

15-171-20541

Well Name: Schowalter #2-12
Company: Abercrombie Energy LLC
Location: 12-18s-32w
Scott co Kansas
Date: 2-1-00

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Energy LLC.
 WELL NAME: Schowalter #2-12
 LOCATION : 12-18S-32W Scott co KS
 INTERVAL : 4550.00 To 4562.00 ft

DATE 1-26-00

KB 2969.00 ft TICKET NO: 11614 DST #1
 GR 2964.00 ft FORMATION: Cherokee
 TD 4562.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13339	13339	3024			PF Fr. 2008 to 2038 hr
SI 45	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 2038 to 2123 hr
SF 30	Clock(hrs)	12 HR	12	ALP			SF Fr. 2123 to 2153 hr
FS 45	Depth(ft)	4557.0	4557.0	4552.0	0.0	0.0	FS Fr. 2153 to 2238 hr

	Field	1	2	3	4	
A. Init Hydro	2163.0	2157.0	2180.0	0.0	0.0	T STARTED 1730 hr
B. First Flow	20.0	68.0	26.0	0.0	0.0	T ON BOTM 2005 hr
B1. Final Flow	20.0	37.0	29.0	0.0	0.0	T OPEN 2008 hr
C. In Shut-in	218.0	221.0	270.0	0.0	0.0	T PULLED 2238 hr
D. Init Flow	41.0	62.0	37.0	0.0	0.0	T OUT 0215 hr
E. Final Flow	41.0	62.0	43.0	0.0	0.0	
F. Fl Shut-in	187.0	183.0	244.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2073.0	2097.0	2148.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 235.00 ft
						D.P. Length 4325.00 ft

RECOVERY

Tot Fluid 65.00 ft of 65.00 ft in DC and 0.00 ft in DP
 5.00 ft of Free Oil
 0.00 ft of 100% oil
 60.00 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

SALINITY 0.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow:
 Weak surface blow died in 20 minutes.
 Final Flow:
 No return. Flushed tool/ good surge.
 No return blow.

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.70 lb/cf
Vis.	64.00 S/L
W.L.	8.80 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	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

11614 DST #1 Schowalter #2-12 Abercrombie Energy LLC

Flag Points

t(Min.) P(PSIg)

A:	0.00	2180.09
B:	0.00	26.96
C:	36.00	29.60
D:	49.00	270.53
E:	0.00	37.70
F:	30.00	43.16
G:	43.00	244.56
Q:	0.00	2148.61

