

DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC.**

150 N. Main Ste #801
Wichita KS 67202-1383

ATTN: Jon Christensen

12-28S-33W Haskell

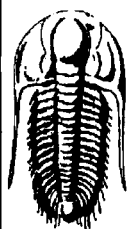
Cox #1-12

Start Date: 2005.03.05 @ 05:30:03

End Date: 2005.03.05 @ 15:01:18

Job Ticket #: 20440 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 67202-1383

ATTN: Jon Christensen

Cox #1-12

12-28S-33W Haskell

Job Ticket: 20440

DST#: 1

Test Start: 2005.03.05 @ 05:30:03

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 07:55:48

Time Test Ended: 15:01:18

Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Interval: **4835.00 ft (KB) To 4868.00 ft (KB) (TVD)**

Total Depth: **4868.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2973.00 ft (KB)**

2961.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **78.13 psig @ 4836.00 ft (KB)**

Start Date: **2005.03.05**

End Date:

2005.03.05

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **05:30:08**

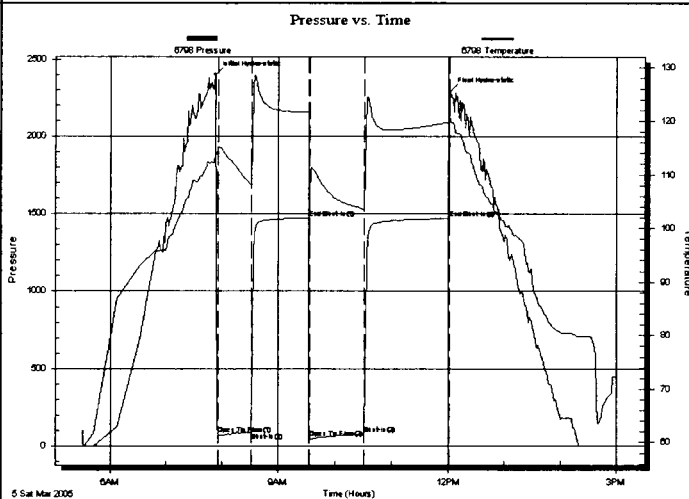
End Time:

15:01:18

Time On Btm: **2005.03.05 @ 07:52:48**

Time Off Btm: **2005.03.05 @ 12:02:18**

TEST COMMENT: **IF; Strong blow off btm in 1 min. GTS @ 9 mins**
IS; No return blow
FF; Strong gauged 27#psi on 1/8" = 15.495 mcf/day
FS; No return blow



PRESSURE SUMMARY

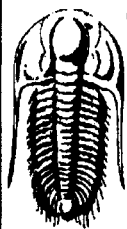
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2398.65	112.21	Initial Hydro-static
3	79.13	114.82	Open To Flow (1)
39	90.87	108.00	Shut-In(1)
100	1471.13	121.56	End Shut-In(1)
101	54.57	106.27	Open To Flow (2)
159	78.13	103.37	Shut-In(2)
249	1469.47	119.72	End Shut-In(2)
250	2290.60	120.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drig. Mud	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	19.00	12.50
Last Gas Rate	0.13	27.00	15.50
Max. Gas Rate	0.13	27.00	15.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 20440

DST#: 1

ATTN: Jon Christensen

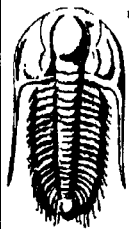
Test Start: 2005.03.05 @ 05:30:03

Tool Information

Drill Pipe:	Length: 4457.00 ft	Diameter: 3.80 inches	Volume: 62.52 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose:	100000.0 lb
			Total Volume: 64.34 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	90000.00 lb
Depth to Top Packer:	4835.00 ft			Final	90000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	33.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4819.00	
Hydraulic tool	5.00			4824.00	
Safety Joint	2.00			4826.00	
Packer	5.00			4831.00	21.00 Bottom Of Top Packer
Packer	4.00			4835.00	
Stubb	1.00			4836.00	
Recorder	0.00	6798	Inside	4836.00	
Perforations	27.00			4863.00	
Recorder	0.00	13309	Outside	4863.00	
Bullnose	5.00			4868.00	33.00 Bottom Packers & Anchor
Total Tool Length:		54.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 20440

DST#: 1

ATTN: Jon Christensen

Test Start: 2005.03.05 @ 05:30:03

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:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drlg. Mud	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

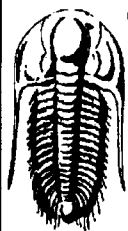
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 20440

