

15-171-20542

WELL NAME:	Schowalter #3
COMPANY:	Abercrombie Energy LLC
LOCATION:	12-18s-32w Scott county
DATE:	2/11/00

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Energy LLC
WELL NAME: Schowalter #3
LOCATION : 12-18-32 Scott co KS
INTERVAL : 4145.00 To 4195.00 ft

DATE 2-5-00
KB 2968.00 ft TICKET NO: 11179 DST #1
GR 2963.00 ft FORMATION: I-J KC
TD 4195.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2346			PF Fr. 0750 to 0820 hr
SI 45 Range(Psi)	4475.0	4475.0	4995.0	0.0	0.0	IS Fr. 0820 to 0905 hr
SF 60 Clock(hrs)	12	12	alpin			SF Fr. 0905 to 1005 hr
FS 45 Depth(ft)	4190.0	4190.0	4146.0	0.0	0.0	FS Fr. 1005 to 1050 hr

	Field	1	2	3	4	
A. Init Hydro	2065.0	2028.0	2041.0	0.0	0.0	T STARTED 0535 hr
B. First Flow	88.0	72.0	25.0	0.0	0.0	T ON BOTM 0747 hr
B1. Final Flow	111.0	84.0	149.0	0.0	0.0	T OPEN 0750 hr
C. In Shut-in	941.0	908.0	934.0	0.0	0.0	T PULLED 1050 hr
D. Init Flow	200.0	174.0	153.0	0.0	0.0	T OUT 1300 hr
E. Final Flow	233.0	211.0	243.0	0.0	0.0	
F. Fl Shut-in	862.0	830.0	871.0	0.0	0.0	
G. Final Hydro	2053.0	2012.0	1995.0	0.0	0.0	TOOL DATA-----
Inside/Outside	i	i	o			Tool Wt. 4000.00 lbs
						Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 78000.00 lbs
						Initial Str Wt 64000.00 lbs
						Unseated Str Wt 68000.00 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 235.00 ft
						D.P. Length 3946.00 ft

RECOVERY

Tot Fluid 600.00 ft of 235.00 ft in DC and 365.00 ft in DP
60.00 ft of Mud cut water
0.00 ft of 45% mud 55% water with oil spots
540.00 ft of Slightly mud cut water
0.00 ft of 15% mud 85% water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 29000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
1" blow @ open, built to 9".

Initial Shut-In:
No return.

Final Flow:
Surface blow in 2 minutes, built to 9".

Final Shut-In:
No return.

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.20 lb/cf
Vis. 47.00 S/L
W.L. 7.20 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. Steve Davis
Contr. Abercrombie
Rig # 4
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Schowalter #3

LOCATION : 12-18-32 Scott co KS

TICKET No. 11179 D.S.T. No. 1 DATE 2-5-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 19

TOTAL TOOL 39

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY 70

D.C. ABOVE TOOLS.Stands4 Single Total 235

D.P. ABOVE TOOLS.Stands63 Single Total 3915

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4220

TOTAL DEPTH 4195

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

P.O. SUB	
C.O. SUB 1'	4124
S.I. TOOL 5'	4130
HMV 5'	4135
JARS n/a	
SAFETY JOINT n/a	
PACKER top	4140
PACKER bottom	4145
DEPTH 4145	
1'	4146
ANCHOR alpine recorder	4146
11'perf	4157
1' c.o.	4158
31' drillpipe	4189
1' c.o.	4190
ak-1 recorder	4190
BULLNOSE 5'bullplug	4195
T.D.	4195

TEST HISTORY

11179 DST #1 Schowalter #3 Abercrombie Energy, LLC

Flag Points
t(Min.) P(PSIg)

A:	0.00	2041.06
B:	0.00	25.94
C:	30.00	149.55
D:	44.00	934.45
E:	0.00	153.09
F:	58.00	243.58
G:	45.00	871.65
Q:	0.00	1995.12

