

TRILOBITE TESTING L.L.C.

. OPERATOR : Shields Oil Producers
 WELL NAME: Fouts #2
 LOCATION : 8-10-12 Osborne co KS
 INTERVAL : 3070.00 To 3110.00 ft

DATE 7-16-00

KB 1859.00 ft
 GR 1854.00 ft
 TD 3110.00 ft

TICKET NO: 13199
 FORMATION: "A" LKC
 TEST TYPE: CONVENTIONAL

DST #1

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13254	13254				PF Fr. 1111 to 1141 hr
SI 60 Range(Psi)	4550.0	4550.0	0.0	0.0	0.0	IS Fr. 1141 to 1241 hr
SF 60 Clock(hrs)	12	12				SF Fr. 1241 to 1341 hr
FS 60 Depth(ft)	3075.0	3075.0	0.0	0.0	0.0	FS Fr. 1341 to 1441 hr

	Field	1	2	3	4	
A. Init Hydro	1507.0	1487.0	0.0	0.0	0.0	T STARTED 0920 hr
B. First Flow	71.0	80.0	0.0	0.0	0.0	T ON BOTM 1111 hr
B1. Final Flow	71.0	74.0	0.0	0.0	0.0	T OPEN 1436 hr
C. In Shut-in	580.0	579.0	0.0	0.0	0.0	T PULLED 1441 hr
D. Init Flow	94.0	109.0	0.0	0.0	0.0	T OUT 1615 hr
E. Final Flow	94.0	103.0	0.0	0.0	0.0	
F. Fl Shut-in	509.0	509.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1483.0	1490.0	0.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 55000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 51000.00 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 0.00 ft
						D.P. Length 2627.00 ft
						H.W. I.D 2.70 in
						H.W. Length 441.00 ft

RECOVERY

Tot Fluid 80.00 ft of 0.00 ft in DC and 80.00 ft in DP
 220.00 ft of Gas in pipe.
 80.00 ft of Oil cut mud
 0.00 ft of 15% oil 85% 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 building to 1/4"
 Final Flow:
 Weak building to 4".

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	40.00 S/L
W.L.	8.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	98.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

SAMPLES:

SENT TO:

Cushion Type
 Reversed Out
 Tool Chased
 Tester Dan Bangle
 Co. Rep. Francis Whisler
 Contr. Shields
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

[illegible]

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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13199

Test Ticket

Well Name & No.	<u>Fouts #2</u>	Test No.	<u>1</u>	Date	<u>7-16-00</u>
Company	<u>Shields Oil Producers, Inc</u>	Zone Tested	<u>"A"</u>	<u>LKC</u>	
Address	<u>P.O. Box 709 Russell, KS. 67665</u>	Elevation	<u>1859</u>	KB <u>1854</u>	GL
Co. Rep / Geo.	<u>Francis Whisler</u>	Cont.	<u>Shields</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>8</u>	Twp.	<u>10</u>	Rge.	<u>12</u>
		Co.	<u>Osborne</u>	State	<u>KS</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	<u>3070 - 3110</u>	Initial Str Wt./Lbs.	<u>50,000</u>	Unseated Str Wt./Lbs.	<u>5,000</u>
Anchor Length	<u>40</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>55,000</u>
Top Packer Depth	<u>3065</u>	Tool Weight	<u>1000</u>		
Bottom Packer Depth	<u>3070</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>3110</u>	Wt. Pipe Run	<u>441</u>	Drill Collar Run	
Mud Wt.	<u>9.1</u>	LCM		Drill Pipe Size	<u>4.5 FH</u>
Vis.	<u>40</u>	WL	<u>8.2</u>	Ft. Run	<u>2627</u>
Blow Description	<u>I.F. Weak building to 4"</u>				

E.F. Weak-building to 4"

