%mud
Rec. <u>-</u> Feet Of <u>-</u>	%gas	%oil	%water	%mud
Rec. <u>-</u> Feet Of <u>-</u>	%gas	%oil	%water	%mud
Rec. <u>-</u> Feet Of <u>-</u>	%gas	%oil	%water	%mud

BHT 116° °F Gravity - °API D@ - °F Corrected Gravity - °API

RW - @ - °F Chlorides - ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	PSI	Recorder No.	T-Started
<u>1909</u> <u>1910</u>	<u>1910</u>	<u>3027</u>	<u>2140</u>
(B) First Initial Flow Pressure	PSI	(depth)	T-Open
<u>15</u> <u>31</u>	<u>31</u>	<u>3945</u>	<u>2330</u>
(C) First Final Flow Pressure	PSI	Recorder No.	T-Pulled
<u>17</u> <u>31</u>	<u>31</u>	<u>10270</u>	<u>0130</u>
(D) Initial Shut-in Pressure	PSI	(depth)	T-Out
<u>152</u> <u>124</u>	<u>124</u>	<u>3952</u>	<u>0310</u>
(E) Second Initial Flow Pressure	PSI	Recorder No.	
<u>17</u> <u>52</u>	<u>52</u>	<u>-</u>	
(F) Second Final Flow Pressure	PSI	(depth)	
<u>17</u> <u>52</u>	<u>52</u>	<u>-</u>	
(G) Final Shut-in Pressure	PSI	Initial Opening	Test
<u>45</u> <u>52</u>	<u>52</u>	<u>30</u>	<u>600</u>
(H) Final Hydrostatic Mud	PSI	Initial Shut-in	Jars
<u>1893</u> <u>1941</u>	<u>1941</u>	<u>30</u>	<u>200</u>
<u>Alpine</u> <u>AK-1</u>		Final Flow	Safety Joint
		<u>30</u>	<u>150</u>
		Final Shut-in	Straddle
		<u>30</u>	
			Circ. Sub
			Sampler
			Extra Packer
			Elect. Rec
			<u>150</u>
			Other

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Harold Trapp

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petro.Inc.

DATE 02-24-98

WELL NAME: Weisenberger 1-18

KB 2965.00 ft

TICKET NO: 10276

DST #2

LOCATION : 18-18s-31w

GR 2960.00 ft

FORMATION: Lansing

INTERVAL : 4000.00 To 4012.00 ft

TD 4012.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10270	10270	3027			PF Fr. 1725 to 1755 hr
SI 60	Range(Psi)	4150.0	4150.0	4995.0	0.0	0.0	IS Fr. 1755 to 1855 hr
SF 60	Clock(hrs)	12hr	12hr	elec			SF Fr. 1855 to 1955 hr
FS 90	Depth(ft)	4009.0	4009.0	4003.0	0.0	0.0	FS Fr. 1955 to 2125 hr

	Field	1	2	3	4	
A. Init Hydro	1983.0	1894.0	1955.0	0.0	0.0	T STARTED 1545 hr
B. First Flow	41.0	85.0	18.0	0.0	0.0	T ON BOTM 1722 hr
B1. Final Flow	41.0	53.0	29.0	0.0	0.0	T OPEN 1725 hr
C. In Shut-in	987.0	996.0	994.0	0.0	0.0	T PULLED 2125 hr
D. Init Flow	52.0	91.0	32.0	0.0	0.0	T OUT 2330 hr
E. Final Flow	52.0	91.0	50.0	0.0	0.0	
F. Fl Shut-in	977.0	880.0	979.0	0.0	0.0	
G. Final Hydro	1952.0	1954.0	1929.0	0.0	0.0	
Inside/Outside	o	o	i			

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP

90.00 ft of gas in pipe

60.00 ft of clean oil

30.00 ft of heavy oil cut mud 35% oil 65% mud

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 18.00

BLOW DESCRIPTION

Initial Flow:

Weak blow throughout 1/4" to 1 1/2" blow

Final Flow:

Weak blow throughout 2" to 3" blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	45.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Harold Trapp
Contr.	LD Drlg
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18s-31w

TICKET No. 10276 D.S.T. No. 2 DATE 02-24-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 12

TOTAL TOOL 40

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 40

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands64 Single 1 Total 3997

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4037

TOTAL DEPTH 4012

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

P.O. SUB	3850
C.O. SUB	3971
S.I. TOOL	3976
HMV	3981
JARS	3986
SAFETY JOINT	3991
PACKER	3995
PACKER	4000
DEPTH	4001
STUBB	
ANCHOR	
Alpine@4003	
AK-1@4009	
T.C.	
DEPTH	
1'perf	4002
5' "	4007
3' "	4010
BULLNOSE 2'bullplug	4012
T.D.	4012

TEST HISTORY

10276 DST#2 Weisenberger 1-18 Cross Bar Petro, Inc.

Flag Points

t (Min.)	P (PSig)
A: 0.00	1955.84
B: 0.00	18.91
C: 32.00	29.74
D: 59.50	994.68
E: 0.00	32.57
F: 58.00	50.53
G: 90.50	979.64
Q: 0.00	1929.43

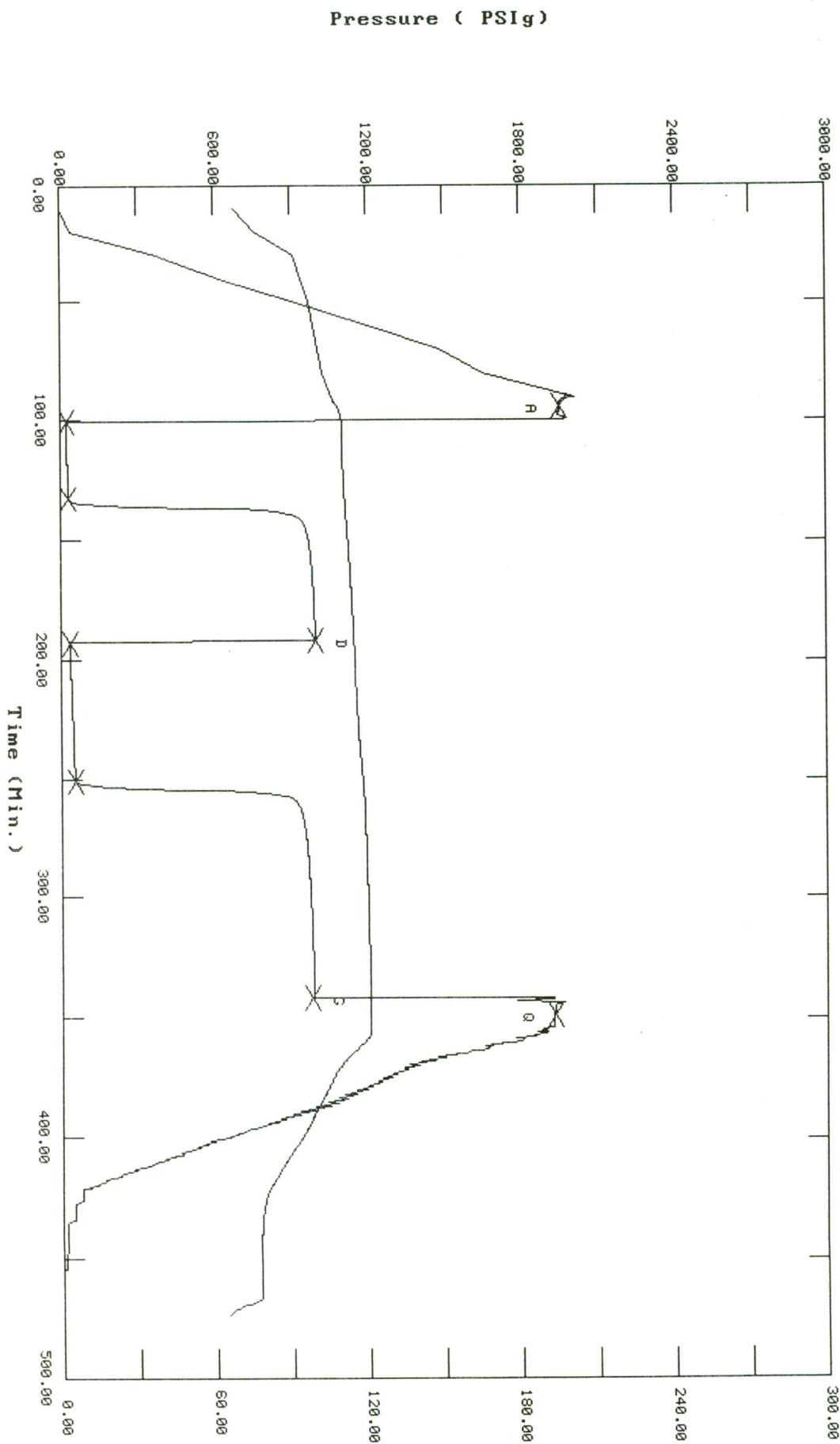
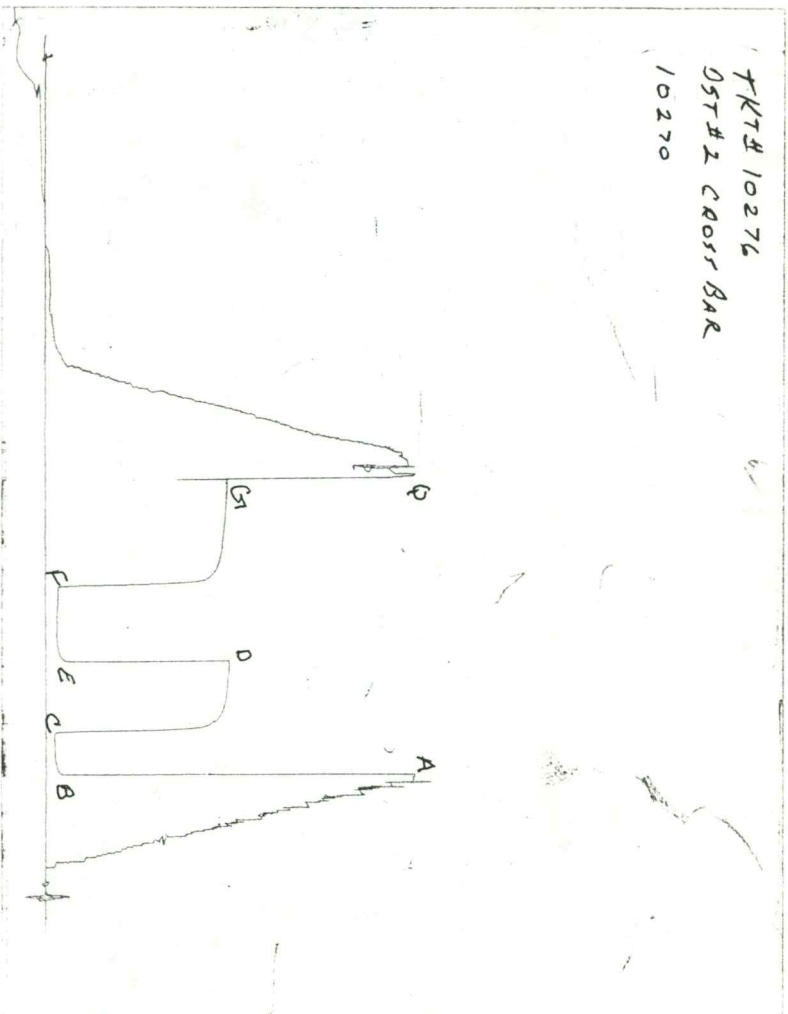


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 10276

Well Name & No. <u>Weisenberger 1-18</u>	Test No. <u>2</u>	Date <u>2-24-98</u>
Company <u>CROSS BAR Petroleum, Inc.</u>	Zone Tested <u>Lansing</u>	
Address <u>7520 W. 21ST Bldg 1014 Suite B Wichita, KS</u>	Elevation <u>2965</u> KB <u>2960</u> GL	
Co. Rep / Geo. <u>HARD TRAPP</u>	Cont. <u>LD Orlg</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>18^S</u> Rge. <u>31^W</u>	Co. <u>SCOTT</u> State <u>KS</u>	
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>4000 - 4012</u>	Initial Str Wt./Lbs. <u>52000</u> Unseated Str Wt./Lbs. <u>53000</u>
Anchor Length <u>12</u>	Wt. Set Lbs. <u>20000</u> Wt. Pulled Loose/Lbs. <u>92000</u>
Top Packer Depth <u>3995</u>	Tool Weight <u>29000</u>
Bottom Packer Depth <u>4000</u>	Hole Size — 7 7/8" <u>405</u> Rubber Size — 6 3/4" <u>405</u>
Total Depth <u>4012</u>	Wt. Pipe Run <u> </u> Drill Collar Run <u> </u>
Mud Wt. <u>9.2</u> LCM <u>IR</u> Vis. <u>45</u> WL <u>8</u>	Drill Pipe Size <u>4 1/2 XH</u> Ft. Run <u>40000</u>

Blow Description

IFP - WEAK BLOW THROUGHOUT 1/4" TO 1 1/2" BLOW
FFP - WEAK BLOW THROUGHOUT 2" TO 3" BLOW

Recovery — Total Feet <u>90</u>	GIP <u>90</u>	Ft. in DC <u>—</u>	Ft. in DP <u>90</u>
Rec. <u>60</u> Feet Of <u>CLEAN OIL</u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u>30</u> Feet Of <u>Heavy oil cut mud</u>	%gas <u>35</u> %oil <u> </u> %water <u>65</u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		