DST#: 1

ATTN: Jon Christensen

Test Start: 2005.03.05 @ 05:30:03

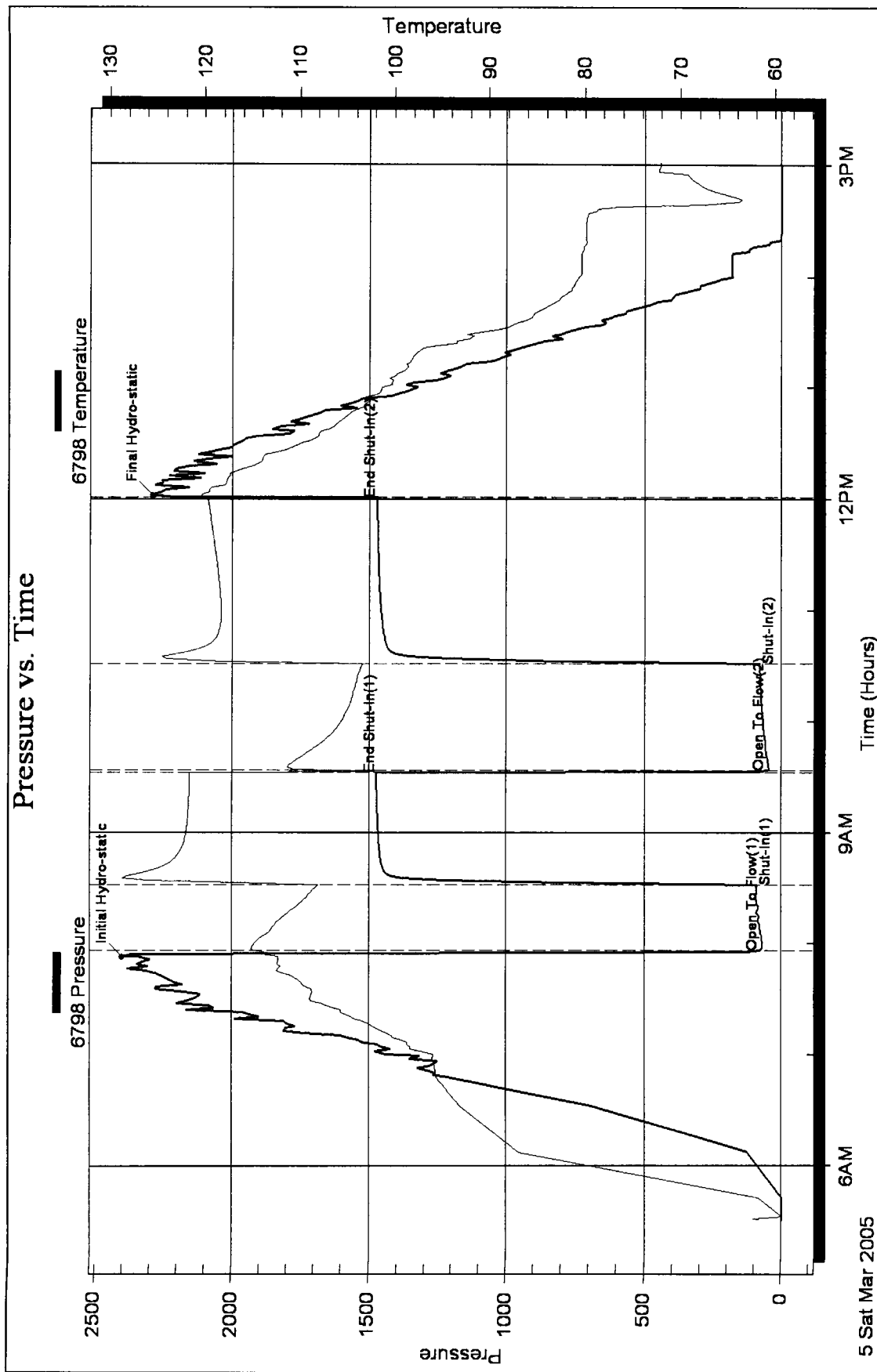
Gas Rates Information

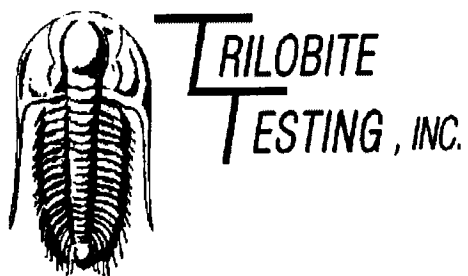
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.13	19.00	12.50
1	20	0.13	25.00	14.75
1	30	0.13	27.00	15.50
2	10	0.13	21.00	13.25
2	20	0.13	26.00	15.12
2	30	0.13	27.00	15.50
2	40	0.13	27.00	15.50
2	50	0.13	27.00	15.50
2	60	0.13	27.00	15.50

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC.**

150 N. Main Ste #801
Wichita KS 67202-1383

ATTN: Jon Christensen

12-28S-33W Haskell

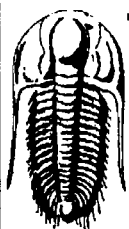
Cox #1-12

Start Date: 2005.03.06 @ 16:27:35

End Date: 2005.03.07 @ 02:22:20

Job Ticket #: 20441 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 67202-1383

ATTN: Jon Christensen

Cox #1-12

12-28S-33W Haskell

Job Ticket: 20441

DST#: 2

Test Start: 2005.03.06 @ 16:27:35

GENERAL INFORMATION:

Formation: **Atoka**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:16:05

Time Test Ended: 02:22:20

Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Interval: **4997.00 ft (KB) To 5052.00 ft (KB) (TVD)**

Total Depth: **5052.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2973.00 ft (KB)**

2961.00 ft (CF)

KB to GRVCF: **12.00 ft**

Serial #: **6798**

Inside

Press@RunDepth: **15.85 psig @ 4998.00 ft (KB)**

Start Date: **2005.03.06**

End Date:

2005.03.07

Start Time: **16:27:40**

End Time:

02:22:20

Capacity: **7000.00 psig**

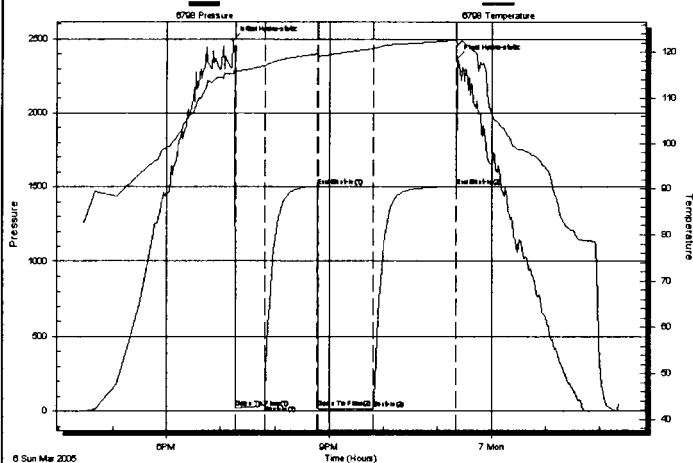
Last Calib.: **1899.12.30**

Time On Btm: **2005.03.06 @ 19:13:05**

Time Off Btm: **2005.03.06 @ 23:22:05**

TEST COMMENT: IF; Strong blow off btm in 3 mins
IS; No return blow
FF; Strong off btm immed. GTS @ 10 mins (TSTM)
FS; No return blow

Pressure vs. Time



PRESSURE SUMMARY

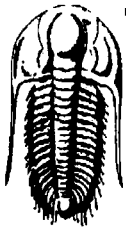
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2492.58	115.25	Initial Hydro-static
3	23.09	115.89	Open To Flow (1)
36	41.13	116.97	Shut-In(1)
94	1503.43	119.59	End Shut-In(1)
95	17.76	119.18	Open To Flow (2)
156	15.85	120.68	Shut-In(2)
248	1502.81	122.61	End Shut-In(2)
249	2371.67	121.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig. Mud	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 20441

