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KCC WICHITA



DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O Box 20380
Wichita, KS 67208

ATTN: Tim

27 30s 41w

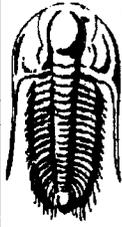
Jacquart-2

Start Date: 2001.11.28 @ 08:51:16

End Date: 2001.11.28 @ 19:47:31

Job Ticket #: 14562 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

Berexco, Inc.
P.O Box 20380
Wichita, KS 67208
ATTN: Tim

Jacquart-2
27 30s 41w
Job Ticket: 14562 **DST#: 1**
Test Start: 2001.11.28 @ 08:51:16

GENERAL INFORMATION:

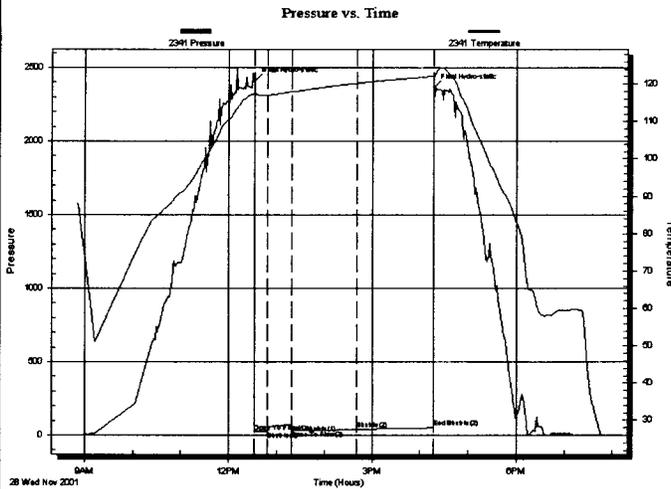
Formation: **upper morrow sand**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **12:32:31** Tester: **Jakki Kreklau**
 Time Test Ended: **19:47:31** Unit No: **17**
 Interval: **5062.00 ft (KB) To 5087.00 ft (KB) (TVD)** Reference Elevations: **3406.00 ft (KB)**
 Total Depth: **5087.00 ft (KB) (TVD)** **3396.00 ft (CF)**
 Hole Diameter: **7.78 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

Serial #: 2341

Inside

Press@RunDepth: **38.88 psig @ 5063.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2001.11.28** End Date: **2001.11.28** Last Calib.: **1899.12.30**
 Start Time: **08:51:17** End Time: **19:47:31** Time On Btm: **2001.11.28 @ 12:32:16**
 Time Off Btm: **2001.11.28 @ 16:17:16**

TEST COMMENT: **IF- weak surface blow built to 1/8 in thru opening**
IS- no blow back
FF- no blow
FSI- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2407.44	117.40	Initial Hydro-static
1	21.86	117.40	Open To Flow (1)
16	26.03	116.99	Shut-In(1)
47	71.47	117.96	End Shut-In(1)
47	31.83	117.97	Open To Flow (2)
128	38.88	120.19	Shut-In(2)
225	49.50	122.07	End Shut-In(2)
225	2366.27	122.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	watery drilg mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.
P.O. Box 20380
Wichita, KS 67208
ATTN: Tim

Jacquart-2
27 30s 41w
Job Ticket: 14562 **DST#: 1**
Test Start: 2001.11.28 @ 08:51:16

Tool Information

Drill Pipe:	Length: 4747.00 ft	Diameter: 3.80 inches	Volume: 66.59 bbl	Tool Weight: 1800.00 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: 316.00 ft	Diameter: 2.25 inches	Volume: 1.55 bbl	Weight to Pull Loose: 98000.00 lb
			Total Volume: 68.14 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	5062.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:	ruined shale packer			

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			5040.00	
HMV	5.00			5045.00	
Jars	5.00			5050.00	
Safety Joint	2.00			5052.00	
C.O. Sub	1.00			5053.00	
Packer	5.00			5058.00	27.00 Bottom Of Top Packer
Packer	4.00			5062.00	
Stubb	1.00			5063.00	
Recorder	0.00	2341	Inside	5063.00	
Perforations	24.00			5087.00	
Recorder	0.00	5495	Inside	5087.00	
Bullnose	3.00			5090.00	28.00 Bottom Packers & Anchor