Recovery — Total Feet	<u>80</u>	GIP	<u>220</u>	Ft. in DC		Ft. in DP	<u>80</u>
Rec.	<u>80</u>	Feet Of	<u>OCM</u>	%gas	<u>15</u>	%oil	
				%water	<u>85</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>98</u>	°F Gravity		°API D@		°F Corrected Gravity	
				°API			
RW		@		°F Chlorides		ppm Recovery	
				Chlorides	<u>4,000</u>	ppm System	

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1507</u>	PSI	Recorder No.	<u>13254</u>	T-On Location	<u>08:30</u>
(B) First Initial Flow Pressure	<u>21</u>	PSI	(depth)	<u>3075</u>	T-Started	<u>09:20</u>
(C) First Final Flow Pressure	<u>21</u>	PSI	Recorder No.	<u>13248</u>	T-Open	<u>11:11</u>
(D) Initial Shut-In Pressure	<u>580</u>	PSI	(depth)	<u>3107</u>	T-Pulled	<u>14:41</u>
(E) Second Initial Flow Pressure	<u>94</u>	PSI	Recorder No.		T-Out	<u>16:15</u>
(F) Second Final Flow Pressure	<u>94</u>	PSI	(depth)		T-Off Location	
(G) Final Shut-in Pressure	<u>509</u>	PSI	Initial Opening	<u>30</u>	Test	<u>600</u>
(Q) Final Hydrostatic Mud	<u>1483</u>	PSI	Initial Shut-in	<u>60</u>	Jars	
			Final Flow	<u>60</u>	Safety Joint	
			Final Shut-in	<u>60</u>	Straddle	

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Approved By F Whisler

Our Representative Dan Rangle

Mileage _____
Other _____
TOTAL PRICE \$ 600

TRILOBITE TESTING L.L.C.

OPERATOR : Shields Oil Producers
 WELL NAME: Fouts #2
 LOCATION : 8-10-12 Osborne co KS
 INTERVAL : 3115.00 To 3134.00 ft
 DATE 7-17-00
 KB 1859.00 ft
 GR 1854.00 ft
 TD 3134.00 ft
 TICKET NO: 13200
 FORMATION: "B" LKC
 TEST TYPE: COVENTIONAL
 DST #2

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.						PF Fr. to hr
SI 0 Range(Psi)	0.0	0.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)						SF Fr. to hr
FS 0 Depth(ft)	0.0	0.0	0.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 2315 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 0050 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0140 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	

Inside/Outside

RECOVERY

Tot Fluid	0.00 ft of	0.00 ft in DC and	0.00 ft in DP	Tool Wt.	800.00 lbs
0.00	ft of			Wt Set On Packer	0.00 lbs
0.00	ft of			Wt Pulled Loose	0.00 lbs
0.00	ft of			Initial Str Wt	0.00 lbs
0.00	ft of			Unseated Str Wt	0.00 lbs
0.00	ft of			Bot Choke	0.75 in
0.00	ft of			Hole Size	7.78 in
0.00	ft of			D Col. ID	0.00 in
0.00	ft of			D. Pipe ID	3.80 in
0.00	ft of			D.C. Length	0.00 ft
0.00	ft of			D.P. Length	2668.00 ft
0.00	ft of			H.W. I.D	2.70 in
0.00	ft of			H.W. Length	441.00 ft
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Ran 8 stands- lost circulation.

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	40.00 S/L
W.L.	8.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

