

DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

150 N.Main Ste.801
Wichita Ks. 67202

ATTN: Steve Davis

1-31s-11w Barber Ks

Hudson #1-1

Start Date: 2001.06.06 @ 08:33:26

End Date: 2001.06.06 @ 16:46:55

Job Ticket #: 14060 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Abercrombie Energy LLC

150 N.Main Ste.801
Wichita Ks. 67202

ATTN: Steve Davis

Hudson #1-1

1-31s-11w Barber Ks

Job Ticket: 14060

DST#: 1

Test Start: 2001.06.06 @ 08:33:26

GENERAL INFORMATION:

Formation: **Douglas Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:38:25

Time Test Ended: 16:46:55

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 13

Interval: **3764.00 ft (KB) To 3822.00 ft (KB) (TVD)**

Total Depth: 3822.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1784.00 ft (KB)

1779.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **2342** Inside

Press@RunDepth: 257.73 psig @ 3765.00 ft (KB)

Start Date: 2001.06.06

End Date:

2001.06.06

Start Time: 08:33:26

End Time:

16:46:55

Capacity: 7000.00 psig

Last Calib.: 2001.01.04

Time On Btm: 2001.06.06 @ 10:36:25

Time Off Btm: 2001.06.06 @ 14:16:25

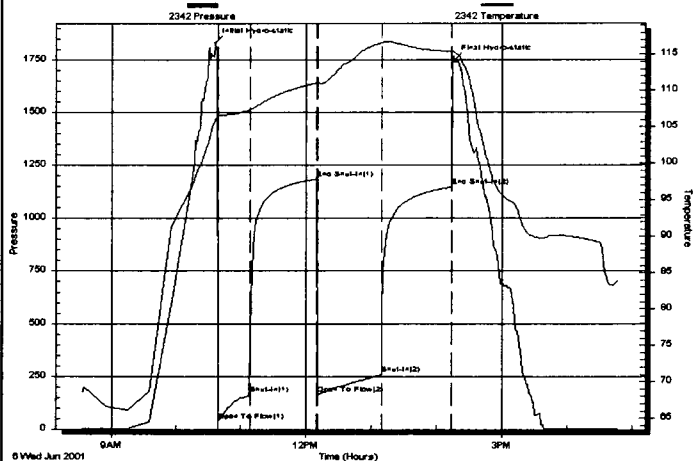
TEST COMMENT: IF:Weak to fair blow . Sow increase to 8".

IS:No blow .

FF:Fair blow . Slow increase to 14".

FSt:No blow .

Pressure vs. Time



PRESSURE SUMMARY

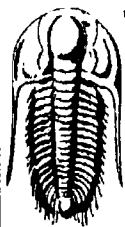
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.87	106.05	Initial Hydro-static
2	33.06	106.44	Open To Flow (1)
32	160.63	107.37	Shut-In(1)
94	1185.22	111.07	End Shut-In(1)
94	163.23	111.08	Open To Flow (2)
153	257.73	116.60	Shut-In(2)
218	1147.54	115.40	End Shut-In(2)
220	1749.47	115.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Muddy water 84%W 16%M	1.18
125.00	Watery mud 26%W 74%M	1.75
110.00	Heavy mud	1.54

Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC

Hudson #1-1

150 N.Main Ste.801
Wichita Ks. 67202

1-31s-11w Barber Ks

Job Ticket: 14060

DST#: 1

ATTN: Steve Davis

Test Start: 2001.06.06 @ 08:33:26

Tool Information

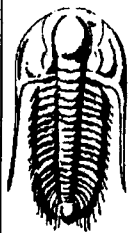
Drill Pipe:	Length: 3522.00 ft	Diameter: 3.80 inches	Volume: 49.40 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 66000.00 lb
		Total Volume: 50.58 bbl		Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3764.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3743.00	
S.I. Tool	5.00			3748.00	
HMV	5.00			3753.00	
Safety Joint	2.00			3755.00	
Packer	4.00			3759.00	22.00 Bottom Of Top Packer
Packer	5.00			3764.00	
Stubb	1.00			3765.00	
Recorder	0.00	2342	Inside	3765.00	
Perforations	19.00			3784.00	
C.O. Sub	1.00			3785.00	
Blank Spacing	31.00			3816.00	
C.O. Sub	1.00			3817.00	
Recorder	0.00	10248	Outside	3817.00	
Bullnose	5.00			3822.00	58.00 Bottom Packers & Anchor