Total Tool Length: 55.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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P.O Box 20380
Wichita, KS 67208
ATTN: Tim

Jacquart-2
27 30s 41w
Job Ticket: 14562 **DST#: 1**
Test Start: 2001.11.28 @ 08:51:16

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:	50.00 sec/qt	Cushion Volume:	bbf		
Water Loss:	7.78 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	900.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

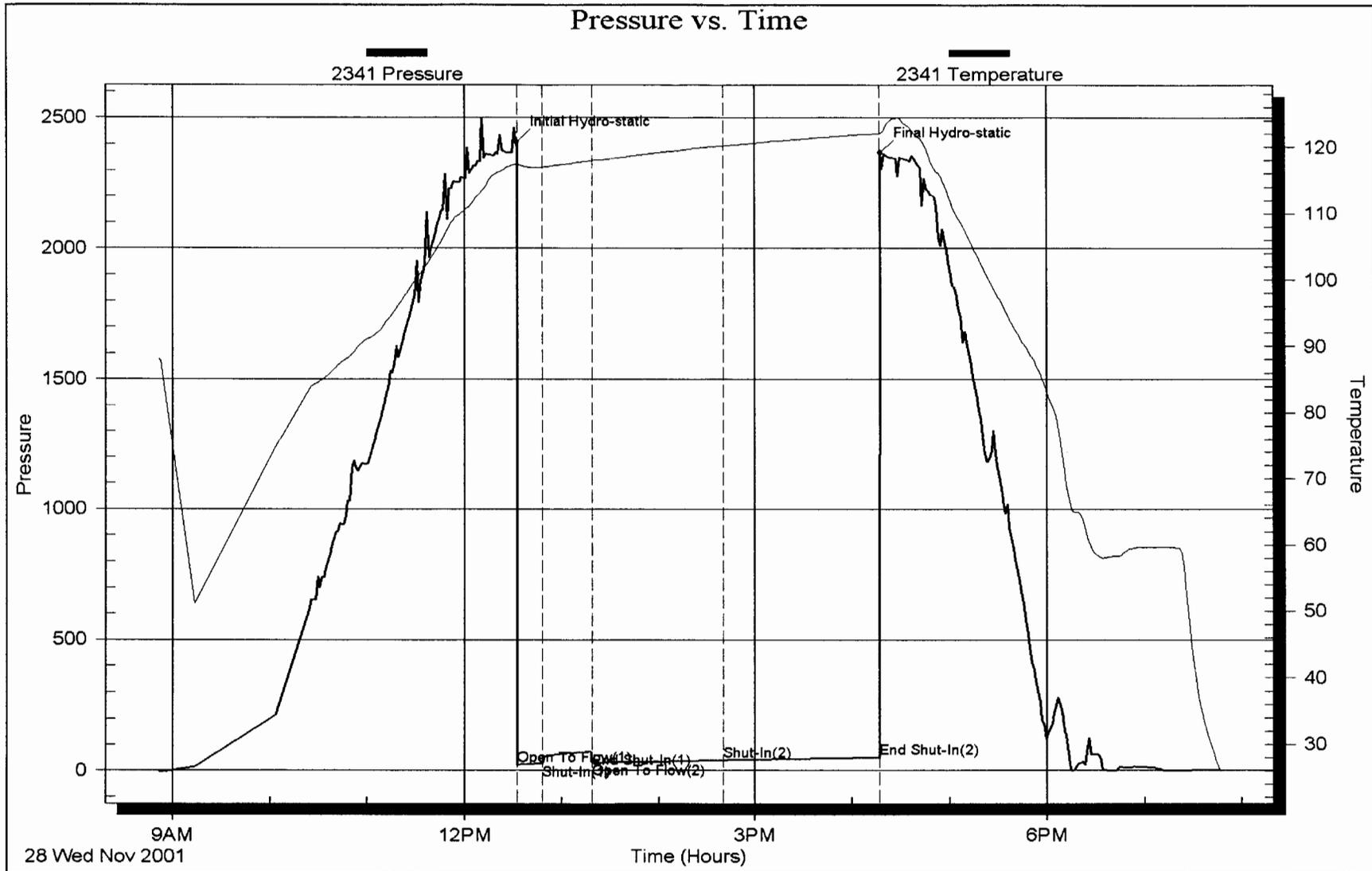
Length ft	Description	Volume bbf
10.00	watery drilg mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