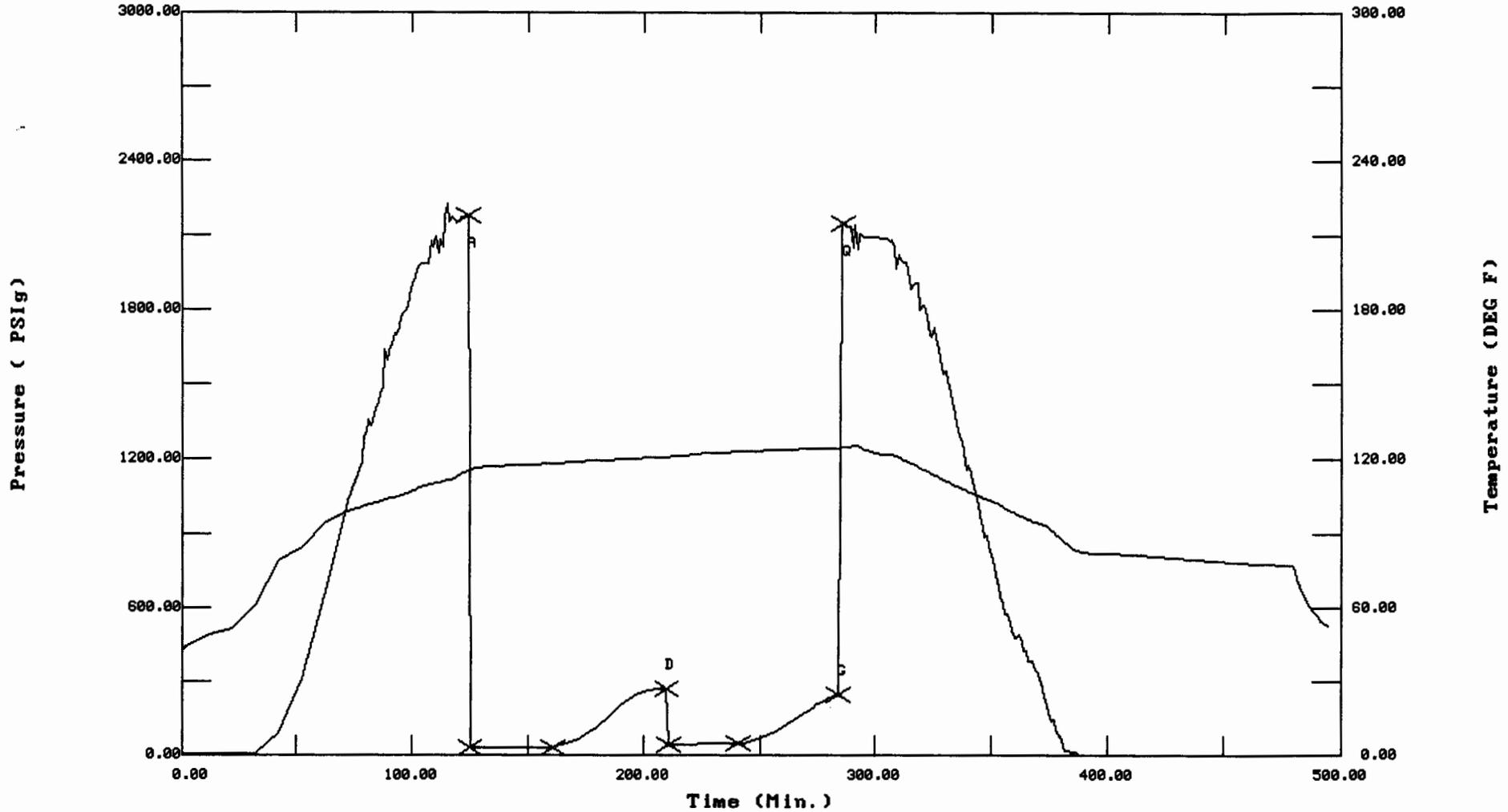
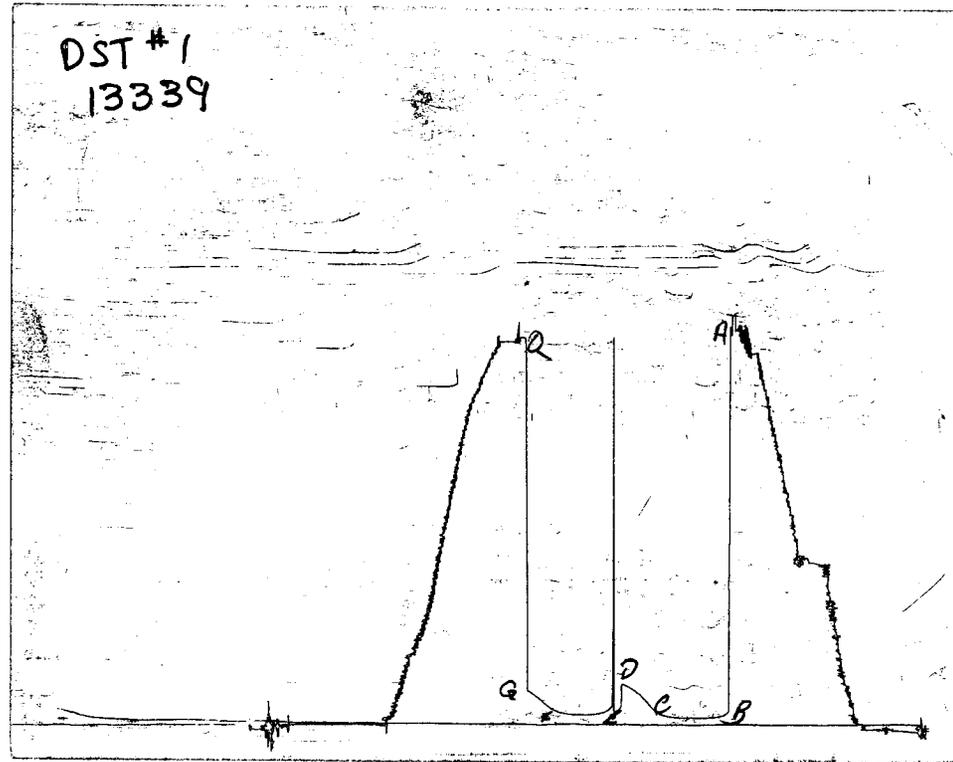


