



## DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O. Box 20380  
Wichita, KS 67208

ATTN: Dana Wreath

**14--11s--33w**

**Cook WFU #14 X**

Start Date: 2005.02.23 @ 11:33:51

End Date: 2005.02.23 @ 21:25:51

Job Ticket #: 21224                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Berexco, Inc.

Cook WFU #14 X

14--11s--33w

DST # 1

L.K.C.-E & F

2005.02.23



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21224

**DST#: 1**

ATTN: Dana Wreath

Test Start: 2005.02.23 @ 11:33:51

## GENERAL INFORMATION:

Formation: **L.Kc.-E & F**

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

Time Tool Opened: 13:54:21

Time Test Ended: 21:25:51

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **4150.00 ft (KB) To 4183.00 ft (KB) (TVD)**

Reference Elevations: **3136.00 ft (KB)**

Total Depth: **4183.00 ft (KB) (TVD)**

**3125.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

**KB to GR/CF: 11.00 ft**

## Serial #: 6672

**Inside**

Press@RunDepth: **138.84 psig @ 4155.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.02.23**

End Date:

**2005.02.23**

Last Calib.:

**2005.02.23**

Start Time: **11:33:52**

End Time:

**21:25:51**

Time On Btm:

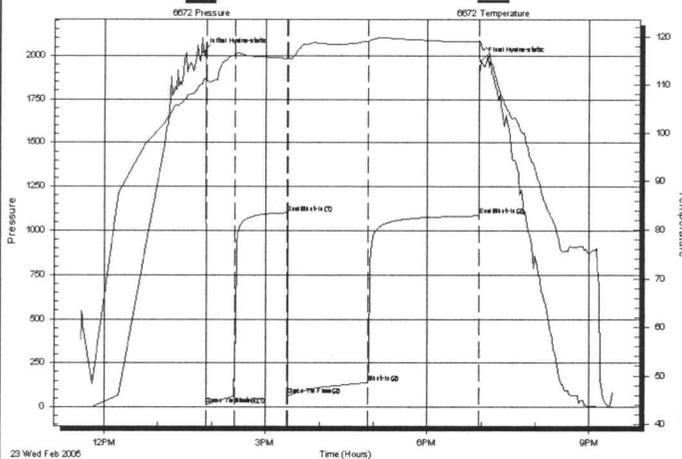
**2005.02.23 @ 13:49:51**

Time Off Btm:

**2005.02.23 @ 18:58:51**

TEST COMMENT: IF-Weak built to 3" in      ISI-Dead  
FF-Weak built to 3 1/2" in      FSI-Dead

Pressure vs. Time



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.77	111.04	Initial Hydro-static
5	13.31	110.79	Open To Flow (1)
35	61.18	116.19	Shut-In(1)
94	1100.95	115.49	End Shut-In(1)
95	63.80	115.36	Open To Flow (2)
184	138.84	119.05	Shut-In(2)
307	1084.94	118.93	End Shut-In(2)
309	1970.28	118.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
254.00	Muddy S.W.-25%M-75%W	1.61

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21224

**DST#: 1**

ATTN: Dana Wreath

Test Start: 2005.02.23 @ 11:33:51

### Tool Information

Drill Pipe:	Length: 3939.00 ft	Diameter: 3.80 inches	Volume: 55.25 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 214.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4150.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4131.00	
Shut In Tool	5.00			4136.00	
Hydraulic tool	5.00			4141.00	
Packer	4.00			4145.00	20.00 Bottom Of Top Packer
Packer	5.00			4150.00	
Stubb	1.00			4151.00	
Perforations	4.00			4155.00	
Recorder	0.00	6672	Inside	4155.00	
Perforations	25.00			4180.00	
Recorder	0.00	13308	Outside	4180.00	
Bullnose	3.00			4183.00	33.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21224

**DST#: 1**

ATTN: Dana Wreath

Test Start: 2005.02.23 @ 11:33:51

## 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:	45000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
254.00	Muddy S.W.-25%M-75%W	1.614

Total Length: 254.00 ft      Total Volume: 1.614 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