BHT 120 °F Gravity 18 °API D@ 60 °F Corrected Gravity 18 °API
 RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud <u>1955</u> <u>1983</u> PSI	Recorder No. <u>3027</u>	T-Started <u>1545</u>
(B) First Initial Flow Pressure <u>18</u> <u>41</u> PSI	(depth) <u>4003</u>	T-Open <u>1725</u>
(C) First Final Flow Pressure <u>29</u> <u>41</u> PSI	Recorder No. <u>10270</u>	T-Pulled <u>2125</u>
(D) Initial Shut-in Pressure <u>994</u> <u>987</u> PSI	(depth) <u>4009</u>	T-Out <u>2330</u>
(E) Second Initial Flow Pressure <u>32</u> <u>52</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u>50</u> <u>52</u> PSI	(depth) <u> </u>	
(G) Final Shut-in Pressure <u>979</u> <u>977</u> PSI	Initial Opening <u>30</u>	Test ✓ <u>700</u>
(H) Final Hydrostatic Mud <u>1929</u> <u>1952</u> PSI	Initial Shut-in <u>60</u>	Jars ✓ <u>200</u>
<u>Alpine</u> <u>AK-1</u>	Final Flow <u>60</u>	Safety Joint ✓ <u>50</u>
	Final Shut-in <u>90</u>	Straddle <u> </u>
		Circ. Sub <u> </u>
		Sampler <u> </u>
		Extra Packer <u> </u>
		Elect. Rec. ✓ <u>150</u>
		Other <u> </u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Hard Trapp
2-24-98

1170

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petro.Inc.
WELL NAME: Weisenberger 1-18
LOCATION : 18-18s-31w
INTERVAL : 4014.00 To 4029.00 ft

DATE 02-25-98
KB 2965.00 ft TICKET NO: 10277 DST #3
GR 2960.00 ft FORMATION: Lansing
TD 4034.00 ft TEST TYPE: CONV.STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10270	10270	3027	13548		PF Fr. 1025 to 1055 hr
SI 60 Range(Psi)	4150.0	4150.0	4995.0	4075.0	0.0	IS Fr. 1055 to 1155 hr
SF 60 Clock(hrs)	12hr	12hr	elec	12hr		SF Fr. 1155 to 1255 hr
FS 90 Depth(ft)	4021.0	4021.0	4016.0	4030.0	0.0	FS Fr. 1255 to 1425 hr

	Field	1	2	3	4	
A. Init Hydro	2004.0	2027.0	1991.0	0.0	0.0	T STARTED 0852 hr
B. First Flow	31.0	52.0	15.0	0.0	0.0	T ON BOTM 1022 hr
B1. Final Flow	31.0	61.0	32.0	0.0	0.0	T OPEN 1025 hr
C. In Shut-in	997.0	1071.0	999.0	0.0	0.0	T PULLED 1425 hr
D. Init Flow	72.0	92.0	34.0	0.0	0.0	T OUT 1615 hr
E. Final Flow	72.0	103.0	62.0	0.0	0.0	
F. Fl Shut-in	997.0	996.0	975.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1921.0	1924.0	1949.0	0.0	0.0	Tool Wt. 2900.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 53000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4014.00 ft

RECOVERY

Tot Fluid 105.00 ft of 0.00 ft in DC and 105.00 ft in DP
15.00 ft of clean oil
30.00 ft of oil cut mud 5%oil 95%mud
60.00 ft of oil cut muddy water 5%oil 20%mud 75%water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 5500.00 P.P.M. A.P.I. Gravity 18.00

BLOW DESCRIPTION

Initial Flow:
Weak blow throughout 1/4" to 2 1/4"
blow
Final Flow:
Weak blow throughout 2" to 3" blow

SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	45.00 S/L
W.L.	6.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 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.	Harold Trapp
Contr.	LD Drlg
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

P.O. SUB	3870
C.O. SUB	3991
S.I. TOOL	3995
HMV	4000
JARS	4005
SAFETY JOINT	4010
PACKER	4014
DEPTH	
STUBB 1'	4015
ANCHOR 1'perf	4116
5' "	4121
4' "	4125
Alpine@4016	
Ak-1@4021	
T.C. & blankoff sub	4026
DEPTH	
PACKER straddle	4029
straddle AK-1	
@4031	
1'	4030
2'perf	4032
BULLNOSE 2'bullplug	4034
T.D.	4034

REMARKS:

TEST HISTORY

10277 DST#3 Weisenberger 1-18 Cross Bar Petro. Inc.

Flag Points

t(min.)	P(PSig)
A: 0.00	1990.27
B: 0.00	15.18
C: 33.00	32.97
D: 58.50	999.32
E: 0.00	34.61
F: 58.50	62.03
G: 91.00	975.69
H: 0.00	1949.42

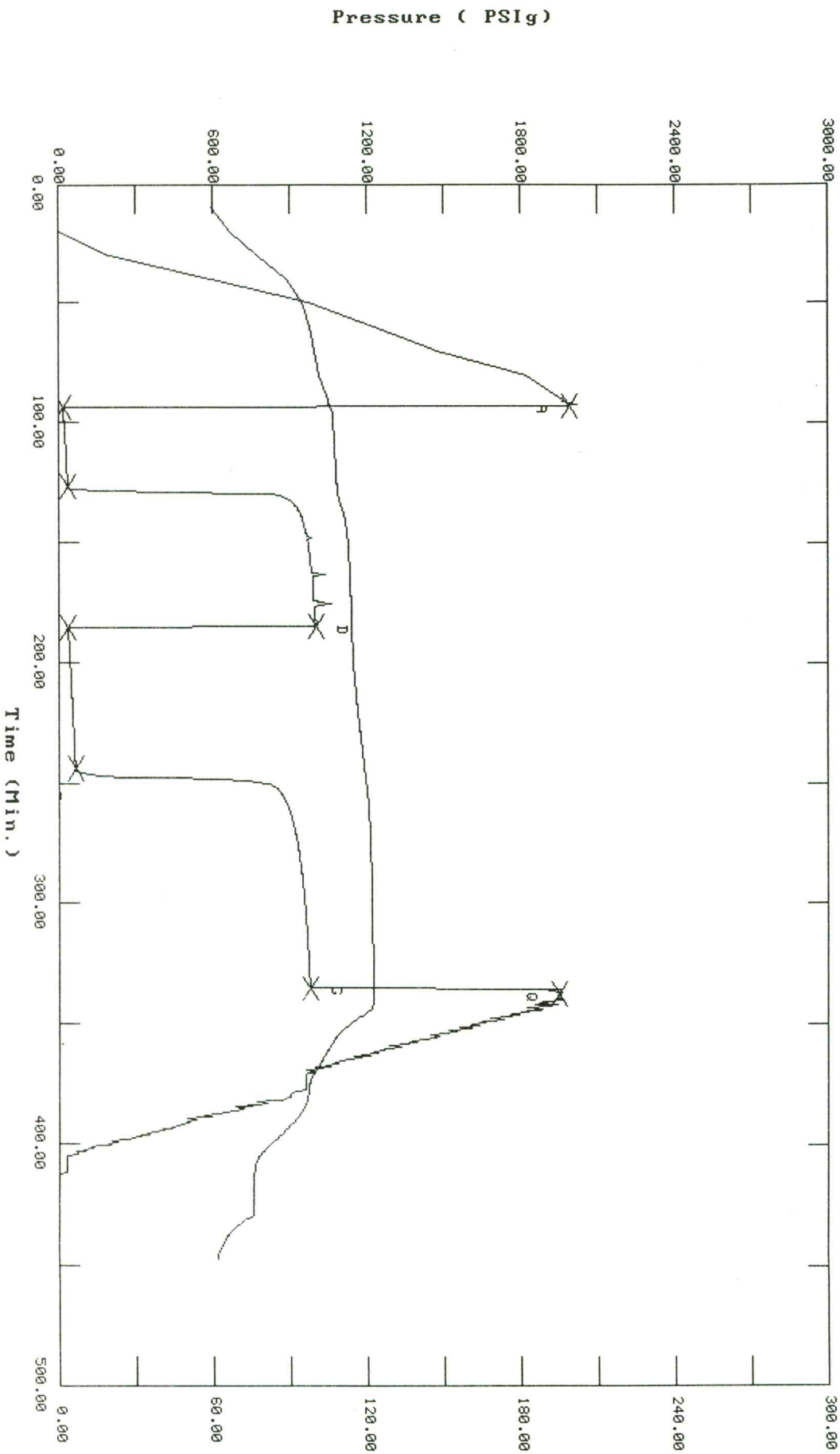
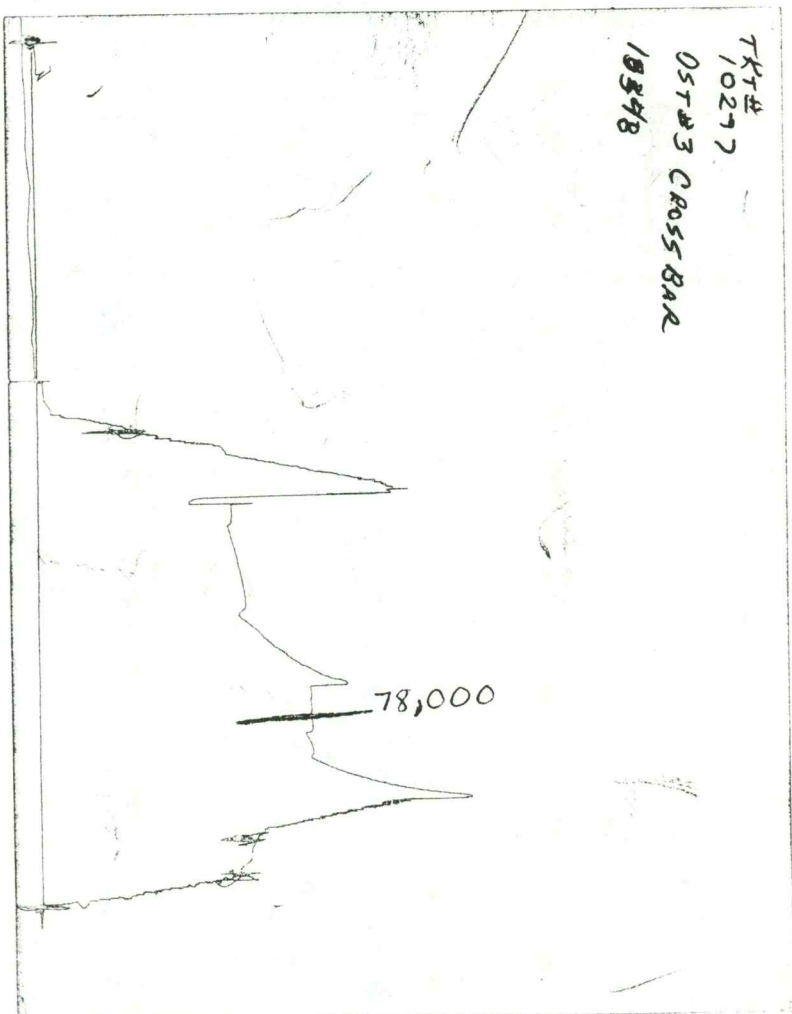
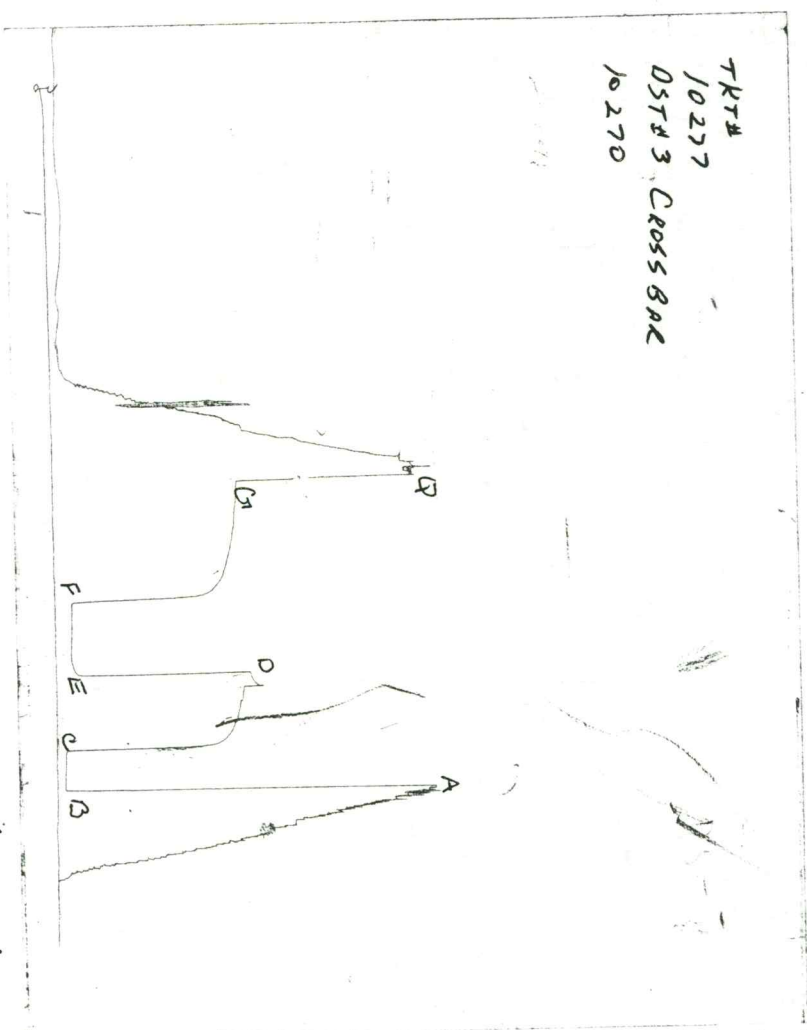


CHART PAGE



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

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 10277

Well Name & No.	<u>Weisenberger 1-18</u>	Test No.	<u>3</u>	Date	<u>2-25-98</u>
Company	<u>Cross Bar Petroleum, Inc</u>	Zone Tested	<u>Lansing</u>		
Address	<u>7520 W. 21st St. Bldg. 1014, Suite B Wichita, KS</u>	Elevation	<u>2965</u>	KB	<u>2960</u> GL
Co. Rep./Geo.	<u>HAROLD TRAPP</u>	Cont.	<u>LD Delg</u>	Est. Ft. of Pay	<u>—</u> Por. <u>—</u> %
Location: Sec.	<u>18</u>	Twp.	<u>18^s</u>	Rge.	<u>31^W</u> Co. <u>SCOTT</u> State <u>KS</u>
No. of Copies	<u>Req</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u>—</u>