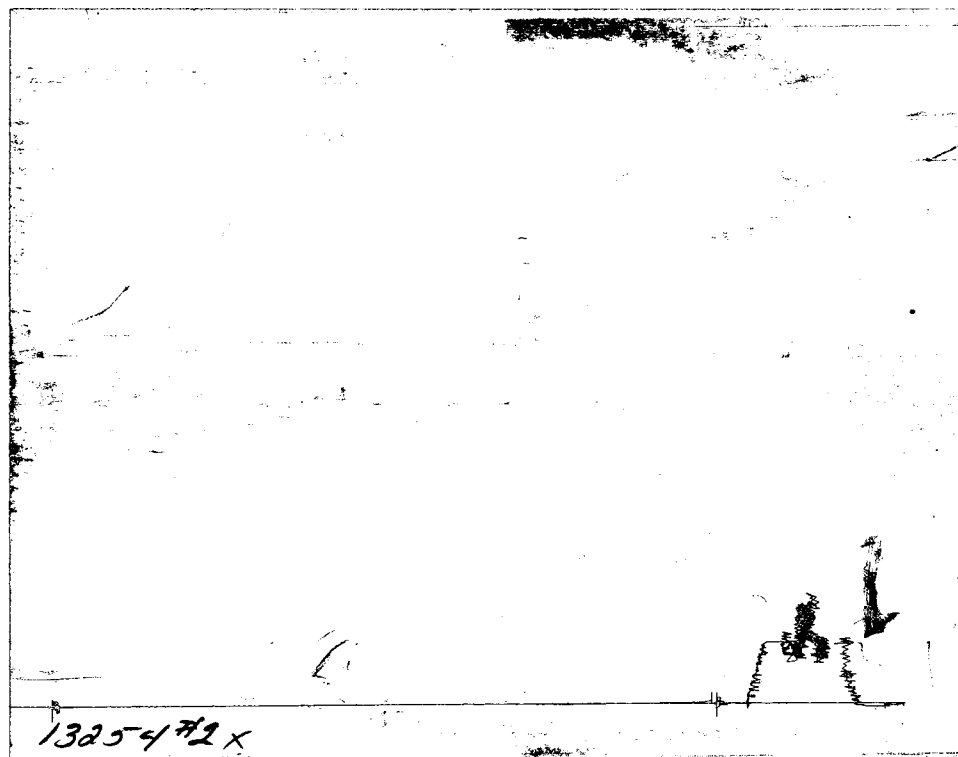
SAMPLES:

SENT TO:

Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: N

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

No 13200

Test Ticket

Well Name & No. <u>Fouts #2</u>	Test No. <u>2</u>	Date <u>7-17-00</u>
Company <u>Shields Oil Producers, Inc</u>	Zone Tested <u>'B'</u>	<u>LKC</u>
Address _____		Elevation <u>1859</u> KB <u>1854</u> GL
Co. Rep / Geo. <u>Francis Whisler</u>	Cont. <u>Shields</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>8</u>	Twp. <u>10</u>	Rge. <u>12</u> Co. <u>Osborne</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3115 — 3134</u>	Initial Str Wt./Lbs. 800	Unseated Str Wt./Lbs. _____
Anchor Length <u>19</u>	Wt. Set Lbs. 800	Wt. Pulled Loose/Lbs. _____
Top Packer Depth <u>3110</u>	Tool Weight <u>800</u>	
Bottom Packer Depth <u>3115</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>3134</u>	Wt. Pipe Run <u>441</u>	Drill Collar Run _____
Mud Wt. <u>9.1</u> LCM _____ Vis. <u>40</u> WL <u>8.2</u>	Drill Pipe Size <u>4.5 FH</u>	Ft. Run <u>2668</u>
Blow Description <u>Ran 8 stds DP in hole - lost Circ.</u>		

Recovery — Total Feet _____	GIP _____	Ft. in DC _____	Ft. in DP _____
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 _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
BHT _____ °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery	Chlorides <u>4200</u>	ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud <u>367</u>	PSI	Recorder No. <u>13254</u>	T-On Location <u>12:50</u>	
(B) First Initial Flow Pressure _____	PSI	(depth) <u>3120</u>	T-Started <u>12:15</u>	
(C) First Final Flow Pressure _____	PSI	Recorder No. <u>13248</u>	T-Open _____	
(D) Initial Shut-In Pressure _____	PSI	(depth) <u>3131</u>	T-Pulled <u>00:50</u>	
(E) Second Initial Flow Pressure _____	PSI	Recorder No. _____	T-Out <u>01:40</u>	
(F) Second Final Flow Pressure _____	PSI	(depth) _____	T-Off Location _____	
(G) Final Shut-in Pressure _____	PSI	Initial Opening _____	Test <u>400</u>	
(Q) Final Hydrostatic Mud <u>355</u>	PSI	Initial Shut-in _____	Jars _____	

Final Flow _____	Safety Joint _____
Final Shut-in _____	Straddle _____
_____	Circ. Sub _____
_____	Sampler _____

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Approved By _____

Our Representative Dan Rangle

Mileage _____

Other _____

TOTAL PRICE \$ 400

TRILOBITE TESTING L.L.C.