Total Tool Length: 80.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC

Hudson #1-1

150 N.Main Ste.801
Wichita Ks. 67202

1-31s-11w Barber Ks

Job Ticket: 14060

DST#: 1

ATTN: Steve Davis

Test Start: 2001.06.06 @ 08:33:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

91000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Muddy water 84%W 16%M	1.180
125.00	Watery mud 26%W 74%M	1.753
110.00	Heavy mud	1.543

Total Length: 475.00 ft

Total Volume: 4.476 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #: none

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:

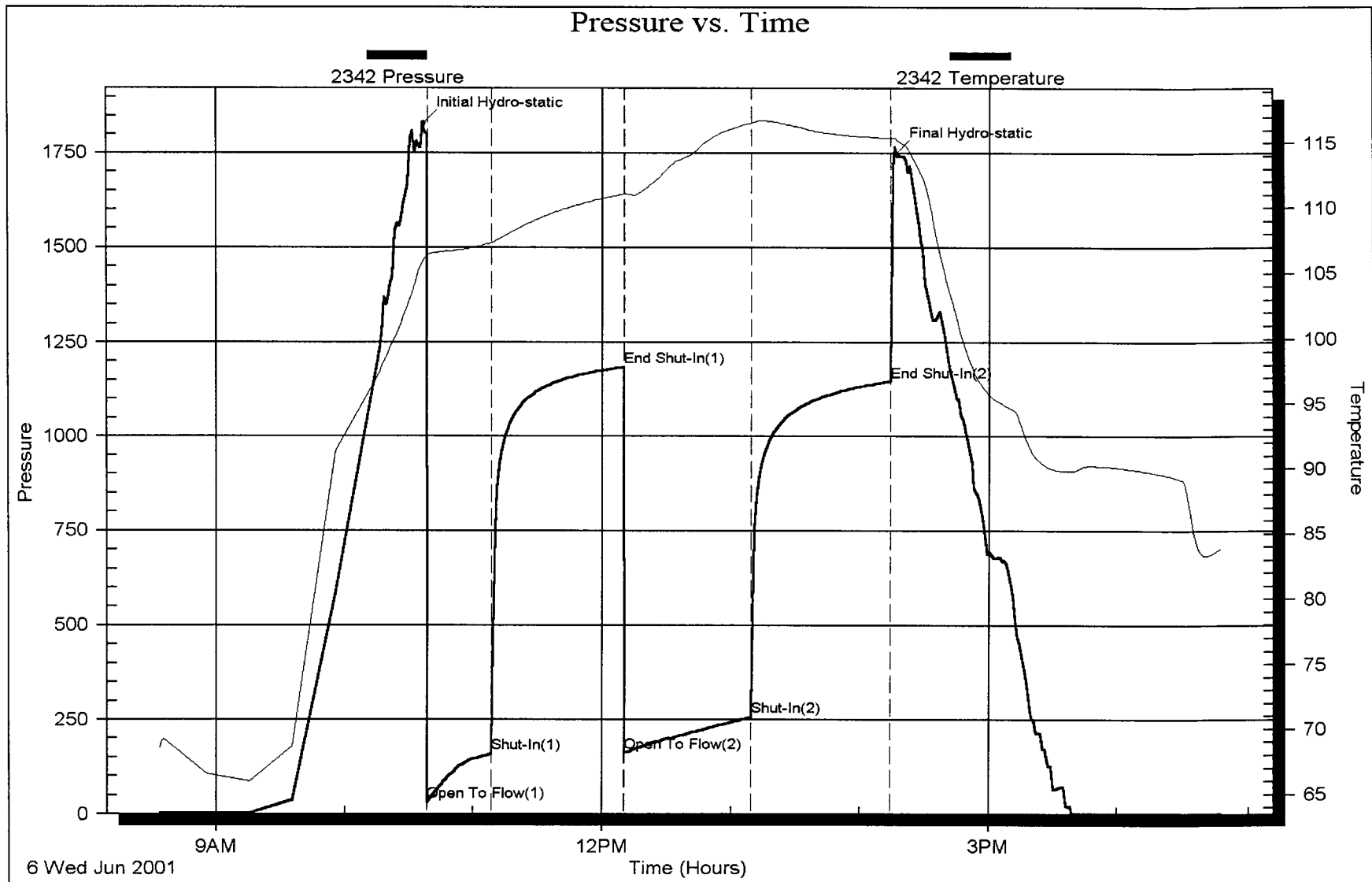
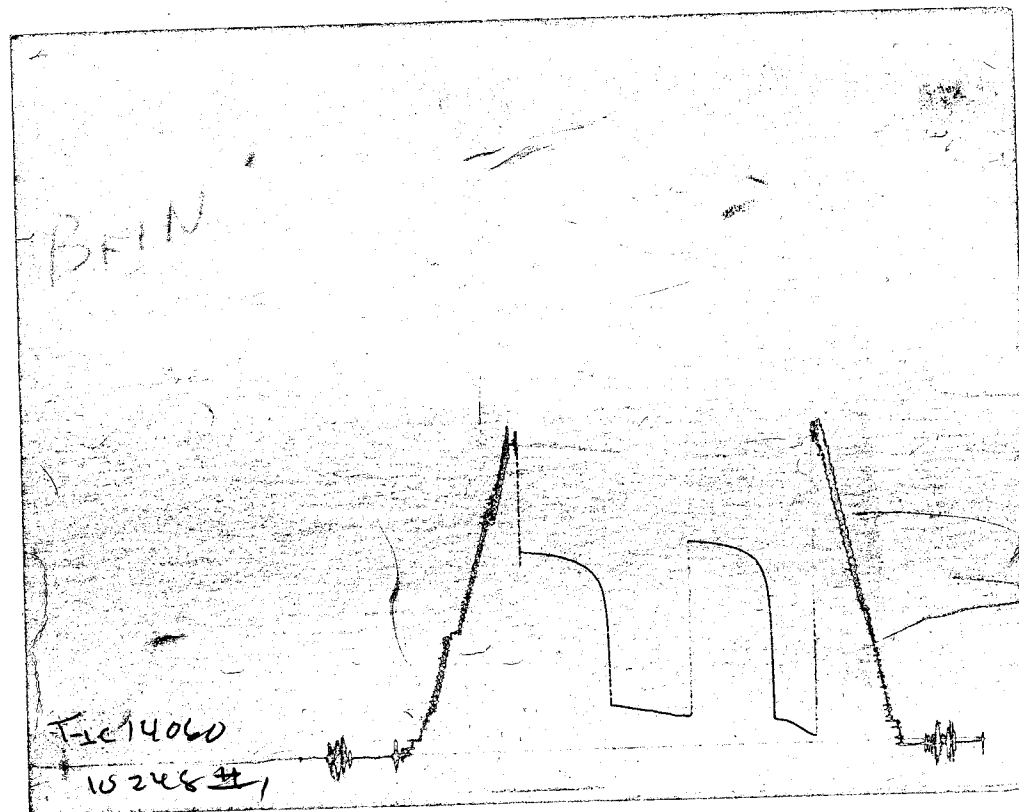