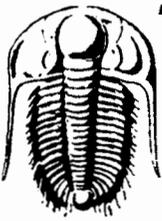


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CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14562

Test Ticket

Well Name & No. JAGUART # 2 Test No. 1 Date 11-28-01
 Company BOREXO Inc Zone Tested Upper Morrow SAND
 Address P.O. BOX 20380 Wichita, Ks 67208 Elevation 3406 KB 3396 GL
 Co. Rep / Geo. Tim Cont. Big A Rig 4 Est. Ft. of Pay Por. %
 Location: Sec. 27 Twp. 30 Rge. 41 Co. Stanton State Ks
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5062-5087 Initial Str Wt./Lbs. 38000 Unseated Str Wt./Lbs. 90000
 Anchor Length 25 Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 98000
 Top Packer Depth 5058 Tool Weight 1800
 Bottom Packer Depth 5062 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5087 Wt. Pipe Run Drill Collar Run 4747
 Mud Wt. 9.0 LCM 8 Vis. 50 WL 7.8 Drill Pipe Size 7 1/2" H Ft. Run 376

Blow Description FF - Weak surface blow built to 1/8 inch thru opening
ISI - No blow back
FE - No blow
FST - No blow back

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>10</u>	Feet Of <u>Watery Drily Mud</u>	%gas	%oil
Rec. <u> </u>	Feet Of <u> </u>	%gas	%oil
Rec. <u> </u>	Feet Of <u> </u>	%gas	%oil
Rec. <u> </u>	Feet Of <u> </u>	%gas	%oil
Rec. <u> </u>	Feet Of <u> </u>	%gas	%oil

BHT 122 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 900 ppm System

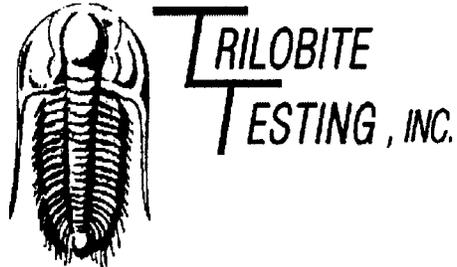
	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2407</u>	<u>2407</u>	<u>2341</u>	<u>0445</u>	
(B) First Initial Flow Pressure	<u>21</u>	<u>21</u>	(depth) <u>5064</u>	T-Started <u>0850</u>	
(C) First Final Flow Pressure	<u>26</u>	<u>26</u>	PSI Recorder No. <u>5495</u>	T-Open <u>0031</u>	
(D) Initial Shut-In Pressure	<u>73</u>	<u>73</u>	(depth) <u>5087</u>	T-Pulled <u>16 16</u>	
(E) Second Initial Flow Pressure	<u>28</u>	<u>28</u>	PSI Recorder No. <u> </u>	T-Out <u>1947</u>	
(F) Second Final Flow Pressure	<u>38</u>	<u>38</u>	(depth) <u> </u>	T-Off Location <u> </u>	
(G) Final Shut-in Pressure	<u>49</u>	<u>49</u>	PSI Initial Opening <u>15</u>	Test <u>✓ Conventional</u> <u>900</u>	
(Q) Final Hydrostatic Mud	<u>2366</u>	<u>2366</u>	PSI Initial Shut-in <u>30</u>	Jars <u>✓</u> <u>200</u>	
			Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>	
			Final Shut-in <u>120</u>	Straddle <u> </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 Tim Peirce
 Our Representative Bob Kuller

Extra Packer ✓ 1 shale packer 150
 Elec. Rec. ✓ 150
 Mileage 75
 Other 5 hrs stay Ruined shale packer
 TOTAL PRICE 1425

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DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O Box 20380
Wichita, KS 67208

ATTN: Tim

27 30s 41w

Jacquart-2

Start Date: 2001.11.29 @ 10:31:02

End Date: 2001.11.29 @ 17:21:47

Job Ticket #: 14563 DST #: 2

Berexco, Inc.