OPERATOR : Shields Oil Producers

DATE 7-17-00

WELL NAME: Fouts #2

KB 1859.00 ft

TICKET NO: 13276

DST #3

LOCATION : 8-10-12 Osborne co KS

GR 1854.00 ft

FORMATION: "B" LKC

INTERVAL : 3115.00 To 3134.00 ft

TD 3134.00 ft

TEST TYPE: 7-17-00

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13254	13254				PF Fr. 0710 to 0740 hr
SI 60 Range(Psi)	4550.0	4550.0	0.0	0.0	0.0	IS Fr. 0740 to 0840 hr
SF 30 Clock(hrs)	12	12				SF Fr. 0840 to 0910 hr
FS 0 Depth(ft)	3120.0	3120.0	0.0	0.0	0.0	FS Fr. to 0910 hr

	Field	1	2	3	4	
A. Init Hydro	1518.0	1522.0	0.0	0.0	0.0	T STARTED 0600 hr
B. First Flow	23.0	28.0	0.0	0.0	0.0	T ON BOTM 0705 hr
B1. Final Flow	23.0	17.0	0.0	0.0	0.0	T OPEN 0710 hr
C. In Shut-in	910.0	9090.0	0.0	0.0	0.0	T PULLED 0910 hr
D. Init Flow	35.0	72.0	0.0	0.0	0.0	T OUT 1030 hr
E. Final Flow	35.0	32.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1507.0	1517.0	0.0	0.0	0.0	Tool Wt. 800.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 50000.00 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 2668.00 ft
						H.W. I.D 2.70 in
						H.W. Length 441.00 ft

RECOVERY

Tot Fluid	5.00 ft of	0.00 ft in DC and	5.00 ft in DP
5.00	ft of Slightly oil cut 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 steady surface blow.

Final Flow:
No blow.

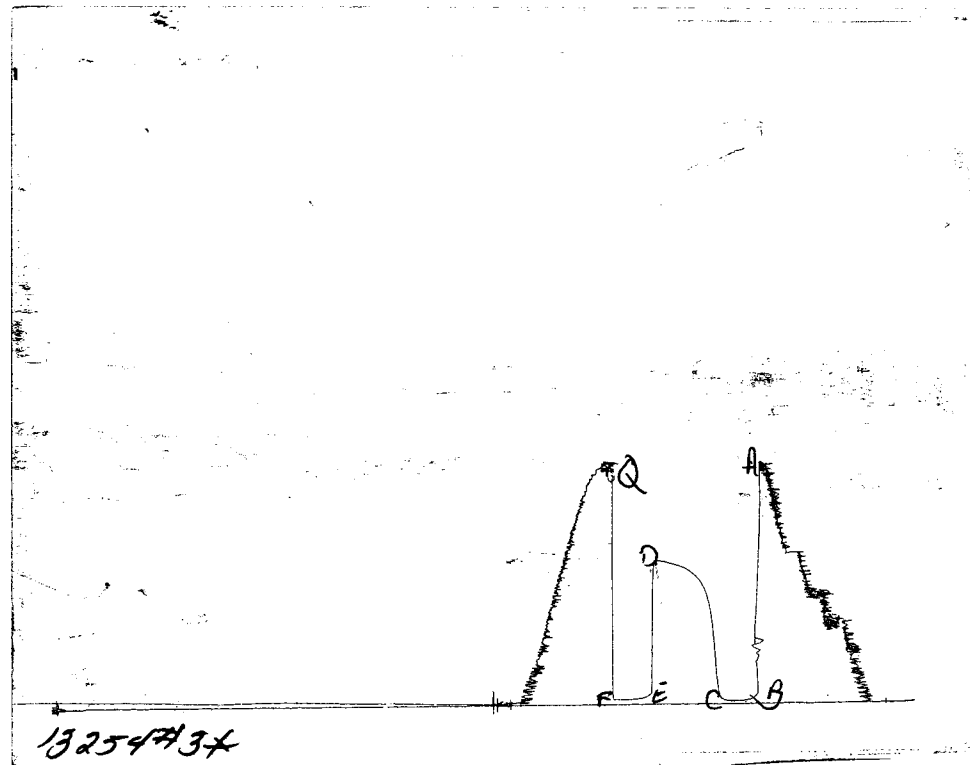
SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	45.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	98.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