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 11614

Test Ticket

Well Name & No. Schwalter #2-12 Test No. 1 Date 1-26-00
 Company Abercrombie Energy L.L.C. Zone Tested Cherokee
 Address 150 N. Main Ste 801 Wichita, KS 67202 Elevation 2969 KB 2964 GL
 Co. Rep / Geo. Steve Davis Cont. Abercrombie #4 Est. Ft. of Pay Por. %
 Location: Sec. 12 Twp. 18^S Rge. 32^W Co. Scott State KS
 No. of Copies Nml. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4550 - 4562 Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 70,000
 Anchor Length 12' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 75,000
 Top Packer Depth 4545 Tool Weight 1,800
 Bottom Packer Depth 4550 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4562 Wt. Pipe Run Drill Collar Run 235' (4)
 Mud Wt. 8.7 LCM 7* Vis. 64 WL 8.8 Drill Pipe Size 4 1/2" XH Ft. Run 4325' (6)
 Blow Description 1F: Weak surface blow died in 20 mins.

FF: No return - flushed tool / good surge - no return blow.

Recovery — Total Feet 65' GIP Ft. in DC 65' Ft. in DP
 Rec. Feet Of %gas %oil %water %mud
 Rec. 5' Feet Of FO %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. 60' Feet Of OCM %gas 15 %oil %water 85 %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 123° °F Gravity 36 °API D@ 60° °F Corrected Gravity 36 °API
 RW @ °F Chlorides ppm Recovery Chlorides 1,500 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2163	2180	3024	1730
(B) First Initial Flow Pressure	20	26	(depth) 4552	T-Started 1759
(C) First Final Flow Pressure	20	29	PSI Recorder No. 13339	T-Open 2008
(D) Initial Shut-In Pressure	218	270	(depth) 4551	T-Pulled 2238
(E) Second Initial Flow Pressure	41	37	PSI Recorder No. —	T-Out 0215
(F) Second Final Flow Pressure	41	43	(depth) —	T-Off Location 0300
(G) Final Shut-in Pressure	187	244	PSI Initial Opening 30	Test 700
(Q) Final Hydrostatic Mud	2073	2148	PSI Initial Shut-in 45	Jars

Final Flow 30 Safety Joint
 Final Shut-in 45 Straddle
 Circ. Sub X NIC
 Sampler
 Extra Packer
 Elec. Rec. X 150
 Mileage 8 miles
 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 [Signature]

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Energy LLC.
 WELL NAME: Schowalter #2-12
 LOCATION : 12-18S-32W Scott KS.
 INTERVAL : 4561.00 To 4573.00 ft

