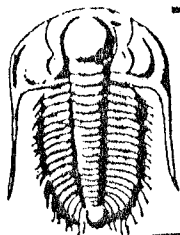


15-159-22406

5-20-9W
ORIGINAL
TRILOBITE
TESTING, INC.
DRILL STEM TEST REPORT
 Don Fox

Well name#:	Sharpe # 4	Date:	10/12/2002
Location#:	5-20S-9W /Rice Co. Kansas	Ticket #:	16333
		DST#	1

General Informaion:

Formation:

Brownsville

Test Type: Conventional

BHT: 90

Interval:

2005-2120

Tester: Darren Amerine

OIL API:

Total Depth:

2120

Elevation: 1724 ft(KB)

H2O Salinity:

Hole Diameter:

7 7/8"

Elevation: 1714 ft(CF)

Start Data:

10/12/2002

Tool Weight: 2100

Mud Type:

Start Time:

7:00:00

Weight Set on Packers: 20000

Mud Weight: 9

Time tool opened:

8:27:00

Weight to Pull Loose: 58000

Viscosity: 42

Time Off Btm:

10:27:00

Initial String Weight: 52000

Water Loss: N/A

End Date:

10/12/02

Final String Weight: 52000

Resistivity:

End Time:

12:00:00

Drill Pipe Length: 1833

Salinity:

Drill Collar Length: 243

Test Comment:

IF- fair blow built to BOB in 18 minutes
 ISI - Bled down for 5 minutes, no blow
 FF - fair blow built to 4" in water bucket
 FSI - bled down for 5 minutes, no blow back

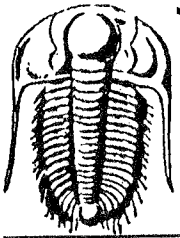
Recovery
Length(ft):
 70 SGCM 10%G 90%M
 Trace GIP

Gas Volume Report

Recorder #:	10991	Time:(min)	O Min:	Ins. Of water PSIG	Orifice size	MCF/D
Pressure Summary:						
Initial Hydro-static:	1013	30				
Open to Flow (1):	32	30				
Shut-in (1):	32					
End Shut-in (1):	489					
Open to Flow (2):	75	30				
Shut-in (2):	85	30				
End Shut-in (2):	436					
Final Hydro-static:	1023					

 RECEIVED
 DEC 04 2002
 KCC WICHITA

ORIGINAL


TRILOBITE
TESTING, INC.

 DRILL STEM TEST REPORT
 Don Fox

Well name#:	Sharpe # 4	Date:	10/12/2002
Location#:	5-20S-9W /Rice Co. Kansas	Ticket #:	16334
		DST#	2

General Informaion:

Formation:	Tarkio	Test Type:	Conventional	BHT:	120
Interval:	2156-2240	Tester:	Darren Amerine	OIL API:	
Total Depth:	2240	Elevation:	1724 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		1414 ft(CF)		

Start Data:	10/12/2002	Tool Weight:	2100	Mud Type:	
Start Time:	19:00:00	Weight Set on Packers:	20000	Mud Weight:	9.4
Time tool opened:	21:06:00	Weight to Pull Loose:	65000	Viscosity:	45
Time Off Btm:	23:36:00	Initial String Weight:	52000	Water Loss:	N/A
End Date:	10/13/02	Final String Weight:	54000	Resistivity:	
End Time:	1:30:00	Drill Pipe Length:	1953"	Salinity:	
		Drill Collar Length:	243		

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 KCC WICHITA

Test Comment:

IF - Fair blow built BOB in 2 1/2 minutes
 ISI - Bled down for 5 minutes, weak surface blow back
 FF - Weak blow built to BOB in 15 minutes
 FSI - Bled down for 10 minutes, no blow back

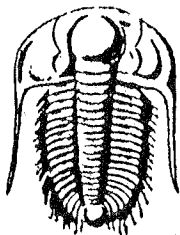
Recovery
Length(ft):

530 SMCW 90%W 10%M
 120 HMCW 50%W 50%M

Gas Volume Report

Recorder #:	10991	O Min:	Ins. Of water PSIG	Orifice size	MCF/D
Pressure Summary:	Time:(min)				
Initial Hydro-static:	1119				
Open to Flow (1):	32 30				
Shut-in (1):	181 30				
End Shut-in (1):	724				
Open to Flow (2):	223 60				
Shut-in (2):	309 30				
End Shut-in (2):	703				
Final Hydro-static:	1109				