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

Nº 13276

Test Ticket

Well Name & No.	<u>FOUTS #2</u>	Test No.	<u>3</u>	Date	<u>2-17-00</u>
Company	<u>Shields Oil Producers, Inc.</u>	Zone Tested	<u>"B"</u>	<u>LKC</u>	
Address				Elevation	<u>1859</u> KB <u>1854</u> GL
Co. Rep / Geo.	<u>Francis Whisler</u>	Cont.	<u>Shields</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>8</u>	Twp.	<u>10</u>	Rge.	<u>12</u> Co. <u>Osborne</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>3115 — 3134</u>	Initial Str Wt./Lbs.	<u>50,000</u>	Unseated Str Wt./Lbs.	<u>50,000</u>
Anchor Length	<u>19</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>20,000</u>
Top Packer Depth	<u>3110</u>	Tool Weight	<u>800</u>		
Bottom Packer Depth	<u>3115</u>	Hole Size — 7 7/8"	<u> </u>	Rubber Size — 6 3/4"	<u> </u>
Total Depth	<u>3134</u>	Wt. Pipe Run	<u>441</u>	Drill Collar Run	<u> </u>
Mud Wt.	<u>9.1</u> LCM <u>3#</u> Vis. <u>45</u> WL <u>11.2</u>	Drill Pipe Size	<u>4.5 FH</u>	Ft. Run	<u>2668</u>
Blow Description	<u>I.F. weak steady surface blow.</u>				

F.F. No blow

Recovery — Total Feet	<u>5</u>	GIP	<u> </u>	Ft. in DC	<u> </u>	Ft. in DP	<u>5</u>
Rec.	<u>5</u>	Feet Of	<u>5 1/4 OCM</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	<u>98</u>	°F Gravity	<u> </u>	°API D@	<u> </u>	°F Corrected Gravity	<u> </u> °API
RW	<u> </u>	@	<u> </u>	°F Chlorides	<u> </u> ppm Recovery	Chlorides <u>2500</u>	ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1518</u>	PSI	Recorder No.	<u>13254</u>	T-On Location <u> </u>
(B) First Initial Flow Pressure	<u>23</u>	PSI	(depth)	<u>3120</u>	T-Started <u>06:00</u>
(C) First Final Flow Pressure	<u>23</u>	PSI	Recorder No.	<u>13248</u>	T-Open <u>07:10</u>
(D) Initial Shut-In Pressure	<u>910</u>	PSI	(depth)	<u>3131</u>	T-Pulled <u>09:10</u>
(E) Second Initial Flow Pressure	<u>35</u>	PSI	Recorder No.	<u> </u>	T-Out <u>10:20</u>
(F) Second Final Flow Pressure	<u>35</u>	PSI	(depth)	<u> </u>	T-Off Location <u>10:45</u>
(G) Final Shut-in Pressure	<u> </u>	PSI	Initial Opening	<u>30</u>	Test <u>600</u>
(Q) Final Hydrostatic Mud	<u>1507</u>	PSI	Initial Shut-in	<u>60</u>	Jars <u> </u>
			Final Flow	<u>30</u>	Safety Joint <u> </u>
			Final Shut-in	<u> </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>600</u>

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Approved By F Whisler
Our Representative Dan Rangle

TRILOBITE TESTING L.L.C.