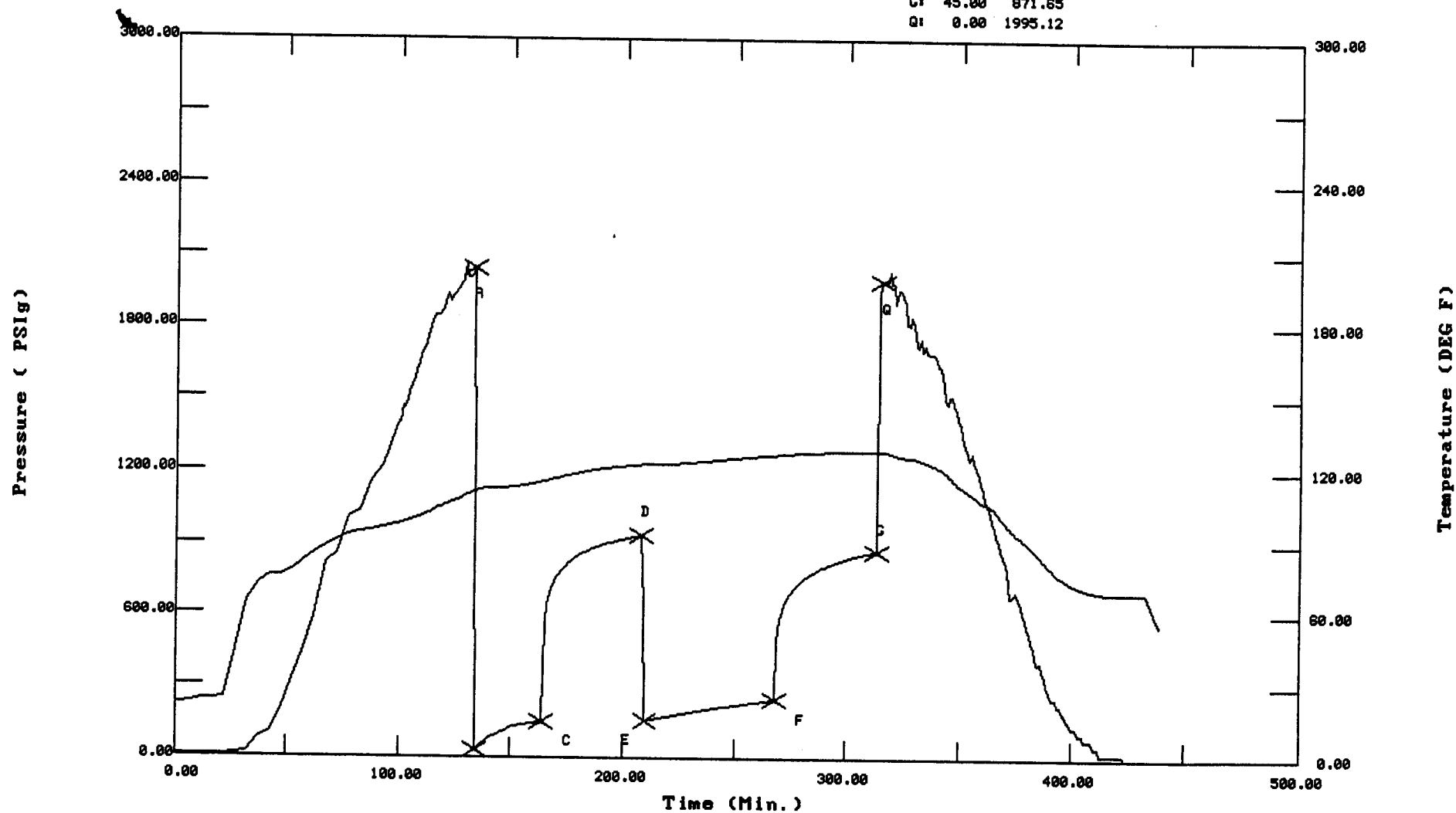
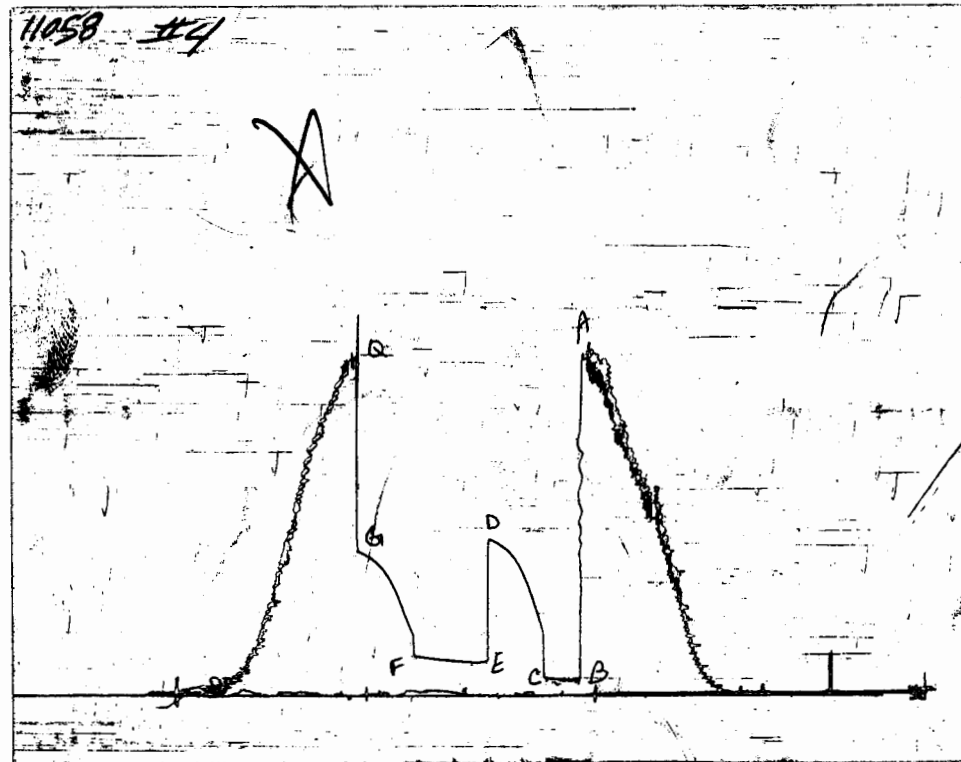


CHART PAGE



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 11179

Well Name & No. <u>Schwartz #3</u>	Test No. <u>1</u>	Date <u>2-5-00</u>
Company <u>Abercrombie Energy, LLC</u>	Zone Tested <u>KI F-5</u>	
Address <u>1501 main St. #801, Wichita, KS 67202</u>	Elevation <u>2968'</u> KB <u>2963'</u> GL	
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Abercrombie #4</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>12</u> Twp. <u>18</u> Rge. <u>32</u>	Co. <u>Scott</u> State <u>KS</u>	
No. of Copies <u>Num</u> Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested 4145 4195 Initial Str Wt./Lbs. 6400 Unseated Str Wt./Lbs. 68,000
 Anchor Length 50 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 78,000
 Top Packer Depth 4140 Tool Weight 4,000
 Bottom Packer Depth 4145 Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4"
 Total Depth 4195 Wt. Pipe Run _____ Drill Collar Run 235'
 Mud Wt. 9.2 LCM #4 Vis. 47 WL 7.2 Drill Pipe Size 4 1/2 X 14 Ft. Run 3946'
 Blow Description 1" @ open, built to 9' in.
No return

Surface blow in 2 min built to 9' in.
No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>60'</u>	Feet Of <u>mud cut water w/ jets</u>	%gas <u>55%</u>	%oil <u>45%</u>
Rec. <u>540'</u>	Feet Of <u>silty mud cut water</u>	%gas <u>85%</u>	%oil <u>15%</u>
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____

BHT 128° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW 26 @ 60 °F Chlorides 29,000 ppm Recovery Chlorides 1,500 ppm System

(A) Initial Hydrostatic Mud	2065	2041	PSI	Recorder No.	2346	T-Started	05:35 am
(B) First Initial Flow Pressure	88	25	PSI	(depth)	4146'	T-Open	07:50 am
(C) First Final Flow Pressure	111	149	PSI	Recorder No.	11058	T-Pulled	10:50 am
(D) Initial Shut-in Pressure	941	934	PSI	(depth)	4190'	T-Out	13:00 pm
(E) Second Initial Flow Pressure	200	153	PSI	Recorder No.		T-Started	08:00 am
(F) Second Final Flow Pressure	233	243	PSI	(depth)		T-Started	13:30 pm
(G) Final Shut-in Pressure	862	871	PSI	Initial Opening	30	Test	X 700
(H) Final Hydrostatic Mud	2053	1995	PSI	Initial Shut-in	45	Jars	

AK-1 AK-1

Final Flow 60 Safety Joint _____
 Final Shut-in 45 Straddle _____

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 SA Ds

Our Representative John T. B. B.

Circ. Sub X N/A
 Sampler _____
 Extra Packer _____
 Elect. Rec. X 150
 Other _____
 TOTAL PRICE \$ 850

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Energy LLC.