ORIGINAL


TRILOBITE
TESTING, INC.
DRILL STEM TEST REPORT
 Don Fox

Well name#:	Sharpe # 4	Date:	10/15/2002
Location#:	5-20S-9W /Rice Co. Kansas	Ticket #:	16662
		DST#	3

General Informaion:

Formation:	Arbuckle	Test Type:	Conventional	BHT:	108
Interval:	3170-3250	Tester:	John Schmidt	OIL API:	
Total Depth:	3250	Elevation:	1722 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		1714 ft(CF)		
Start Data:	10/15/2002	Tool Weight:	3500	Mud Type:	
Start Time:	13:00:00	Weight Set on Packers:	25000	Mud Weight:	9.2
Time tool opened:	14:15:00	Weight to Pull Loose:	70000	Viscosity:	45
Time Off Btm:	16:00:00	Initial String Weight:	60000	Water Loss:	8
End Date:	10/15/02	Final String Weight:	69000	Resistivity:	
End Time:	19:30:00	Drill Pipe Length:	1161	Salinity:	
		Drill Collar Length:	243		

 RECEIVED
 DEC 04 2002
 KCC WICHITA

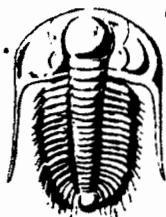
Test Comment:

 IF - Strong BOB in 1 minute
 ISI - No blow
 FF - Strong BOB in 2 minutes
 FSI - No blow
Recovery
Length(ft):

124 MGO CUT WATER	10%G 20%O 65%W 5%M
400 MWG CUT OIL	20%G 50%O 25%W 5%M
700 MWG CUT OIL	20%G 45%O 20%W 15%M
180 SOG CUT MUD	20%G 10%O 70%M

Gas Volume Report

Recorder #:	11084	O Min:	Ins. Of water PSIG	Orifice size	MCF/D
Pressure Summary:	Time:(min)				
Initial Hydro-static:	1573				
Open to Flow (1):	219 30				
Shut-in (1):	515 30				
End Shut-in (1):	1067				
Open to Flow (2):	526 15				
Shut-in (2):	602 30				
End Shut-in (2):	1067				
Final Hydro-static:	1519				



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INW. 5195

No 16333

Test Ticket

Well Name & No. <u>Sharpe #4</u>	Test No. <u>#1</u>	Date <u>10/12/02</u>
Company <u>Don Fox</u>	Zone Tested <u>Brownsville Lime</u>	
Address <u>South Main Chase, KS-67524</u>	Elevation <u>1724</u>	KB <u>1714</u> GL
Co. Rep / Geo. <u>Don Fox</u>	Cont. <u>Sterling #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>5</u>	Twp. <u>20 S</u>	Rge. <u>9 W</u> Co. <u>Rice</u> State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>2005 - 2120</u>	Initial Str Wt./Lbs. <u>52,000</u>	Unseated Str Wt./Lbs. <u>52,000</u>
Anchor Length <u>115'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>58,000</u>
Top Packer Depth <u>2000'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>2005'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>2120'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>242.97</u>
Mud Wt. <u>9.0</u> LCM <u>0</u> Vis. <u>42</u> WL <u>N/A</u>	Drill Pipe Size <u>4 1/2 x 14</u>	Ft. Run <u>1833.03</u>
Blow Description <u>IF: Fair blow built to b.o.b in 18 mins.</u>		
<u>ISI: Bled down for 5 mins. No blow</u>		
<u>FF: Fair blow built to 4" in 1120 bucket</u>		
<u>FST: Bled down for 5 mins. No blackback</u>		