CHART PAGE

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



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 14060

Test Ticket

Well Name & No.	<u>Hudson #1-1</u>	Test No.	<u>1</u>	Date	<u>6-6-2001</u>
Company	<u>Alamogordo Energy LLC</u>	Zone Tested	<u>Douglas Jd.</u>		
Address	<u>150 N. Main Ste. 801, Wichita, KS. 67202</u>	Elevation	<u>1784</u>	KB	<u>1779</u> GL
Co. Rep / Geo.	<u>Steve Davis</u>	Cont.	<u>Mallard JV #1</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>1</u>	Twp.	<u>31 S</u>	Rge.	<u>11 W</u> Co. <u>Darwin</u> State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>3784 - 3822</u>	Initial Str Wt./Lbs.	<u>56,000</u>	Unseated Str Wt./Lbs.	<u>57,000</u>
Anchor Length	<u>58</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>66,000</u>
Top Packer Depth	<u>3759</u>	Tool Weight	<u>2,100</u>		
Bottom Packer Depth	<u>3784</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>3822</u>	Wt. Pipe Run	<u>None</u>	Drill Collar Run	<u>240</u>
Mud Wt.	<u>8.9</u> LCM <u>~</u> Vis. <u>4S</u> WL <u>11.0 cc</u>	Drill Pipe Size	<u>4 1/2" x 14</u>	Ft. Run	<u>3522</u>
Blow Description	<u>IF: Weak to gain below. Slow increase to 8".</u>				
	<u>ISI: No below.</u>				
	<u>FF: Fair below slow increase to 14". FSI: No below.</u>				