DST#: 2

ATTN: Jon Christensen

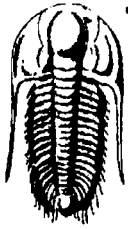
Test Start: 2005.03.06 @ 16:27:35

Tool Information

Drill Pipe:	Length: 4611.00 ft	Diameter: 3.80 inches	Volume: 64.68 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose:	105000.0 lb
			Total Volume: 66.50 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	90000.00 lb
Depth to Top Packer:	4997.00 ft			Final	90000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.00 ft				
Tool Length:	76.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4981.00	
Hydraulic tool	5.00			4986.00	
Safety Joint	2.00			4988.00	
Packer	5.00			4993.00	21.00 Bottom Of Top Packer
Packer	4.00			4997.00	
Stubb	1.00			4998.00	
Recorder	0.00	6798	Inside	4998.00	
Perforations	16.00			5014.00	
Change Over Sub	1.00			5015.00	
Anchor	31.00			5046.00	
Change Over Sub	1.00			5047.00	
Recorder	0.00	13309	Outside	5047.00	
Bullnose	5.00			5052.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 20441

DST#: 2

ATTN: Jon Christensen

Test Start: 2005.03.06 @ 16:27:35

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig. Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

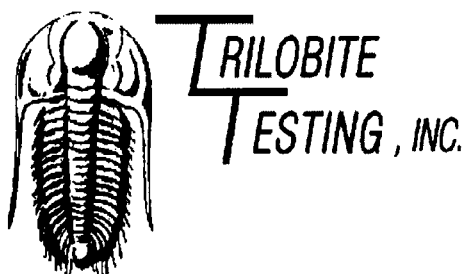
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC.**

150 N. Main Ste #801
Wichita KS 67202-1383

ATTN: Jon Christensen

12-28S-33W Haskell

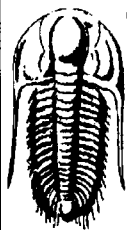
Cox #1-12

Start Date: 2005.03.07 @ 22:37:28

End Date: 2005.03.08 @ 07:05:07

Job Ticket #: 20442 DST #: 3

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 67202-1383

ATTN: Jon Christensen

Cox #1-12

12-28S-33W Haskell

Job Ticket: 20442

DST#: 3

Test Start: 2005.03.07 @ 22:37:28

GENERAL INFORMATION:

Formation: **Upper Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:08:38

Time Test Ended: 07:05:07

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: **5141.00 ft (KB) To 5203.00 ft (KB) (TVD)**

Total Depth: 5203.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)

2961.00 ft (CF)

KB to GRVCF: 12.00 ft

Serial #: **6798**

Inside

Press@RunDepth: 34.05 psig @ 5142.00 ft (KB)

Start Date: 2005.03.07

End Date:

2005.03.08

Start Time: 22:37:28

End Time:

07:05:07

Capacity: 7000.00 psig

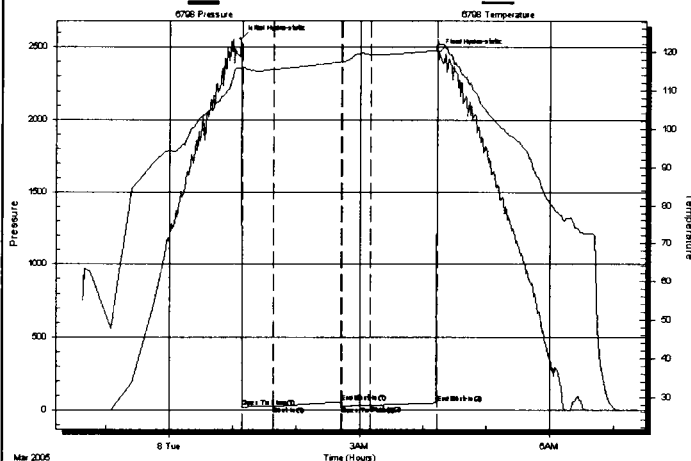
Last Calib.: 1899.12.30

Time On Btm: 2005.03.08 @ 01:06:53

Time Off Btm: 2005.03.08 @ 04:14:38

TEST COMMENT: IF; Weak surface blow died in 20 mins
FF; No return blow

Pressure vs. Time



PRESSURE SUMMARY

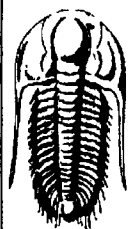
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2556.29	115.80	Initial Hydro-static
2	21.52	115.54	Open To Flow (1)
32	26.94	115.49	Shut-In(1)
96	56.73	117.50	End Shut-In(1)
97	27.44	117.42	Open To Flow (2)
124	34.05	119.37	Shut-In(2)
187	50.63	120.47	End Shut-In(2)
188	2464.91	122.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig. Mud	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 20442

DST#: 3

ATTN: Jon Christensen

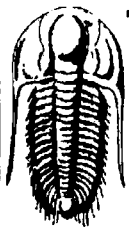
Test Start: 2005.03.07 @ 22:37:28

Tool Information

Drill Pipe:	Length: 4763.00 ft	Diameter: 3.80 inches	Volume: 66.81 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 110000.0 lb
			Total Volume: 68.63 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	5141.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5120.00	
Hydraulic tool	5.00			5125.00	
Jars	5.00			5130.00	
Safety Joint	2.00			5132.00	
Packer	5.00			5137.00	26.00 Bottom Of Top Packer
Packer	4.00			5141.00	
Stubb	1.00			5142.00	
Recorder	0.00	6798	Inside	5142.00	
Perforations	23.00			5165.00	
Change Over Sub	1.00			5166.00	
Anchor	31.00			5197.00	
Change Over Sub	1.00			5198.00	
Recorder	0.00	13309	Outside	5198.00	
Bullnose	5.00			5203.00	62.00 Bottom Packers & Anchor

Total Tool Length: 88.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 20442

DST#: 3

ATTN: Jon Christensen

Test Start: 2005.03.07 @ 22:37:28

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:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drlg. Mud	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