DATE 2-5-00

WELL NAME: Schowalter #3

KB 2968.00 ft

TICKET NO: 11180

DST #2

LOCATION : 12-18-32 Scott co KS

GR 2963.00 ft

FORMATION: KC "K"

INTERVAL : 4199.00 To 4229.00 ft

TD 4229.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2346			PF Fr. 2220 to 2250 hr
SI 45 Range(Psi)	4475.0	4475.0	4995.0	0.0	0.0	IS Fr. 2250 to 2335 hr
SF 60 Clock(hrs)	12	12	alpin			SF Fr. 2335 to 1235 hr
FS 45 Depth(ft)	4224.0	4224.0	4200.0	0.0	0.0	FS Fr. 1235 to 0120 hr

	Field	1	2	3	4	
A. Init Hydro	2132.0	2078.0	2025.0	0.0	0.0	T STARTED 2045 hr
B. First Flow	100.0	80.0	40.0	0.0	0.0	T ON BOTM 2217 hr
B1. Final Flow	100.0	83.0	65.0	0.0	0.0	T OPEN 2220 hr
C. In Shut-in	1008.0	988.0	998.0	0.0	0.0	T PULLED 0120 hr
D. Init Flow	144.0	122.0	95.0	0.0	0.0	T OUT 0350 hr
E. Final Flow	166.0	142.0	128.0	0.0	0.0	
F. Fl Shut-in	997.0	964.0	982.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2121.0	2037.0	2008.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 80000.00 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 235.00 ft
						D.P. Length 3974.00 ft

RECOVERY

Tot Fluid 230.00 ft of 230.00 ft in DC and 0.00 ft in DP
 230.00 ft of Mud cut water
 0.00 ft of 65% water 35% mud w/ oil spots
 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 23000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Too slid 7' to bottom 1 1/2" @ open.
 Died back to a 1/4".
 Initial Shut-In:
 No return.
 Final Flow:
 1/2" @ open built ot 2".
 Final Shut-In:
 No return.

MUD DATA-----
 Mud Type Chemical
 Weight 9.20 lb/cf
 Vis. 47.00 S/L
 W.L. 8.00 in3
 F.C. 0.00 in
 Mud Drop N

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 N
 Tool Chased N

Tester Shane McBride
 Co. Rep. Steve Davis
 Contr. Abercrombie
 Rig # 4
 Unit #
 Pump T.

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Schowalter #3

LOCATION : 12-18-32 Scott co KS

TICKET No. 11180 D.S.T. No. 2 DATE 2-5-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 30

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.Stands4 Single Total 235

D.P. ABOVE TOOLS.Stands64 Single Total 3974

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4259

TOTAL DEPTH 4229

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

P.O. SUB	
C.O. SUB 1'	4178
S.I. TOOL 5'	4184
HMV 5'	4189
JARS n/a	
SAFETY JOINT n/a	
PACKER top	4194
PACKER bottom	4199
DEPTH 4199	
1'	4200
ANCHOR alpine recorder	4200
24' perf	4224
ak-1 recorder	4224
BULLNOSE 5' bullplug	4229
T.D.	4229

TEST HISTORY

11180 DST #2 Schowalter #3 Abercrombie Energy LLC.

Flag Points
t (Min.) P (PSig)

A	0.00	2025.20
B	0.00	40.34
C	28.00	65.59
D	45.00	998.78
E	0.00	95.59
F	56.00	128.18
G	45.00	982.66
Q	0.00	2000.40

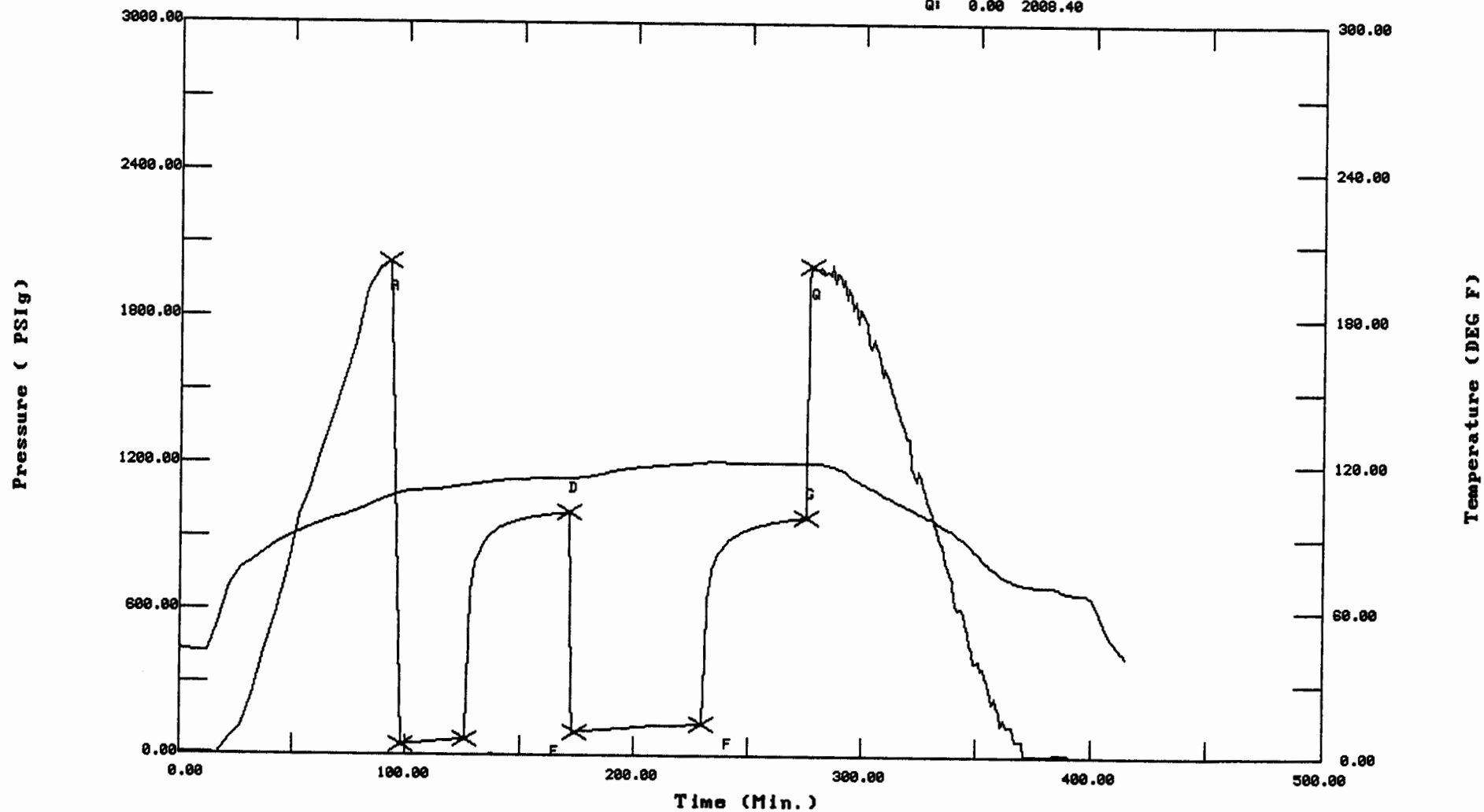
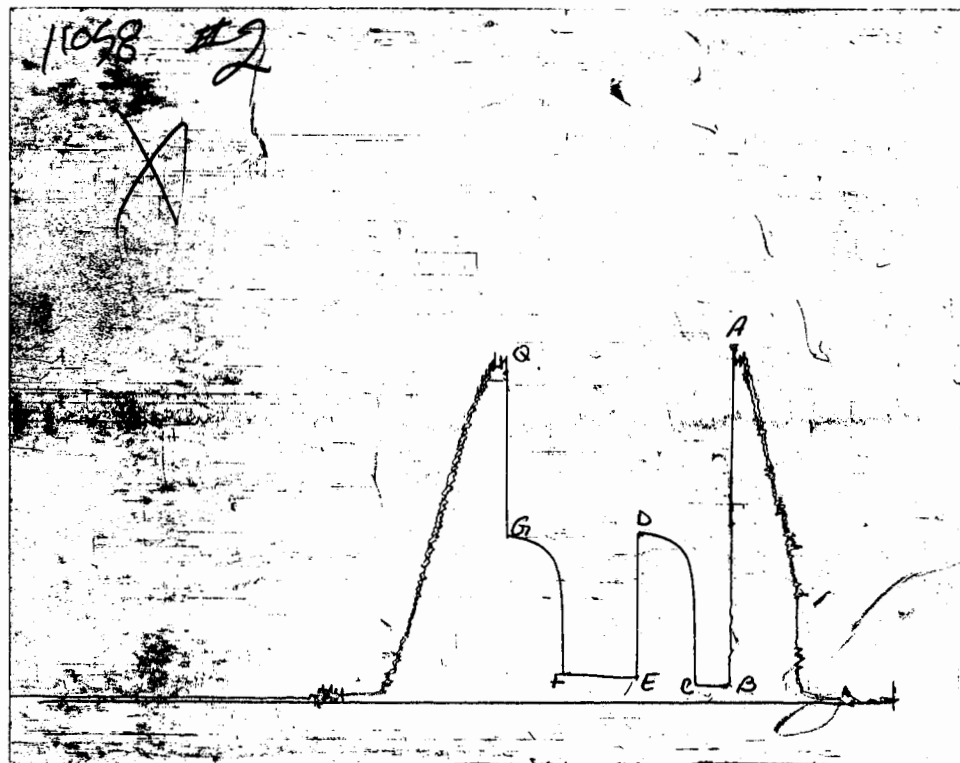