Jacquart-2

27 30s 41w

DST # 2

Morrow Sand

2001.11.29

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Berexco, Inc.
P.O Box 20380
Wichita, KS 67208
ATTN: Tim

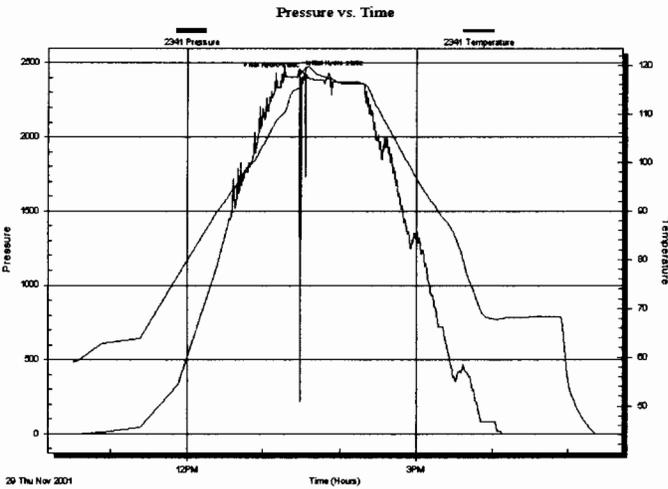
Jacquart-2
27 30s 41w
Job Ticket: 14563 **DST#: 2**
Test Start: 2001.11.29 @ 10:31:02

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 17:21:47
Test Type: Conventional Bottom Hole
Tester: Jakki Kreklau
Unit No: 17
Interval: **5124.00 ft (KB) To 5160.00 ft (KB) (TVD)**
Reference Elevations: 3406.00 ft (KB)
Total Depth: 5160.00 ft (KB) (TVD) 3396.00 ft (CF)
Hole Diameter: 7.78 inches Hole Condition: Fair KB to GRVCF: 10.00 ft

Serial #: 2341 **Inside**
Press@RunDepth: psig @ 5125.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.11.29 End Date: 2001.11.29 Last Calib.: 1899.12.30
Start Time: 10:31:03 End Time: 17:21:47 Time On Btm: 2001.11.29 @ 13:28:17
Time Off Btm: 2001.11.29 @ 13:33:17

TEST COMMENT: IF- lost packer seat tried again no help came out of hole



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2425.21	115.52	Initial Hydro-static
5	2412.75	119.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	watery drilg mud 100% mud	1.28

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.
P.O. Box 20380
Wichita, KS 67208
ATTN: Tim

Jacquart-2
27 30s 41w
Job Ticket: 14563 **DST#: 2**
Test Start: 2001.11.29 @ 10:31:02

Tool Information

Drill Pipe: Length: 4841.00 ft	Diameter: 3.80 inches	Volume: 67.91 bbl	Tool Weight: 1800.00 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: 277.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 72000.00 lb
		<u>Total Volume: 69.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB: 21.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer: 5124.00 ft			Final 72000.00 lb
Depth to Bottom Packer: ft			
Interval between Packers: 39.00 ft			
Tool Length: 66.00 ft			
Number of Packers: 2	Diameter: 6.75 inches		

Tool Comments:

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			5102.00	
HMV	5.00			5107.00	
Jars	5.00			5112.00	
Safety Joint	2.00			5114.00	
C.O. Sub	1.00			5115.00	
Packer	5.00			5120.00	27.00 Bottom Of Top Packer
Packer	4.00			5124.00	
Stubb	1.00			5125.00	
Recorder	0.00	2341	Inside	5125.00	
Perforations	35.00			5160.00	
Recorder	0.00	13521	Inside	5160.00	
Bullhose	3.00			5163.00	39.00 Bottom Packers & Anchor

Total Tool Length: 66.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, Inc.

Jacquart-2

P.O Box 20380
Wichita, KS 67208

27 30s 41w

Job Ticket: 14563

DST#: 2

ATTN: Tim

Test Start: 2001.11.29 @ 10:31:02

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: 63.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	watery drilg mud 100% mud	1.279