DATE 1-27-00

KB 2969.00 ft TICKET NO: 11615 DST #2
 GR 2964.00 ft FORMATION: Cherokee
 TD 4573.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	3024			PF Fr. 1400 to 1430 hr
SI 60 Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 1430 to 1530 hr
SF 30 Clock(hrs)	12 HR	12hr	ALP			SF Fr. 1530 to 1600 hr
FS 60 Depth(ft)	4568.0	4568.0	4563.0	0.0	0.0	FS Fr. 1600 to 1700 hr

	Field	1	2	3	4	
A. Init Hydro	2203.0	2185.0	2176.0	0.0	0.0	T STARTED 1100 hr
B. First Flow	20.0	16.0	18.0	0.0	0.0	T ON BOTM 1200 hr
Bl. Final Flow	20.0	16.0	25.0	0.0	0.0	T OPEN 1358 hr
C. In Shut-in	270.0	266.0	292.0	0.0	0.0	T PULLED 1400 hr
D. Init Flow	62.0	86.0	36.0	0.0	0.0	T OUT 1845 hr
E. Final Flow	62.0	87.0	44.0	0.0	0.0	
F. Fl Shut-in	207.0	214.0	242.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2143.0	2127.0	2143.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 235.00 ft
						D.P. Length 4325.00 ft

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 60.00 ft of Oil cut mud
 0.00 ft of 10% oil 90% mud
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow:
 Weak surface blow increased to 1/2".
 Final Flow:
 No retrun. Blushed tool/ good surge.
 No return blow.

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	54.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 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	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

11615 DST #2 Schowalter #2-12 Abercrombie Energy LLC

Flag Points

t(Min.) P(PSig)

A:	0.00	2176.44
B:	0.00	18.87
C:	30.00	25.42
D:	60.00	292.00
E:	0.00	36.22
F:	30.00	44.70
G:	50.00	242.47
H:	0.00	2143.26