CHART PAGE



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 11180

Well Name & No.	Schwalter #3	Test No.	2	Date	2-5-00
Company	Aburcrombie Energy LLC	Zone Tested	KC "K"		
Address	1501 Main Suite 801 Wichita KS 67202	Elevation	2968	KB	2963 GL
Co. Rep / Geo.	Steve Davis	Cont.	Abie #4	Est. Ft. of Pay	Por. %
Location: Sec.	12	Twp.	18	Rge.	32
		Co.	Scott	State	Ks
No. of Copies	Norm	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested 4194 4229 Initial Str Wt./Lbs. 6400 Unseated Str Wt./Lbs. 6700
Anchor Length 30 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 8100
Top Packer Depth 4194 Tool Weight 4000
Bottom Packer Depth 4199 Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 4229 Wt. Pipe Run — Drill Collar Run 235'
Mud Wt. 9.2 LCM #4 Vis. 47 WL 8.0 Drill Pipe Size 4 1/2 X 11 Ft. Run —
Blow Description Tool slide 7' to bottom 1 1/2" @ open & back to a 1 1/4" in.
No return
12" @ open built to 2" in.
No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>230'</u>	<u>—</u>	<u>230'</u>	<u>—</u>
Rec. <u>230'</u>	Feet Of <u>1100' at 1600' @ 1 1/2" in.</u>	%gas <u>27%</u> %oil <u>65%</u> %water <u>35%</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 120° °F Gravity — °API D@ — °F Corrected Gravity — °API
RW 40 @ 50 °F Chlorides 23000 ppm Recovery Chlorides 1500 ppm System
(A) Initial Hydrostatic Mud 2132 2025 PSI Recorder No. 2346 T-Started 20:45 p.m.
(B) First Initial Flow Pressure 100 40 PSI (depth) 4200' T-Open 22:20 p.m.
(C) First Final Flow Pressure 100 65 PSI Recorder No. 11058 T-Pulled 01:20 p.m.
(D) Initial Shut-in Pressure 1008 998 PSI (depth) 4224' T-Out 03:50 a.m.
(E) Second Initial Flow Pressure 144 95 PSI Recorder No. — 02:20 p.m.
(F) Second Final Flow Pressure 166 128 PSI (depth) — 04:20 a.m.
(G) Final Shut-in Pressure 997 982 PSI Initial Opening 30 Test 700
(H) Final Hydrostatic Mud 2121 2008 PSI Initial Shut-in 45 Jars —

Final Flow 60 Safety Joint —
Final Shut-in 45 Straddle —
Circ. Sub x N/C
Sampler —

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 Steve Davis
Our Representative Steve Davis

Extra Packer —
Elect. Rec. x 150
Other —
TOTAL PRICE \$ 850

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Energy LLC.
WELL NAME: Schowalter #3
LOCATION : 12-18-32 Scott co KS
INTERVAL : 4530.00 To 4548.00 ft

DATE 2-7-00
KB 2968.00 ft TICKET NO: 11181 DST #3
GR 2963.00 ft FORMATION: Cherokee
TD 4548.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2346			PF Fr. 0840 to 0910 hr
SI 60 Range(Psi)	4475.0	4475.0	4995.0	0.0	0.0	IS Fr. 0910 to 1010 hr
SF 60 Clock(hrs)	12	12	alpin			SF Fr. 1010 to 1110 hr
FS 60 Depth(ft)	4543.0	4543.0	4531.0	0.0	0.0	FS Fr. 1110 to 1210 hr

	Field	1	2	3	4	
A. Init Hydro	2199.0	2213.0	2267.0	0.0	0.0	T STARTED 0638 hr
B. First Flow	11.0	5.0	24.0	0.0	0.0	T ON BOTM 0837 hr
B1. Final Flow	44.0	50.0	92.0	0.0	0.0	T OPEN 0840 hr
C. In Shut-in	500.0	509.0	560.0	0.0	0.0	T PULLED 1210 hr
D. Init Flow	77.0	82.0	94.0	0.0	0.0	T OUT 1455 hr
E. Final Flow	111.0	110.0	143.0	0.0	0.0	
F. Fl Shut-in	489.0	509.0	555.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2188.0	2189.0	2155.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 67000.00 lbs
						Unseated Str Wt 0.00 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 235.00 ft
						D.P. Length 4285.00 ft

RECOVERY

Tot Fluid 360.00 ft of 235.00 ft in DC and 125.00 ft in DP
95.00 ft of Clean gassy oil
0.00 ft of 15% gas 85% oil
265.00 ft of Mud cut gassy oil
0.00 ft of 30% gas 55% oil 15% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 2500.00 P.P.M. A.P.I. Gravity 30.00

BLOW DESCRIPTION

Initial Flow:
Bottom of bucket in 16 minutes.
Initial Shut-In:
Bled off 2 minutes. Return in 1 minute, 1/4". Died in 25 minutes.
Final Flow:
Bottom of bucket in 8 minutes.
Final Shut-In:
Bled off 2 minutes. Return in 1 minute. Built to 2".

SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	50.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	131.00 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.	Steve Davis
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Schowalter #3

LOCATION : 12-18-32 Scott co KS

TICKET No. 11181 D.S.T. No. 3 DATE 2-7-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 18

TOTAL TOOL 38

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 38

D.C. ABOVE TOOLS.Stands4 Single Total 235

D.P. ABOVE TOOLS.Stands Single Total 4285

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4558

TOTAL DEPTH 4548

TOTAL DRILL PIPE ABOVE K.B. 10

REMARKS:

P.O. SUB	
C.O. SUB 1'	4509
S.I. TOOL 5'	4515
HMV 5'	4520
JARS n/a	
SAFETY JOINT n/a	
PACKER top	4525
PACKER bottom	4530
DEPTH 4530	
1'	4531
ANCHOR alpine recorder	4531
12'perf	4543
ak-1 recorder	4543
BULLNOSE 5'bullplug	4548
T.D.	4548

CALCULATED RECOVERY ANALYSIS

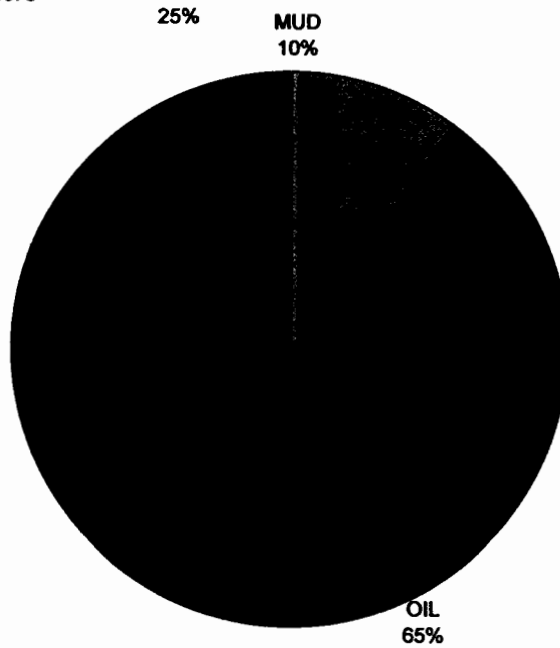
DST 3

TICKET 11181

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	95	15	14.25	85	80.75	0	0	0	0
PIPE	2	140	30	42	55	77	0	0	15	21
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	125	30	37.5	55	68.75	0	0	15	18.75
COLLARS	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		360	0	93.75	0	226.5	0	0	0	39.75

BBL OIL= 2.5793925 *
 BBL WATER= 0 *
 BBL MUD= 0.3903075

HRS OPEN 1.5 =
 BBL/DAY 41.27028 =
 0



TEST HISTORY

11181 DST #3 Schowalter #3 Abercrombie Energy LLC.

Flag Points
t (Min.) P (PSIg)

A	0.00	2267.13
B	0.00	24.24
C	29.00	92.79
D	59.00	568.37
E	0.00	94.81
F	58.00	143.92
G	60.00	555.42
Q	0.00	2155.64

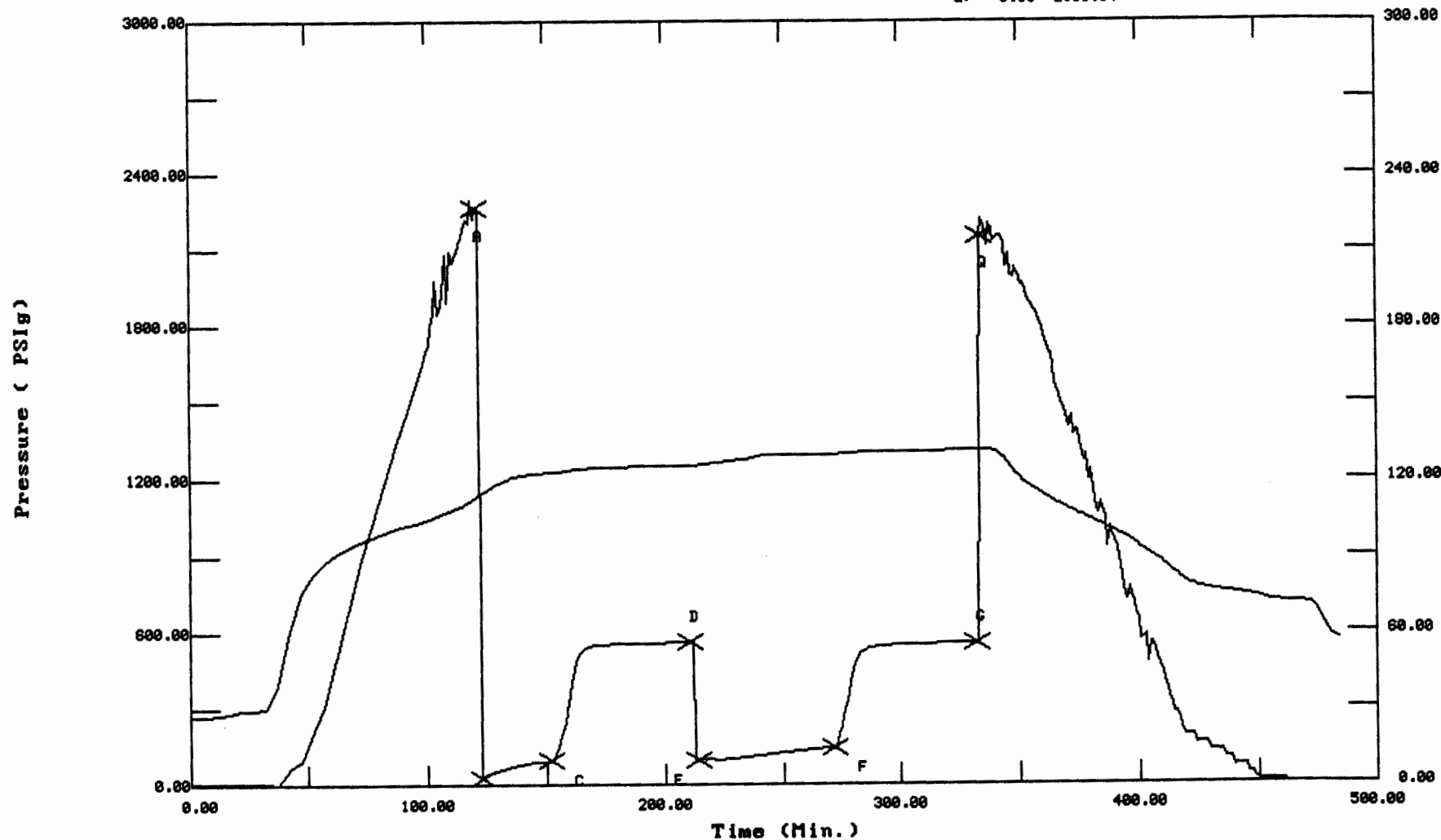
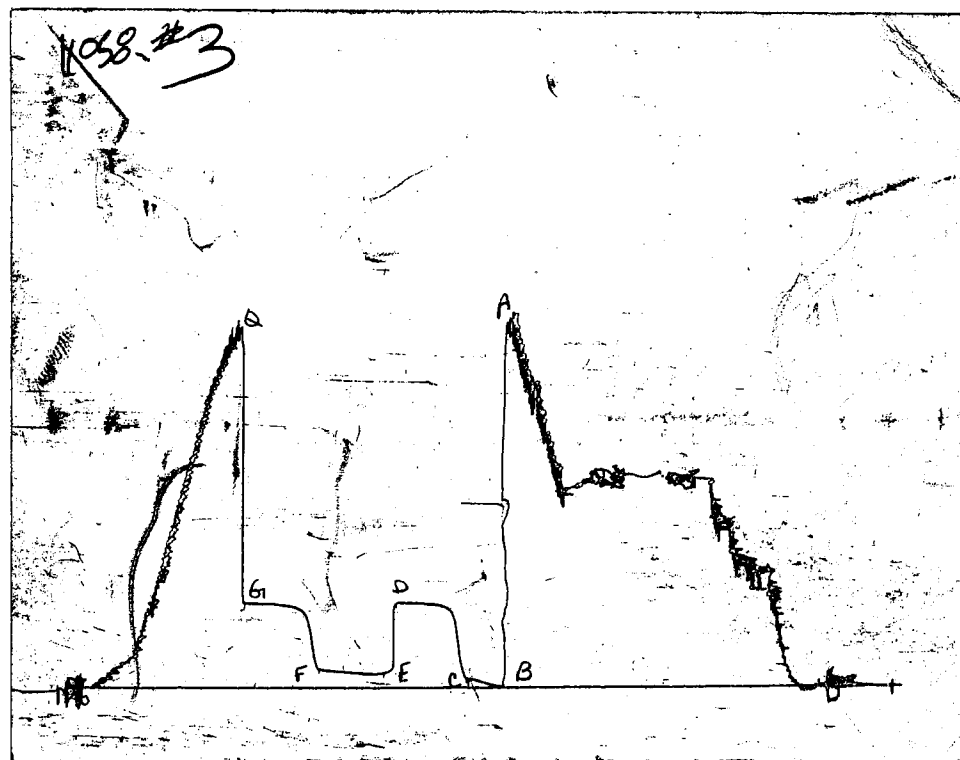