OPERATOR : Shields Oil Producers

DATE 7-17-00

WELL NAME: Fouts #2

KB 1859.00 ft

TICKET NO: 13277

DST #4

LOCATION : 8-10-12 Osborne co KS

GR 1854.00 ft

FORMATION: "C" LKC

INTERVAL : 3136.00 To 3155.00 ft

TD 3155.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13248	13248				PF Fr. 1801 to 1831 hr
SI 60 Range(Psi)	4250.0	4250.0	0.0	0.0	0.0	IS Fr. 1831 to 1931 hr
SF 60 Clock(hrs)	12	12				SF Fr. 1931 to 2031 hr
FS 60 Depth(ft)	3152.0	3152.0	0.0	0.0	0.0	FS Fr. 2031 to 2131 hr

	Field	1	2	3	4	
A. Init Hydro	1500.0	1552.0	0.0	0.0	0.0	T STARTED 1700 hr
B. First Flow	21.0	30.0	0.0	0.0	0.0	T ON BOTM 1758 hr
B1. Final Flow	74.0	91.0	0.0	0.0	0.0	T OPEN 1801 hr
C. In Shut-in	846.0	861.0	0.0	0.0	0.0	T PULLED 2131 hr
D. Init Flow	106.0	118.0	0.0	0.0	0.0	T OUT 2310 hr
E. Final Flow	191.0	219.0	0.0	0.0	0.0	
F. Fl Shut-in	815.0	831.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1478.0	1532.0	0.0	0.0	0.0	Tool Wt. 800.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 51000.00 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 0.00 ft
						H.W. I.D 2.70 in
						H.W. Length 441.00 ft

RECOVERY

Tot Fluid 375.00 ft of	0.00 ft in DC and	0.00 ft in DP
375.00 ft of Muddy water		
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 65000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak building to 4 1/2".

Final Flow:
Weak building to 2".

SAMPLES:

SENT TO:

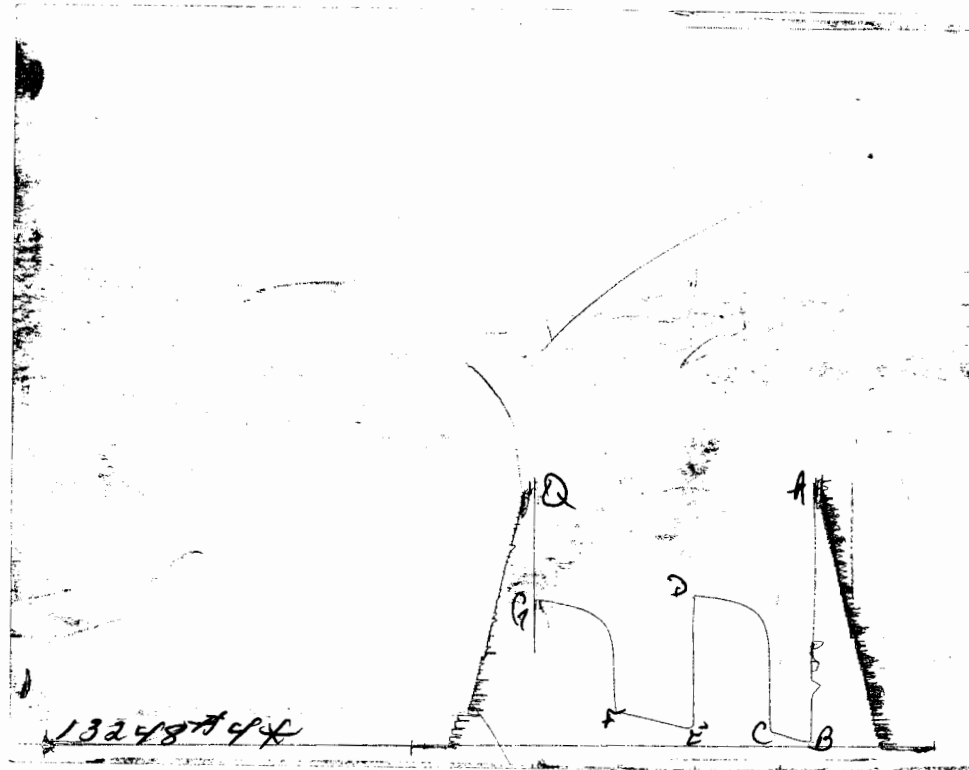
MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	45.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	103.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Francis Whistler
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

