

15-063-21534

TRILOBITE TESTING L.L.C.

19-14s-3w

OPERATOR : Shields Oil Producers
WELL NAME: Sharp B #1
LOCATION : 19-14s-30w Gove co KS
INTERVAL : 4340.00 To 4370.00 ft

DATE 5-18-99
KB 2787.00 ft TICKET NO: 11392 DST #1
GR 2782.00 ft FORMATION: Myric Station
TD 4370.00 ft TEST TYPE: CONV.

RECORDER DATA

Table with columns: Mins, Rec., Field, 1, 2, 3, 4, TIME DATA. Rows include PF, SI, SF, FS with various readings and time intervals.

Table with columns: A-G, Field, 1, 2, 3, 4, TOOL DATA. Rows include Init Hydro, First Flow, Final Flow, In Shut-in, Init Flow, Final Flow, Fl Shut-in, Final Hydro, Inside/Outside.

RECOVERY

Tot Fluid 40.00 ft of 0.00 ft in DC and 40.00 ft in DP
140.00 ft of Gas in pipe
40.00 ft of Gassy oil cut mud 10% gas 40% oil 50% 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

BLOW DESCRIPTION

Initial Flow: Weak 1/4"
Initial Shut-in: No return
Final Flow: 1" at open built to 3"
Final Shut-in: No return

MUD DATA

Mud Type Chemical
Weight 9.40 lb/cf
Vis. 49.00 S/L
W.L. 0.00 in3
F.C. 0.00 in
Mud Drop N
Amt. of fill 0.00 ft
Btm. H. Temp. 118.00 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. Scott Oatsdean
Contr. Shields
Rig # 1
Unit #
Pump T.

Test Successful: Y

SAMPLES:
SENT TO:

*** TOOL DIAGRAM *** CONV.

WELL NAME: Sharp B #1

LOCATION : 19-14-30

TICKET No. 11392 D.S.T. No. 1 DATE 5-18-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 30

TOTAL TOOL 52

WELL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 52

C. ABOVE TOOLS.Stands Single Total

P. ABOVE TOOLS.Stands69 Single Total 4330

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4382

TOTAL DEPTH 4370

TOTAL DRILL PIPE ABOVE K.B. 12

REMARKS:

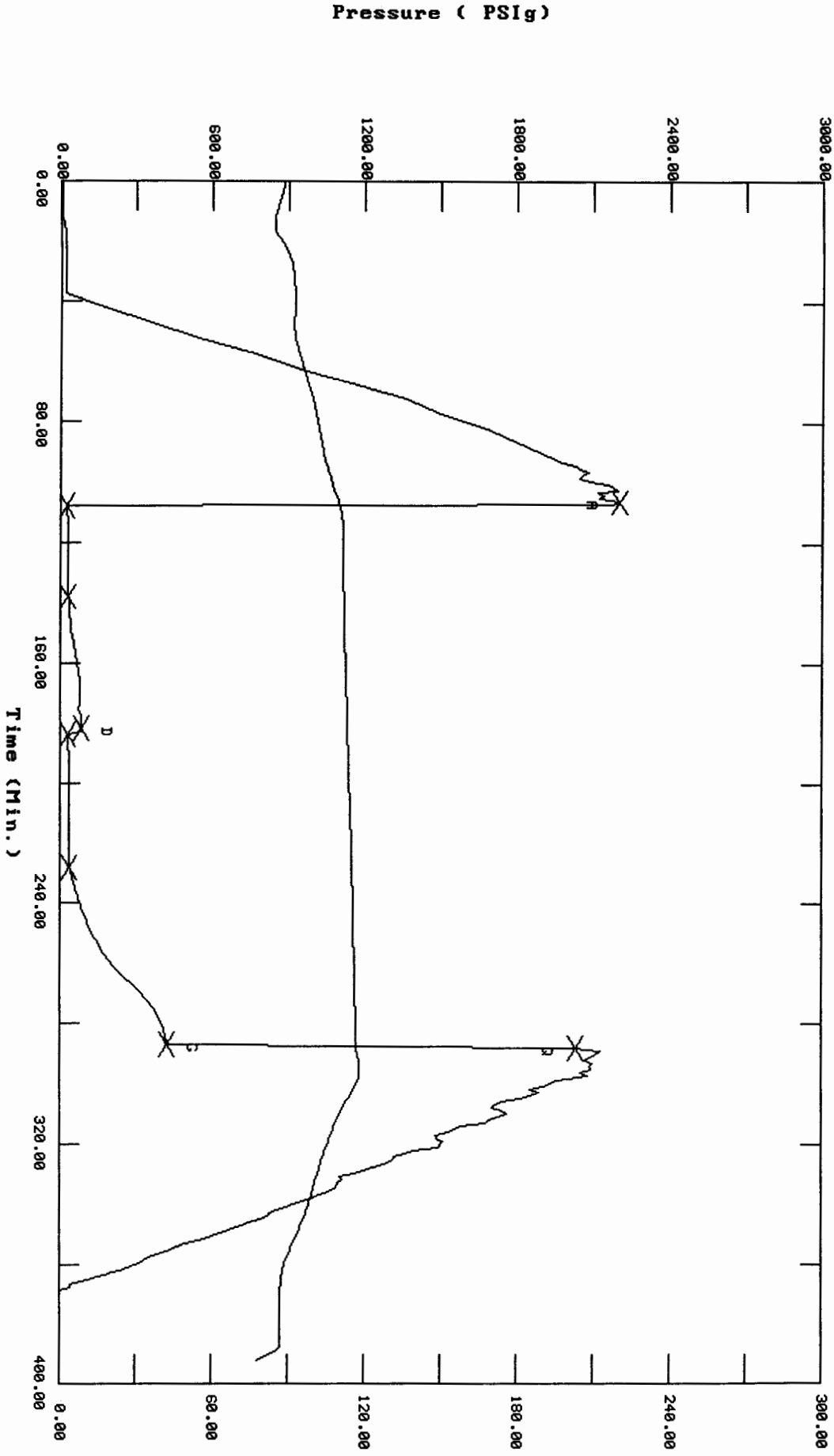
P.O. SUB	
C.O. SUB 1'	4317
S.I. TOOL 5'	4323
HMV 5'	4328
JARS	
SAFETY JOINT 2'	4330
PACKER top	4335
PACKER bottom	4340
DEPTH 4340	
STUBB 1'	4341
ANCHOR 5' perf	4346
alpine recorder	4346
19' perf	4365
ak-1 recorder	4365
T.C.	
DEPTH	
BULLNOSE 5' bullplug	4370
T.D.	4370