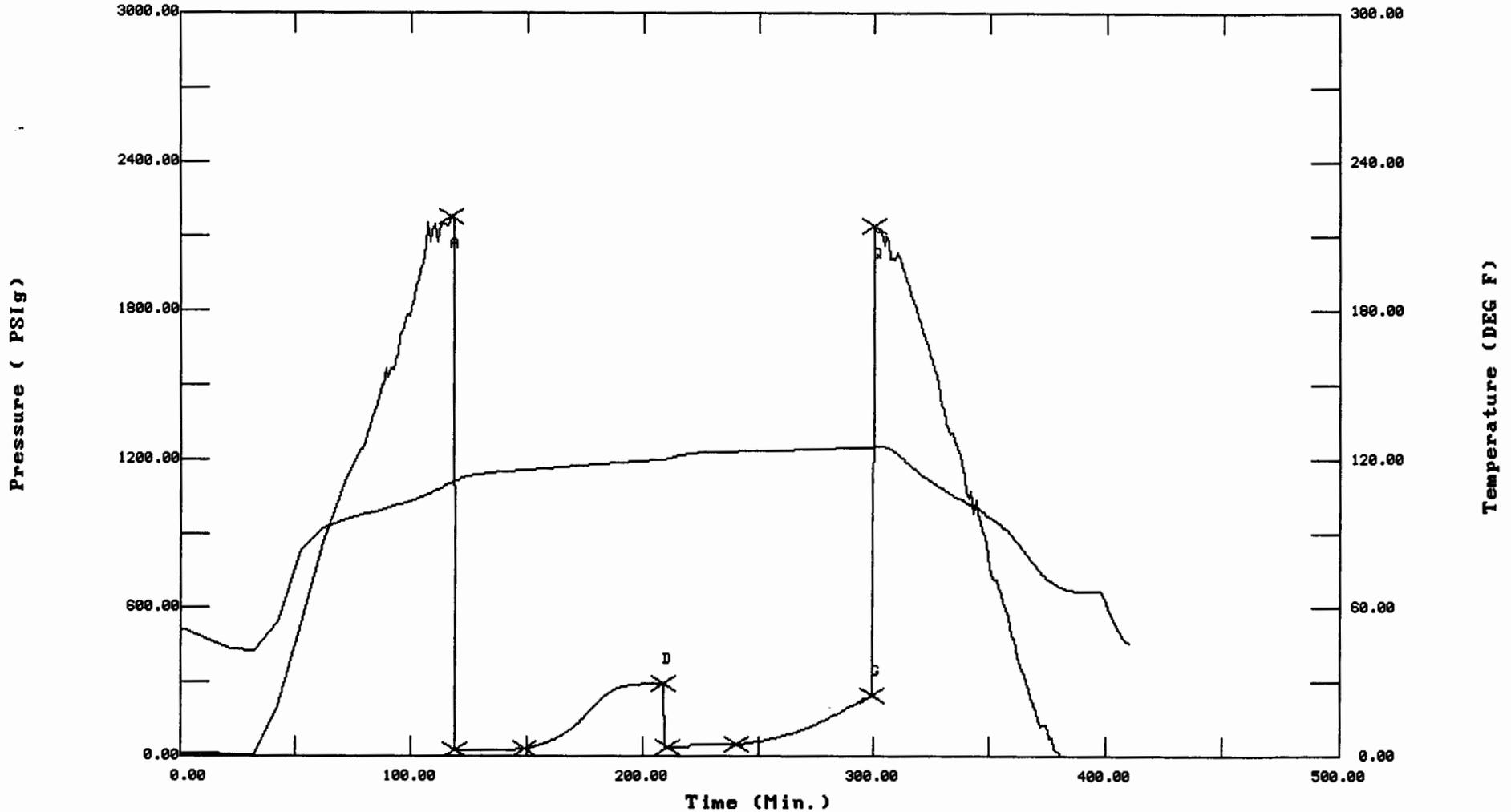
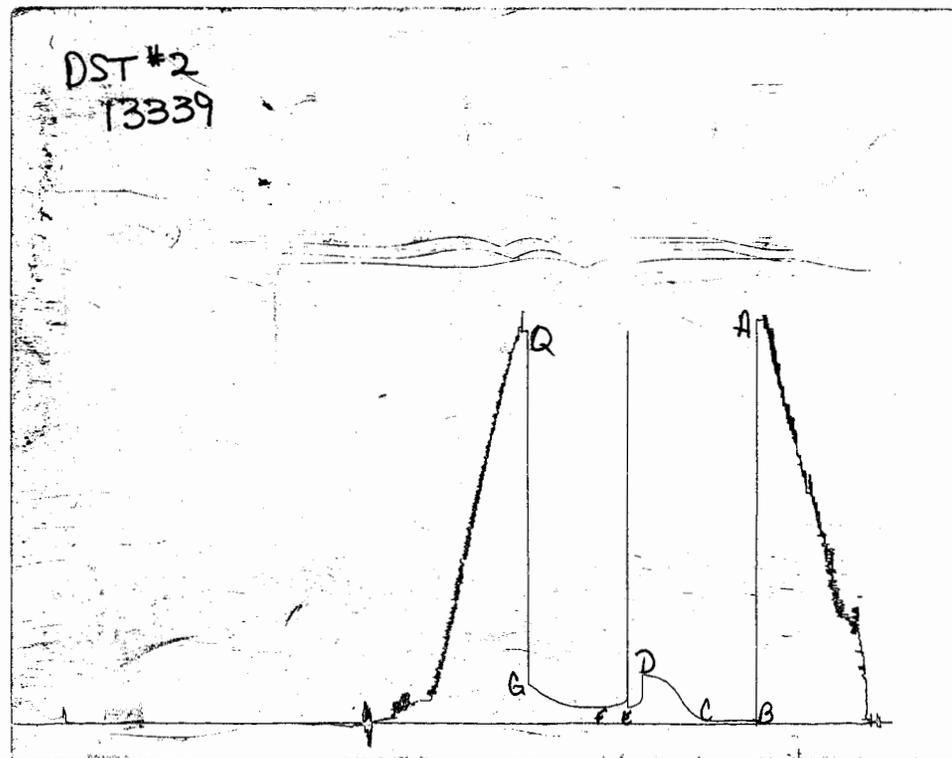