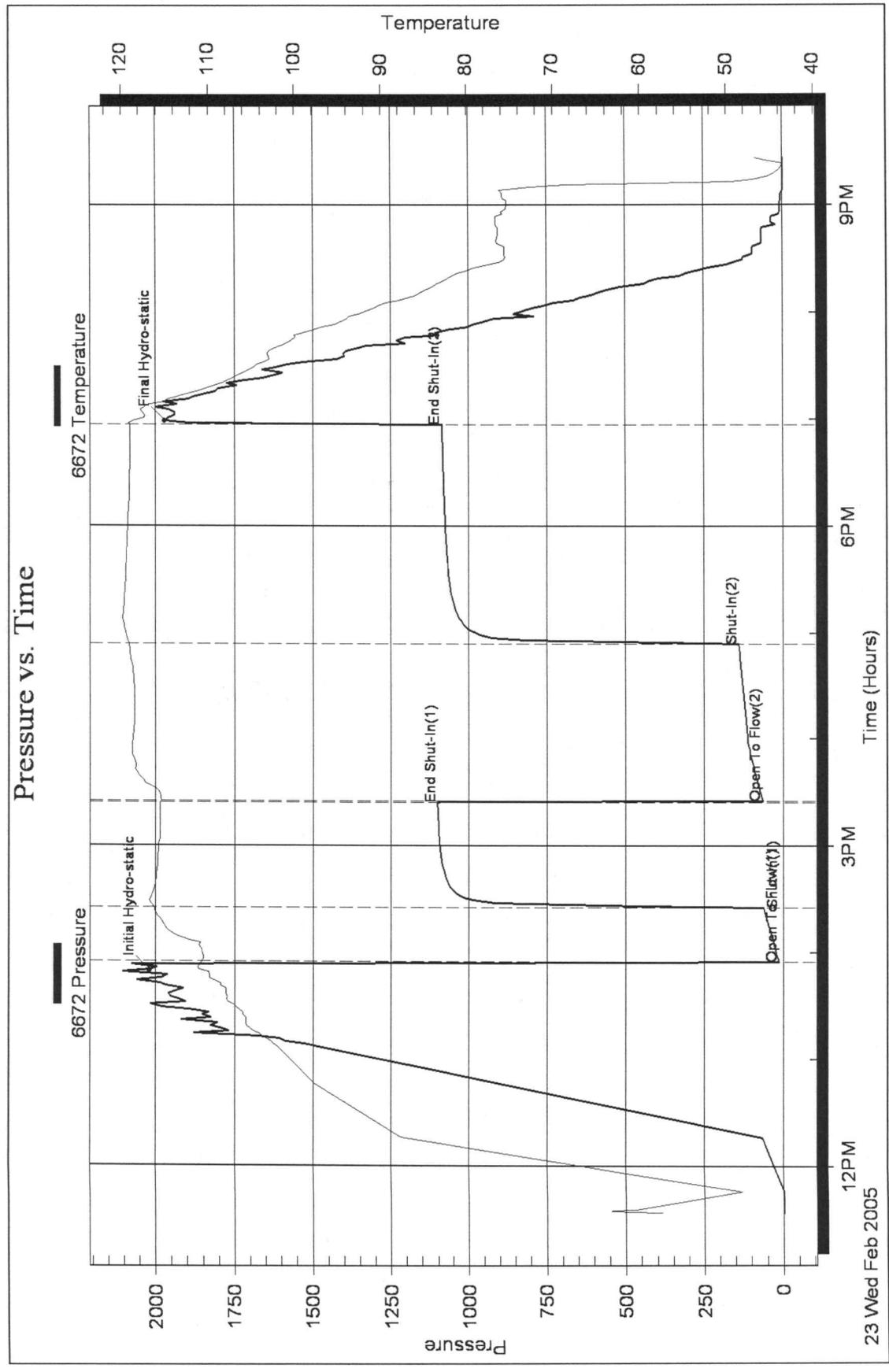
Recovery Comments:

Serial #: 6672

Inside Berexco, Inc.

14--11s--33w

DST Test Number: 1



23 Wed Feb 2005



## DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O. Box 20380  
Wichita, KS 67208

ATTN: Dana Wreath

**14--11s--33w**

**Cook WFU #14 X**

Start Date: 2005.02.24 @ 10:10:46

End Date: 2005.02.24 @ 17:57:46

Job Ticket #: 21225                      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

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21225

**DST#: 2**

ATTN: Dana Wreath

Test Start: 2005.02.24 @ 10:10:46

## GENERAL INFORMATION:

Formation: **L.Kc.-H & I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:17:46

Time Test Ended: 17:57:46

Test Type: Conventional Bottom Hole

Tester: John Schridt

Unit No: 31

Interval: **4200.00 ft (KB) To 4280.00 ft (KB) (TVD)**

Reference Elevations: 3136.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

3125.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 6672**

Inside

Press@RunDepth: 21.73 psig @ 4204.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.02.24

End Date:

2005.02.24

Last Calib.:

2005.02.24

Start Time: 10:10:47

End Time:

17:57:46

Time On Btm:

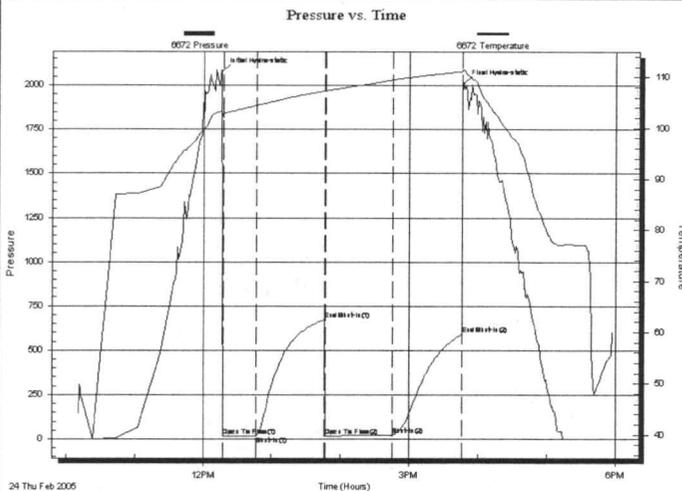
2005.02.24 @ 12:16:16

Time Off Btm:

2005.02.24 @ 15:47:16

TEST COMMENT: IF-Weak Dead 25 min.  
FF-Dead

ISI-Dead  
FSI-Dead



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.26	103.15	Initial Hydro-static
2	14.32	102.89	Open To Flow (1)
30	16.24	104.43	Shut-In(1)
90	673.40	107.31	End Shut-In(1)
90	17.85	107.19	Open To Flow (2)
149	21.73	109.46	Shut-In(2)
210	589.53	111.13	End Shut-In(2)
211	2010.88	111.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling mud few oil spots	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21225

**DST#: 2**

ATTN: Dana Wreath

Test Start: 2005.02.24 @ 10:10:46

### Tool Information

Drill Pipe:	Length: 3971.00 ft	Diameter: 3.80 inches	Volume: 55.70 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 214.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4200.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4181.00	
Shut In Tool	5.00			4186.00	
Hydraulic tool	5.00			4191.00	
Packer	4.00			4195.00	20.00 Bottom Of Top Packer
Packer	5.00			4200.00	
Stubb	1.00			4201.00	
Perforations	2.00			4203.00	
Change Over Sub	1.00			4204.00	
Recorder	0.00	6672	Inside	4204.00	
Blank Spacing	62.00			4266.00	
Change Over Sub	1.00			4267.00	
Recorder	0.00	11084	Outside	4267.00	
Perforations	10.00			4277.00	
Bullnose	3.00			4280.00	80.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>100.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21225

**DST#: 2**

ATTN: Dana Wreath

Test Start: 2005.02.24 @ 10:10:46

**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:

bbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling mud few oil spots	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:

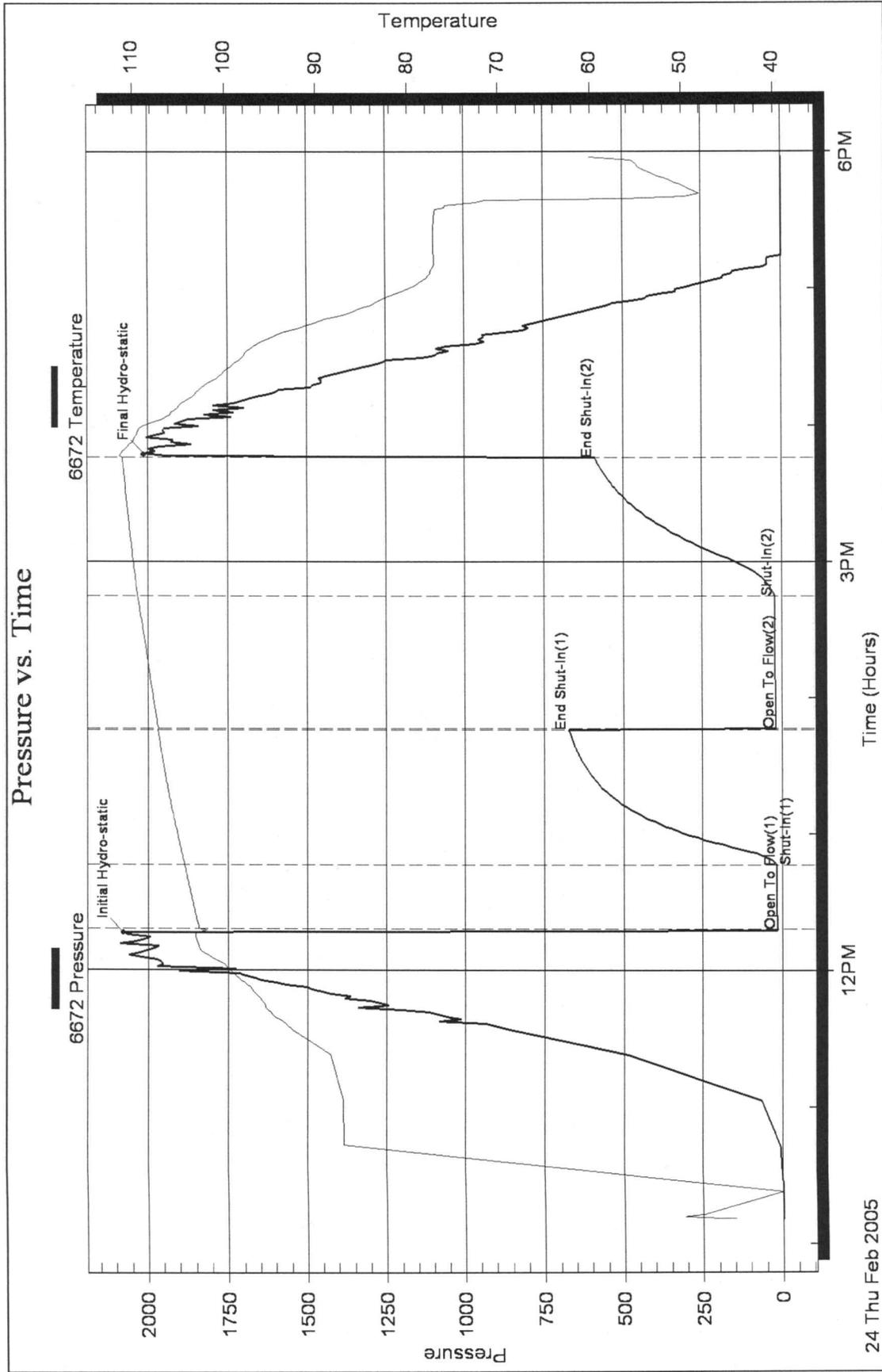
Serial #: 6672

Inside Berexco, Inc.

14--11s--33w

DST Test Number: 2

### Pressure vs. Time



24 Thu Feb 2005

Trilobite Testing, Inc

Ref. No: 21225

Printed: 2005.03.09 @ 13:29:17 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P. O. Box 20380  
Wichita, KS 67208

ATTN: Dana Wreath

**14--11s--33w**

**Cook WFU #14 X**

Start Date: 2005.02.25 @ 02:29:55

End Date: 2005.02.25 @ 11:37:25

Job Ticket #: 21826                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Berexco, Inc.

Cook WFU #14 X

14--11s--33w

DST # 3

L.Kc.- J

2005.02.25



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco, Inc.

P.O.Box 20380  
Wichita, KS 67208

ATTN: Dana Wreath

**Cook WFU #14 X**

**14-11s-33w**

Job Ticket: 21826

**DST#: 3**

Test Start: 2005.02.25 @ 02:29:55

## GENERAL INFORMATION:

Formation: **L.Kc.- J**

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

Time Tool Opened: 05:12:55

Time Test Ended: 11:37:25

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **4275.00 ft (KB) To 4308.00 ft (KB) (TVD)**

Reference Elevations: **3136.00 ft (KB)**

Total Depth: **4308.00 ft (KB) (TVD)**

**3125.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **11.00 ft**

**Serial #: 6672**

**Inside**

Press@RunDepth: **23.92 psig @ 4280.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.02.25**