TEST HISTORY

11392 Dst #1 Sharp B #1 Shields Oil Producers

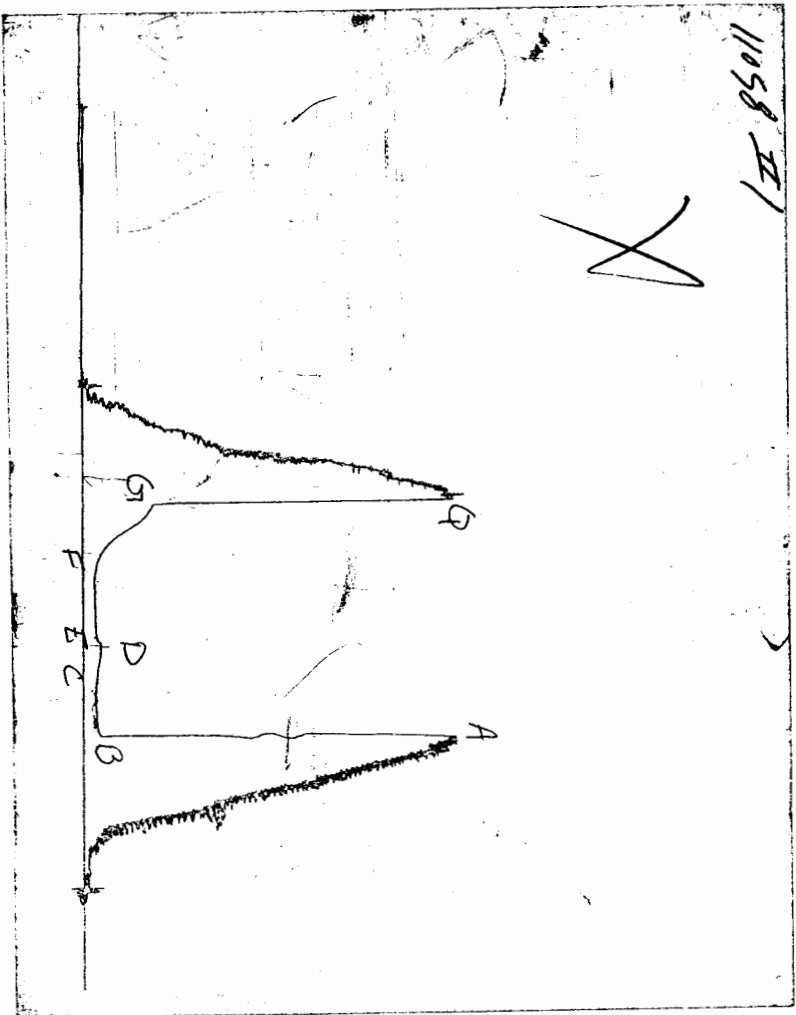
Flag Points

	t(Min.)	P(PSIg)
R:	0.00	2201.72
B:	0.00	23.54
C:	30.00	28.54
D:	44.00	83.32
E:	0.00	27.62
F:	44.00	35.05
G:	59.00	424.40
Q:	0.00	2033.73