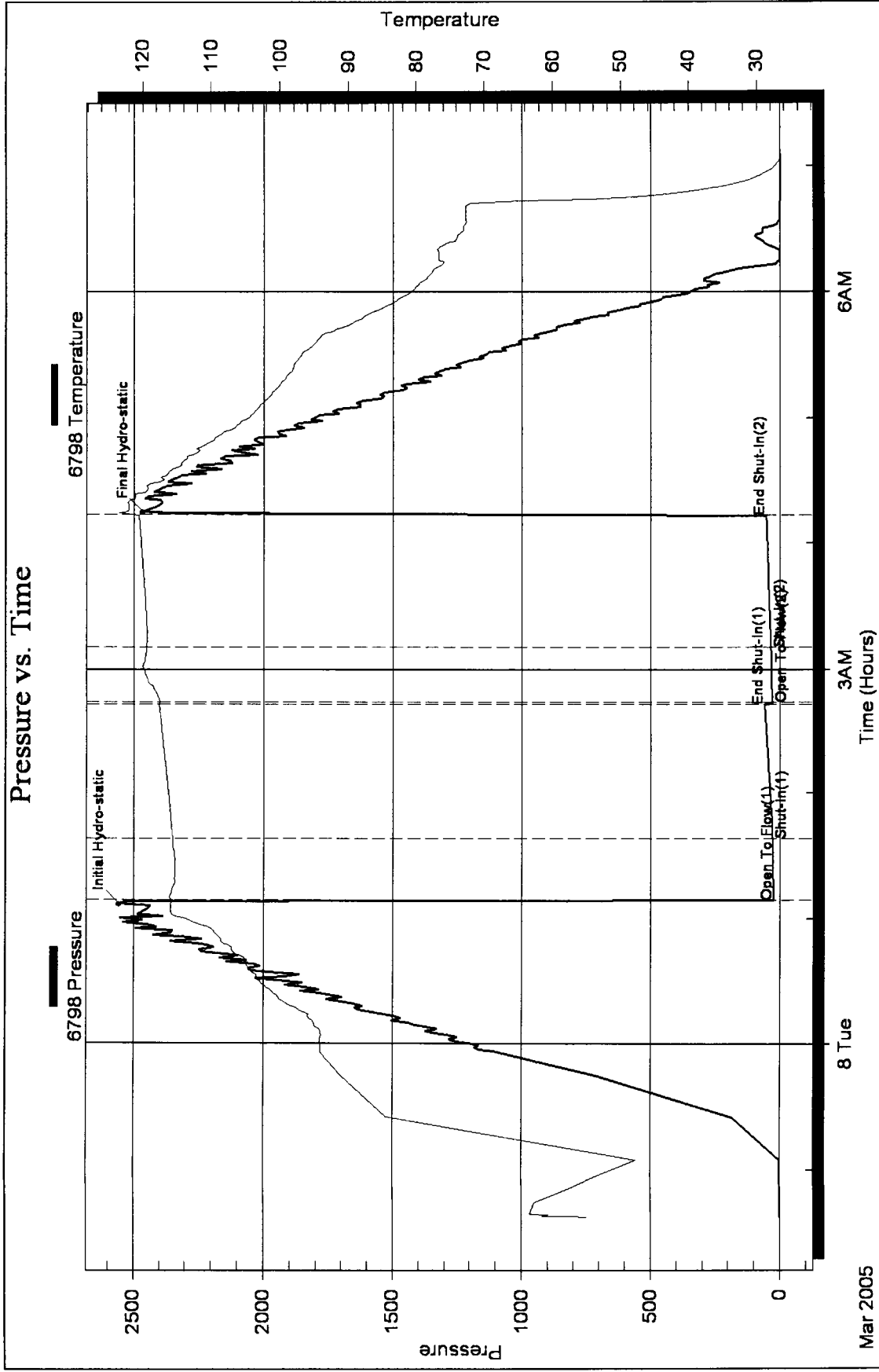
Num Gas Bombs: 0

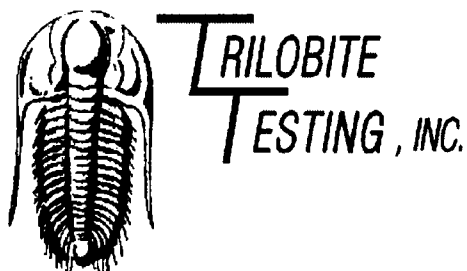
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC.**

150 N. Main Ste #801
Wichita KS 67202-1383

ATTN: Jon Christensen

12-28S-33W Haskell

Cox #1-12

Start Date: 2005.03.09 @ 04:07:40

End Date: 2005.03.09 @ 18:53:10

Job Ticket #: 21812 DST #: 4

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 67202-1383

ATTN: Jon Christensen

Cox #1-12

12-28S-33W Haskell

Job Ticket: 21812

DST#: 4

Test Start: 2005.03.09 @ 04:07:40

GENERAL INFORMATION:

Formation: **Chester Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:04:40

Time Test Ended: 18:53:10

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 15

Interval: 5311.00 ft (KB) To 5355.00 ft (KB) (TVD)

Total Depth: 5355.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2973.00 ft (KB)

2961.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6769 Inside

Press@RunDepth: 1394.11 psig @ 5313.00 ft (KB)

Start Date: 2005.03.09

End Date: 2005.03.09

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 04:07:42

End Time: 18:53:10

Time On Btm: 2005.03.09 @ 07:02:25

Time Off Btm: 2005.03.09 @ 11:10:55

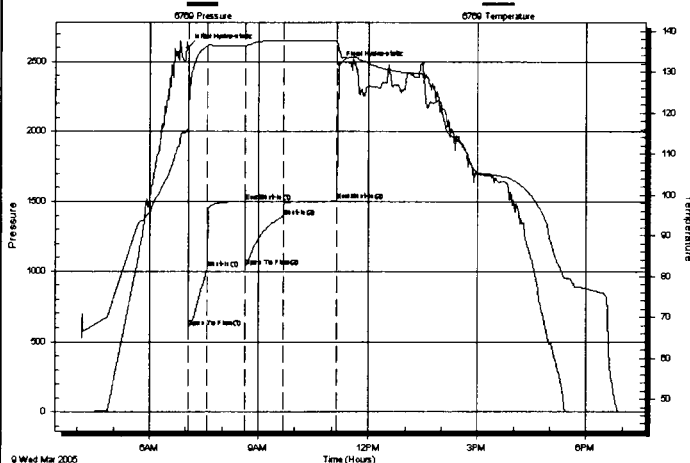
TEST COMMENT: IF- Strong blow BOB 1min, GTS 6 min.

IS- Good blow BOB 5 min.

FF- BOB GTS ASAO.

FS- Good blow BOB 1 min.