CHART PAGE



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 11615

Well Name & No.	<u>Schwalter #2-12</u>	Test No.	<u>2</u>	Date	<u>1-27-00</u>
Company	<u>Abercrombie Energy LLC</u>	Zone Tested	<u>Cherokee</u>		
Address	<u>150 N. Main Ste 801 Wichita, KS. 67202</u>	Elevation	<u>2969</u>	KB	<u>2964</u> GL
Co. Rep / Geo.	<u>Steve Davis</u>	Cont.	<u>Abercrombie #4</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>12</u>	Twp.	<u>18^S</u>	Rge.	<u>32^W</u> Co. <u>Scott</u> State <u>KS.</u>
No. of Copies	<u> </u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>4561 - 4573</u>	Initial Str Wt./Lbs.	<u>70,000</u>	Unseated Str Wt./Lbs.	<u>70,000</u>
Anchor Length	<u>12'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>85,000</u>
Top Packer Depth	<u>4556</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>4561</u>	Hole Size — 7 7/8"	<u> </u>	Rubber Size — 6 3/4"	<u> </u>
Total Depth	<u>4573</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>235'</u> (4)
Mud Wt.	<u>8.9</u> LCM <u>3#</u> Vis. <u>54</u> WL <u>9.6</u>	Drill Pipe Size	<u>4 1/2" XH</u>	Ft. Run	<u>4325'</u> (6)
Blow Description	<u>IF: Weak surface blow increased to 1/2" thru.</u>				

FF: No return - Flush tool / good surge - no return blow.

Recovery — Total Feet	<u>60'</u>	GIP	<u> </u>	Ft. in DC	<u>60'</u>	Ft. in DP	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u>60'</u>	Feet Of	<u>DCM</u>	%gas	<u>10</u>	%oil	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%water	<u>90</u>	%mud	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%water	<u> </u>	%mud	<u> </u>
BHT	<u>124°</u>	°F Gravity	<u>36</u>	°API D@	<u>60°</u>	°F Corrected Gravity	<u>36</u>
RW	<u> </u>	@	<u> </u>	°F Chlorides	<u> </u>	ppm Recovery	<u>2,500</u>
				ppm System	<u> </u>		