CHART PAGE



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 11181

Well Name & No. <u>Schewalter #3</u>	Test No. <u>3</u>	Date <u>2-7-00</u>
Company <u>Abercrombie Energy LLC.</u>	Zone Tested <u>Cherokee</u>	
Address <u>150 N. Main Suite 801 Wichita Ks 67202</u>	Elevation <u>2968' KB 2963' GL</u>	
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Abie #4</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>12</u>	Twp. <u>18</u>	Rge. <u>32</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) _____ Evaluation (Y, N) _____

Interval Tested <u>4530</u>	<u>4548</u>	Initial Str Wt./Lbs. <u>6700</u>	Unseated Str Wt./Lbs. <u>69000</u>
Anchor Length _____	<u>18</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth _____	<u>4525</u>	Tool Weight <u>4000</u>	
Bottom Packer Depth _____	<u>4530</u>	Hole Size — <u>7 7/8"</u> ✓	Rubber Size — <u>6 3/4"</u> ✓
Total Depth _____	<u>4548</u>	Wt. Pipe Run _____	Drill Collar Run <u>235'</u>
Mud Wt. <u>9.4</u> LCM <u>#4</u> Vis. <u>50</u> WL <u>7.2</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4285'</u>
Blow Description <u>B.O.B in 16 min.</u>			

Bleed off 2 min - return in 1 min 1/4" died in 25 min.
B.O.B in 8 min

Bleed off 2 min - return in 1 min built to 2" in.

Recovery — Total Feet <u>360'</u>	GIP <u>1140'</u>	Ft. in DC <u>235</u>	Ft. in DP <u>125'</u>
Rec. <u>95'</u>	Feet Of <u>Cgo</u>	<u>15%</u> gas <u>85%</u> oil	%water %mud
Rec. <u>265'</u>	Feet Of <u>mcgo</u>	<u>30%</u> gas <u>55%</u> oil	%water <u>15%</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>131°</u>	°F Gravity <u>31</u>	°API D@ <u>40</u>	°F Corrected Gravity <u>30</u> °API
RW _____	°F Chlorides _____	ppm Recovery Chlorides <u>2,500</u>	ppm System

(A) Initial Hydrostatic Mud <u>2199</u>	<u>2267</u> PSI	Recorder No. <u>2346</u>	T-Started <u>06:38 A.M.</u>
(B) First Initial Flow Pressure <u>11</u>	<u>24</u> PSI	(depth) <u>4531'</u>	T-Open <u>08:40 A.M.</u>
(C) First Final Flow Pressure <u>44</u>	<u>92</u> PSI	Recorder No. <u>11058</u>	T-Pulled <u>12:10 P.M.</u>
(D) Initial Shut-in Pressure <u>500</u>	<u>560</u> PSI	(depth) <u>4543'</u>	T-Out <u>14:55 P.M.</u>
(E) Second Initial Flow Pressure <u>77</u>	<u>94</u> PSI	Recorder No. _____	onloc <u>06:00 A.M.</u>
(F) Second Final Flow Pressure <u>111</u>	<u>143</u> PSI	(depth) _____	offloc <u>15:40 P.M.</u>
(G) Final Shut-in Pressure <u>489</u>	<u>555</u> PSI	Initial Opening <u>30</u>	Test <u>700</u>
(H) Final Hydrostatic Mud <u>2188</u>	<u>2155</u> PSI	Initial Shut-in <u>60</u>	Jars _____

Final Flow 60 Safety Joint _____
Final Shut-in 60 Straddle _____

Circ. Sub x n/c
Sampler _____

Extra Packer _____

Elect. Rec. x 150

Other _____

TOTAL PRICE \$ 850

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

Steve Davis

Steve Davis

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Energy LLC.
WELL NAME: Schowalter #3
LOCATION : 12-18-32 Scott, county, Ks
INTERVAL : 4638.00 To 4650.00 ft