Recovery — Total Feet	<u>475</u>	GIP	<u>0</u>	Ft. in DC	<u>240</u>	Ft. in DP	<u>235</u>
Rec.	<u>110</u>	Feet Of	<u>Heavy Mud</u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u>125</u>	Feet Of	<u>WM</u>	%gas	<u> </u>	%oil	<u>26</u>
Rec.	<u>240</u>	Feet Of	<u>MW</u>	%gas	<u> </u>	%oil	<u>84</u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
BHT	<u>113</u>	°F Gravity	<u>N/A</u>	°API D@	<u> </u>	°F Corrected Gravity	<u>N/A</u>
RW	<u>0.09</u>	@	<u>21</u>	°F Chlorides	<u>91,000</u>	ppm Recovery	<u>5,000</u>
				Chlorides	<u>5,000</u>	ppm System	<u> </u>

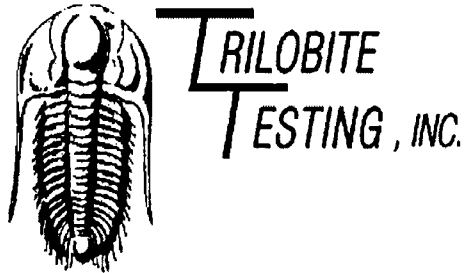
(A) Initial Hydrostatic Mud	AK-1	Alpine	<u>1830</u>	PSI Recorder No.	<u>2342</u>	T-On Location	<u>0510</u>
(B) First Initial Flow Pressure			<u>33</u>	PSI (depth)	<u>3765</u>	T-Started	<u>0615 alp 0833</u>
(C) First Final Flow Pressure			<u>161</u>	PSI Recorder No.	<u>10248</u>	T-Open	<u>1038</u>
(D) Initial Shut-In Pressure			<u>1185</u>	PSI (depth)	<u>3817</u>	T-Pulled	<u>1414</u>
(E) Second Initial Flow Pressure			<u>160</u>	PSI Recorder No.	<u> </u>	T-Out	<u>1646</u>
(F) Second Final Flow Pressure			<u>258</u>	PSI (depth)	<u> </u>	T-Off Location	<u>1730</u>
(G) Final Shut-in Pressure			<u>1148</u>	PSI Initial Opening	<u>30</u>	Test	<u>✓ 700⁰⁰</u>
(Q) Final Hydrostatic Mud			<u>1749</u>	PSI Initial Shut-in	<u>60</u>	Jars	<u> </u>
				Final Flow	<u>60</u>	Safety Joint	<u>✓ 50⁰⁰</u>
				Final Shut-in	<u>60</u>	Straddle	<u> </u>
					<u>5</u>	Circ. Sub	<u> </u>
						Sampler	<u> </u>

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Approved By Steve Davis

Our Representative Gary Watson

Extra Packer
Elec. Rec. ✓ 1800⁰⁰
Mileage ✓ 4000⁰⁰
Other STAND BY ✓ 9000⁰⁰
TOTAL PRICE \$ ✓ 1030⁰⁰



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

150 N.Main Ste.801
Wichita Ks. 67202

ATTN: Steve Davis

1-31s-11w Barber Ks

Hudson #1-1

Start Date: 2001.06.08 @ 14:18:31

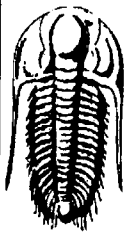
End Date: 2001.06.08 @ 21:53:30

Job Ticket #: 14061 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy LLC

150 N.Main Ste.801
Wichita Ks. 67202

ATTN: Steve Davis

Hudson #1-1

1-31s-11w Barber Ks

Job Ticket: 14061

DST#:2

Test Start: 2001.06.08 @ 14:18:31

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:14:00

Time Test Ended: 21:53:30

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 13

Interval: **4455.00 ft (KB) To 4514.00 ft (KB) (TVD)**

Total Depth: 4514.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1784.00 ft (KB)