Recovery — Total Feet <u>70'</u>	GIP <u>Trace</u>	Ft. in DC <u> </u>	Ft. in DP <u> </u>
Rec. <u>70'</u> Feet Of <u>SGCM</u>	<u>10</u> %gas	%oil	%water <u>90</u> %mud
Rec. <u>Trace</u> Feet Of <u>61P</u>	%gas	%oil	%water
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water
BHT <u>90°</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F	Chlorides <u> </u> ppm Recovery	Chlorides <u>N/A</u>	ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1013</u>		PSI Recorder No. <u>10991</u>	T-On Location <u>0400</u>
(B) First Initial Flow Pressure	<u>32</u>		PSI (depth) <u>2007'</u>	T-Started <u>0700</u>
(C) First Final Flow Pressure	<u>32</u>		PSI Recorder No. <u>13769</u>	T-Open <u>0827</u>
(D) Initial Shut-In Pressure	<u>489</u>		PSI (depth) <u>2017</u>	T-Pulled <u>1027</u>
(E) Second Initial Flow Pressure	<u>75</u>		PSI Recorder No. <u> </u>	T-Out <u>1200</u>
(F) Second Final Flow Pressure	<u>85</u>		PSI (depth) <u> </u>	T-Off Location <u>1230</u>
(G) Final Shut-in Pressure	<u>436</u>		PSI Initial Opening <u>30</u>	Test <u> </u> <u>700</u>
(Q) Final Hydrostatic Mud	<u>1023</u>		PSI Initial Shut-in <u>30</u>	Jars <u> </u> <u>200</u>
			Final Flow <u>30</u>	Safety Joint <u> </u> <u>50</u>
			Final Shut-in <u>30</u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <u>60</u> <u>68</u>
				Other <u> </u>
				TOTAL PRICE \$ <u>1018</u>

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Approved By Wayne Helzlsouer

Our Representative Darren Linnine

Well Name DON FOX SHARA #4
DST Number #1
Recorder Number 10991

A:	<u>0.927</u>	<u>988.25</u>
B:	<u>0.045</u>	<u>47.08</u>
C:	<u>0.039</u>	<u>41.20</u>
D:	<u>0.439</u>	<u>467.03</u>
E:	<u>0.067</u>	<u>71.28</u>
F:	<u>0.070</u>	<u>74.47</u>
G:	<u>0.417</u>	<u>443.62</u>
Q:	<u>0.947</u>	<u>1009.58</u>