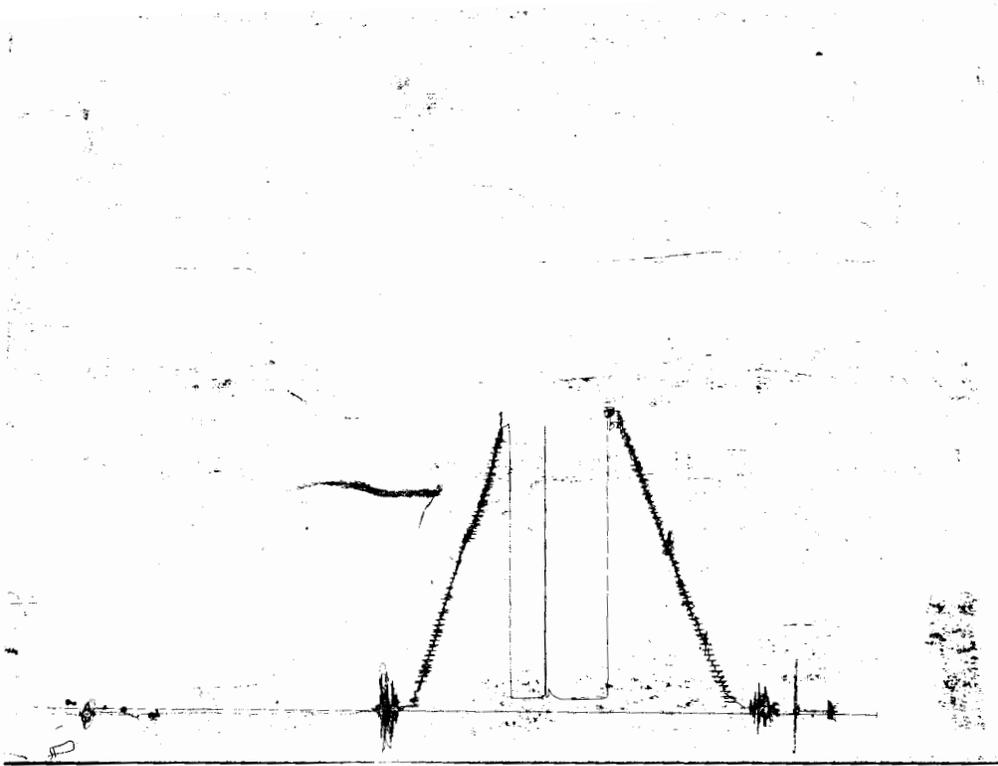
	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2203</u>	<u>2176</u>	PSI Recorder No.	<u>3024</u>	T-On Location	<u>1100</u>
(B) First Initial Flow Pressure	<u>20</u>	<u>18</u>	PSI (depth)	<u>4563</u>	T-Started	<u>1200</u>
(C) First Final Flow Pressure	<u>20</u>	<u>25</u>	PSI Recorder No.	<u>13339</u>	T-Open	<u>1400</u>
(D) Initial Shut-In Pressure	<u>270</u>	<u>292</u>	PSI (depth)	<u>4568</u>	T-Pulled	<u>1700</u>
(E) Second Initial Flow Pressure	<u>62</u>	<u>36</u>	PSI Recorder No.	<u> </u>	T-Out	<u>1845</u>
(F) Second Final Flow Pressure	<u>62</u>	<u>44</u>	PSI (depth)	<u> </u>	T-Off Location	<u>1930</u>
(G) Final Shut-in Pressure	<u>207</u>	<u>242</u>	PSI Initial Opening	<u>30</u>	Test	<u>700</u>
(Q) Final Hydrostatic Mud	<u>2143</u>	<u>2143</u>	PSI Initial Shut-in	<u>60</u>	Jars	<u> </u>
			Final Flow	<u>30</u>	Safety Joint	<u> </u>
			Final Shut-in	<u>60</u>	Straddle	<u> </u>

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Approved By St Os

Our Representative Rod Steinbrink

Circ. Sub X NIC
Sampler
Extra Packer
Elec. Rec. X 150
Mileage
Other
TOTAL PRICE \$ 850



Well Name Schwalter 2-12
 DST Number 1
 Recorder Number 13339

A:	<u>2.134</u>	<u>2157</u>
B:	<u>.1066</u>	<u>68</u>
C:	<u>.036</u>	<u>37</u>
D:	<u>.213</u>	<u>221</u>
E:	<u>.060</u>	<u>62</u>
F:	<u>.060</u>	<u>62</u>
G:	<u>.176</u>	<u>183</u>
Q:	<u>2.074</u>	<u>2097</u>

Well Name Schwalter 2-12
 DST Number 2
 Recorder Number 13339

A:	<u>2.162</u>	<u>2185</u>
B:	<u>.016</u>	<u>16</u>
C:	<u>.016</u>	<u>16</u>
D:	<u>.256</u>	<u>266</u>
E:	<u>.083</u>	<u>86</u>
F:	<u>.084</u>	<u>87</u>
G:	<u>.206</u>	<u>214</u>
Q:	<u>2.104</u>	<u>2127</u>