Interval Tested	<u>4014-4029</u>	Initial Str Wt./Lbs.	<u>52000</u>	Unseated Str Wt./Lbs.	<u>53000</u>
Anchor Length	<u>15</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>90000</u>
Top Packer Depth	<u>4014</u>	Tool Weight	<u>2900</u>		
Bottom Packer Depth	<u>4029</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>4034</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>—</u>
Mud Wt.	<u>9.4</u> LCM <u>TR</u> Vis. <u>45</u> WL <u>6</u>	Drill Pipe Size	<u>4 1/2 X H</u>	Ft. Run	<u>4014</u>

Blow Description

IFP - WEAK Blow Throughout 1/4" To 2 1/4" Blow
FFP - WEAK Blow Throughout 2" To 3" Blow

Recovery — Total Feet	<u>105</u>	GIP	<u>60</u>	Ft. in DC	<u>—</u>	Ft. in DP	<u>105</u>				
Rec.	<u>15</u>	Feet Of	<u>Clean oil</u>	%gas	<u>—</u>	%oil	<u>—</u>	%water	<u>—</u>	%mud	<u>—</u>
Rec.	<u>30</u>	Feet Of	<u>Oil cut mud</u>	%gas	<u>5</u>	%oil	<u>—</u>	%water	<u>95</u>	%mud	<u>—</u>
Rec.	<u>60</u>	Feet Of	<u>Oil cut muddy water</u>	%gas	<u>5</u>	%oil	<u>75</u>	%water	<u>20</u>	%mud	<u>—</u>
Rec.		Feet Of		%gas	<u>—</u>	%oil	<u>—</u>	%water	<u>—</u>	%mud	<u>—</u>
Rec.		Feet Of		%gas	<u>—</u>	%oil	<u>—</u>	%water	<u>—</u>	%mud	<u>—</u>

BHT 122 °F Gravity 18 °API D@ 60 °F Corrected Gravity 18 °API
RW 11.1 @ 65 °F Chlorides 5500 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	<u>1991</u>	<u>2004</u>	PSI	Recorder No.	<u>3027</u>	T-Started	<u>0852</u>
(B) First Initial Flow Pressure	<u>15</u>	<u>31</u>	PSI	(depth)	<u>4016</u>	T-Open	<u>1025</u>
(C) First Final Flow Pressure	<u>32</u>	<u>31</u>	PSI	Recorder No.	<u>10270</u>	T-Pulled	<u>1425</u>
(D) Initial Shut-in Pressure	<u>999</u>	<u>997</u>	PSI	(depth)	<u>4021</u>	T-Out	<u>—</u>
(E) Second Initial Flow Pressure	<u>34</u>	<u>72</u>	PSI	Recorder No.	<u>13548</u>		
(F) Second Final Flow Pressure	<u>62</u>	<u>72</u>	PSI	(depth)	<u>4031</u>		
(G) Final Shut-in Pressure	<u>975</u>	<u>977</u>	PSI	Initial Opening	<u>30</u>	Test	<u>700</u>
(H) Final Hydrostatic Mud	<u>1949</u>	<u>1921</u>	PSI	Initial Shut-in	<u>60</u>	Jars	<u>200</u>
	<u>Alpine</u>	<u>AK-1</u>		Final Flow	<u>60</u>	Safety Joint	<u>50</u>
				Final Shut-in	<u>90</u>	Straddle	<u>250</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Harold R. Trapp

Circ. Sub —
Sampler —
Extra Packer 150
Elect. Rec. 150
Other —

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet.

DATE 2-26-98

WELL NAME: Weisenberger 1-18

KB 2964.00 ft

TICKET NO: 11210

DST #4

LOCATION : 18-18S-18W CO Scott KS

GR 2959.00 ft

FORMATION: KC "I"

INTERVAL : 4143.00 To 4166.00 ft

TD 4166.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	2342			PF Fr. 1317 to 1347 hr
SI 60 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1347 to 1447 hr
SF 30 Clock(hrs)	12	12 hr	alpin			SF Fr. 1447 to 1517 hr
FS 60 Depth(ft)	4161.0	4161.0	4146.0	0.0	0.0	FS Fr. 1517 to 1617 hr

	Field	1	2	3	4	
A. Init Hydro	2095.0	2075.0	2083.0	0.0	0.0	T STARTED 1120 hr
B. First Flow	56.0	62.0	19.0	0.0	0.0	T ON BOTM 1314 hr
B1. Final Flow	44.0	42.0	24.0	0.0	0.0	T OPEN 1317 hr
C. In Shut-in	1040.0	1026.0	1042.0	0.0	0.0	T PULLED 1617 hr
D. Init Flow	56.0	60.0	22.0	0.0	0.0	T OUT 1810 hr
E. Final Flow	56.0	63.0	25.0	0.0	0.0	
F. Fl Shut-in	995.0	993.0	1005.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2083.0	2040.0	2061.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 69000.00 lbs
						Initial Str Wt 55000.00 lbs
						Unseated Str Wt 55000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 4123.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP

5.00 ft of Drilling 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

0.00 ft of

SALINITY 4000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak 3/4" blow

Initial Shut-in:

No return

Final Flow:

Bubble to open tool, no blow, flush

after 17 mins, good surge, no blow

Final Shut-in:

No return

SAMPLES:

SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.50 lb/c
Vis.	48.00 S/L
W.L.	8.30 in3
F.C.	0.00 in
Mud Drop N	
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	Shane McBride
Co. Rep.	Harold Trapp
Contr.	L.D.
Rig #	1
Unit #	
Pump T.	

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18S-18W CO Scott KS

TICKET No. 11210 D.S.T. No. 4 DATE 2-26-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 50

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 50

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands66 Single 1 Total 4123

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4173

TOTAL DEPTH 4166

TOTAL DRILL PIPE ABOVE K.B. 7

REMARKS:

P.O. SUB	
C.O. SUB 1'	4115
S.I. TOOL	4121
HMV 5'	4126
JARS 5'	4131
SAFETY JOINT 2'	4133
PACKER top	4138
PACKER bottom	4143
DEPTH 4143	
STUBB 1'	4144
ANCHOR 2' perf	4146
alpine recorder	4146
15' perf	4161
T.C.	
DEPTH	
AK- 1 recorder	4161
BULLNOSE 5' bullplug	4166
T.D.	4166

TEST HISTORY

11210 DST # 4 Crossbar Petrol.

	t (Min.)	P (PSig)	Flag Points
A:	0.00	2083.02	
B:	0.00	19.71	
C:	30.00	24.58	
D:	59.00	1042.00	
E:	0.00	22.59	
F:	30.00	25.36	
G:	59.00	1005.27	
H:	0.00	2061.85	

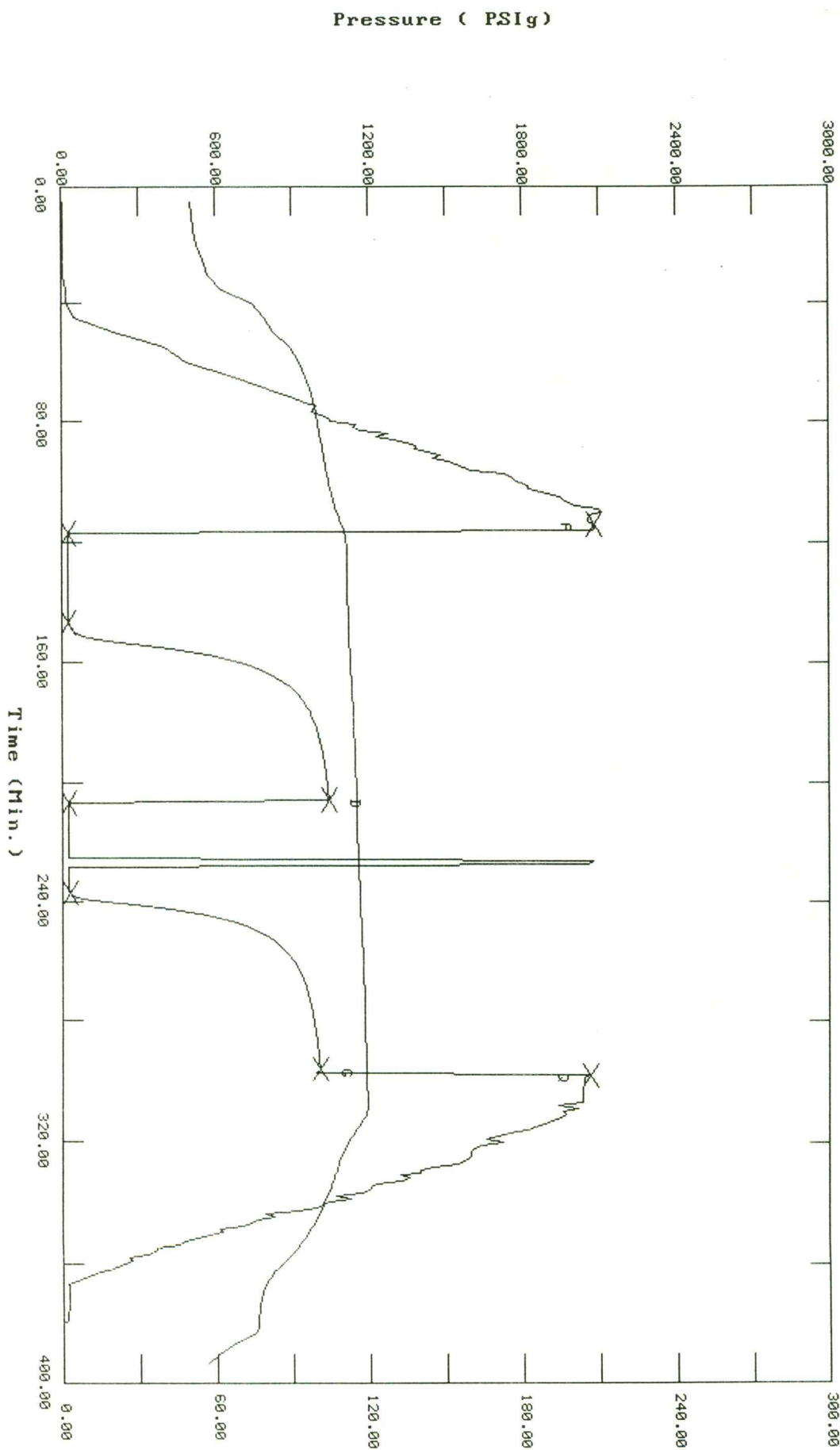
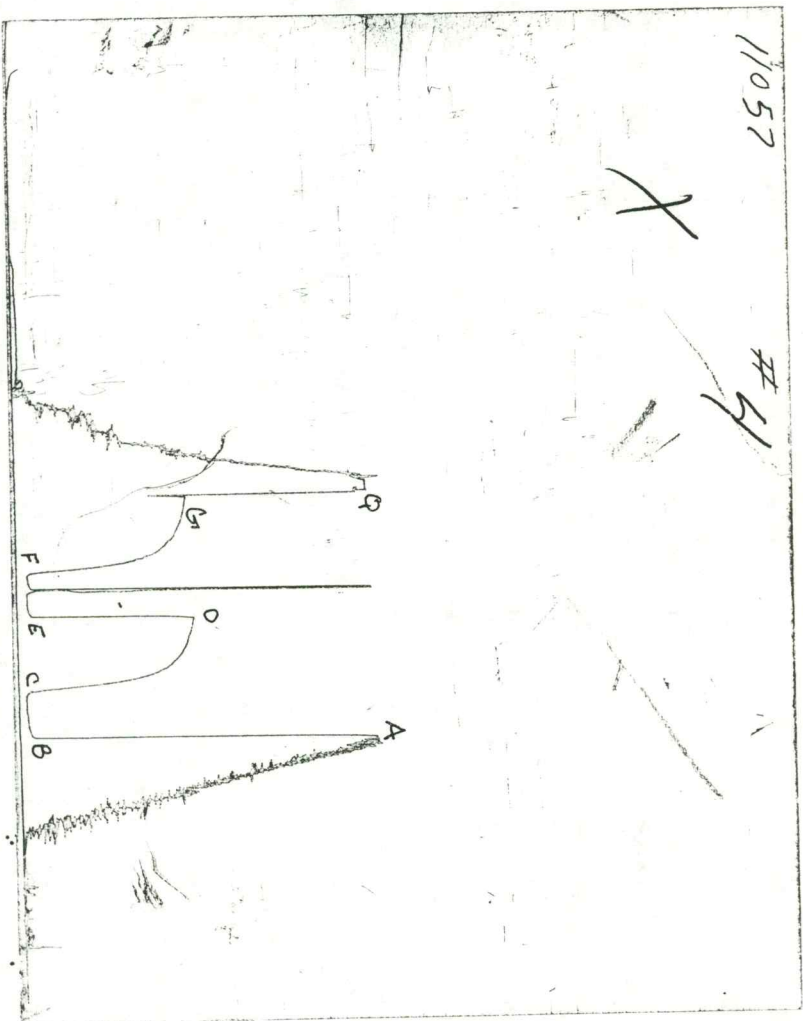


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11210

Well Name & No. <u>Weisenburger #1-18</u>	Test No. <u>#4</u>	Date <u>2-26-97</u>
Company <u>Cross Bar Pet.</u>	Zone Tested <u>KC 'I'</u>	
Address <u>7570 W. 21st Bldg 1014, Suite B Wichita, KS 67205</u>	Elevation <u>2964'</u>	KB <u>2955'</u> GL
Co. Rep / Geo. <u>Herald Trapp</u>	Cont. <u>L.D. #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>18</u>	Twp. <u>18</u>	Rge. <u>31</u> Co. <u>Scott</u> State <u>KS</u>
No. of Copies <u>Normal</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) _____

Interval Tested <u>4143</u>	<u>4166</u>	Initial Str Wt./Lbs. <u>55,000</u>	Unseated Str Wt./Lbs. <u>55,000</u>
Anchor Length _____	<u>23</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>69,000</u>
Top Packer Depth _____	<u>4138</u>	Tool Weight <u>4,000</u>	
Bottom Packer Depth <u>4143</u>		Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>4166</u>		Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.5</u> LCM — Vis. <u>48</u> WL <u>8.3</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run _____
Blow Description <u>1/4" @ open built to 3/4" in. In 5 min. Steady 3/4" in throughout</u>			
<u>No return</u>			
<u>Bubble to open tool - No blow - Flush after 17 min - good Surge - No Blow -</u>			
<u>No return</u>			