CHART PAGE

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

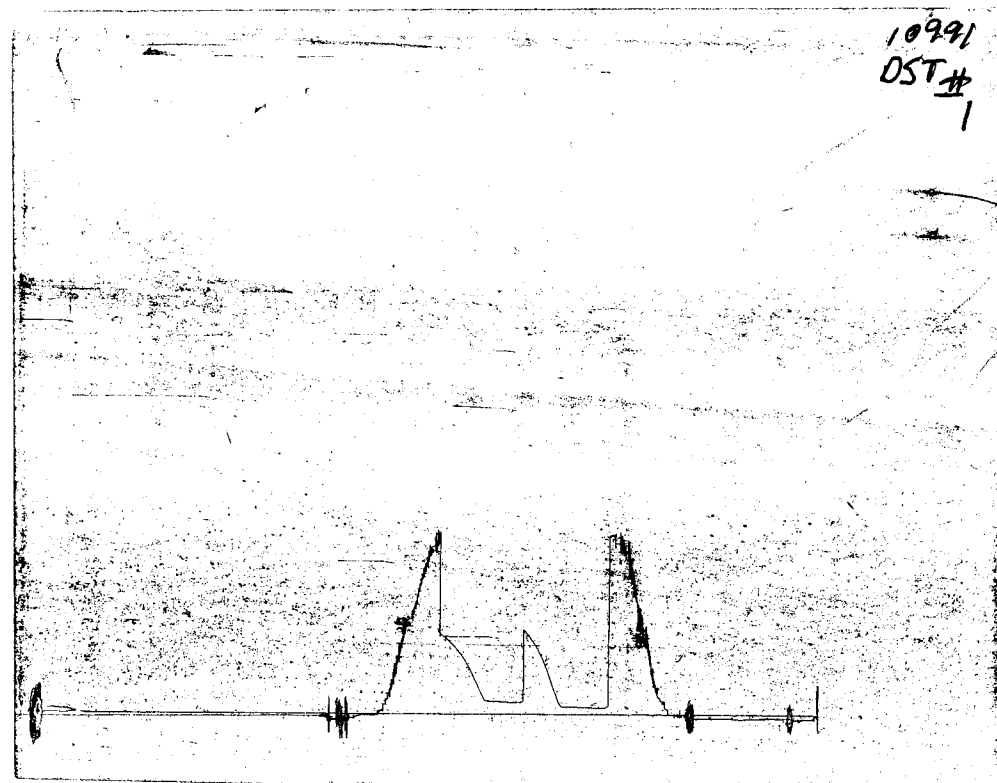
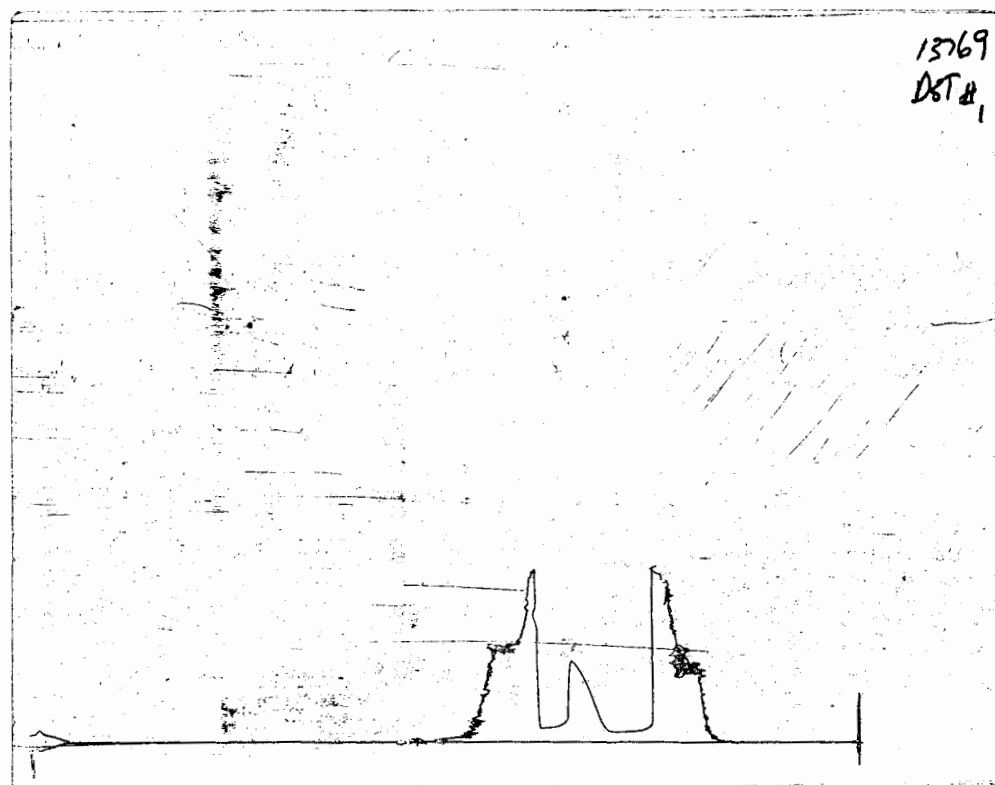
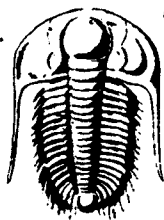


CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16334

Test Ticket

Well Name & No. <u>Sharpe #4</u>	Test No. <u>#2</u>	Date <u>10/12/02</u>
Company <u>Don Fox</u>	Zone Tested <u>Tarkio</u>	
Address <u>South Main Chase KS 67524</u>	Elevation <u>1724</u>	KB <u>1714</u> GL
Co. Rep / Geo. <u>Wayne Lebsack</u>	Cont. <u>Sterling #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>5</u> Twp. <u>20S</u> Rge. <u>9W</u>	Co. <u>Rice</u>	State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>2156 - 2240'</u>	Initial Str Wt./Lbs. <u>52,000</u>	Unseated Str Wt./Lbs. <u>38,000</u>
Anchor Length <u>84'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u>2151</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>2156</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>2240</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>242.97</u>
Mud Wt. <u>9.1</u> LCM <u>0</u> Vis. <u>45</u> WL <u>N/A</u>	Drill Pipe Size <u>4 1/2 x H</u>	Ft. Run <u>1953.03</u>

Blow Description IF: Fair blow built b.o.b in 2 1/2 mins.
IST: Bled down for 5 mins. Weak surface blow back.
FF: Weak blow built to b.o.b in 15 mins.
FSI: Bled down for 10 mins No blow back