Pressure vs. Time



PRESSURE SUMMARY

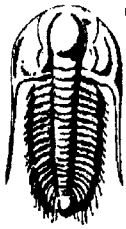
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2597.81	115.88	Initial Hydro-static
3	600.50	120.80	Open To Flow (1)
34	1016.75	136.35	Shut-In (1)
96	1502.04	136.43	End Shut-In (1)
97	1033.79	136.10	Open To Flow (2)
158	1394.11	137.62	Shut-In (2)
247	1504.20	137.63	End Shut-In (2)
249	2480.07	135.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4060.00	70% oil. API @ 28. 30% gas.	53.60
62.00	10% oil 10% salt water, 80% mud.	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	10.00	9.13
Max. Gas Rate	0.13	10.00	9.13



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 21812

DST#: 4

ATTN: Jon Christensen

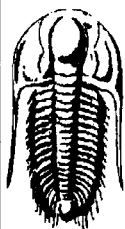
Test Start: 2005.03.09 @ 04:07:40

Tool Information

Drill Pipe:	Length: 4949.00 ft	Diameter: 3.80 inches	Volume: 69.42 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 368.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 114000.0 lb
			Total Volume: 71.23 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 98000.00 lb
Depth to Top Packer:	5311.00 ft			Final 112000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5285.00	
Shut In Tool	5.00			5290.00	
Hydraulic tool	5.00			5295.00	
Jars	5.00			5300.00	
Safety Joint	2.00			5302.00	
Packer	5.00			5307.00	27.00 Bottom Of Top Packer
Packer	4.00			5311.00	
Stubb	1.00			5312.00	
Perforations	1.00			5313.00	
Recorder	0.00	6769	Inside	5313.00	
Perforations	38.00			5351.00	
Recorder	0.00	6724	Outside	5351.00	
Bullnose	4.00			5355.00	44.00 Bottom Packers & Anchor

Total Tool Length: 71.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC.

Cox #1-12

150 N. Main Ste #801
Wichita KS 67202-1383

12-28S-33W Haskell

Job Ticket: 21812

DST#: 4

ATTN: Jon Christensen

Test Start: 2005.03.09 @ 04:07:40

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4060.00	70% oil. API @ 28. 30% gas.	53.599
62.00	10% oil 10% salt water, 80% mud.	0.870

Total Length: 4122.00 ft

Total Volume: 54.469 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

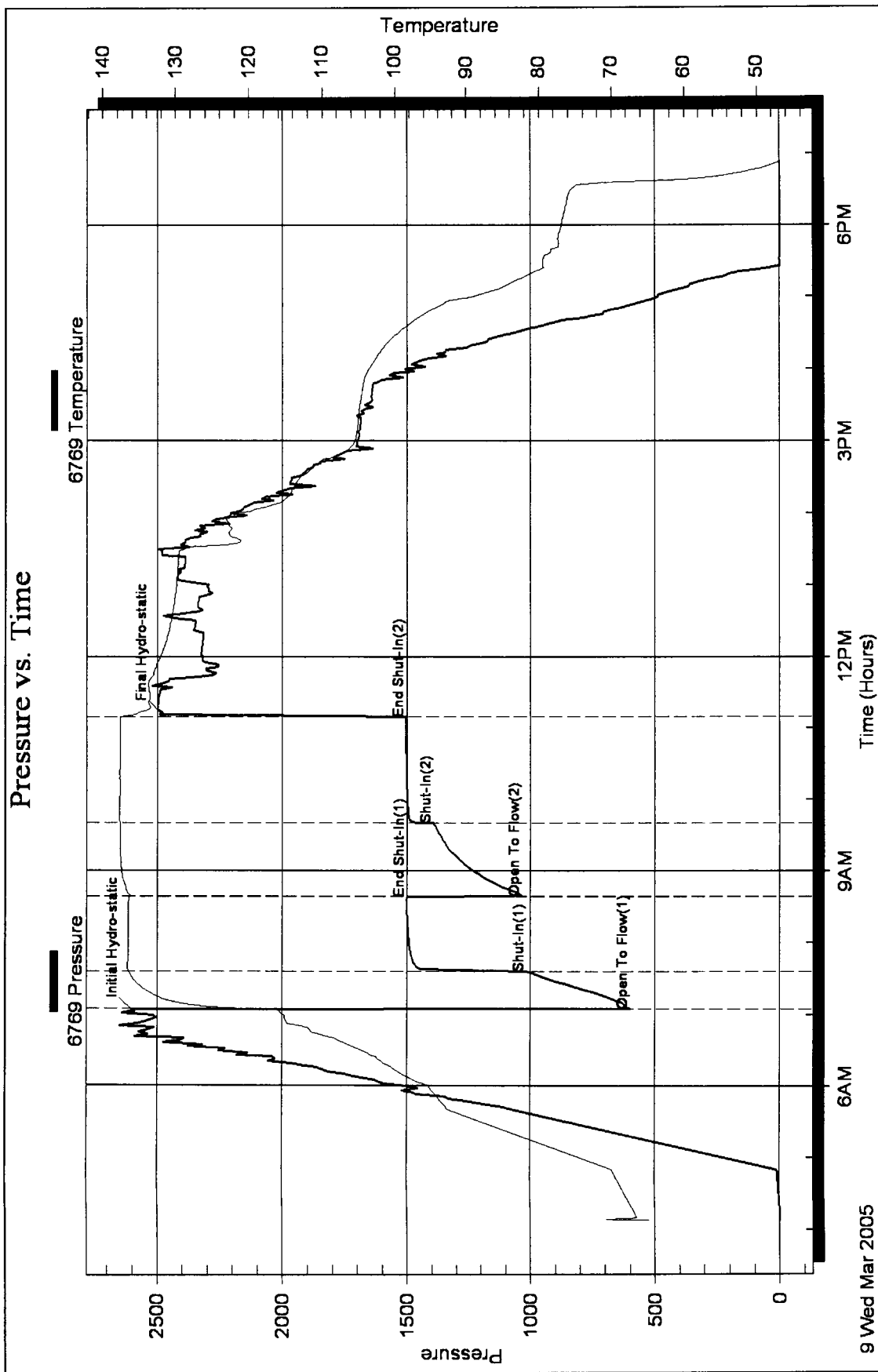
Serial #: XXX

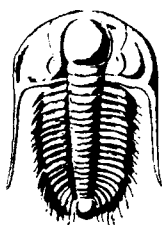
Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