Recovery — Total Feet <u>5'</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>5'</u>
Rec. <u>5'</u>	Feet Of <u>Drill Mud</u>	%gas _____	%oil _____ %water <u>100</u> %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____

BHT <u>119°</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____	°F Chlorides _____	ppm Recovery _____	Chlorides <u>4,000</u>	ppm System _____
(A) Initial Hydrostatic Mud <u>2095</u>	<u>2083</u>	PSI Recorder No. <u>2342</u>	T-Started <u>11:20 am.</u>	
(B) First Initial Flow Pressure <u>56</u>	<u>19</u>	PSI (depth) <u>4146'</u>	T-Open <u>13:17 p.m.</u>	
(C) First Final Flow Pressure <u>44</u>	<u>24</u>	PSI Recorder No. <u>11057</u>	T-Pulled <u>16:17 p.m.</u>	
(D) Initial Shut-in Pressure <u>1040</u>	<u>1042</u>	PSI (depth) <u>4161'</u>	T-Out <u>18:10 p.m.</u>	
(E) Second Initial Flow Pressure <u>56</u>	<u>22</u>	PSI Recorder No. _____		
(F) Second Final Flow Pressure <u>56</u>	<u>25</u>	PSI (depth) _____		
(G) Final Shut-in Pressure <u>995</u>	<u>1005</u>	PSI Initial Opening <u>30</u>	Test <u>Y</u> <u>700</u>	
(H) Final Hydrostatic Mud <u>2083</u>	<u>2061</u>	PSI Initial Shut-in <u>60</u>	Jars <u>X</u> <u>200</u>	
<u>AK-1</u>	<u>Offline</u>	Final Flow <u>30</u>	Safety Joint <u>X</u> <u>50</u>	
		Final Shut-in <u>60</u>	Straddle _____	
			Circ. Sub <u>X N/C</u>	
			Sampler _____	
			Extra Packer _____	
			Elect. Rec. <u>X</u> <u>150</u>	
			Other _____	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Herald R. Trapp

1100

TRILOBITE TESTING L.L.C.

OPERATOR : Crossbar Petrol. Inc.
WELL NAME: Weisenberger 1-18
LOCATION : 18-18S-31W CO Scott KS
INTERVAL : 4174.00 To 4184.00 ft

DATE 2-27-98
KB 2964.00 ft TICKET NO: 11211 DST #5
GR 2959.00 ft FORMATION: KC "J"
TD 4184.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	2342			PF Fr. 0400 to 0430 hr
SI 60 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 0430 to 0530 hr
SF 30 Clock(hrs)	12	12 hr	alpin			SF Fr. 0530 to 0600 hr
FS 60 Depth(ft)	4181.0	4181.0	4175.0	0.0	0.0	FS Fr. 0600 to 0700 hr

	Field	1	2	3	4	
A. Init Hydro	2106.0	1854.0	2103.0	0.0	0.0	T STARTED 0145 hr
B. First Flow	44.0	33.0	23.0	0.0	0.0	T ON BOTM 0357 hr
B1. Final Flow	33.0	22.0	27.0	0.0	0.0	T OPEN 0400 hr
C. In Shut-in	1006.0	967.0	1005.0	0.0	0.0	T PULLED 0700 hr
D. Init Flow	44.0	32.0	27.0	0.0	0.0	T OUT 1020 hr
E. Final Flow	33.0	21.0	36.0	0.0	0.0	
F. Fl Shut-in	984.0	954.0	996.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2095.0	2065.0	2062.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 67000.00 lbs
						Initial Str Wt 55000.00 lbs
						Unseated Str Wt 55000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 4154.00 ft

RECOVERY

Tot Fluid 40.00 ft of 0.00 ft in DC and 40.00 ft in DP
20.00 ft of slightly gassy heavy oil cut mud
0.00 ft of 10% gas 65% oil 25% mud
20.00 ft of slightly gassy oil cut mud
0.00 ft of 5% gas 40% oil 55% mud
0.00 ft of
0.00 ft of 20' gas in pipe
0.00 ft of
0.00 ft of
SALINITY 4000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
1/4" at open slow build to 1"
Initial Shut-in:
No return
Final Flow:
1/8" at open slow build to 3/4"
Final Shut-in:
No return

SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	45.00 S/L
W.L.	8.30 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 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	Shane McBride
Co. Rep.	Harald
Contr.	L.D.
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18S-31W CO Scott KS

TICKET No. 11211 D.S.T. No. 5 DATE 2-27-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 10

TOTAL TOOL 37

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands67 Single Total 4154

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4191

TOTAL DEPTH 4184

TOTAL DRILL PIPE ABOVE K.B. 7

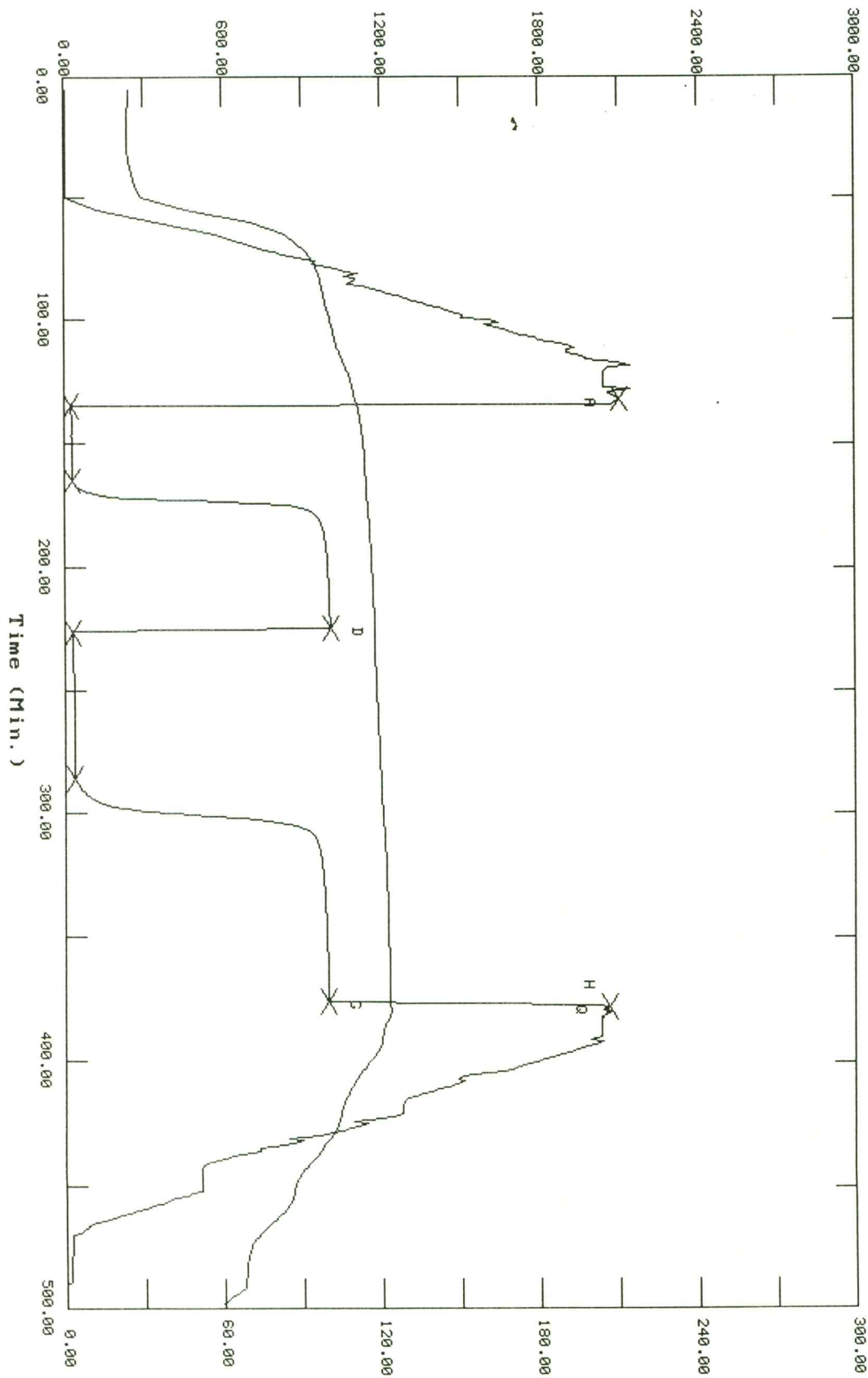
REMARKS:

P.O. SUB	
C.O. SUB 1'	4146
S.I. TOOL 5'	4152
HMV 5'	4157
JARS 5'	4162
SAFETY JOINT 2'	4164
PACKER top	4169
PACKER bottom	4174
DEPTH 4174	
STUBB 1'	4175
ANCHOR alpine recorder	4175
4' perf	4179
AK -1 recorder	4181
T.C.	
DEPTH	
BULLNOSE 5' bullplug	4184
T.D.	4184

TEST HISTORY

11211 DST#5 Weisenberger 1-18 Crossbar Petrol. Inc.

	Flag Points	
	t(Min.) P(PSig)	t(Min.) P(PSig)
A:	0.00 2103.71	0: 0.00 2062.35
B:	0.00 23.44	
C:	30.00 27.18	
D:	60.00 1005.01	
E:	0.00 27.90	
F:	59.00 36.17	
G:	90.00 996.68	
H:	0.00 2062.35	

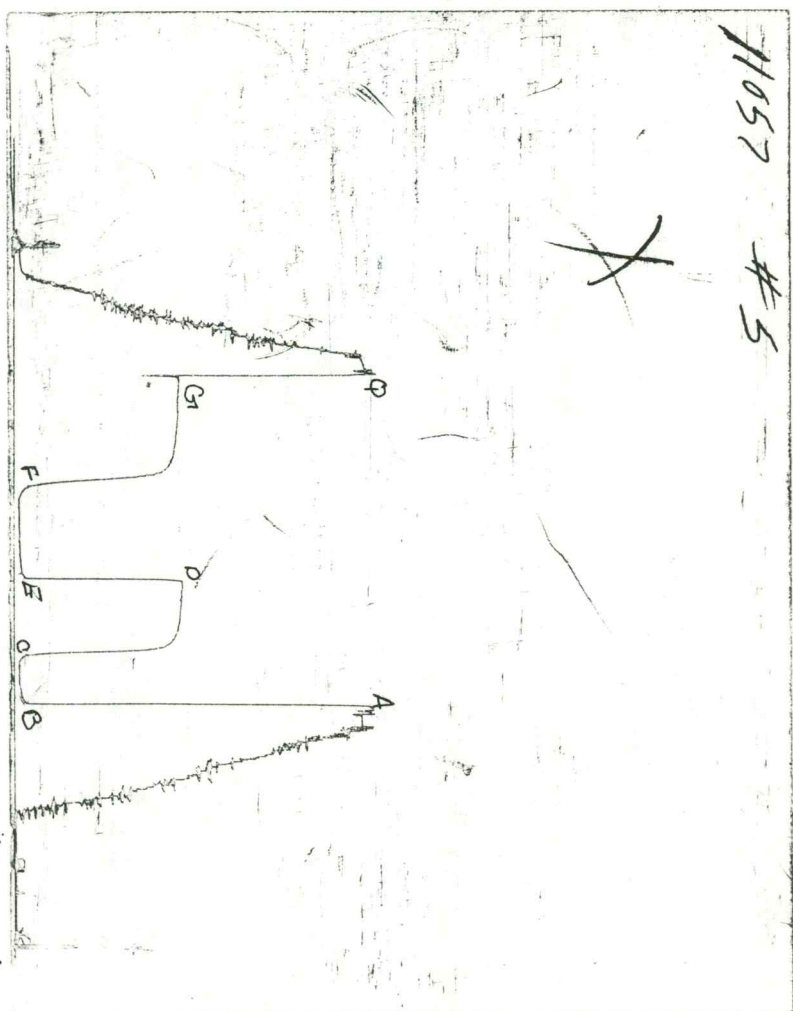


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11211

Well Name & No. <u>Weisenberger 1-18</u>	Test No. <u>#5</u>	Date <u>2-27-98</u>
Company <u>Cross Bar Petrol. Twp.</u>	Zone Tested <u>1C "5"</u>	
Address <u>2570 W. 21st Bldg 1014, Suite B, Wichita KS 67205</u>	Elevation <u>2964</u>	KB <u>2939</u> GL
Co. Rep / Geo. <u>Harold Trapp</u>	Cont. <u>L.D. #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>18</u>	Twp. <u>18</u>	Rge. <u>31</u> Co. <u>Scott</u> State <u>KS</u>
No. of Copies <u>Norm</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4174</u>	<u>4184</u>	Initial Str Wt./Lbs. <u>55000</u>	Unseated Str Wt./Lbs. <u>55000</u>
Anchor Length _____	<u>10</u>	Wt. Set Lbs. <u>26000</u>	Wt. Pulled Loose/Lbs. <u>62000</u>
Top Packer Depth _____	<u>4169</u>	Tool Weight <u>4000</u>	
Bottom Packer Depth _____	<u>4174</u>	Hole Size — <u>7 7/8"</u> ✓	Rubber Size — <u>6 3/4"</u> ✓
Total Depth _____	<u>4184</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.4</u> LCM — Vis. <u>45</u> WL <u>8.3</u>		Drill Pipe Size <u>1 1/2 X 4</u>	Ft. Run <u>4154'</u>
Blow Description <u>1/4" @ open, slow build to 1" in. weak blow.</u>			
<u>No return</u>			
<u>1/8" @ open slow build to 3/4" in.</u>			
<u>No return</u>			

Recovery — Total Feet <u>40'</u>	GIP <u>20'</u>	Ft. in DC —	Ft. in DP <u>40'</u>
Rec. <u>20'</u>	Feet Of <u>Slitly gassy heavy Oil cut mud</u>	10% gas 65 %oil	%water 25 %mud
Rec. <u>20'</u>	Feet Of <u>Slitly gassy mud cut 0.1</u>	5% gas 40 %oil	%water 55 %mud
Rec. _____	Feet Of _____	%gas %oil	%water %mud
Rec. _____	Feet Of _____	%gas %oil	%water %mud
Rec. _____	Feet Of _____	%gas %oil	%water %mud

BHT 123 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW — @ — °F Chlorides _____ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud <u>2106</u>	<u>2103</u>	PSI Recorder No. <u>2342</u>	T-Started <u>01:45 AM</u>
(B) First Initial Flow Pressure <u>44</u>	<u>23</u>	PSI (depth) <u>4175'</u>	T-Open <u>04:00 AM</u>
(C) First Final Flow Pressure <u>33</u>	<u>27</u>	PSI Recorder No. <u>11057</u>	T-Pulled <u>08:00 AM</u>
(D) Initial Shut-in Pressure <u>1006</u>	<u>1005</u>	PSI (depth) <u>4181'</u>	T-Out <u>10:20 A.M.</u>
(E) Second Initial Flow Pressure <u>44</u>	<u>27</u>	PSI Recorder No. _____	
(F) Second Final Flow Pressure <u>33</u>	<u>36</u>	PSI (depth) _____	
(G) Final Shut-in Pressure <u>984</u>	<u>996</u>	PSI Initial Opening <u>30</u>	Test X <u>900</u>
(H) Final Hydrostatic Mud <u>2095</u>	<u>2062</u>	PSI Initial Shut-in <u>60</u>	Jars X <u>200</u>

Final Flow 60 Safety Joint 50

Final Shut-in 90 Straddle _____

Circ. Sub X N/C

Sampler _____

Extra Packer _____

Elect. Rec'd 150

Other _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Harold R. Trapp

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petrol. Inc.