DATE 2-8-00
KB 2968.00 ft TICKET NO: 11182 DST #4
GR 2963.00 ft FORMATION: miss
TD 4683.00 ft TEST TYPE: CONV.STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.			2346			PF Fr. 2005 to 2035 hr
SI 45 Range(Psi)	0.0	0.0	4995.0	0.0	0.0	IS Fr. 2035 to 2120 hr
SF 60 Clock(hrs)			alpin			SF Fr. 2120 to 2220 hr
FS 45 Depth(ft)	0.0	0.0	4639.0	0.0	0.0	FS Fr. 2220 to 2305 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2284.0	0.0	0.0	T STARTED 1820 hr
B. First Flow	0.0	0.0	16.0	0.0	0.0	T ON BOTM 2003 hr
B1. Final Flow	0.0	0.0	67.0	0.0	0.0	T OPEN 2005 hr
C. In Shut-in	0.0	0.0	1133.0	0.0	0.0	T PULLED 2305 hr
D. Init Flow	0.0	0.0	72.0	0.0	0.0	T OUT 0215 hr
E. Final Flow	0.0	0.0	134.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1081.0	0.0	0.0	
G. Final Hydro	0.0	0.0	2264.0	0.0	0.0	
Inside/Outside			i			

RECOVERY

Tot Fluid 240.00 ft of 235.00 ft in DC and 5.00 ft in DP
65.00 ft of mud cut water 35% mud 65% water
175.00 ft of water 100%
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 32000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Intial Flow:
1/4" open built to 2"
Initial Shutin:
No return
Final Flow:
Weak surface blow in 3 minutes
blew throughout
Final Shutin:
No return

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type chem
Weight 9.40 lb/c
Vis. 51.00 S/L
W.L. 7.20 in3
F.C. 0.00 in
Mud Drop N
Amt. of fill 0.00 ft
Btm. H. Temp. 134.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 3
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Shane McBride
Co. Rep. Steve Davis
Contr. Abercrombie
Rig # 4
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV.STRADDLE

WELL NAME: Schowalter #3

LOCATION : 12-18-32 Scott, county, Ks

TICKET No. 11182 D.S.T. No. 4 DATE 2-8-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 45

TOTAL TOOL 65

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 65

D.C. ABOVE TOOLS.Stands4 Single Total 235

D.P. ABOVE TOOLS.Stands Single Total 4408

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4708

TOTAL DEPTH 4683

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

P.O. SUB	
C.O. SUB 1'	4617
S.I. TOOL 5'	4623
HMV 5'	4628
JARS n/a	
SAFETY JOINT n/a	
PACKER top	4633
PACKER bottom	4638
DEPTH 4638	
1'	4639
ANCHOR alpine recorder	4639
7' perf	4646
1'blank off sub	4647
3' top of straddle packer	
PACKER straddle packer	4650
1' stubb	4651
27'tail pipe	4678
ak-1 recorder	4678
BULLNOSE 5' bullplug	4683
T.D.	4683

TEST HISTORY

11182 DST #4 Schowalter #3 Abercrombie Energy LLC.

Flag Points
t(Min.) P(PSig)

A:	0.00	2284.85
B:	0.00	16.53
C:	28.00	87.48
D:	46.00	1133.27
E:	0.00	72.18
F:	59.00	134.23
G:	46.00	1081.27
Q:	0.00	2264.58

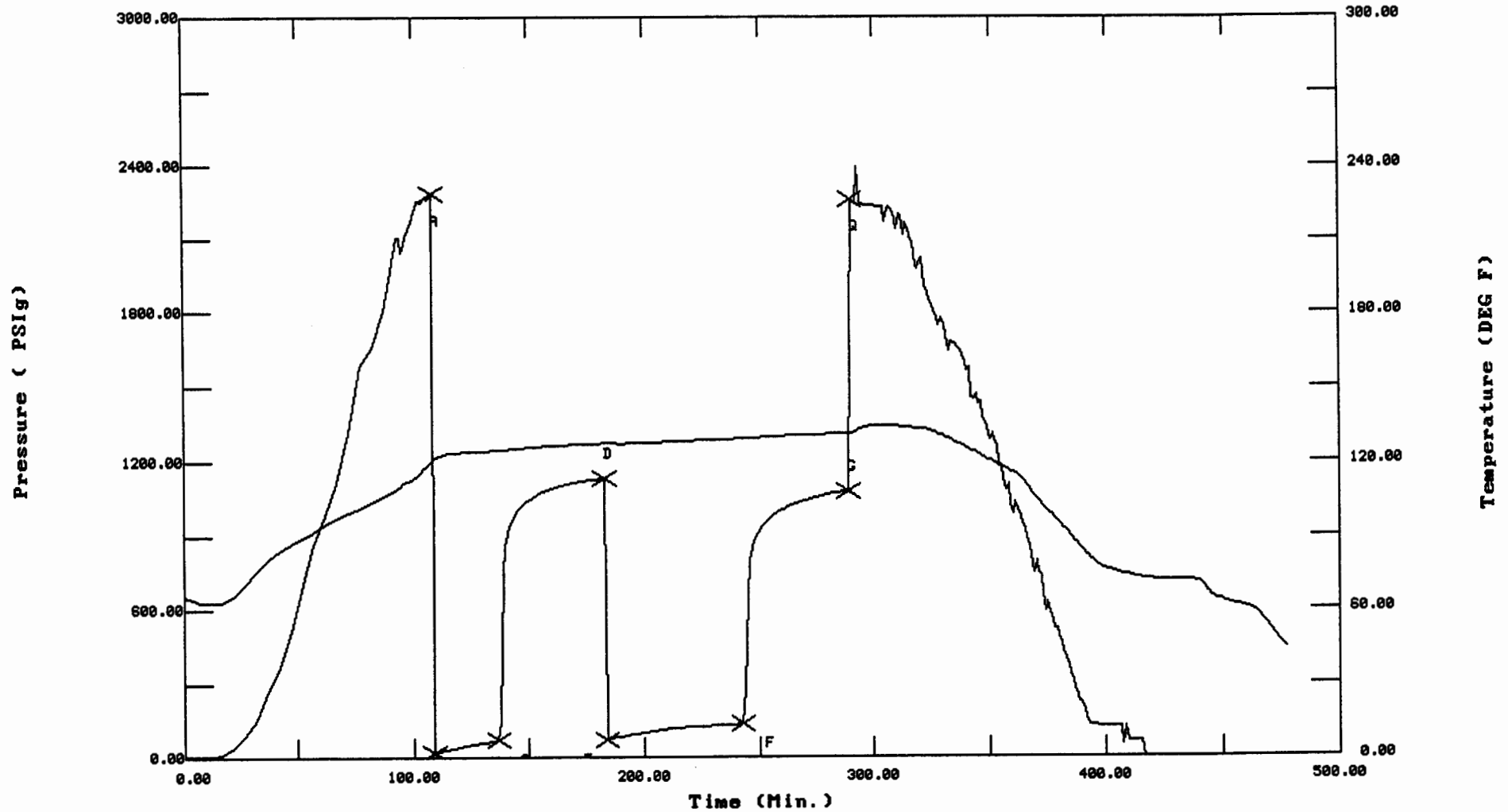
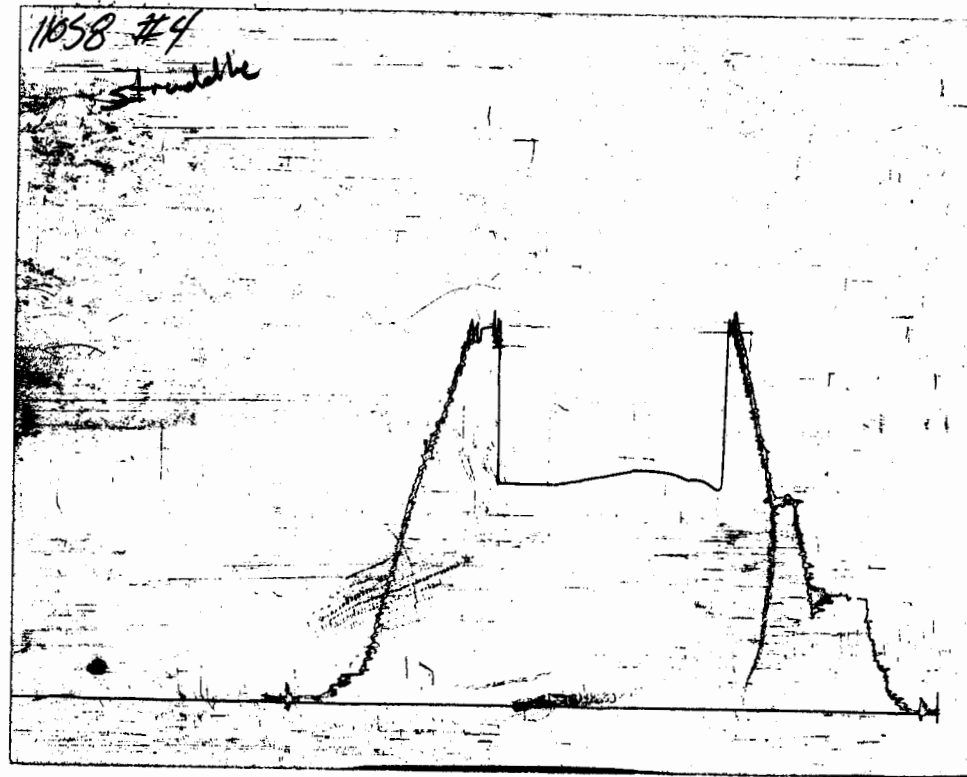