7259

No 20440

05/03

Test Ticket

Well Name & No.	Cox #1-12	Test No.	1	Date	3-5-05
Company	Abercrombie Energy LLC	Zone Tested	Pawnee		
Address	150 N. Main Ste. 801 Wichita, KS 67202-1383	Elevation	2973	KB	2961 GL
Co. Rep / Geo.	Jon Christensen	Cont.	Abercrombie #8	Est. Ft. of Pay	Por. %
Location: Sec.	12	Twp.	28 ^S	Rge.	33 ^W Co. Haskell State KS.
No. of Copies	Disbtribution Sheet (Y, N)	Turnkey (Y, N)	Evaluation (Y, N)		

Interval Tested	4835 - 4868	Initial Str Wt./Lbs.	90,000	Unseated Str Wt/Lbs.	90,000
Anchor Length	33'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	100,000
Top Packer Depth	4830	Tool Weight	2,000		
Bottom Packer Depth	4835	Hole Size 7 7/8"		Rubber Size 6 3/4"	
Total Depth	4868	Wt. Pipe Run	—	Drill Collar Run	370'
Mud Wt.	9.0 LCM 3# Vis. 52 WL 7.2	Drill Pipe Size	4 1/2" XH	Ft. Run	4457'

Blow Description

IF: Strong off bttm 1 min. GTS @ 9 mins. ISI: No return
FF: Strong gauged 27* psi on 1/8" = 15.495 FSI: No return
mcf/day

Recovery - Total Feet	70'	GIP	GTS	Ft. in DC	70'	Ft. in DP	—
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.	70'	Feet of	Drilg. Mud	%gas	%oil	%water	100 %mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	119°	°F Gravity		°API D @		°F Corrected Gravity	
RW		@		°F Chlorides		ppm Recovery	

(A) Initial Hydrostatic Mud	AK-1	Alpine	2398 PSI	Recorder No.	6798	Test	1000
(B) First Initial Flow Pressure			79 PSI	(depth)	4836	Elec. Rec.	
(C) First Final Flow Pressure			90 PSI	Recorder No.	13309	Jars	
(D) Initial Shut-In Pressure			1471 PSI	(depth)	4863	Safety Jt.	X 50
(E) Second Initial Flow Pressure			54 PSI	Recorder No.		Circ Sub	X N/C
(F) Second Final Flow Pressure			78 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			1469 PSI	Initial Opening	30	Straddle	
(Q) Final Hydrostatic Mud			2290 PSI	Initial Shut-In	60	Ext. Packer	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED 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

Final Flow	60	Shale Packer	
Final Shut-In	90	Mileage	1 way 63 1/2
T-On Location	0415	Sub Total:	1150
T-Started	0530	Std. By	2 hrs 40
T-Open	0755	Other	
T-Pulled	1201	Total:	1215
T-Out	0805		



GAS VOLUME REPORT

Abercrombie Energy LLC.
OPERATOR

OPERATOR

Cox # 1-12

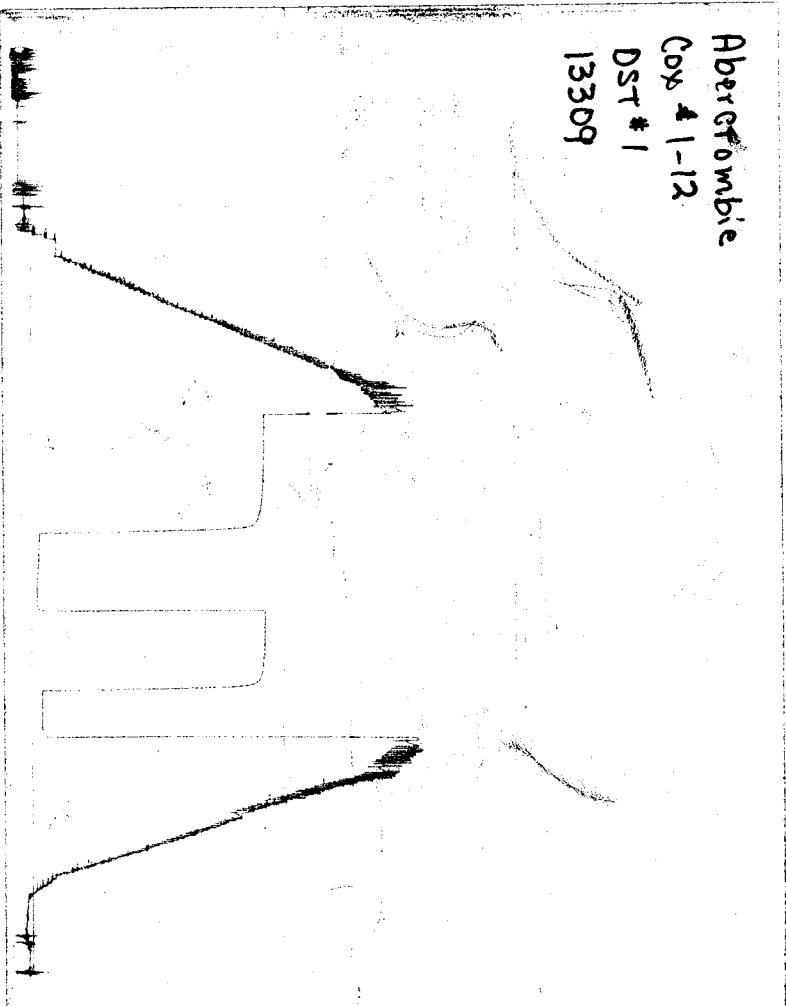
WELL NAME AND NO.

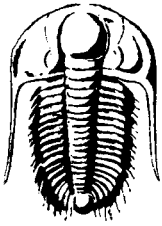
#

DST NO.