1779.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **2342** Inside

Press@RunDepth: 61.68 psig @ 4456.00 ft (KB)

Start Date: 2001.06.08

End Date:

2001.06.08

Start Time: 14:18:31

End Time:

21:53:30

Capacity: 7000.00 psig

Last Calib.: 2001.01.04

Time On Btm: 2001.06.08 @ 16:12:00

Time Off Btm: 2001.06.08 @ 19:47:30

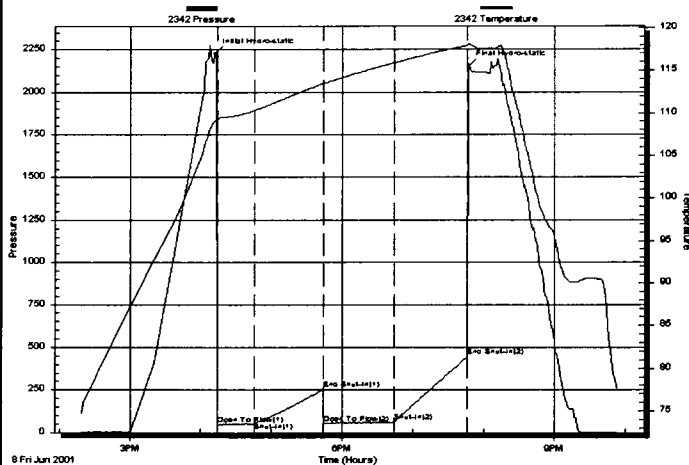
TEST COMMENT: IF:Weak blow . Slow increase to 4".

IS:No blow .

FF:Fair blow . 5 - 13".

FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

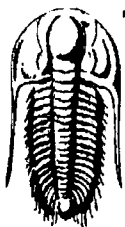
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.94	109.03	Initial Hydro-static
2	43.80	109.32	Open To Flow (1)
34	52.95	110.34	Shut-In(1)
92	252.87	113.47	End Shut-In(1)
92	49.17	113.49	Open To Flow (2)
152	61.68	115.91	Shut-In(2)
214	443.21	117.95	End Shut-In(2)
216	2156.68	118.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Slight gas cut mud 3%G 97%M	0.34
0.00	200 Ft. Gas in pipe	0.00

Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC

Hudson #1-1

150 N.Main Ste.801
Wichita Ks. 67202

1-31s-11w Barber Ks

Job Ticket: 14061

DST#: 2

ATTN: Steve Davis

Test Start: 2001.06.08 @ 14:18:31

Tool Information

Drill Pipe:	Length: 4205.00 ft	Diameter: 3.80 inches	Volume: 58.99 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 72000.00 lb
			Total Volume: 60.17 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4455.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4434.00	
S.I. Tool	5.00			4439.00	
HMV	5.00			4444.00	
Safety Joint	2.00			4446.00	
Packer	4.00			4450.00	22.00 Bottom Of Top Packer
Packer	5.00			4455.00	
Stubb	1.00			4456.00	
Recorder	0.00	2342	Inside	4456.00	
Perforations	19.00			4475.00	
C.O. Sub	1.00			4476.00	
Blank Spacing	32.00			4508.00	
C.O. Sub	1.00			4509.00	
Recorder	0.00	10248	Outside	4509.00	
Bullnose	5.00			4514.00	59.00 Bottom Packers & Anchor