DATE 2-28-98

WELL NAME: Weisenberger 1-18

KB 2964.00 ft

TICKET NO: 11212

DST #6

LOCATION : 18-18S-31W CO Scott KS

GR 2959.00 ft

FORMATION: KC "K"

INTERVAL : 4190.00 To 4212.00 ft

TD 4212.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	2342		PF Fr. 0255 to 0325 hr
SI 60	Range(Psi)	4500.0	4500.0	4995.0	0.0	IS Fr. 0325 to 0425 hr
SF 60	Clock(hrs)	12	12	alpin		SF Fr. 0425 to 0525 hr
FS 105	Depth(ft)	4207.0	4207.0	4192.0	0.0	FS Fr. 0525 to 0710 hr

	Field	1	2	3	4	
A. Init Hydro	2151.0	2134.0	2134.0	0.0	0.0	T STARTED 1250 hr
B. First Flow	56.0	70.0	27.0	0.0	0.0	T ON BOTM 0252 hr
Bl. Final Flow	56.0	63.0	45.0	0.0	0.0	T OPEN 0255 hr
C. In Shut-in	973.0	963.0	980.0	0.0	0.0	T PULLED 0710 hr
D. Init Flow	78.0	103.0	48.0	0.0	0.0	T OUT 0920 hr
E. Final Flow	112.0	103.0	86.0	0.0	0.0	
F. Fl Shut-in	950.0	953.0	974.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2140.0	2106.0	2112.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	0	0			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 67000.00 lbs
						Initial Str Wt 55000.00 lbs
						Unseated Str Wt 55000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 4184.00 ft

RECOVERY

Tot Fluid 145.00 ft of 0.00 ft in DC and 145.00 ft in DP

65.00 ft of watery mud w/oil spec's 40% water 60% mud

30.00 ft of mud cut water w/oil spec's 70%water 30% 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 26500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

1/2" blow at open slow build to

3 1/2"

Initial Shut-in:

No return

Final Flow:

1/8" at open slow build to

Final Shut-in:

No return

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type Chemical

Weight 9.30 lb/cf

Vis. 44.00 S/L

W.L. 6.80 in3

F.C. 0.00 in

Mud Drop Y 20.0 ft

Amt. of fill 0.00 ft

Btm. H. Temp. 125.00 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 Shane McBride

Co. Rep. Harald Trapp

Contr. L.D.

Rig # 1

Unit #

Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18S-31W CO Scott KS

TICKET No. 11212 D.S.T. No. 6 DATE 2-28-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 49

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands67 Single 1 Total 4184

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4233

TOTAL DEPTH 4212

TOTAL DRILL PIPE ABOVE K.B. 21

REMARKS:

P.O. SUB	
C.O. SUB 1'	4162
S.I. TOOL 5'	4168
HMV 5'	4173
JARS 5'	4178
SAFETY JOINT 2'	4180
PACKER top	4185
PACKER bottom	4190
DEPTH 4190	
STUBB 1'	4191
ANCHOR 1' perf	4192
alpine recorder	4192
15' perf	4207
ak-1 recorder	4207
T.C.	
DEPTH	
BULLNOSE 5' bullplug	4212
T.D.	4212

11212 DST#6 Weisenberger 1-18 CrossBar Petrol. TEST HISTORY

Flag Points

t (Min.)	P (PSig)
A: 0.00	2134.99
B: 0.00	27.78
C: 29.00	45.55
D: 61.00	980.44
E: 0.00	48.03
F: 59.00	86.44
G: 104.00	974.55
H: 0.00	2112.00

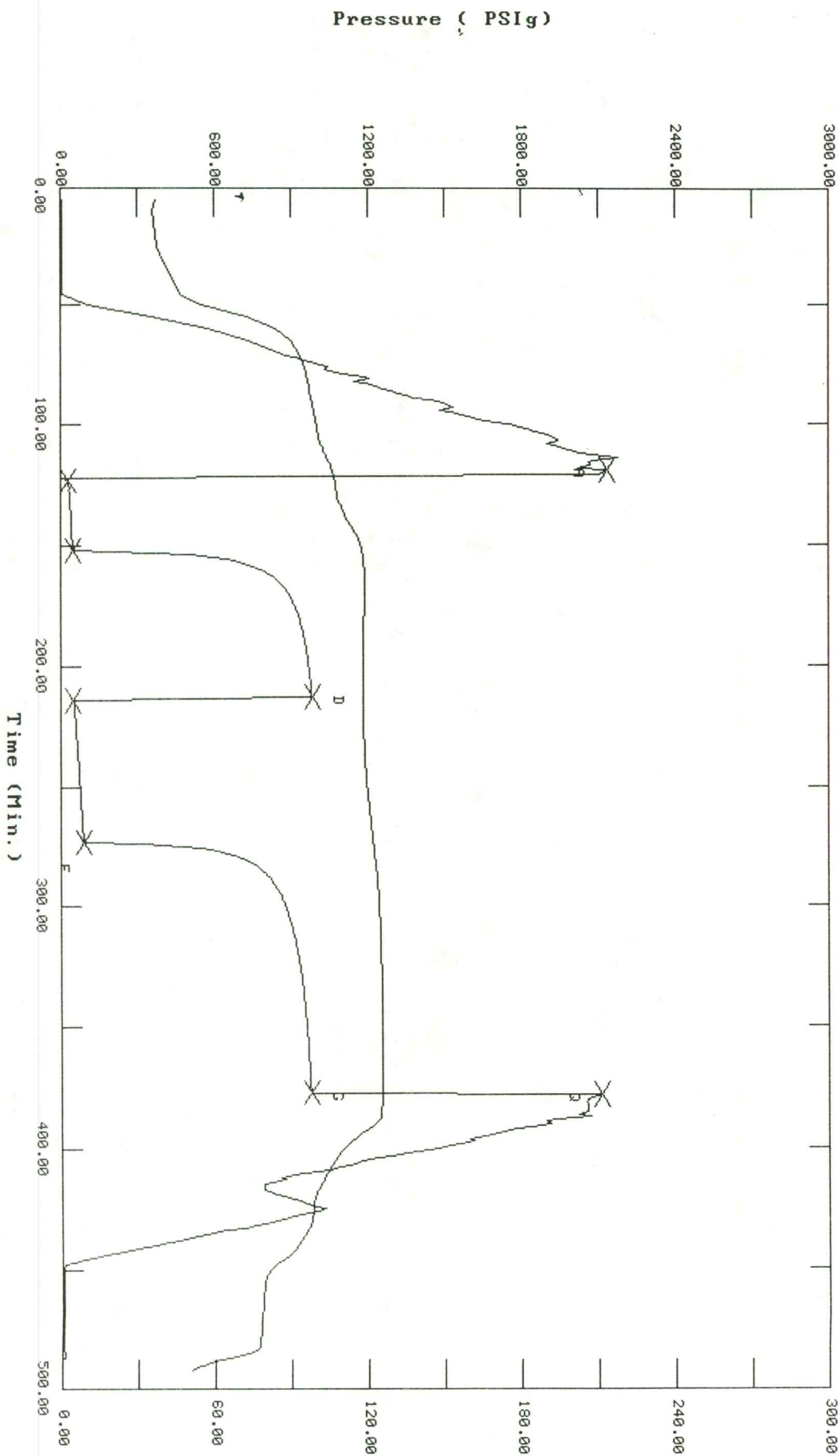
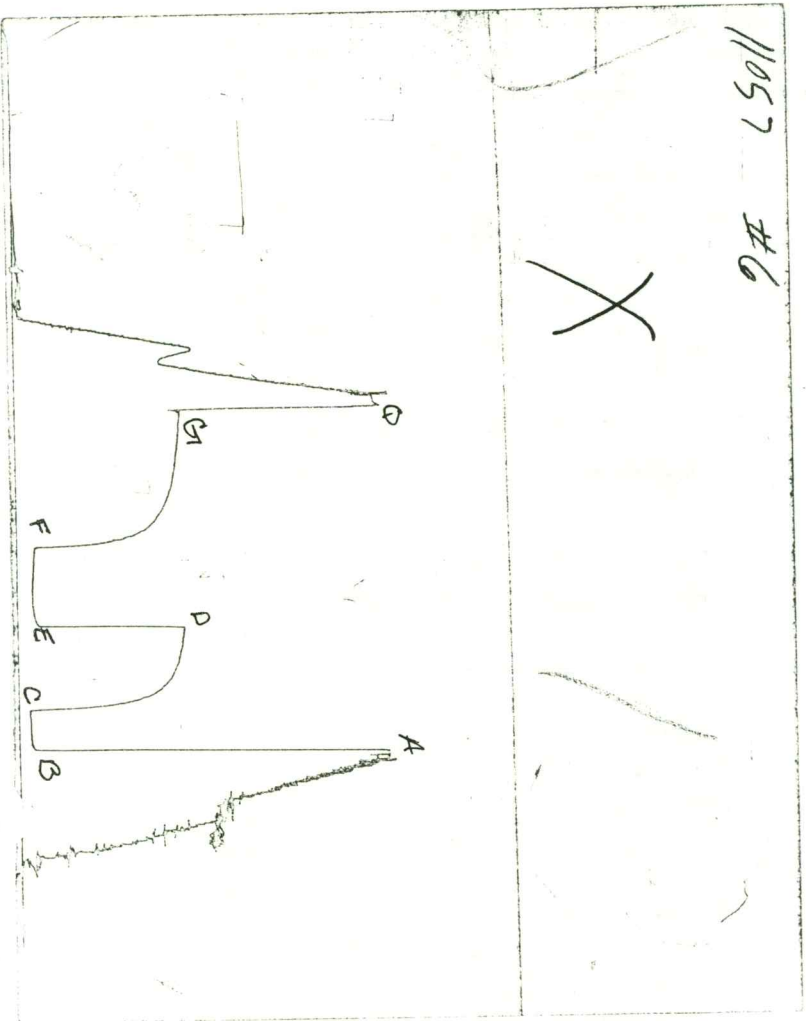


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11212

Well Name & No. <u>Neisenberger 1-18</u>	Test No. <u>6</u>	Date <u>2-28-98</u>
Company <u>Cross Bar Petrol. Inc.</u>	Zone Tested <u>h-KC "K"</u>	
Address <u>7570 W 21st Bldg 104 Suite B, Wichita, KS 672205</u>	Elevation <u>2964</u> KB <u>2959</u> GL	
Co. Rep / Geo. <u>Harold Trapp</u>	Cont. <u>h.D. #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>18</u> Rge. <u>31</u>	Co. <u>Scott</u> State <u>KS</u>	
No. of Copies <u>None</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>X</u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>4190'</u>	<u>4212'</u>	Initial Str Wt./Lbs. <u>55,000</u>	Unseated Str Wt./Lbs. <u>55,000</u>
Anchor Length <u> </u>	<u>22'</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>67,000</u>
Top Packer Depth <u> </u>	<u>4185'</u>	Tool Weight <u>4,000</u>	
Bottom Packer Depth <u> </u>	<u>4190'</u>	Hole Size — 7 7/8" <u>X</u>	Rubber Size — 6 3/4" <u>X</u>
Total Depth <u> </u>	<u>4212'</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u> </u>
Mud Wt. <u>9.2+</u> LCM <u>-</u> Vis. <u>44</u> WL <u>6.8</u>		Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>4184'</u>
Blow Description <u>1/2" in @ open, Show build to 3 1/2" in.</u>			
<u>No return</u>			
<u>1/8" in. @ open, Show build to 5" in.</u>			
<u>No return</u>			

Recovery — Total Feet <u>145</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u>145'</u>
Rec. <u>65'</u> Feet Of <u>Water Mud w/ oil spec</u>	%gas <u>Spec's</u> %oil <u>40</u>	%water <u>60</u>	%mud <u> </u>
Rec. <u>80'</u> Feet Of <u>Mud Cut Water w/ oil spec</u>	%gas <u>Spec's</u> %oil <u> </u>	%water <u> </u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u>70</u>	%water <u>30</u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u>	%mud <u> </u>