Temperature (DEG F)

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 11392

Well Name & No. Sharp B #1 Test No. 1 Date 5-18-99
Company Shields Oil Producers Zone Tested Phyre Station
Address _____ Elevation 2787 KB 2782 GL
Co. Rep / Geo. Scott Oatsdean Cont. Shields Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 19 Twp. 14 Rge. 30 Co. Gove State Ks
No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 4340 4320 Initial Str Wt./Lbs. 62000 Unseated Str Wt./Lbs. 63000
Anchor Length _____ 30 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 84,000
Top Packer Depth _____ 4335 Tool Weight 4,000
Bottom Packer Depth _____ 4340 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth _____ 4370 Wt. Pipe Run 820' Drill Collar Run _____
Mud Wt. 9.4 LCM _____ Vis. 49 WL _____ Drill Pipe Size 4 1/2 FH Ft. Run 3810'
Blow Description weak 1/4" in blow

No return
1" @ open built to 3" in.
No return

Recovery — Total Feet 40' GIP 140' Ft. in DC _____ Ft. in DP 40'
Rec. 40' Feet Of Gassy Oil Cut mud. %gas 10 %oil _____ %water _____ %mud _____
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____

BHT 118° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

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

(A) Initial Hydrostatic Mud	<u>2177</u>	<u>2201</u>	PSI	Recorder No. <u>2346</u>	T-Started <u>14:20 p.m.</u>
(B) First Initial Flow Pressure	<u>64</u>	<u>23</u>	PSI	(depth) <u>4346</u>	T-Open <u>16:10 p.m.</u>
(C) First Final Flow Pressure	<u>64</u>	<u>28</u>	PSI	Recorder No. <u>11058</u>	T-Pulled <u>19:10 p.m.</u>
(D) Initial Shut-in Pressure	<u>100</u>	<u>83</u>	PSI	(depth) <u>4365</u>	T-Out <u>21:10 p.m.</u>
(E) Second Initial Flow Pressure	<u>77</u>	<u>27</u>	PSI	Recorder No. _____	
(F) Second Final Flow Pressure	<u>77</u>	<u>35</u>	PSI	(depth) _____	
(G) Final Shut-in Pressure	<u>422</u>	<u>424</u>	PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>700</u>
(H) Final Hydrostatic Mud	<u>2165</u>	<u>2033</u>	PSI	Initial Shut-in <u>45</u>	Jars _____

AK-1 AK-1 Final Flow 45 Safety Joint X 50

Final Shut-in 60 Straddle _____
Circ. Sub X N/C
Sampler _____
Extra Packer _____

Approved By Scott A. Oatsdean
Our Representative Steve M. Burt
Elect. Rec. X 150
Other _____
TOTAL PRICE \$ 900

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 : Shields Oil Producers
 WELL NAME: Sharp B #1
 LOCATION : 19-14s-30w Gove co KS
 INTERVAL : 4400.00 To 4470.00 ft

DATE 5-19-99

KB 2787.00 ft TICKET NO: 11393 DST #2
 GR 2782.00 ft FORMATION: johnson
 TD 4470.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2346			PF Fr. 1240 to 1310 hr
SI 45 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1310 to 1355 hr
SF 45 Clock(hrs)	12	12	alpin			SF Fr. 1355 to 1440 hr
FS 60 Depth(ft)	4465.0	4465.0	4434.0	0.0	0.0	FS Fr. 1440 to 1540 hr

	Field	1	2	3	4	
A. Init Hydro	2289.0	2306.0	2269.0	0.0	0.0	T STARTED 1040 hr
B. First Flow	100.0	102.0	41.0	0.0	0.0	T ON BOTM 1236 hr
B1. Final Flow	111.0	107.0	84.0	0.0	0.0	T OPEN 1240 hr
C. In Shut-in	884.0	881.0	877.0	0.0	0.0	T PULLED 1540 hr
D. Init Flow	122.0	132.0	84.0	0.0	0.0	T OUT 1755 hr
E. Final Flow	144.0	144.0	118.0	0.0	0.0	
F. Fl Shut-in	714.0	717.0	719.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2278.0	2283.0	2213.0	0.0	0.0	Tool Wt. 5000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 92000.00 lbs
						Initial Str Wt 64000.00 lbs
						Unseated Str Wt 64000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 3603.00 ft
						H.W. I.D 3.50 in
						H.W. Length 820.00 ft