End Date: **2005.02.25**

Last Calib.: **2005.02.25**

Start Time: **02:29:56**

End Time: **11:37:25**

Time On Btm: **2005.02.25 @ 05:11:55**

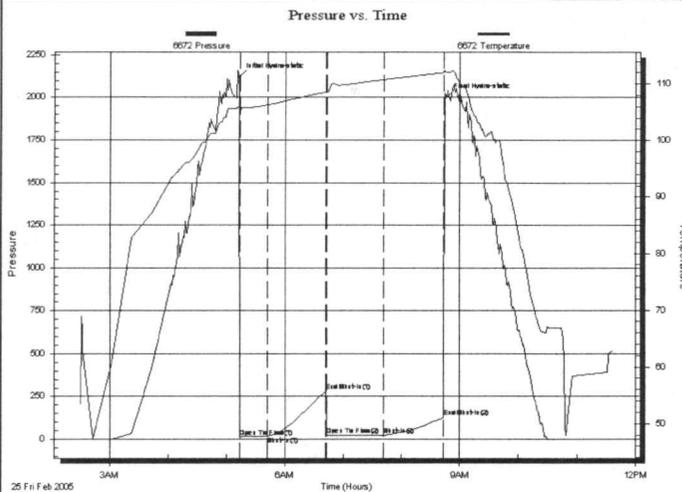
Time Off Btm: **2005.02.25 @ 08:45:55**

TEST COMMENT: **IF-Weak Dead in 27 min.**

**ISI-Dead**

**FF-Dead**

**FSI-Dead**



## PRESSURE SUMMARY

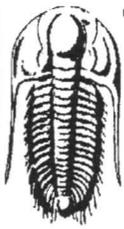
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.39	105.87	Initial Hydro-static
1	12.77	104.73	Open To Flow (1)
30	17.84	106.28	Shut-In(1)
89	280.05	108.56	End Shut-In(1)
90	20.75	108.54	Open To Flow (2)
150	23.92	110.76	Shut-In(2)
211	127.77	112.01	End Shut-In(2)
214	2000.04	112.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling mud	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21826

**DST#: 3**

ATTN: Dana Wreath

Test Start: 2005.02.25 @ 02:29:55

## Tool Information

Drill Pipe:	Length: 4069.00 ft	Diameter: 3.80 inches	Volume: 57.08 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 214.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 75000.00 lb
		<u>Total Volume:</u>	<u>58.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4275.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4256.00	
Shut In Tool	5.00			4261.00	
Hydraulic tool	5.00			4266.00	
Packer	4.00			4270.00	20.00 Bottom Of Top Packer
Packer	5.00			4275.00	
Stubb	1.00			4276.00	
Perforations	4.00			4280.00	
Recorder	0.00	6672	Inside	4280.00	
Perforations	25.00			4305.00	
Recorder	0.00	13308	Outside	4305.00	
Bullnose	3.00			4308.00	33.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21826

**DST#: 3**

ATTN: Dana Wreath

Test Start: 2005.02.25 @ 02:29:55

## 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:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling 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:

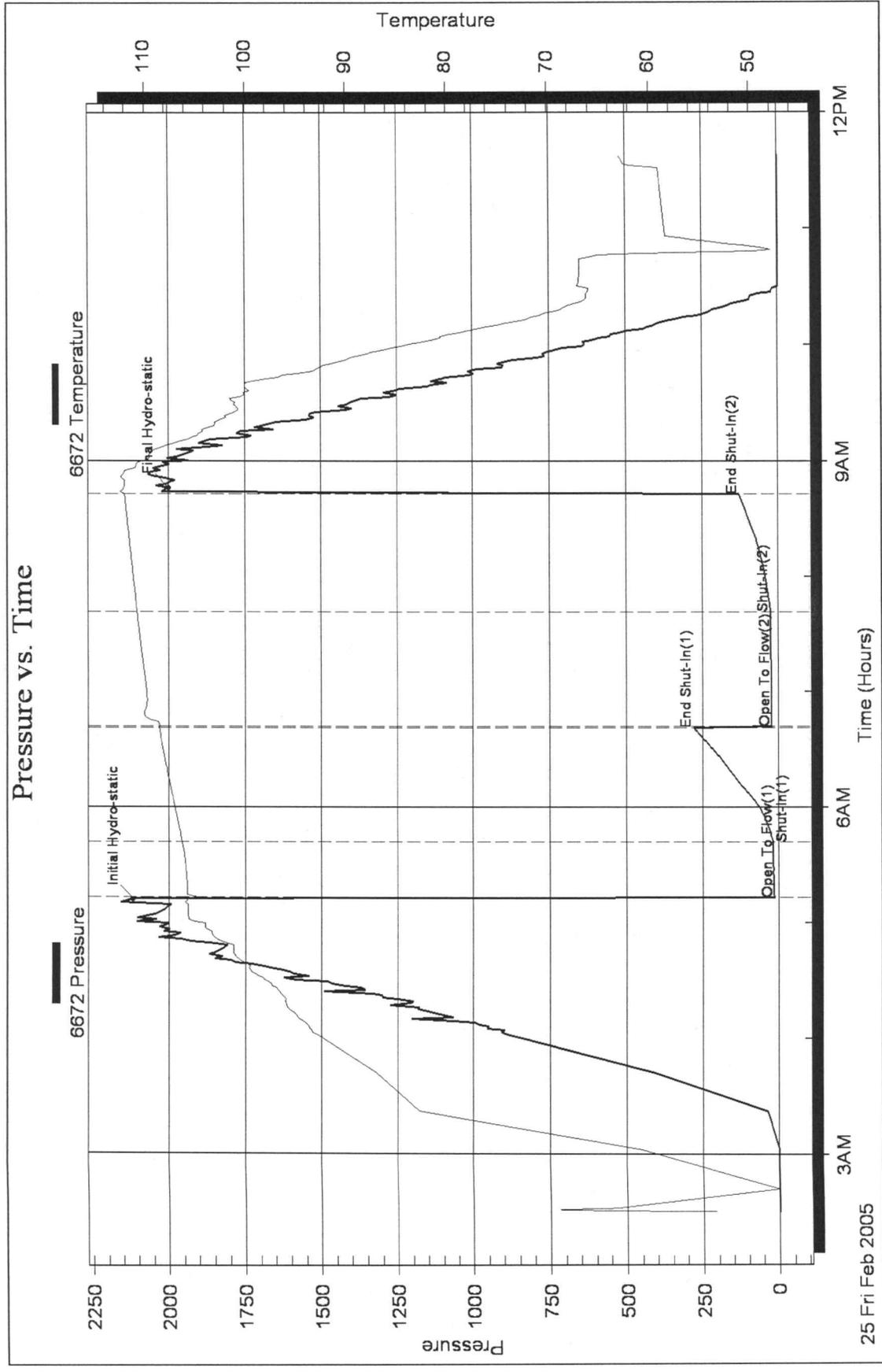
Recovery Comments:

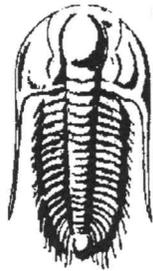
Serial #: 6672

Inside Berexco, Inc.

14--11s--33w

DST Test Number: 3





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O.Box 20380  
Wichita, KS 67208

ATTN: Dana Wreath

**14--11s--33w**

**Cook WFU #14 X**

Start Date: 2005.02.25 @ 18:30:53

End Date: 2005.02.26 @ 03:47:53

Job Ticket #: 21827                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Berexco, Inc.

Cook WFU #14 X

14--11s--33w

DST # 4

L.Kc.-K

2005.02.25



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21827

**DST#: 4**

ATTN: Dana Wreath

Test Start: 2005.02.25 @ 18:30:53

## GENERAL INFORMATION:

Formation: **L.Kc.- K**

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

Time Tool Opened: 21:11:23

Time Test Ended: 03:47:53

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **4300.00 ft (KB) To 4335.00 ft (KB) (TVD)**

Reference Elevations: **3136.00 ft (KB)**

Total Depth: **4300.00 ft (KB) (TVD)**

**3125.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

**KB to GR/CF: 11.00 ft**

**Serial #: 6672** **Inside**

Press@RunDepth: **25.80 psig @ 4307.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.02.25**

End Date:

**2005.02.26**

Last Calib.:

**2005.02.26**

Start Time: **18:30:54**

End Time:

**03:47:53**

Time On Btm:

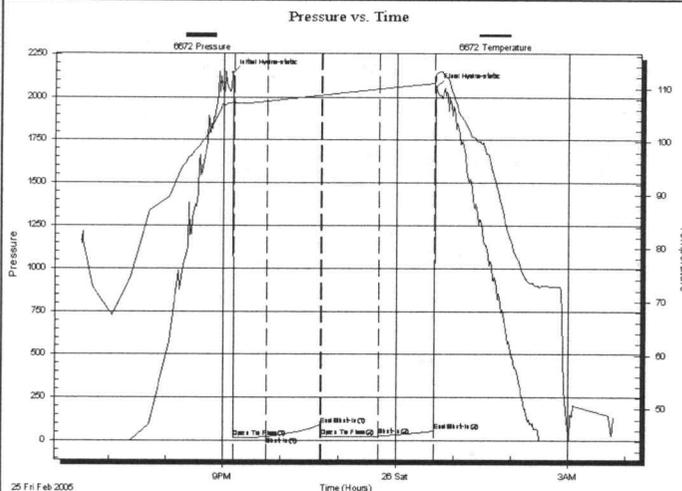
**2005.02.25 @ 21:09:23**

Time Off Btm:

**2005.02.26 @ 00:40:53**

TEST COMMENT: **IF-Weak Dead in 15 min.**  
**FF-Dead**

**ISI-Dead**  
**FSI-Dead**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.34	107.44	Initial Hydro-static
2	15.68	106.94	Open To Flow (1)
36	20.95	107.58	Shut-In(1)
92	91.68	108.74	End Shut-In(1)
93	23.65	108.75	Open To Flow (2)
153	25.80	109.91	Shut-In(2)
211	56.23	111.00	End Shut-In(2)
212	2058.06	112.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.