BHT <u>125°</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u>0.32</u> @ <u>59</u> °F Chlorides <u>26,500</u> ppm Recovery Chlorides <u>4,000</u> ppm System			
(A) Initial Hydrostatic Mud <u>2151</u> <u>2134</u> PSI Recorder No. <u>2342</u>	T-Started <u>12:50 AM</u>		
(B) First Initial Flow Pressure <u>56</u> <u>27</u> PSI (depth) <u>4192'</u>	T-Open <u>02:55 AM</u>		
(C) First Final Flow Pressure <u>56</u> <u>45</u> PSI Recorder No. <u>11057</u>	T-Pulled <u>06:55 AM</u>		
(D) Initial Shut-in Pressure <u>973</u> <u>980</u> PSI (depth) <u>4207'</u>	T-Out <u>09:20 AM</u>		
(E) Second Initial Flow Pressure <u>78</u> <u>48</u> PSI Recorder No. <u> </u>			
(F) Second Final Flow Pressure <u>112</u> <u>86</u> PSI (depth) <u> </u>			
(G) Final Shut-in Pressure <u>950</u> <u>974</u> PSI Initial Opening <u>30</u>	Test <u>X</u> <u>100</u>		
(H) Final Hydrostatic Mud <u>2140</u> <u>2112</u> PSI Initial Shut-in <u>60</u>	Jars <u>X</u> <u>200</u>		

AK-1	Final Flow <u>60</u>	Safety Joint <u>X</u> <u>50</u>
Final Shut-in <u>105</u>	Straddle <u> </u>	
<u>Waited on daylight</u>	Circ. Sub <u>X</u> <u>N/C</u>	
<u>Should have been</u>	Sampler <u> </u>	
<u>90 min Shut in.</u>	Extra Packer <u> </u>	
Approved By <u>Harold R. Trapp</u>	Elect. Rec. <u>X</u> <u>150</u>	
	Other <u> </u>	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petrol. Inc.
WELL NAME: Weisenberger 1-18
LOCATION : 18-18S-31W CO Scott KS
INTERVAL : 4270.00 To 4304.00 ft

DATE 2-28-98
KB 2964.00 ft TICKET NO: 11213 DST #7
GR 2959.00 ft FORMATION: pleasanton
TD 4304.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	2342		PF Fr. 1250 to 0120 hr
SI 60	Range(Psi)	4500.0	4500.0	4995.0	0.0	IS Fr. 0120 to 0220 hr
SF 30	Clock(hrs)	12	12	alpin		SF Fr. 0220 to 0250 hr
FS 60	Depth(ft)	4299.0	4299.0	4272.0	0.0	FS Fr. 0250 to 0350 hr

	Field	1	2	3	4	
1. Init Hydro	0.0	0.0	2167.0	0.0	0.0	T STARTED 2300 hr
2. First Flow	0.0	0.0	34.0	0.0	0.0	T ON BOTM 1247 hr
3. Final Flow	0.0	0.0	181.0	0.0	0.0	T OPEN 1250 hr
4. In Shut-in	0.0	0.0	903.0	0.0	0.0	T PULLED 0350 hr
5. Init Flow	0.0	0.0	190.0	0.0	0.0	T OUT 0615 hr
6. Final Flow	0.0	0.0	315.0	0.0	0.0	
7. Fl Shut-in	0.0	0.0	890.0	0.0	0.0	
8. Final Hydro	0.0	0.0	2118.0	0.0	0.0	
Inside/Outside	i	i	o			

RECOVERY

Bot Fluid 630.00 ft of 0.00 ft in DC and 630.00 ft in DP
00.00 ft of watery mud 40%water 60%mud
20.00 ft of slitly mud cut water 15%mud 85%water
20.00 ft of salt water 100% water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 38000.00 P.P.M. A.P.I. Gravity 0.00

SLOW DESCRIPTION

Initial Flow:
Bottom of bucket in 10 min
Initial Shut-in:
No return
Final Flow:
Bottom of bucket in 13 min
Final Shut-in:
No return

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.50 lb/cf
Vis. 60.00 S/L
W.L. 7.00 in3
F.C. 0.00 in
Mud Drop Y 15.0 ft

Amt. of fill 0.00 ft
Btm. H. Temp. 135.00 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 Shane McBride
Co. Rep. Harald
Contr. L.D.
Rig # 1
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18S-31W C0 Scott KS

TICKET No. 11213 D.S.T. No. 7 DATE 2-28-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 61

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands69 Single Total 4277

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4238

TOTAL DEPTH 4304

TOTAL DRILL PIPE ABOVE K.B. 34

REMARKS:

P.O. SUB	
C.O. SUB 1'	4242
S.I. TOOL 5'	4248
HMV 5'	4253
JARS 5'	4258
SAFETY JOINT 2'	4260
PACKER top	4265
PACKER bottom	4270
DEPTH 4270	
STUBB 1'	4271
ANCHOR 1' perf	4272
alpine recorder	4272
27' perf	4299
T.C.	
DEPTH	
AK-1 recorder	4299
BULLNOSE 5' bullplug	4304
T.D.	4304

TEST HISTORY

11213 DST #7 Weisenberger 1-18 CrossBar Petrol. Inc.

Flag Points
t(min.) P(PSig)

A: 0.00 2167.87
B: 0.00 34.43
C: 28.00 181.05
D: 61.00 903.79
E: 0.00 190.98
F: 28.00 315.27
G: 66.00 890.62
H: 0.00 2118.77

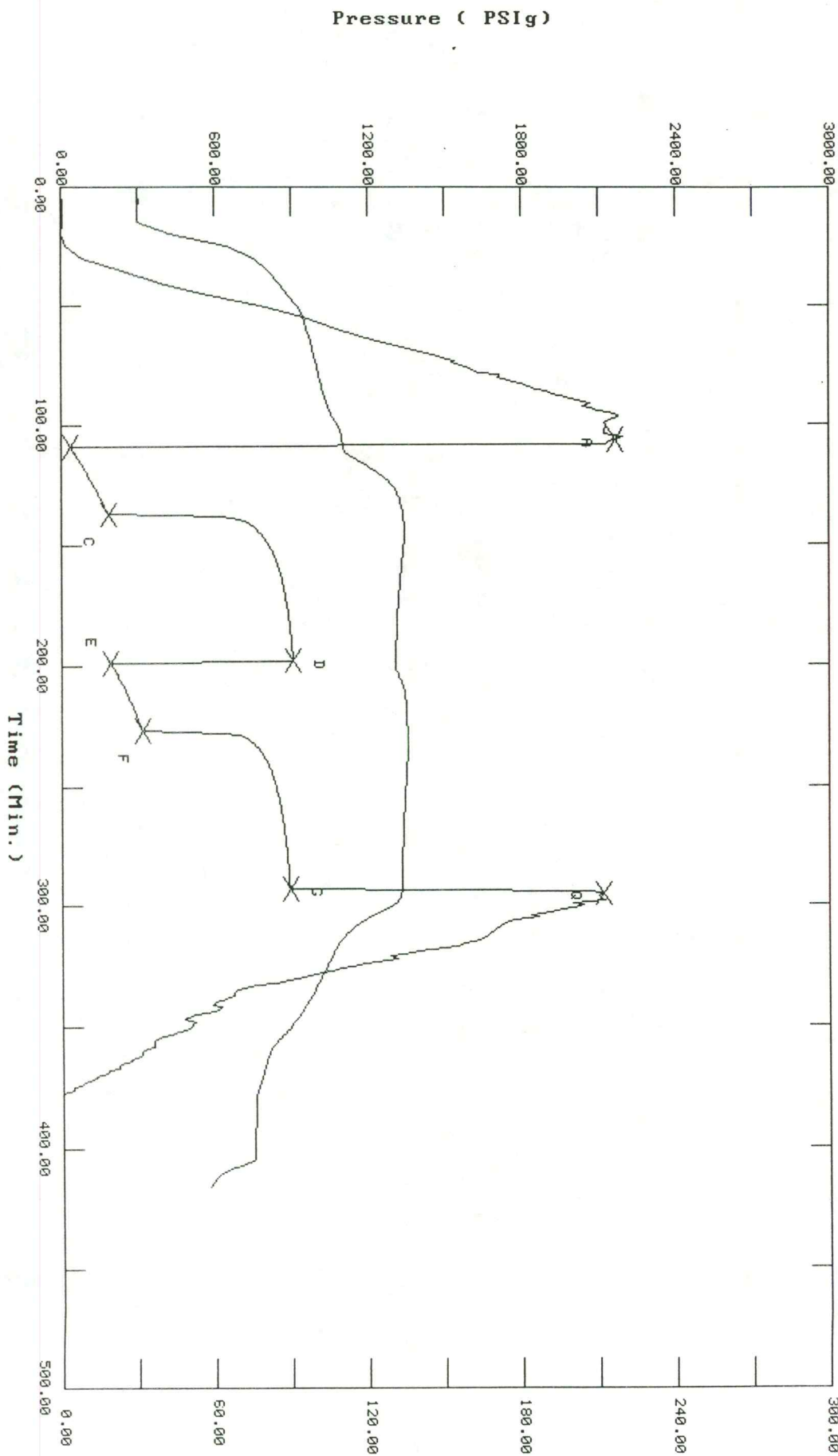
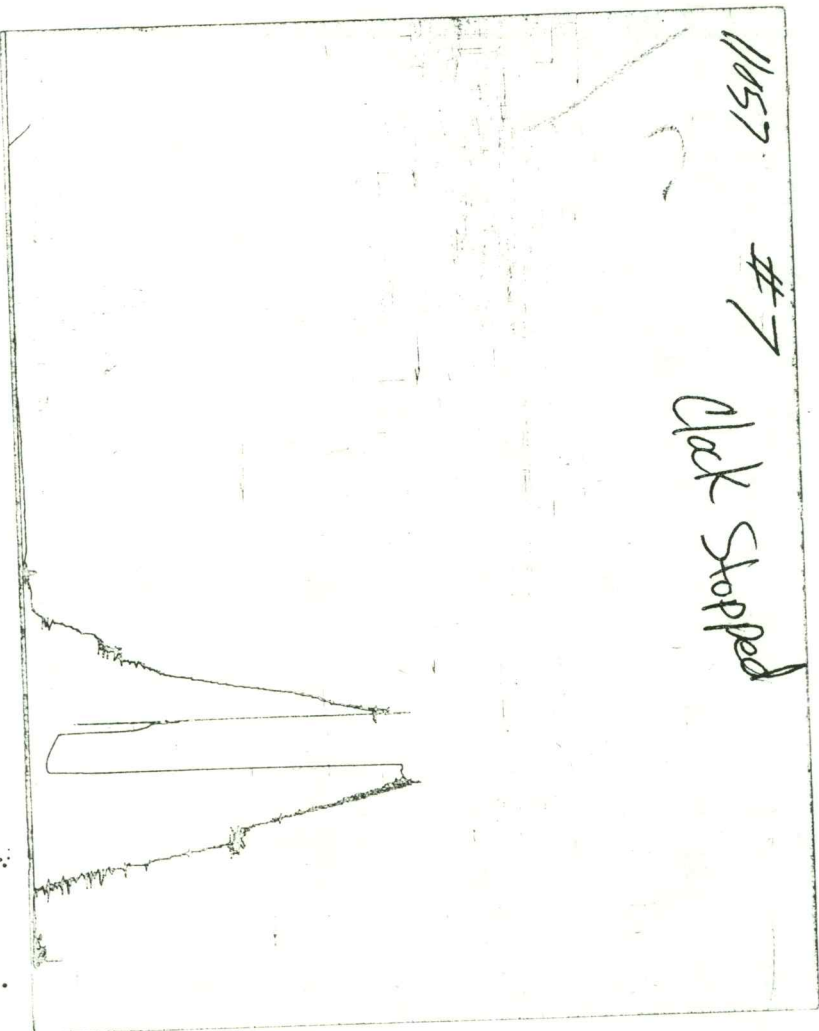


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11213

Well Name & No. <u>Weisenberger 1-18</u>	Test No. <u>7</u>	Date <u>2-28-98</u>
Company <u>CrossBar Petrol. Inc.</u>	Zone Tested <u>Pleasanton</u>	
Address <u>7570 W 21st Bldg 1014, Suite B, Wichita KS 67205</u>	Elevation <u>2964</u> KB <u>2959</u> GL	
Co. Rep / Geo. <u>Harold Trapp</u>	Cont. <u>L.D. #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>18</u> Rge. <u>31</u> Co. <u>Scott</u> State <u>KS</u>		
No. of Copies <u>None</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>4270</u> <u>4304</u>	Initial Str Wt./Lbs. <u>57000</u>	Unseated Str Wt./Lbs. <u>62,000</u>
Anchor Length <u>34</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>69,000</u>
Top Packer Depth <u>4265</u>	Tool Weight <u>4,000</u>	
Bottom Packer Depth <u>4270</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>4304</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u> </u>
Mud Wt. <u>9.4+</u> LCM <u>-</u> Vis. <u>60</u> WL <u>7.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4277'</u>

Blow Description B.O.B in 10 min.

S.I.: Bleed off blow - No return

F.F.: B.O.B in 13 min.

S.I.: Bleed off blow - No return

Recovery — Total Feet <u>630</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u>630</u>
Rec. <u>90</u> Feet Of <u>Watery M.D.</u>	%gas <u> </u>	%oil <u>40</u>	%water <u>60</u> %mud <u> </u>
Rec. <u>120</u> Feet Of <u>Silty M.D. & Water</u>	%gas <u> </u>	%oil <u>85</u>	%water <u>15</u> %mud <u> </u>
Rec. <u>420</u> Feet Of <u>Salt Water</u>	%gas <u> </u>	%oil <u>100</u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>

BHT 135° °F Gravity °API D@ °F Corrected Gravity °API

RW 24 @ 54 °F Chlorides 38,000 ppm Recovery Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud <u>2167</u> PSI	Recorder No. <u>2342</u>	T-Started <u>23:00 P.M.</u>
(B) First Initial Flow Pressure <u>Check</u> <u>34</u> PSI	(depth) <u>4272'</u>	T-Open <u>12:50 A.M.</u>
(C) First Final Flow Pressure <u>Check</u> <u>181</u> PSI	Recorder No. <u>11057</u>	T-Pulled <u>03:50 P.M.</u>
(D) Initial Shut-in Pressure <u>Stop</u> <u>903</u> PSI	(depth) <u>4299'</u>	T-Out <u>06:15 A.M.</u>
(E) Second Initial Flow Pressure <u>Stopped</u> <u>190</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u> </u> <u>315</u> PSI	(depth) <u> </u>	
(G) Final Shut-in Pressure <u> </u> <u>890</u> PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>700</u>
(H) Final Hydrostatic Mud <u>2118</u> PSI	Initial Shut-in <u>60</u>	Jars <u>X</u> <u>200</u>

AK-1

ALPINE

Final Flow 30

Safety Joint X 50

Final Shut-in 60

Straddle

Circ. Sub X N/C

Sampler

Extra Packer

Elect. Rec. X 150

Other

TOTAL PRICE \$ 1100

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Our Representative

Harold R. Trapp
Shuman B. Trapp

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petrol. Inc.