RECOVERY

Tot Fluid 150.00 ft of 0.00 ft in DC and 150.00 ft in DP
 150.00 ft of watery mud w/oil specs 30%water 70% 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

TOOL DATA-----
 Tool Wt. 5000.00 lbs
 Wt Set On Packer 26000.00 lbs
 Wt Pulled Loose 92000.00 lbs
 Initial Str Wt 64000.00 lbs
 Unseated Str Wt 64000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.50 in
 D.C. Length 0.00 ft
 D.P. Length 3603.00 ft
 H.W. I.D 3.50 in
 H.W. Length 820.00 ft

SALINITY 22000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.60 lb/cf
Vis.	48.00 S/L
W.L.	8.80 in3
F.C.	0.00 in

BLOW DESCRIPTION

Initial Flow:
 1/4" at open built to 4"
 Initial Shut-in:
 No return
 Final Flow:
 Weak surface blow in 9 mins. slow
 build to 1 1/2"
 Final Shut-in:
 No return

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. Scott Oatsdean
 Contr. Shields
 Rig # 1
 Unit #
 Pump T.

SAMPLES:
 SENT TO:

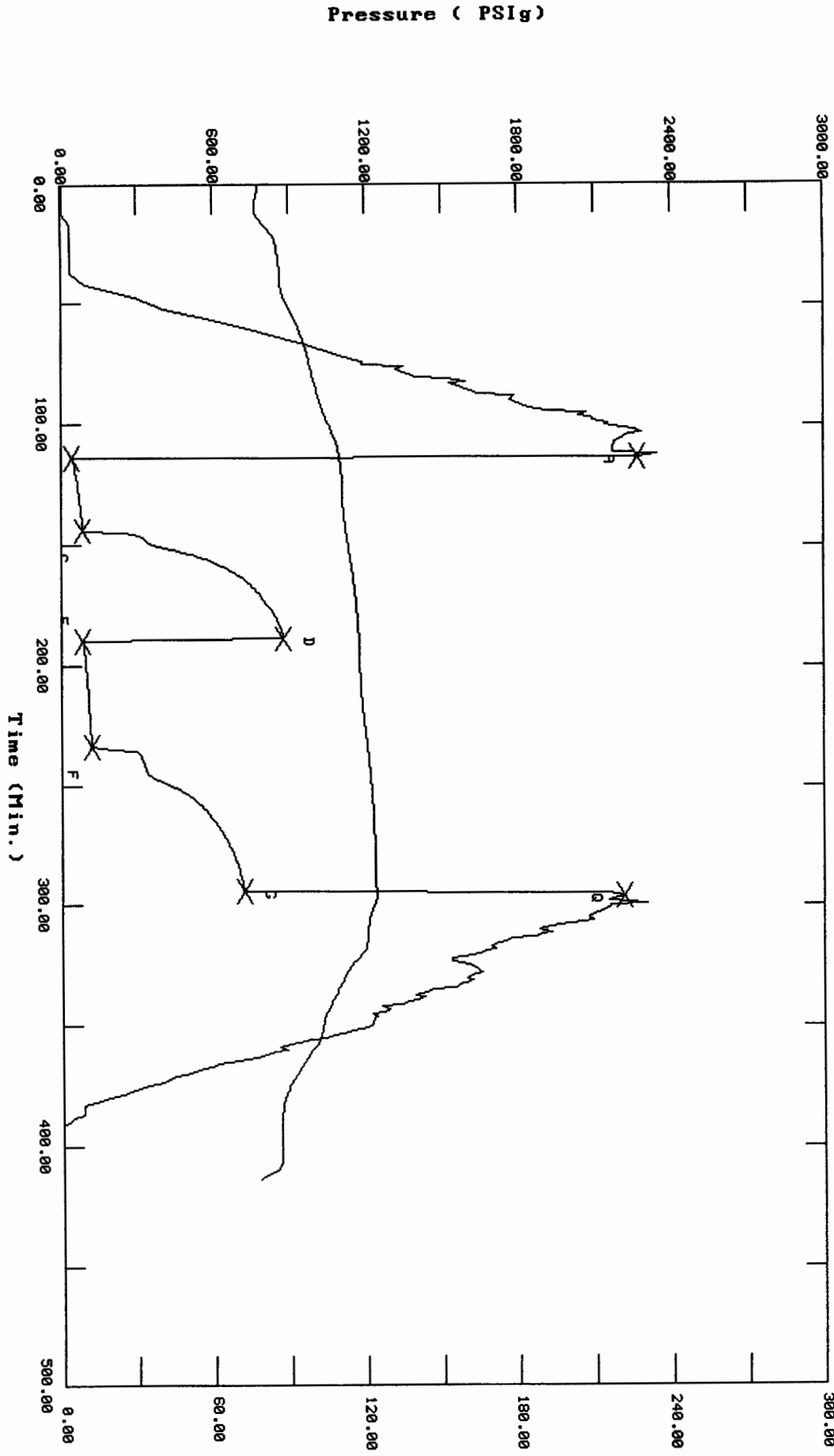
Test Successful: Y

11393 DST #2 Sharp B #1 Shields Oil Producers.

TEST HISTORY

Flag Points
 t(Min.) Pk PSig)

R:	0.00	2269.31
B:	0.00	41.52
C:	30.00	84.22
D:	45.00	877.16
E:	0.00	84.62
F:	44.00	118.67
G:	60.00	719.28
0:	0.00	2213.57



Pressure (PSig)

Temperature (DEG F)

Time (Min.)

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11393

Well Name & No. <u>Sharp B #1</u>		Test No. <u>2</u>	Date <u>5-19-99</u>
Company <u>Shields Oil Producers</u>		Zone Tested <u>Johnson</u>	
Address _____		Elevation <u>2787</u> KB <u>2782</u> GL	
Co. Rep / Geo. <u>Scott Oatsdew</u> Cont. <u>Shields</u>		Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>19</u>	Twp. <u>14</u>	Rge. <u>30</u>	Co. <u>Grove</u> State <u>KS</u>
No. of Copies <u>Actn</u> Distribution Sheet (Y, N) <u>N</u>		Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) _____

Interval Tested <u>4400</u> <u>4470</u>	Initial Str Wt./Lbs. <u>64,000</u>	Unseated Str Wt./Lbs. <u>64,000</u>