Recovery — Total Feet <u>650'</u>	GIP <u> </u>	Ft. in DC <u>243</u>	Ft. in DP <u>407</u>
Rec. <u>120</u> Feet Of <u>HMCW</u>	%gas <u> </u> %oil <u> </u>	<u>50%</u> water <u>50%</u> mud	
Rec. <u>530</u> Feet Of <u>SMCW</u>	%gas <u> </u> %oil <u> </u>	<u>90%</u> water <u>10%</u> mud	
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 <u>92°</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u>.3</u> @ <u>71</u> °F	Chlorides <u>85000</u> ppm Recovery	Chlorides <u>5000</u> ppm System	

(A) Initial Hydrostatic Mud <u>1119</u>	AK-1	Alpine	PSI Recorder No. <u>10991</u> <u>✓</u>	T-On Location <u>1500</u>
(B) First Initial Flow Pressure <u>32</u>			PSI (depth) <u>2158'</u>	T-Started <u>1900</u>
(C) First Final Flow Pressure <u>181</u>			PSI Recorder No. <u>13269</u>	T-Open <u>2106</u>
(D) Initial Shut-In Pressure <u>724</u>			PSI (depth) <u>2171'</u>	T-Pulled <u>2336</u>
(E) Second Initial Flow Pressure <u>223</u>			PSI Recorder No. <u> </u>	T-Out <u>0130</u>
(F) Second Final Flow Pressure <u>309</u>			PSI (depth) <u> </u>	T-Off Location <u>0230</u>
(G) Final Shut-in Pressure <u>703</u>			PSI Initial Opening <u>30</u>	Test <u>✓</u> <u>700</u>
(Q) Final Hydrostatic Mud <u>1109</u>			PSI Initial Shut-in <u>30</u>	Jars <u>✓</u> <u>200</u>
			Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>
			Final Shut-in <u>30</u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <u> </u>
				Other <u> </u>
				TOTAL PRICE \$ <u>\$950</u>

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Approved By W.L.