CHART PAGE



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 11182

Well Name & No. <u>Schowalter #3</u>	Test No. <u>#4</u>	Date <u>2-8-00</u>
Company <u>Abercrombie Energy LLC</u>	Zone Tested <u>MISS</u>	
Address <u>150 N MAIN Suite 801 Wichita, KS 67202</u>	Elevation <u>2968'</u> KB <u>2963'</u> GL	
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Abie #4</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>12</u> Twp. <u>18</u> Rge. <u>32</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> </u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>4638'</u>	<u>4650'</u>	Initial Str Wt./Lbs. <u>72,000</u>	Unseated Str Wt./Lbs. <u>72,000</u>
Anchor Length <u> </u>	<u>12'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>85,000</u>
Top Packer Depth <u>4633'</u>	<u>4638'</u>	Tool Weight <u>5,000</u>	
Bottom Packer Depth <u> </u>	<u>4650'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u> </u>	<u>4683'</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>235'</u>
Mud Wt. <u>9.4</u> LCM <u>#4</u> Vis. <u>51</u> WL <u>7.2</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4408'</u>

Blow Description 1/4" in open built to 2" in.

No return
1/2" Weak surface blow in 3 min. blew throughout.
No return

Recovery — Total Feet <u>240'</u>	GIP <u> </u>	Ft. in DC <u>235'</u>	Ft. in DP <u>5'</u>
Rec. <u>65'</u> Feet Of <u>1140 cut water</u>	%gas <u> </u> %oil <u> </u> %water <u>65%</u> %mud <u>35%</u>		
Rec. <u>175'</u> Feet Of <u>water</u>	%gas <u> </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>		

BHT 134° °F Gravity °API D @ °F Corrected Gravity °API
 RW .31 @ 48 °F Chlorides 32,000 ppm Recovery Chlorides 2,500 ppm System

(A) Initial Hydrostatic Mud <u>2284</u> PSI	Recorder No. <u>2346</u>	T-Started <u>18:20 p.m.</u>
(B) First Initial Flow Pressure <u>16</u> PSI	(depth) <u>4639'</u>	T-Open <u>20:05 p.m.</u>
(C) First Final Flow Pressure <u>67</u> PSI	Recorder No. <u>11058'</u>	T-Pulled <u>23:05 p.m.</u>
(D) Initial Shut-in Pressure <u>1133</u> PSI	(depth) <u>4678'</u>	T-Out <u>02:15 p.m.</u>
(E) Second Initial Flow Pressure <u>72</u> PSI	Recorder No. <u> </u>	on loc <u>16:50 p.m.</u>
(F) Second Final Flow Pressure <u>134</u> PSI	(depth) <u> </u>	off loc <u>03:10 p.m.</u>
(G) Final Shut-in Pressure <u>1081</u> PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>700</u>
(H) Final Hydrostatic Mud <u>2264</u> PSI	Initial Shut-in <u>45</u>	Jars <u> </u>

At Pine

Final Flow 60 Safety Joint
 Final Shut-in 45 Straddle X 250

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 [Signature]
 Our Representative [Signature]

Circ. Sub X N/C
 Sampler
 Extra Packer X 150
 Elect. Rec. X 150
 Other
 TOTAL PRICE \$ 1250

Well Name Schowalter
DST Number 1
Recorder Number 11058

A: 1.807 2028
B: .065 72
C: .076 84
D: .811 908
E: .157 174
F: .190 211
G: .742 830
Q: 1.793 2012

Well Name Schowalter
DST Number 2
Recorder Number 11058

A: 1.852 2078
B: .072 80
C: .075 83
D: .882 988
E: .110 122
F: .128 142
G: .861 964
Q: 1.815 2037

Well Name Schowalter #3
DST Number 3
Recorder Number 11058

A: 1.972 2213
B: .005 5
C: .045 50
D: .458 509
E: .074 82
F: .099 110
G: .458 509
Q: 1.951 2189