Anchor Length _____	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>92,000</u>
Top Packer Depth _____	Tool Weight <u>5,000</u>	
Bottom Packer Depth _____	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth _____	Wt. Pipe Run <u>820'</u>	Drill Collar Run _____
Mud Wt. <u>9.6*</u> LCM <u>0</u> Vis. <u>48</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 FH</u>	Ft. Run <u>3603'</u>
Blow Description <u>1 1/2" @ open built to 4" in.</u>		

No return
Weak surface blow in 9min. slow build to 1 1/2" in.
No return

Recovery — Total Feet <u>150'</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>150'</u>
Rec. <u>150'</u>	Feet Of <u>Watery Mud</u>	%gas <u>Spud</u>	%oil <u>30</u> %water <u>70</u> %mud
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %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 .253 @ 80 °F Chlorides 22,000 ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud <u>2289</u> <u>2269</u> PSI	Recorder No. <u>2346</u>	T-Started <u>10:40 am</u>
(B) First Initial Flow Pressure <u>100</u> <u>41</u> PSI	(depth) <u>4434'</u>	T-Open <u>12:40 P.m</u>
(C) First Final Flow Pressure <u>111</u> <u>84</u> PSI	Recorder No. <u>11058</u>	T-Pulled <u>15:40 P.m</u>
(D) Initial Shut-in Pressure <u>884</u> <u>877</u> PSI	(depth) <u>4465'</u>	T-Out <u>17:55 P.m.</u>
(E) Second Initial Flow Pressure <u>122</u> <u>84</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>144</u> <u>118</u> PSI	(depth) _____	
(G) Final Shut-in Pressure <u>714</u> <u>719</u> PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>700</u>
(H) Final Hydrostatic Mud <u>2278</u> <u>2213</u> PSI	Initial Shut-in <u>45</u>	Jars _____
<u>AK-1</u> <u>Alpine</u>	Final Flow <u>45</u>	Safety Joint <u>X</u> <u>50</u>
	Final Shut-in <u>60</u>	Straddle _____

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Approved By Scott A. Oatsdew
 Our Representative [Signature]

Circ. Sub X N/C
 Sampler _____
 Extra Packer _____
 Elect. Rec. X 150
 Other _____
 TOTAL PRICE \$ 900