Cook WFU #14 X

P.O.Box 20380  
Wichita, KS 67208

14-11s-33w

Job Ticket: 21827

DST#: 4

ATTN: Dana Wreath

Test Start: 2005.02.25 @ 18:30:53

### Tool Information

Drill Pipe:	Length: 4095.00 ft	Diameter: 3.80 inches	Volume: 57.44 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 214.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4300.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4281.00	
Shut In Tool	5.00			4286.00	
Hydraulic tool	5.00			4291.00	
Packer	4.00			4295.00	20.00 Bottom Of Top Packer
Packer	5.00			4300.00	
Stubb	1.00			4301.00	
Perforations	6.00			4307.00	
Recorder	0.00	6672	Inside	4307.00	
Perforations	25.00			4332.00	
Recorder	0.00	13308	Outside	4332.00	
Bullnose	3.00			4335.00	35.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21827

**DST#: 4**

ATTN: Dana Wreath

Test Start: 2005.02.25 @ 18:30:53

## 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:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

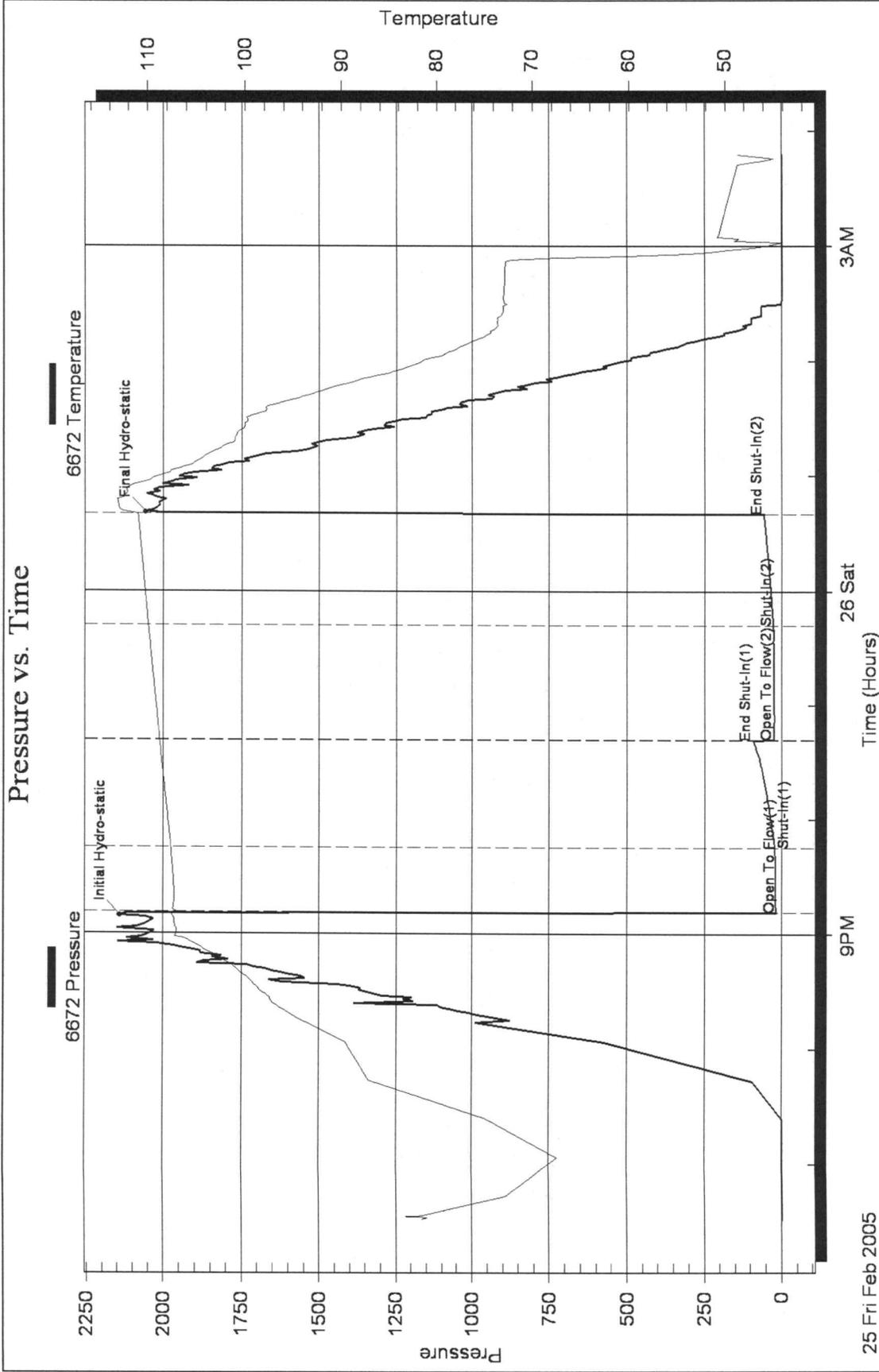
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P. O. Box 20380  
Wichita, KS 67208