Our Representative Darren L Amerino

Well Name Don Fox
DST Number # 2
Recorder Number 10991

A: 1.024 1091.49

B: 0.078 82.98

C: 0.157 167.03

D: 0.662 705.13

E: 0.206 219.15

F: 0.289 307.45

G: 0.452 694.44

Q: 1.002 1068.09

CHART PAGE

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

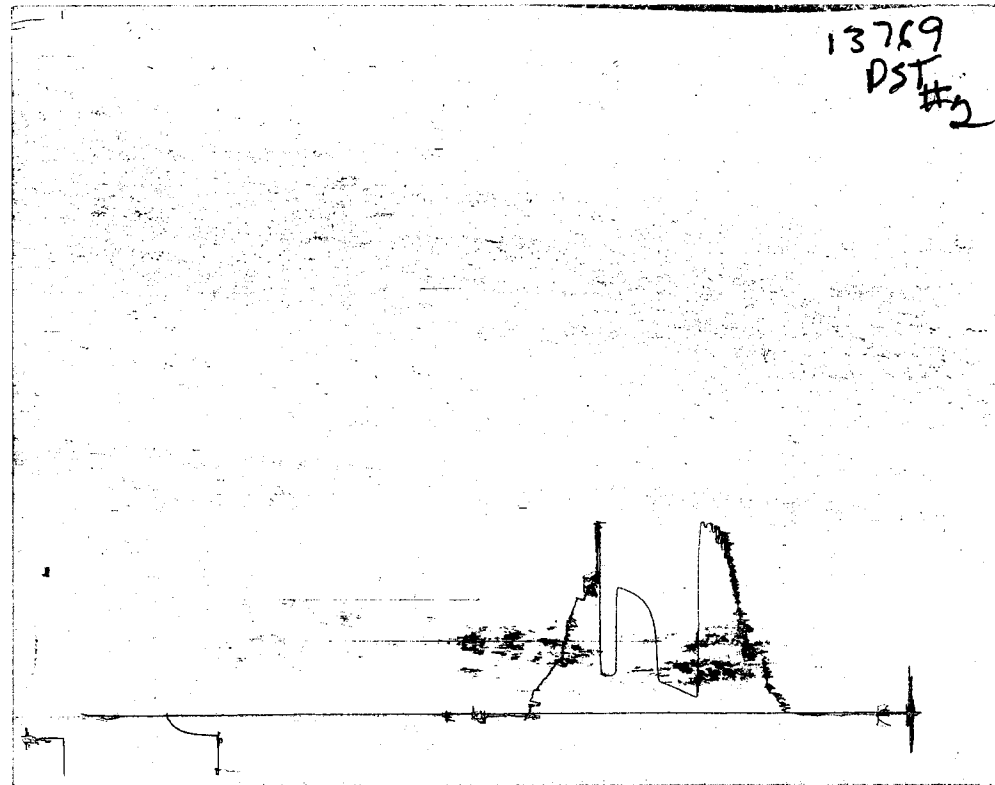
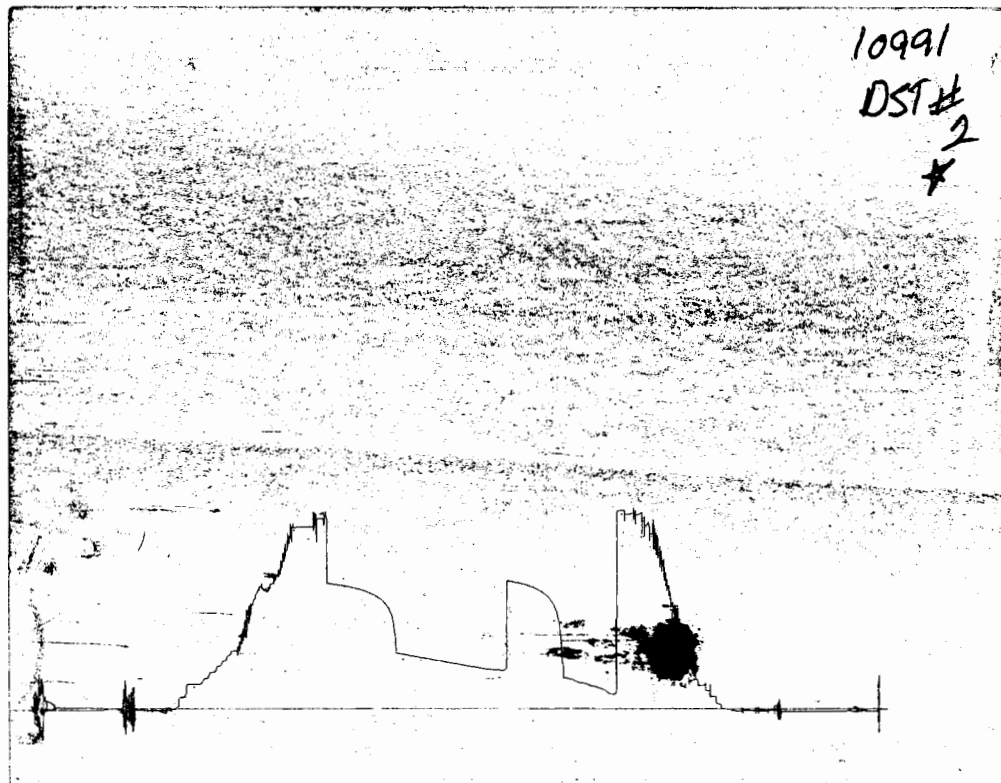
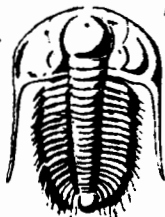


CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16662

Test Ticket

Well Name & No. <u>SHARPE #4</u>	Test No. <u>#3</u>	Date <u>10-15-02</u>
Company <u>DCN FOX</u>	Zone Tested <u>ARBUCKLE</u>	
Address <u>SOUTHMAIN CHASE, KS, 67524</u>	Elevation <u>1722</u>	KB <u>1714</u> GL
Co. Rep / Geo. <u>WAYNE LEBACK</u>	Cont. <u>STERLING #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>5</u>	Twp. <u>20 S</u>	Rge. <u>9 W</u> Co. <u>RICE</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3170 To 3250</u>	Initial Str Wt./Lbs. <u>60,000</u>	Unseated Str Wt./Lbs. <u>69,000</u>
Anchor Length <u>80'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>20,000</u>
Top Packer Depth <u>3165</u>	Tool Weight <u>3,500</u>	
Bottom Packer Depth <u>3170</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>3278</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>243</u>
Mud Wt. <u>9.2</u> LCM <u>—</u> Vis. <u>45</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u> </u>
Blow Description <u>I.F. - STRONG B.O.B. 1-MIN.</u>	<u>F.S.I. - NO BLOW</u>	
<u>F.F. - STRONG B.O.B. 2-MIN.</u>	<u>F.S.I. - NO BLOW</u>	