DATE 3-1-98

WELL NAME: Weisenberger 1-18

KB 2964.00 ft

TICKET NO: 11214

DST #8

LOCATION : 18-18S-31W CO Scott KS

GR 2959.00 ft

FORMATION: altamont

INTERVAL : 4334.00 To 4389.00 ft

TD 4389.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	2342			PF Fr. 2140 to 2210 hr
SI 60 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 2210 to 2310 hr
SF 30 Clock(hrs)	12	12	alpin			SF Fr. 2310 to 2340 hr
FS 60 Depth(ft)	4384.0	4384.0	4352.0	0.0	0.0	FS Fr. 2340 to 1240 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2210.0	0.0	0.0	T STARTED 2000 hr
B. First Flow	0.0	0.0	75.0	0.0	0.0	T ON BOTM 2137 hr
Bl. Final Flow	0.0	0.0	373.0	0.0	0.0	T OPEN 2140 hr
C. In Shut-in	0.0	0.0	962.0	0.0	0.0	T PULLED 1240 hr
D. Init Flow	0.0	0.0	418.0	0.0	0.0	T OUT 0340 hr
E. Final Flow	0.0	0.0	606.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	975.0	0.0	0.0	
G. Final Hydro	0.0	0.0	2187.0	0.0	0.0	
Inside/Outside	i	i	o			

TOOL DATA-----

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	69000.00 lbs
Initial Str Wt	59000.00 lbs
Unseated Str Wt	65000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.50 in
D.C. Length	0.00 ft
D.P. Length	4369.00 ft

RECOVERY

Tot Fluid 1305.00 ft of 0.00 ft in DC and 1305.00 ft in DP

105.00	ft of watery mud w/oil scum 40%water 60%mud
120.00	ft of mud cut water w/oil specs 25%mud 75%water
180.00	ft of slitly mud cut water 10%mud 90%water
900.00	ft of salt water 100% water
0.00	ft of
0.00	ft of
0.00	ft of
0.00	ft of

SALINITY 19500.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	46.00 S/L
W.L.	6.20 in3
F.C.	0.00 in
Mud Drop Y	10.0 ft

BLOW DESCRIPTION

Initial Flow:
Bottom of bucket in 4 min

Initial Shut-in:
Bleed off blow, no return

Final Flow:
Bottom of bucket in 5 min

Final Shut-in:
Bleed off blow, no return

Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 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	Shane McBride
Co. Rep.	Harald Trapp
Contr.	L.D.
Rig #	1
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18S-31W CO Scott KS

TICKET No. 11214 D.S.T. No. 8 DATE 3-1-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 24

TOTAL TOOL 51

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 82

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands70 Single Total 4338

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4420

TOTAL DEPTH 4389

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

P.O. SUB	
C.O. SUB 1'	4306
S.I. TOOL 5'	4312
HMV 5'	4317
JARS 5'	4322
SAFETY JOINT 2'	4324
PACKER top	4329
PACKER bottom	4334
DEPTH 4334	
STUBB 1'	4335
ANCHOR 16' perf	4351
1' c.o.	4352
alpine recorder	4352
31' drillpipe	4383
T.C.	
DEPTH	
1' c.o.	4384
AK-1 recorder	4384
BULLNOSE 5' bullplug	4389
T.D.	4389

11214 DST #8 Weisenberger 1-18 CrossBar Petrol. Inc.

TEST HISTORY

Flag Points
t(Min.) P (PSig)

A: 0.00 2210.07
B: 0.00 75.11
C: 30.00 373.61
D: 60.00 962.11
E: 0.00 418.21
F: 29.00 606.71
G: 59.00 975.47
H: 0.00 2187.78

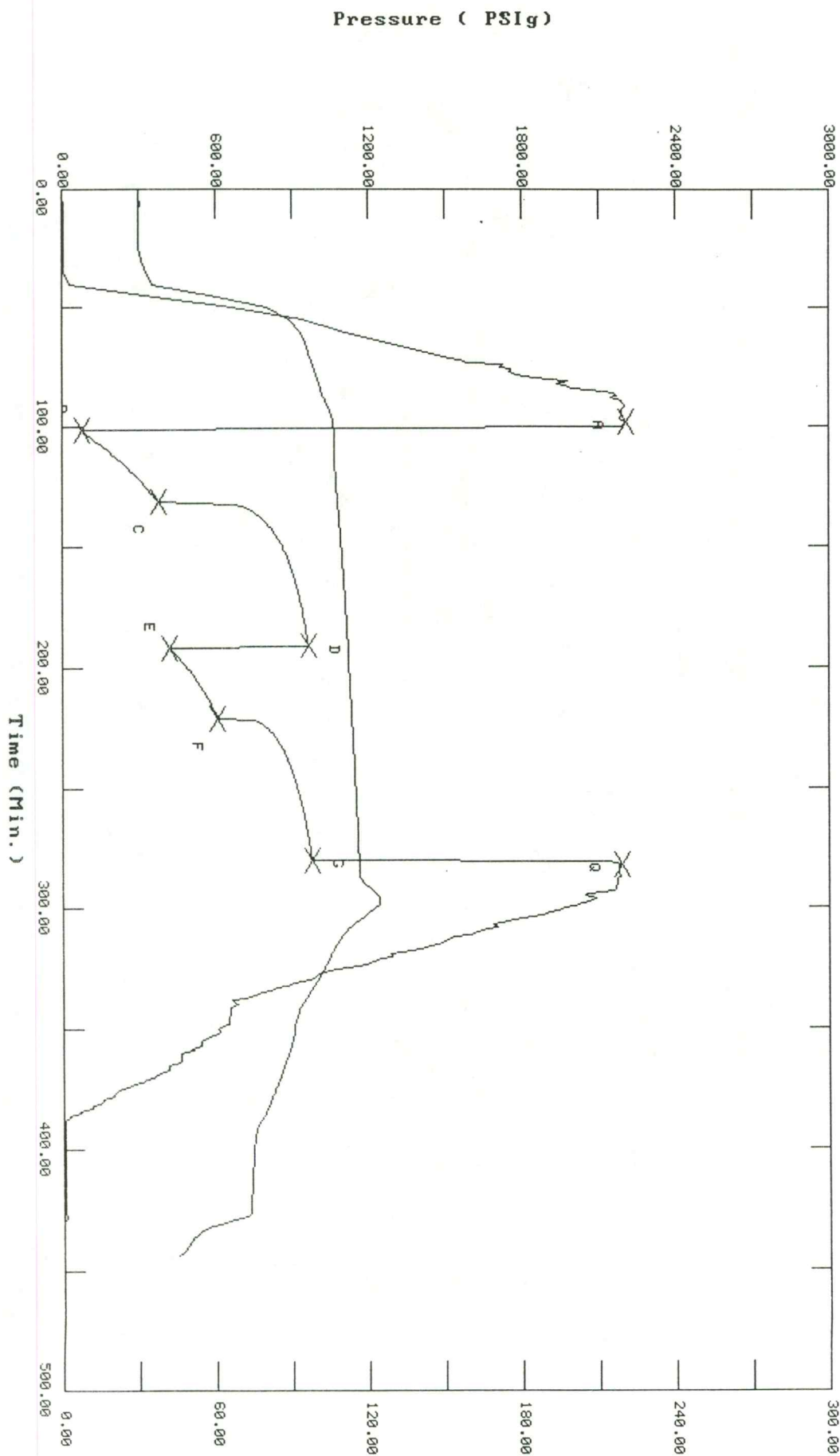
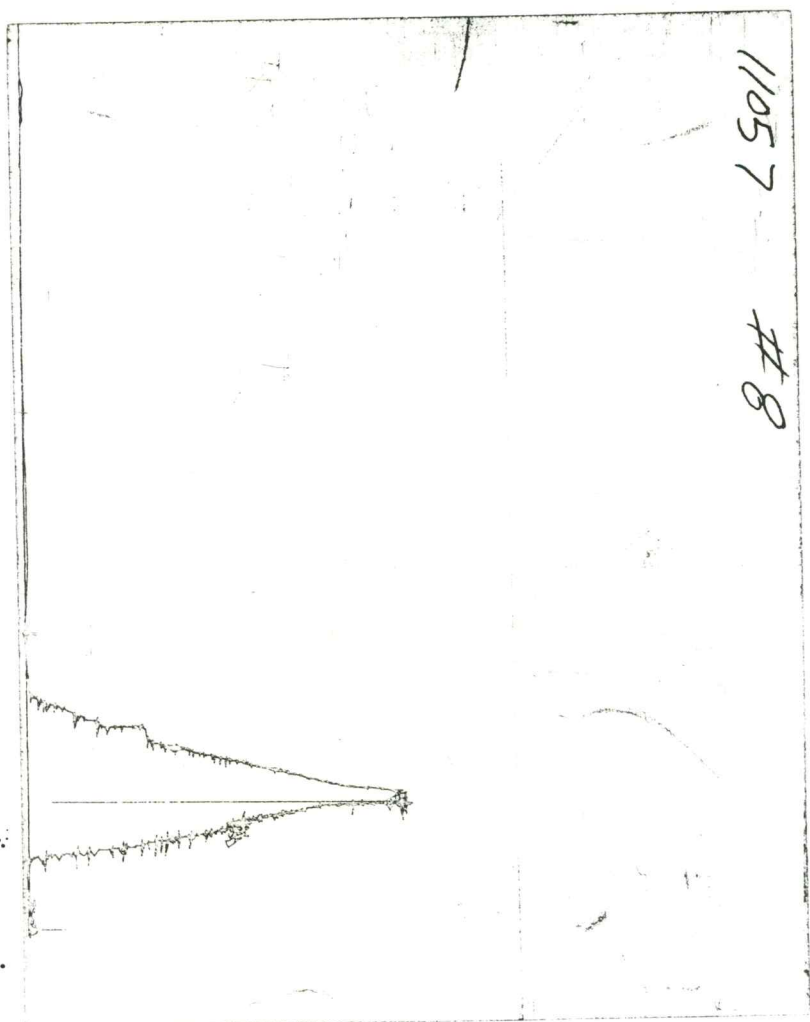


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11215

Well Name & No. <u>Weisenburger 1-18</u>	Test No. <u>8</u>	Date <u>3-1-98</u>
Company <u>Cross Bar Petrol Inc.</u>	Zone Tested <u>Altamont</u>	
Address <u>7570 W 21st Bldg D4 Suite B, Wichita KS</u>	Elevation <u>2964</u> KB <u>2959</u> GL	
Co. Rep / Geo. <u>Harold Trapp</u>	Cont. <u>h.p. #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>18</u> Twp. <u>18</u> Rge. <u>31</u> Co. <u>Scott</u> State <u>Ks</u>		
No. of Copies <u>Norm</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) _____

Interval Tested <u>4334</u> <u>4389</u>	Initial Str Wt./Lbs. <u>59,000</u> Unseated Str Wt./Lbs. <u>65,000</u>
Anchor Length <u>55</u>	Wt. Set Lbs. <u>26,000</u> Wt. Pulled Loose/Lbs. <u>69,000</u>
Top Packer Depth <u>4329</u>	Tool Weight <u>5000</u>
Bottom Packer Depth <u>4334</u>	Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth <u>4389</u>	Wt. Pipe Run _____ Drill Collar Run _____
Mud Wt. <u>9.4</u> LCM <u>-</u> Vis. <u>46</u> WL <u>6.2</u>	Drill Pipe Size <u>4 1/2 X 4</u> Ft. Run <u>4369</u>
Blow Description <u>B.O.B in 4 min</u>	
<u>No return</u>	

<u>B.O.B in 5 min</u>	
<u>No return</u>	

Recovery — Total Feet <u>1305'</u>	GIP <u>-</u>	Ft. in DC <u>-</u>	Ft. in DP <u>1305'</u>
Rec. <u>105</u> Feet Of <u>Watery Mud w/oil & scum</u>	%gas <u>scum</u> %oil <u>40</u> %water <u>60</u> %mud <u>-</u>		
Rec. <u>120</u> Feet Of <u>Mud Cut Water w/oil & scum</u>	%gas <u>scum</u> %oil <u>75</u> %water <u>25</u> %mud <u>-</u>		
Rec. <u>180</u> Feet Of <u>Slightly Mud Cut Water</u>	%gas <u>-</u> %oil <u>90</u> %water <u>10</u> %mud <u>-</u>		
Rec. <u>900</u> Feet Of <u>Salt Water</u>	%gas <u>-</u> %oil <u>100</u> %water <u>-</u> %mud <u>-</u>		
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____		

BHT <u>125°</u> °F Gravity <u>-</u> °API D@ <u>-</u> °F Corrected Gravity <u>-</u> °API
RW <u>.38</u> @ <u>64°</u> °F Chlorides <u>19,500</u> ppm Recovery Chlorides <u>3,000</u> ppm System