Remarks:

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20441

05/03

Test Ticket

Well Name & No. <u>Cox #1-12</u>	Test No. <u>2</u>	Date <u>3-6-05</u>
Company <u>Abercrombie Energy LLC.</u>	Zone Tested <u>Atoka</u>	
Address <u>150 N. Main Ste 801 Wichita, KS. 67202-</u>	Elevation <u>2973</u> KB <u>2961</u> GL	
Co. Rep / Geo. <u>Jon Christensen</u>	Cont. <u>Abercrombie #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>12</u> Twp. <u>28^S</u> Rge. <u>33^W</u> Co. <u>Haskell</u> State <u>KS.</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4997 - 5052</u>	Initial Str Wt./Lbs. <u>90,000</u>	Unseated Str Wt./Lbs. <u>90,000</u>
Anchor Length <u>55'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>105,000</u>
Top Packer Depth <u>4992</u>	Tool Weight <u>2,500</u>	
Bottom Packer Depth <u>4997</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>5052</u>	Wt. Pipe Run <u>—</u>	Drill Collar Run <u>370'</u>
Mud Wt. <u>9.3</u> LCM <u>3 1/2#</u> Vis. <u>54</u> WL <u>7.6</u>	Drill Pipe Size <u>4 1/2" XH</u>	Ft. Run <u>4611'</u>

Blow Description

IF: Strong blow off bttm 3 mins. 151': No return
 FF: Strong off bttm immed. GTS @ 10 mins. (TSTM) FSI: No return

Recovery - Total Feet <u>10'</u>	GIP <u>GTS</u>	Ft. in DC <u>10'</u>	Ft. in DP <u>—</u>
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
Rec. <u>10'</u> Feet of <u>Drilg. Mud</u>	%gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
BHT <u>122°</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides <u>1,500</u> ppm System			

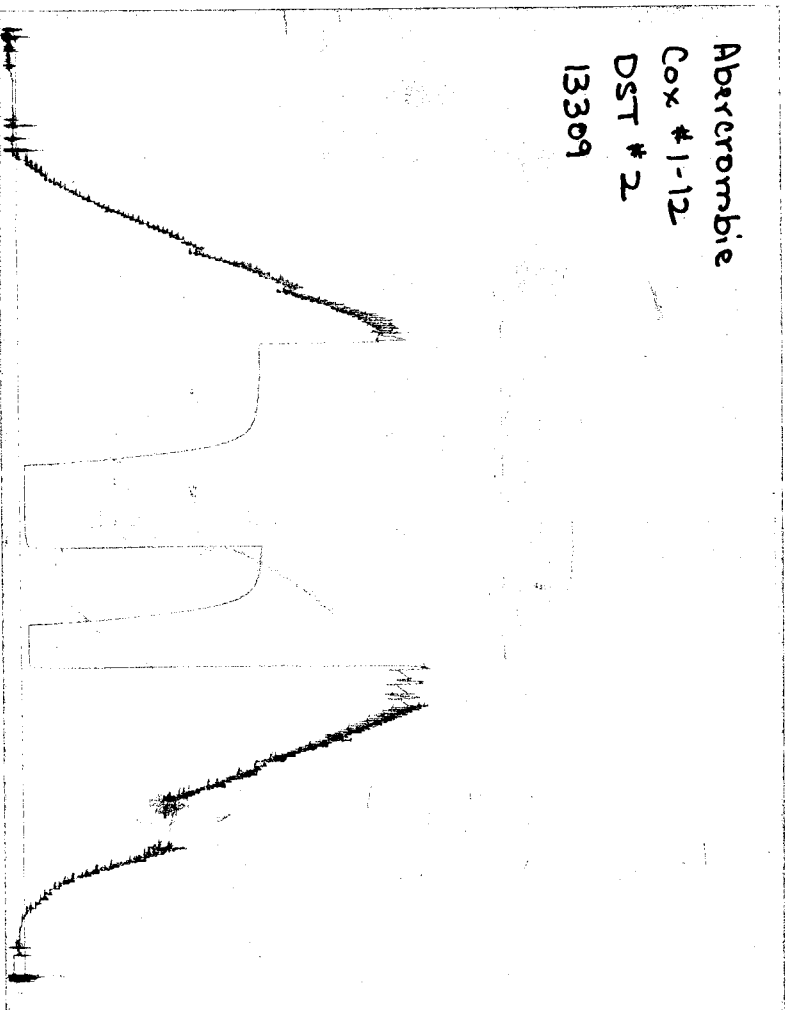
(A) Initial Hydrostatic Mud <u>AK-1</u> <u>2492</u> PSI	Recorder No. <u>6798</u>	Test <u>1100</u>
(B) First Initial Flow Pressure <u>23</u> PSI	(depth) <u>4997</u>	Elec. Rec. _____
(C) First Final Flow Pressure <u>41</u> PSI	Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure <u>1503</u> PSI	(depth) <u>5047</u>	Safety Jt. <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure <u>17</u> PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure <u>15</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure <u>1502</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud <u>2371</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
	Final Flow <u>60</u>	Shale Packer _____
	Final Shut-In <u>90</u>	Mileage <u>1 way 63.100</u>
	T-On Location <u>1515</u>	Sub Total: <u>1200</u>
	T-Started <u>1627</u>	Std. By _____
	T-Open <u>1916</u>	Other _____
	T-Pulled <u>2320</u>	Total: <u>800</u>
	T-Out <u>0222 3-7-05</u>	

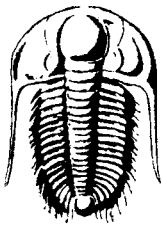
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST 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

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20442

05/03

Test Ticket

Well Name & No.	Cox #1-12	Test No.	3	Date	3-7-05
Company	Abercrombie Energy LLC.	Zone Tested	Upper Morrow		
Address	150 N. Main Ste. 801 Wichita, KS. 67202	Elevation	2973	KB	2961 GL
Co. Rep / Geo.	Jon Christensen	Cont.	Abercrombie #8	Est. Ft. of Pay	Por. %
Location: Sec.	12	Twp.	28 ^S	Rge.	33 ^W
		Co.	Haskell	State	KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	5141 - 5203	Initial Str Wt./Lbs.	90,000	Unseated Str Wt./Lbs.	90,000
Anchor Length	62'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	110,000
Top Packer Depth	5136	Tool Weight	2,500		
Bottom Packer Depth	5141	Hole Size	7 7/8"	Rubber Size	6 3/4"
Total Depth	5203	Wt. Pipe Run	—	Drill Collar Run	370'
Mud Wt.	9.0	Drill Pipe Size	4 1/2" XH	Ft. Run	475063'
LCM	2*				
Vis.	51				
WL	8.0				

Blow Description

IF: Weak surface blow died in 20 mins.

FF: No return blow.