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

Nº 13277

Test Ticket

Well Name & No.	<u>Fours #2</u>	Test No.	<u>4</u>	Date	<u>7-17-00</u>
Company	<u>Shields Oil Producers, Inc</u>	Zone Tested	<u>"C"</u>	<u>LKC</u>	
Address		Elevation	<u>1859</u>	KB	<u>1834</u> GL
Co. Rep / Geo.	<u>Francis Whistler</u>	Cont.	<u>Shields</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>8</u>	Twp.	<u>10</u>	Rge.	<u>12</u> Co. <u>Osborne</u> State <u>KS</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	<u>3136 — 3155</u>	Initial Str Wt./Lbs.	<u>50000</u>	Unseated Str Wt./Lbs.	<u>54000</u>
Anchor Length	<u>19</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>80000</u>
Top Packer Depth	<u>3131</u>	Tool Weight	<u>800</u>		
Bottom Packer Depth	<u>3136</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>3155</u>	Wt. Pipe Run	<u>441</u>	Drill Collar Run	
Mud Wt.	<u>9.1</u> LCM <u>3#</u> Vis. <u>45</u> WL <u>11.2</u>	Drill Pipe Size	<u>4.5 FH</u>	Ft. Run	
Blow Description	<u>F.F. Weak-building to 4 1/2"</u>				

F.F. Weak-building to 2"

Recovery — Total Feet	<u>375</u>	GIP		Ft. in DC		Ft. in DP	
Rec.	<u>375</u>	Feet Of	<u>mdy wtr.</u>	%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
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>103</u>	°F Gravity		°API D@		°F Corrected Gravity	
RW	<u>1.045 @</u>	°F	<u>80</u>	Chlorides	<u>65000</u> ppm	Recovery	Chlorides <u>3500</u> ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1500</u>		PSI Recorder No.	<u>13254</u>
(B) First Initial Flow Pressure	<u>21</u>		PSI (depth)	<u>3142</u>
(C) First Final Flow Pressure	<u>74</u>		PSI Recorder No.	<u>13248</u>
(D) Initial Shut-In Pressure	<u>846</u>		PSI (depth)	<u>3152</u>
(E) Second Initial Flow Pressure	<u>106</u>		PSI Recorder No.	
(F) Second Final Flow Pressure	<u>191</u>		PSI (depth)	
(G) Final Shut-in Pressure	<u>815</u>		PSI Initial Opening	<u>30</u>
(Q) Final Hydrostatic Mud	<u>1478</u>		PSI Initial Shut-in	<u>60</u>
			Final Flow	<u>60</u>
			Final Shut-in	<u>60</u>

T-On Location	<u>16:00</u>
T-Started	<u>17:00</u>
T-Open	<u>18:01</u>
T-Pulled	<u>21:31</u>
T-Out	<u>23:10</u>
T-Off Location	
Test	<u>600</u>
Jars	
Safety Joint	
Straddle	
Circ. Sub	
Sampler	
Extra Packer	
Elec. Rec.	
Mileage	
Other	
TOTAL PRICE \$	<u>600</u>

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Approved By F Whistler

Our Representative Dan Rangle