Total Length: 260.00 ft

Total Volume: 1.279 bbl

Num Fluid Samples: 0

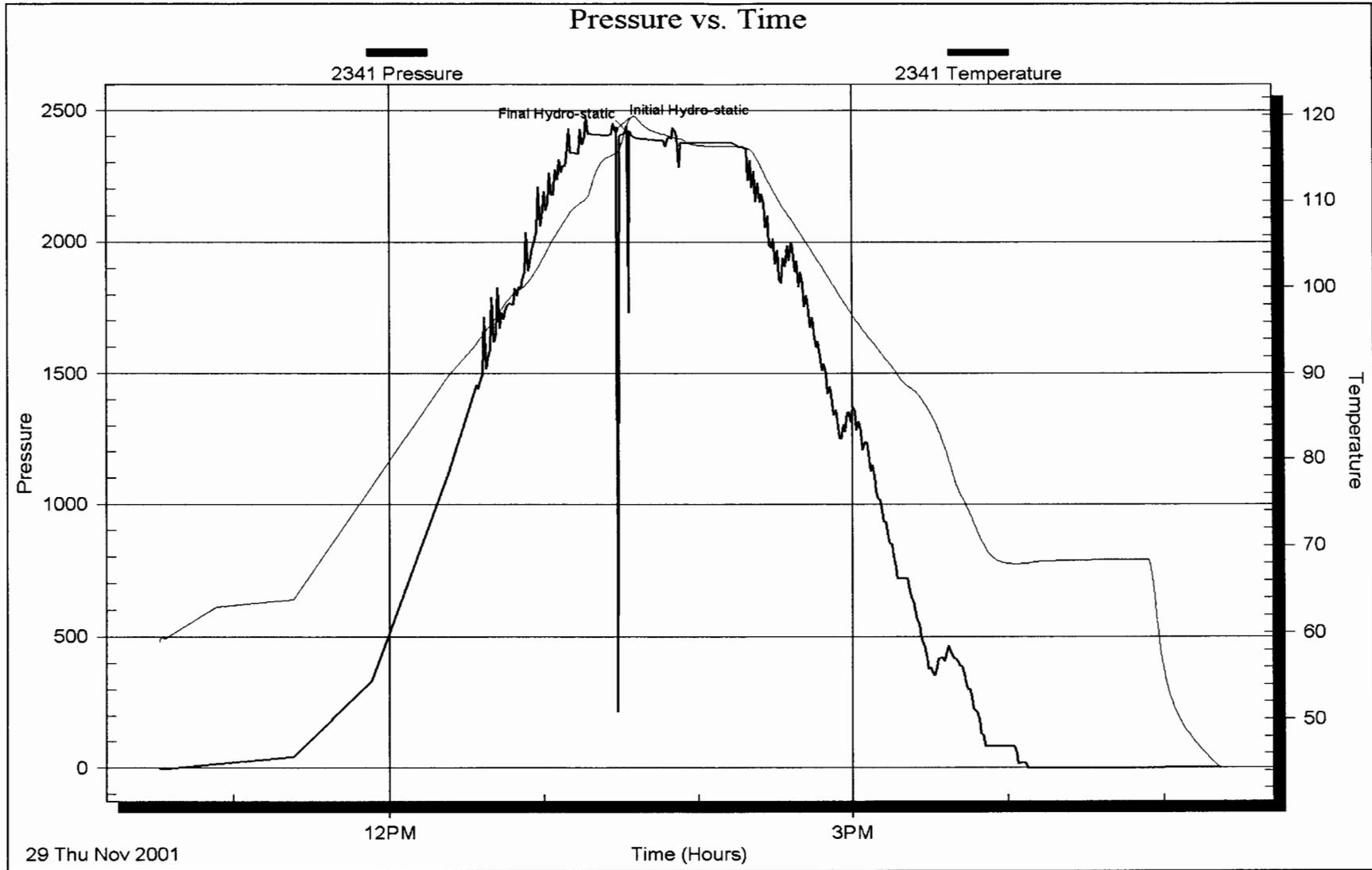
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