Recovery - Total Feet	10'	GIP	—	Ft. in DC	10'	Ft. in DP	—
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.	10'	Feet of	Drlg. Mud	%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	120°	°F Gravity		°API D @		°F Corrected Gravity	
RW		@		°F	Chlorides	ppm Recovery	Chlorides 2,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	2556	PSI	Recorder No.	6798	Test
(B) First Initial Flow Pressure	21	PSI	(depth)	5142	Elec. Rec.
(C) First Final Flow Pressure	26	PSI	Recorder No.	13309	Jars
(D) Initial Shut-In Pressure	56	PSI	(depth)	5198	Safety Jt.
(E) Second Initial Flow Pressure	27	PSI	Recorder No.		Circ Sub
(F) Second Final Flow Pressure	34	PSI	(depth)		Sampler
(G) Final Shut-In Pressure	50	PSI	Initial Opening	30	Straddle
(Q) Final Hydrostatic Mud	2464	PSI	Initial Shut-In	60	Ext. Packer
			Final Flow	30	Shale Packer
			Final Shut-In	60	Mileage
			T-On Location	2215	Sub Total:
			T-Started	2237	Std. By
			T-Open	0108 3-8-05	Other
			T-Pulled	0413	Total:
			T-Out	0705	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED 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.

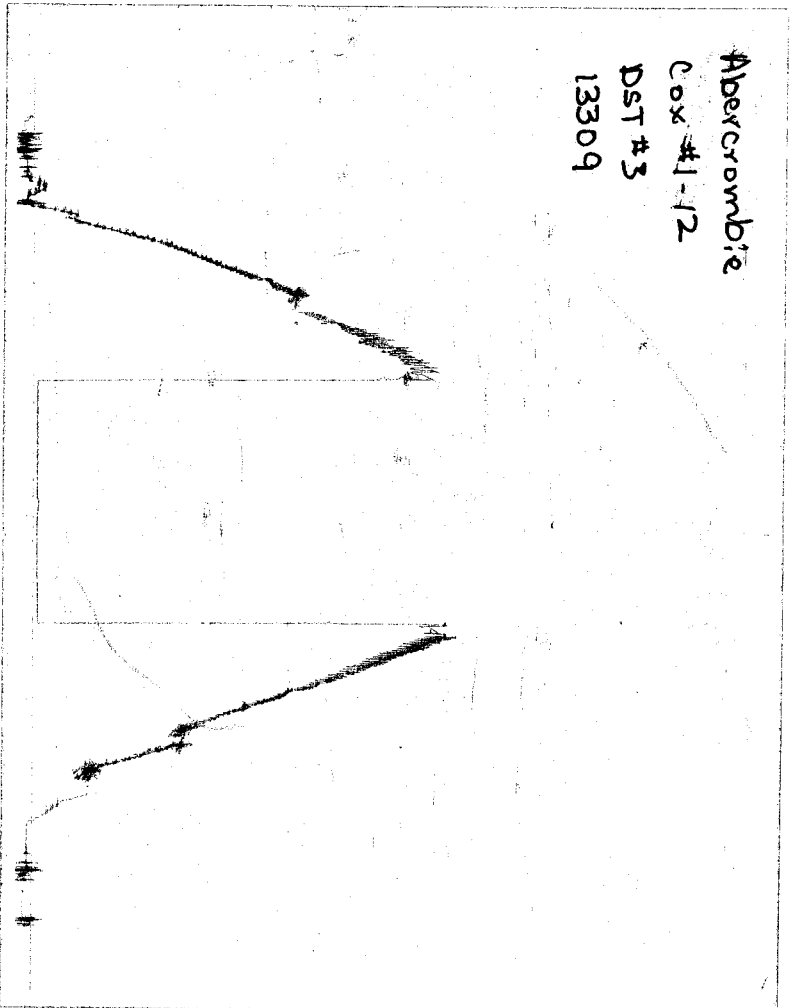
Approved By [Signature]

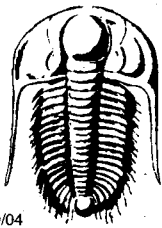
Our Representative Rod Steinbrink

67601

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21812

Test Ticket

Well Name & No. Cox 1-12 Test No. 4 Date 3/9/05
 Company Abercrombie Energy LLC Zone Tested Chester SS
 Address 150 N Main Suite 801 Wichita KS 67202 Elevation 2973 KB 2961 GL
 Co. Rep / Geo. Jon Christensen Cont. Aber #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 12 Twp. 28S Rge. 33W Co. Haskell State Ks
 No. of Copies 1 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5311-5355 Initial Str Wt./Lbs. 98K Unseated Str Wt./Lbs. 112
 Anchor Length 44 Wt. Set Lbs. 30K Wt. Pulled Loose/Lbs. 114
 Top Packer Depth 5306 Tool Weight 2000
 Bottom Packer Depth 5311 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5355 Wt. Pipe Run 0 Drill Collar Run 368
 Mud Wt. 9.0 LCM 2 Vis. 49 WL 7.2 Drill Pipe Size 4.5 Ft. Run 4949
 Blow Description IF-Strong blow BOB 1min. GTS 6min
ISI-Good blow BOB 5min.
FF-BOB GTS ASAO
FSI-Good blow BOB 1min

Recovery - Total Feet 4122 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 4060 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 28 °API D @ 70 °F Corrected Gravity 27 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1700 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2597</u>	PSI	<u>6769</u>	<u>1100°</u>
(B) First Initial Flow Pressure	<u>600</u>	PSI	(depth) <u>5312</u>	Jars <u>200°</u>
(C) First Final Flow Pressure	<u>1016</u>	PSI	Recorder No. <u>11018</u>	Safety Jt. <u>50°</u>
(D) Initial Shut-In Pressure	<u>1502</u>	PSI	(depth) <u>5355</u>	Circ Sub <u>3500</u>
(E) Second Initial Flow Pressure	<u>1033</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>1394</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1504</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2480</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>90</u>	Mileage <u>302 - 100°</u>
			T-On Location <u>300 Am</u>	Sub Total: <u>1485</u>
			T-Started <u>400 Am</u>	Std. By <u>100/120</u>
			T-Open <u>700 Am</u>	Other _____
			T-Pulled <u>11/15 Am</u>	Total: <u>1235</u>
			T-Out <u>700 PM</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED 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]

CHART PAGE

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