(A) Initial Hydrostatic Mud <u>2210</u> PSI Recorder No. <u>2342</u> T-Started <u>20:00 P.M.</u>
(B) First Initial Flow Pressure <u>75</u> PSI (depth) <u>4352</u> T-Open <u>21:40 P.M.</u>
(C) First Final Flow Pressure <u>373</u> PSI Recorder No. <u>11057</u> T-Pulled <u>12:40 A.M.</u>
(D) Initial Shut-in Pressure <u>962</u> PSI (depth) <u>4384</u> T-Out <u>03:40 A.M.</u>
(E) Second Initial Flow Pressure <u>418</u> PSI Recorder No. _____
(F) Second Final Flow Pressure <u>606</u> PSI (depth) _____
(G) Final Shut-in Pressure <u>975</u> PSI Initial Opening <u>30</u> Test <u>X</u> <u>700</u>
(H) Final Hydrostatic Mud <u>2187</u> PSI Initial Shut-in <u>60</u> Jars <u>X</u> <u>200</u>
<u>AK-1</u> <u>Alpine</u> Final Flow <u>30</u> Safety Joint <u>X</u> <u>50</u>
Final Shut-in <u>60</u> Straddle _____
Circ. Sub <u>X</u> <u>N/C</u>
Sampler _____
Extra Packer _____
Elect. Rec. <u>X</u> <u>150</u>
Other _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Harold R. Trapp

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petrol. DATE 3-3-98
WELL NAME: Weisenberger 1-18 KB 2964.00 ft TICKET NO: 11216 DST #9
LOCATION : 18-18S-31W CO Scott KS GR 2959.00 ft FORMATION: miss.
INTERVAL : 4564.00 To 4630.00 ft TD 4630.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2342			PF Fr. 1447 to 1517 hr
SI 60 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1517 to 1617 hr
SF 60 Clock(hrs)	12	12	alpin			SF Fr. 1617 to 1647 hr
FS 90 Depth(ft)	4627.0	4327.0	4593.0	0.0	0.0	FS Fr. 1647 to 1747 hr

	Field	1	2	3	4	
A. Init Hydro	2378.0	2377.0	2325.0	0.0	0.0	T STARTED 1310 hr
B. First Flow	77.0	112.0	36.0	0.0	0.0	T ON BOTM 1444 hr
Bl. Final Flow	66.0	92.0	39.0	0.0	0.0	T OPEN 1447 hr
C. In Shut-in	1097.0	1102.0	1089.0	0.0	0.0	T PULLED 1747 hr
D. Init Flow	88.0	104.0	40.0	0.0	0.0	T OUT 2120 hr
E. Final Flow	77.0	112.0	46.0	0.0	0.0	
F. Fl Shut-in	681.0	685.0	675.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2367.0	2334.0	2300.0	0.0	0.0	Tool Wt. 5000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 69000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 4568.00 ft

RECOVERY

Tot Fluid 25.00 ft of 0.00 ft in DC and 25.00 ft in DP
25.00 ft of drilg mud w/scum of oil on top 100% 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
0.00 ft of

SALINITY 4200.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
1/2" at open built to 3/4" died
back to 1/2"
Initial Shut-in:
No return
Final Flow:
Weak surface blow in 3 min. built
Final Shut-in:
No return

SAMPLES:
SENT TO:

Test Successful: Y

MUD DATA-----
Mud Type Chemical
Weight 9.40 lb/cf
Vis. 50.00 S/L
W.L. 9.20 in3
F.C. 0.00 in
Mud Drop N
Amt. of fill 0.00 ft
Btm. H. Temp. 128.00 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 Shane McBride
Co. Rep. Harald Trapp
Contr. L.D.
Rig # 1
Unit #
Pump T.

*** TOOL DIAGRAM *** CONV.

WELL NAME: Weisenberger 1-18

LOCATION : 18-18S-31W CO Scott KS

TICKET No. 11216 D.S.T. No. 9 DATE 3-3-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 35

TOTAL TOOL 62

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 93

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands73 Single 1 Total 4554

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4647

TOTAL DEPTH 4630

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

P.O. SUB	
C.O. SUB 1'	4536
S.I. TOOL 5'	4542
HMV 5'	4547
JARS 5'	4552
SAFETY JOINT 2'	4554
PACKER top	4559
PACKER bottom	4564
DEPTH 4564	
STUBB 1'	4565
ANCHOR 27' perf	4592
1' c.o.	4593
alpine recorder	4593
31' drillpipe	4624
T.C.	
DEPTH	
1' c.o	4625
ak-1 recorder	4627
BULLNOSE 5' bullplug	4630
T.D.	4630

11216 DST #9 Weisenberger 1-18 CrossBar Petrol. Inc.

TEST HISTORY

Flag Points
t(Min.) P(PSig)

A:	0.00	2325.33
B:	0.00	36.69
C:	30.00	39.80
D:	59.00	1089.01
E:	0.00	40.70
F:	60.00	46.99
G:	89.00	675.62
H:	0.00	2300.45

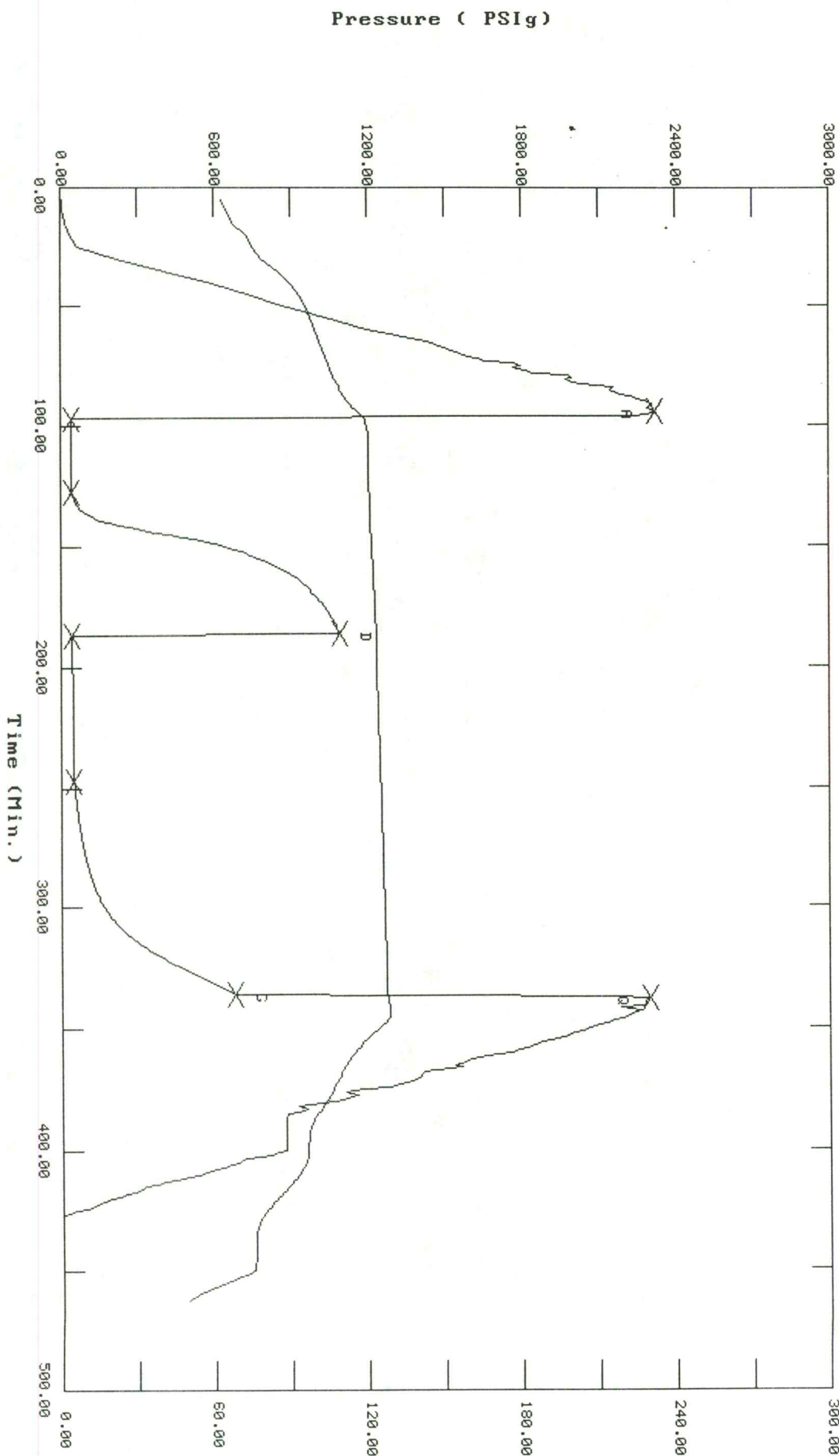
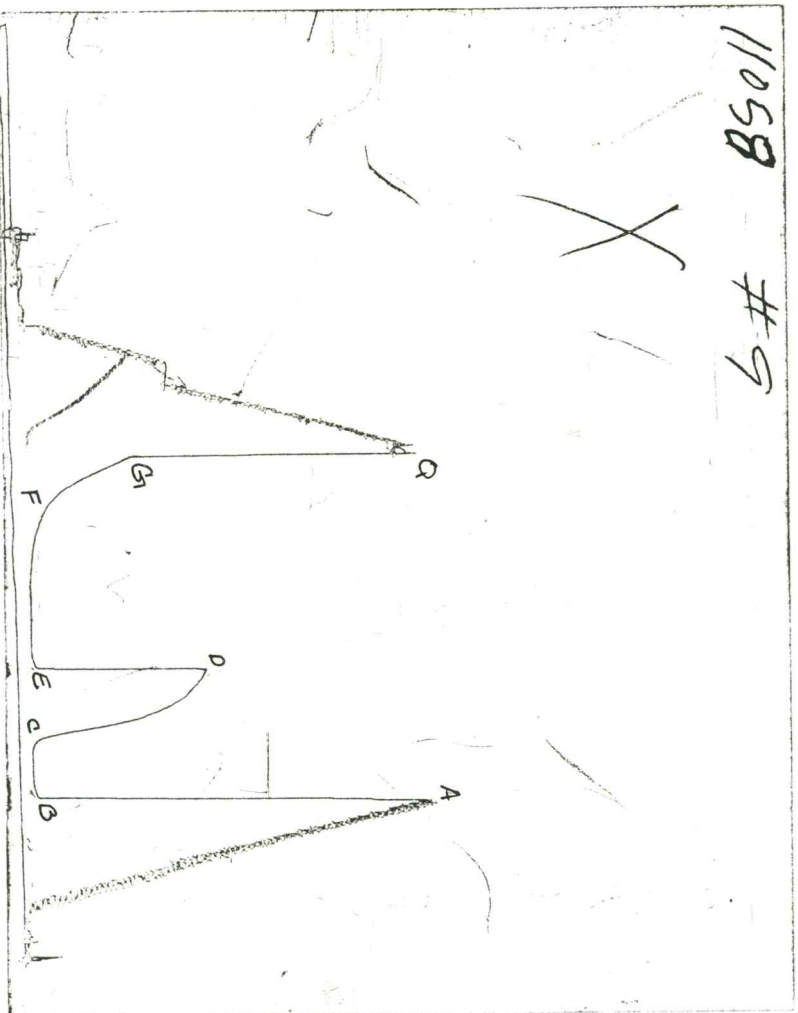


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11216

Well Name & No. <u>Weisenberger 1-18</u>	Test No. <u>9</u>	Date <u>3-3-98</u>
Company <u>Crossbar Petrol. Inc.</u>	Zone Tested <u>Min</u>	
Address <u>7570 W 21st Bldg 1014 Suite 13, Wichita Ks 67205</u>		Elevation <u>2964</u> KB <u>2959</u> GL
Co. Rep / Geo. <u>Harold Trapp</u>	Cont. <u>H.D. #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>18</u> Rge. <u>31</u>	Co. <u>Scott</u>	State <u>Ks</u>
No. of Copies <u>Num</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested <u>4564</u>	<u>4630</u>	Initial Str Wt./Lbs. <u>60000</u>	Unseated Str Wt./Lbs. <u>60000</u>
Anchor Length <u> </u>	<u>66</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>69,000</u>
Top Packer Depth <u> </u>	<u>4569</u>	Tool Weight <u>5,000</u>	
Bottom Packer Depth <u> </u>	<u>4564</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u> </u>	<u>4630</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u> </u>
Mud Wt. <u>9.4</u> LCM <u> </u> Vis. <u>51</u> WL <u>9.2</u>		Drill Pipe Size <u>4 1/2 X 14</u>	Ft. Run <u>4568'</u>
Blow Description <u>1/2" @ open hole to 3/4" in. died back to 1/2" in.</u>			

I.S.I: No return
 E.F: Weak surface blow in 3 min built to 1/4" in.
 E.S.I: No return

Recovery — Total Feet <u>25'</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u>25'</u>
Rec. <u>25'</u> Feet Of <u>Drilg Mud w/sumo oil</u>	%gas <u>sumo</u>	%oil <u> </u>	%water <u>100</u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>

BHT 128° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 4,200 ppm System

(A) Initial Hydrostatic Mud <u>2325</u> <u>2378</u> PSI	Recorder No. <u>2342</u>	T-Started <u>13:10 P.M.</u>
(B) First Initial Flow Pressure <u>36</u> <u>77</u> PSI	(depth) <u>4593'</u>	T-Open <u>14:47 P.M.</u>
(C) First Final Flow Pressure <u>39</u> <u>66</u> PSI	Recorder No. <u>11058</u>	T-Pulled <u>18:47 P.M.</u>
(D) Initial Shut-in Pressure <u>1089</u> <u>1097</u> PSI	(depth) <u>4627'</u>	T-Out <u>21:20 P.M.</u>
(E) Second Initial Flow Pressure <u>40</u> <u>88</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u>46</u> <u>77</u> PSI	(depth) <u> </u>	
(G) Final Shut-in Pressure <u>675</u> <u>681</u> PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>700</u>
(H) Final Hydrostatic Mud <u>2300</u> <u>2367</u> PSI	Initial Shut-in <u>60</u>	Jars <u>X</u> <u>200</u>

AMARINE AK-1
 Final Flow 60 Safety Joint X 50
 Final Shut-in 90 Straddle
 Circ. Sub X N/C
 Sampler
 Extra Packer
 Elect. Rec. X 150
 Other

Approved By Harold R. Trapp

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.