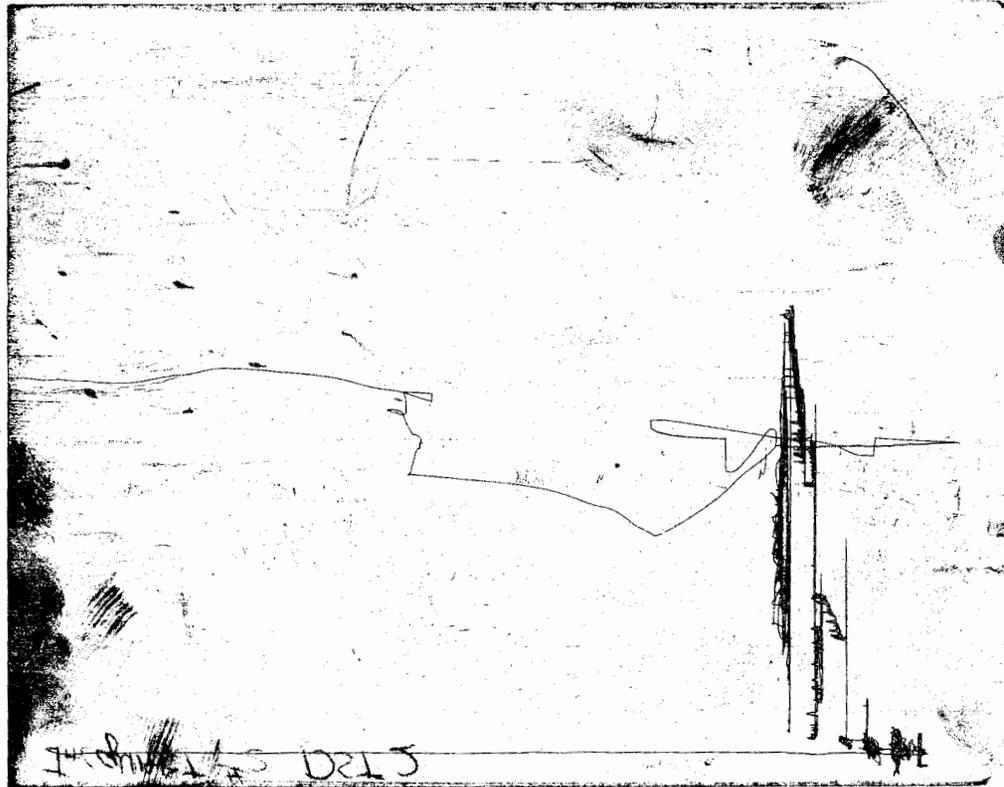
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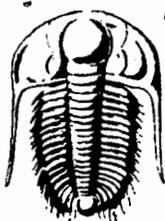


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CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14563

Test Ticket

Well Name & No. JACQUART #2 Test No. 2 Date 11-29-01
 Company Berexco Inc Zone Tested MORROW Sand
 Address P.O. BOX 20380 Wichita, Ks 67208 Elevation 3406 KB 3396 GL
 Co. Rep / Geo. Tim Cont. Big A #4 Est. Ft. of Pay Por. %
 Location: Sec. 27 Twp. 30 Rge. 41 Co. Stanton State Ks
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5124 - 5160 Initial Str Wt./Lbs. 68000 Unseated Str Wt./Lbs. 72000
 Anchor Length 36 Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 72000
 Top Packer Depth 5120 Tool Weight 1800
 Bottom Packer Depth 5124 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5160 Wt. Pipe Run Drill Collar Run
 Mud Wt. 8.9 LCM 6 Vis. 63 WL 6.8 Drill Pipe Size 4 1/2 X 4 Ft. Run
 Blow Description IF - lost packer seat, tried again No Help.

Recovery — Total Feet 260 GIP Ft. in DC Ft. in DP
 Rec. 260 Feet Of WATERY Drilling Mud %gas %oil %water 100% %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 900 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>2425</u>		<u>2341</u>	<u>0700</u>
(B) First Initial Flow Pressure				(depth) <u>5127</u>	T-Started <u>1030</u>
(C) First Final Flow Pressure				Recorder No. <u>13521</u>	T-Open <u>1328</u>
(D) Initial Shut-In Pressure				(depth) <u>5160</u>	T-Pulled <u>1405</u>
(E) Second Initial Flow Pressure				Recorder No. <u> </u>	T-Out <u>1721</u>
(F) Second Final Flow Pressure				(depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure				PSI Initial Opening <u> </u>	Test <input checked="" type="checkbox"/> conventional MS <u>700</u>
(Q) Final Hydrostatic Mud		<u>2412</u>		PSI Initial Shut-in <u> </u>	Jars <input checked="" type="checkbox"/> <u>200</u>
				Final Flow <u> </u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
				Final Shut-in <u> </u>	Straddle <u> </u>
					Circ. Sub <u> </u>
					Sampler <u> </u>
					Extra Packer <u>1 Shake packer 150</u>
					Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>
					Mileage <u>45</u>
					Other <u> </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 Tim Pierce

Our Representative Abbi Knudsen

TOTAL PRICE \$ 1295