Recovery — Total Feet <u>1404'</u>	GIP <u>—</u>	Ft. in DC <u>243</u>	Ft. in DP <u>1161</u>
Rec. <u>180'</u>	Feet Of <u>S.O.G. - CUT MUD</u>	20 %gas 10 %oil	— %water 70 %mud
Rec. <u>700'</u>	Feet Of <u>M.W.G. - CUT OIL</u>	20 %gas 45 %oil	20 %water 15 %mud
Rec. <u>~~400~~ 400</u>	Feet Of <u>M.W.G. - CUT OIL</u>	20 %gas 50 %oil	25 %water 5 %mud
Rec. <u>124</u>	Feet Of <u>M.G.O. - CUT WATER</u>	10 %gas 20 %oil	65 %water 5 %mud
Rec. <u> </u>	Feet Of <u> </u>	%gas %oil	%water %mud
BHT <u>108</u>	°F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u> °API <u> </u>
RW <u>.16</u>	@ <u>60</u>	°F Chlorides <u>55,000</u> ppm Recovery	Chlorides <u>3,800</u> ppm System

(A) Initial Hydrostatic Mud <u>1573</u>	AK-1	Alpine	PSI Recorder No. <u>11084</u>	T-On Location <u>12:15</u>
(B) First Initial Flow Pressure <u>219</u>			PSI (depth) <u>3178</u>	T-Started <u>13:00</u>
(C) First Final Flow Pressure <u>515</u>			PSI Recorder No. <u>13308</u>	T-Open <u>14:15</u>
(D) Initial Shut-In Pressure <u>1067</u>			PSI (depth) <u>3245</u>	T-Pulled <u>16:00</u>
(E) Second Initial Flow Pressure <u>526</u>			PSI Recorder No. <u>24174</u>	T-Out <u>19:30</u>
(F) Second Final Flow Pressure <u>602</u>			PSI (depth) <u>3275</u>	T-Off Location <u>20:45</u>
(G) Final Shut-in Pressure <u>1067</u>			PSI Initial Opening <u>30</u>	Test <u>STRADDLE 700</u>
(Q) Final Hydrostatic Mud <u>1519</u>			PSI Initial Shut-in <u>30</u>	Jars <u> </u> <u>200</u>
			Final Flow <u>15</u>	Safety Joint <u> </u> <u>50</u>
			Final Shut-in <u>30</u>	Straddle <u> </u> <u>250</u>

TRILOBITE TESTING INC. 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 Wayne Leback

Our Representative John F. Schmidt

Circ. Sub
Sampler
Extra Packer 150
Elec. Rec.
Mileage 85 68
Other
TOTAL PRICE \$ 1418