Total Tool Length: 81.00

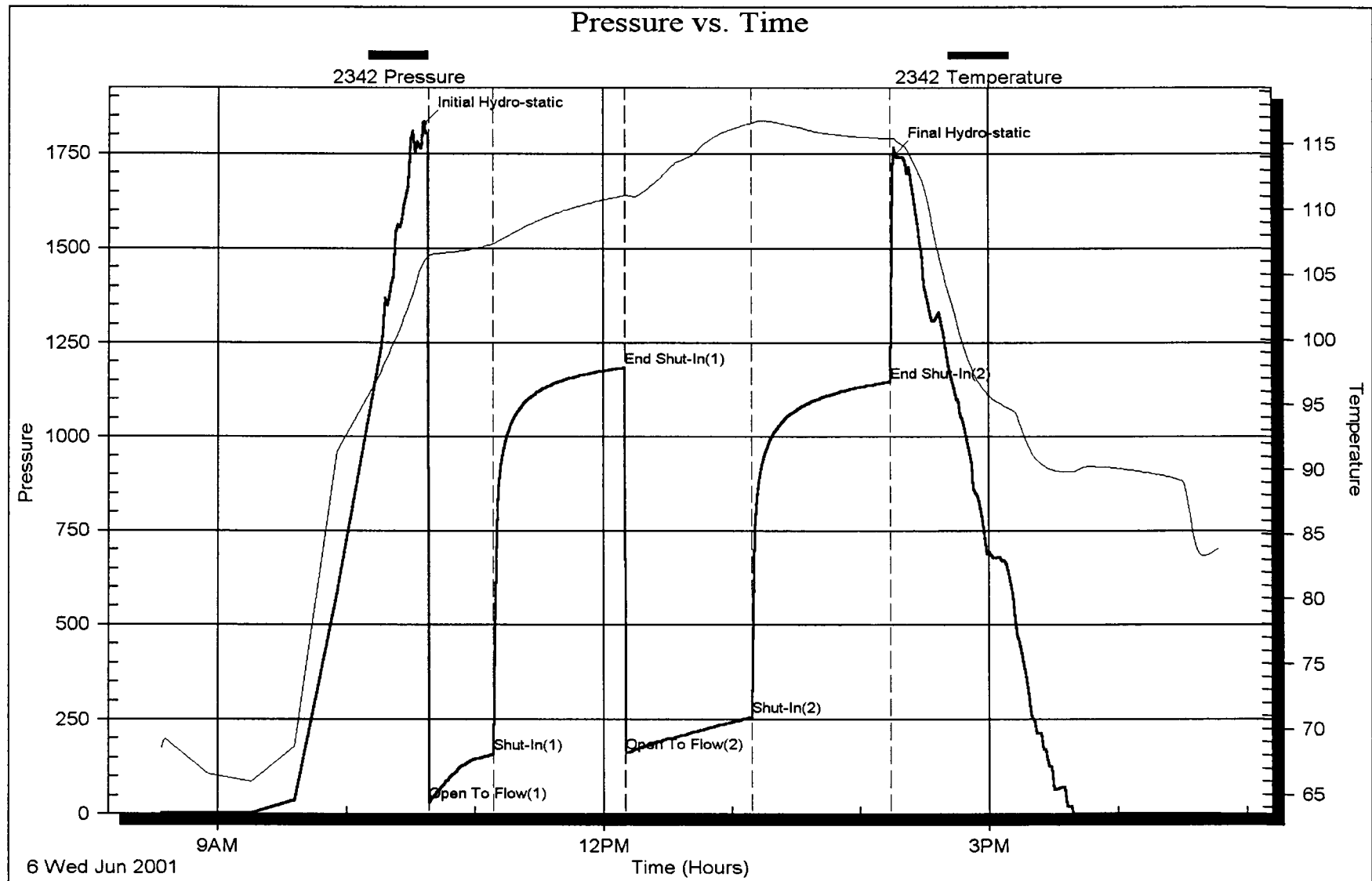
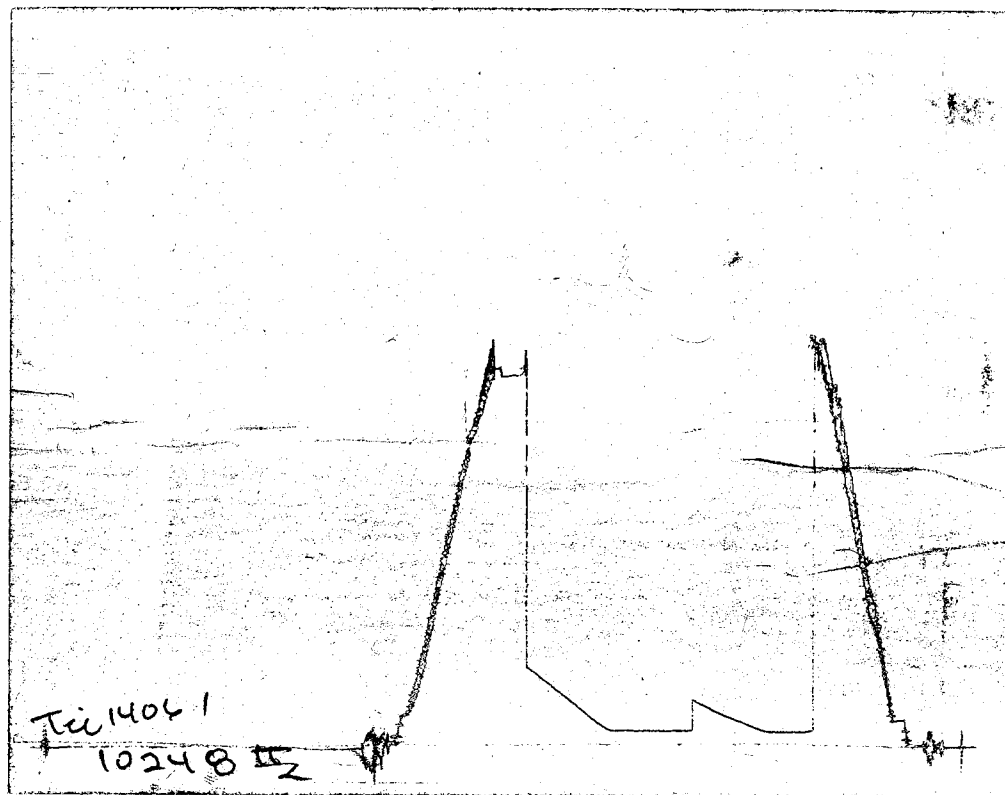