Well Name Don Fox Sharp #4
DST Number #3
Recorder Number 11084

A: 1.453 1576.52

B: 0.200 219.29

C: 0.464 508.65

D: 0.986 1073.27

E: 0.493 540.05

F: 0.559 611.47

G: 0.987 1074.36

Q: 1.434 1556.03

CHART PAGE

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

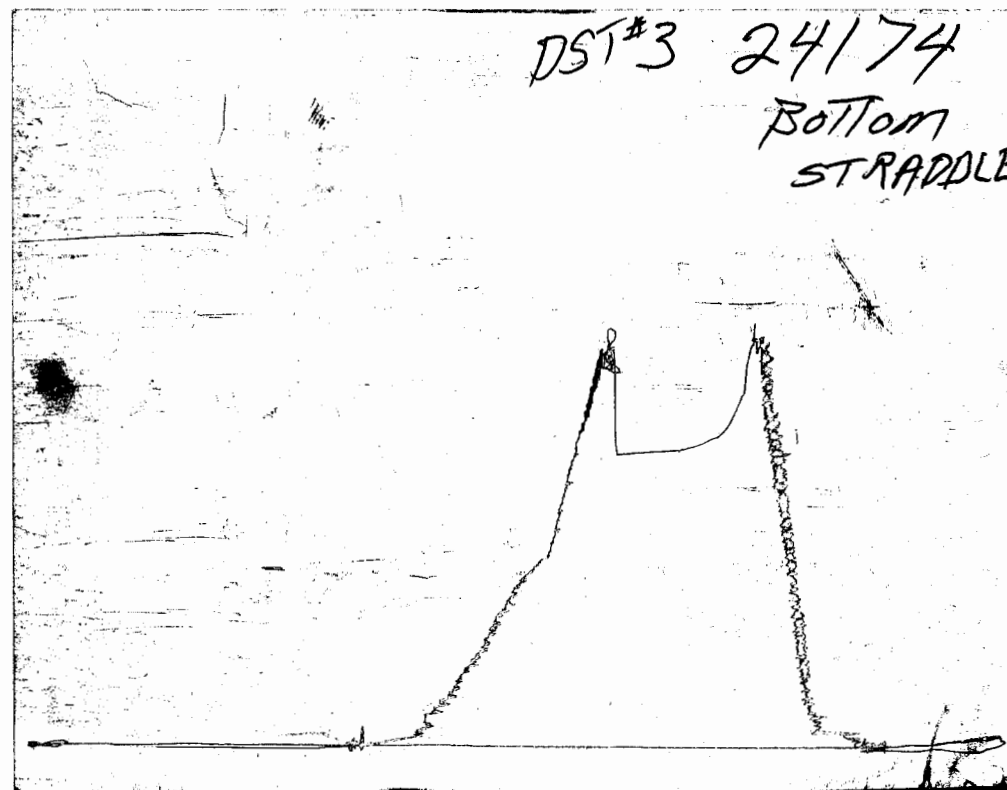


CHART PAGE

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

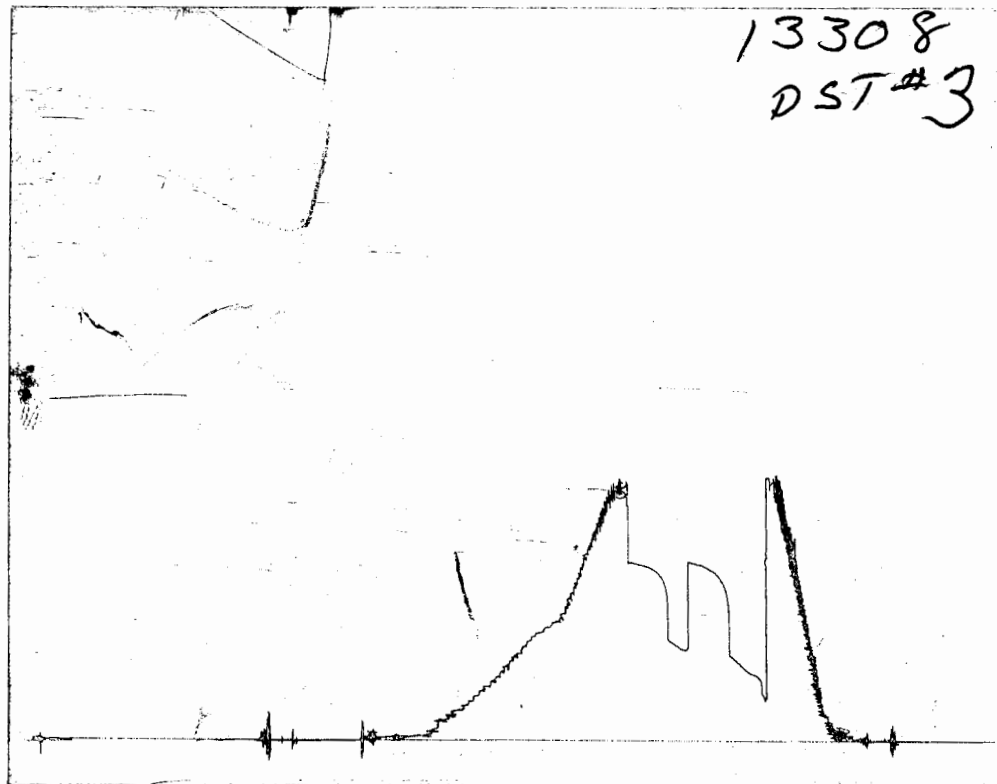


CHART PAGE

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