CHART PAGE

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



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 14061

Test Ticket

Well Name & No.	Hudson # 1-1	Test No.	2	Date	6-8-2001
Company	Alberton Energy LLC	Zone Tested	Miss.		
Address	150 N. Main St. 801, Wichita Ks. 67202	Elevation	1784	KB	1779 GL
Co. Rep / Geo.	Steve Davis	Cont.	Mallard IV #1	Est. Ft. of Pay	Por. %
Location: Sec.	1	Twp.	31 S	Rge.	11 W
		Co.	Barber	State	Ks.
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested 4455 - 4514' Initial Str Wt./Lbs. 57,000 Unseated Str Wt./Lbs. 57,000
Anchor Length 59' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 12,000
Top Packer Depth 4450' Tool Weight 2100#
Bottom Packer Depth 4455' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 4514' Wt. Pipe Run None Drill Collar Run 240
Mud Wt. 9.4 LCM — Vis. SS WL 11.24 Drill Pipe Size 4 1/2" X-H. Ft. Run 4205'
Blow Description IF: weak below. slow increase to 4". ISI: No below.

FF: Fair below. S-13" FSI: No below.

Recovery — Total Feet 70' GIP 200' Ft. in DC 70 Ft. in DP —
Rec. 70 Feet Of 66CM. 3 %gas %oil %water 97 %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 N/A °API D@ — °F Corrected Gravity N/A °API
RW N.C. @ — °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		<u>2228</u>	PSI	Recorder No. <u>2342</u>	T-On Location	<u>1350</u>
(B) First Initial Flow Pressure		<u>44</u>	PSI	(depth) <u>4456'</u>	T-Started	<u>1418</u>
(C) First Final Flow Pressure		<u>53</u>	PSI	Recorder No. <u>10248</u>	T-Open	<u>1619</u>
(D) Initial Shut-in Pressure		<u>253</u>	PSI	(depth) <u>4509'</u>	T-Pulled	<u>1948</u>
(E) Second Initial Flow Pressure		<u>49</u>	PSI	Recorder No. <u>—</u>	T-Out	<u>2153</u>
(F) Second Final Flow Pressure		<u>62</u>	PSI	(depth) <u>—</u>	T-Off Location	<u>2300</u>
(G) Final Shut-in Pressure		<u>443</u>	PSI	Initial Opening <u>30</u>	Test	☒ 800
(Q) Final Hydrostatic Mud		<u>2157</u>	PSI	Initial Shut-in <u>60</u>	Jars	
				Final Flow <u>60</u>	Safety Joint	☒ 50
				Final Shut-in <u>60</u>	Straddle	
					Circ. Sub	
					Sampler	
					Extra Packer	
					Elec. Rec.	☒ 150
					Mileage	☒ 40
					Other	
					TOTAL PRICE \$	<u>✓ 1040.00</u>

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 Craig P. [Signature]