ATTN: Dana Wreath

**14--11s--33w**

**Cook WFU #14 X**

Start Date: 2005.02.27 @ 08:18:23

End Date: 2005.02.27 @ 17:54:23

Job Ticket #: 21828                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Berexco, Inc.

Cook WFU #14 X

14--11s--33w

DST # 5

Johnson

2005.02.27



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21828

**DST#: 5**

ATTN: Dana Wreath

Test Start: 2005.02.27 @ 08:18:23

## GENERAL INFORMATION:

Formation: **Johnson**

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

Time Tool Opened: 10:20:23

Time Test Ended: 17:54:23

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **4580.00 ft (KB) To 4670.00 ft (KB) (TVD)**

Reference Elevations: **3136.00 ft (KB)**

Total Depth: **4670.00 ft (KB) (TVD)**

**3125.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **11.00 ft**

**Serial #: 6672** **Inside**

Press@RunDepth: **81.39 psig @ 4584.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.02.27**

End Date: **2005.02.27**

Last Calib.: **2005.02.27**

Start Time: **08:18:24**

End Time: **17:54:23**

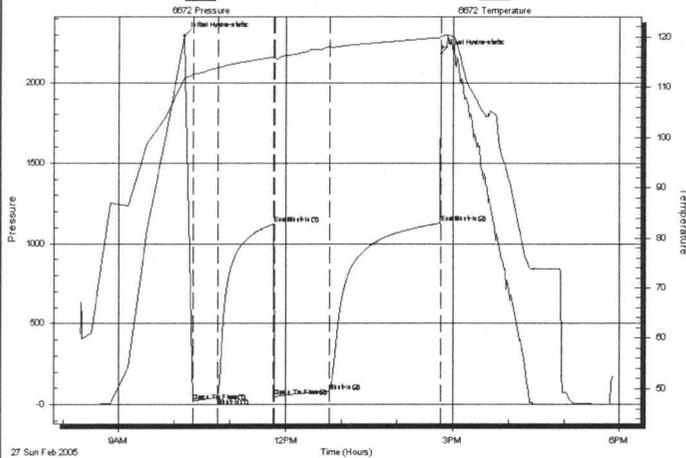
Time On Btm: **2005.02.27 @ 10:10:23**

Time Off Btm: **2005.02.27 @ 14:46:53**

TEST COMMENT: IF-Weak surface blow .  
FF-Dead

ISI-Dead  
FSI-Dead

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2292.19	111.83	Initial Hydro-static
10	19.75	112.47	Open To Flow (1)
36	43.23	113.88	Shut-In(1)
97	1122.09	115.99	End Shut-In(1)
97	46.78	115.87	Open To Flow (2)
157	81.39	118.03	Shut-In(2)
276	1128.22	119.87	End Shut-In(2)
277	2183.73	120.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	Oil spotted Drilling mud	0.59

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21828

**DST#: 5**

ATTN: Dana Wreath

Test Start: 2005.02.27 @ 08:18:23

**Tool Information**

Drill Pipe:	Length: 4316.00 ft	Diameter: 3.80 inches	Volume: 60.54 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 274.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4580.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4561.00	
Shut In Tool	5.00			4566.00	
Hydraulic tool	5.00			4571.00	
Packer	4.00			4575.00	20.00 Bottom Of Top Packer
Packer	5.00			4580.00	
Stubb	1.00			4581.00	
Perforations	2.00			4583.00	
Change Over Sub	1.00			4584.00	
Recorder	0.00	6672	Inside	4584.00	
Blank Spacing	62.00			4646.00	
Change Over Sub	1.00			4647.00	
Perforations	20.00			4667.00	
Recorder	0.00	11084	Outside	4667.00	
Bullnose	3.00			4670.00	90.00 Bottom Packers & Anchor

**Total Tool Length: 110.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco, Inc.

**Cook WFU #14 X**

P.O.Box 20380  
Wichita, KS 67208

**14-11s-33w**

Job Ticket: 21828

**DST#: 5**

ATTN: Dana Wreath

Test Start: 2005.02.27 @ 08:18:23

## 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: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Oil spotted Drilling mud	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

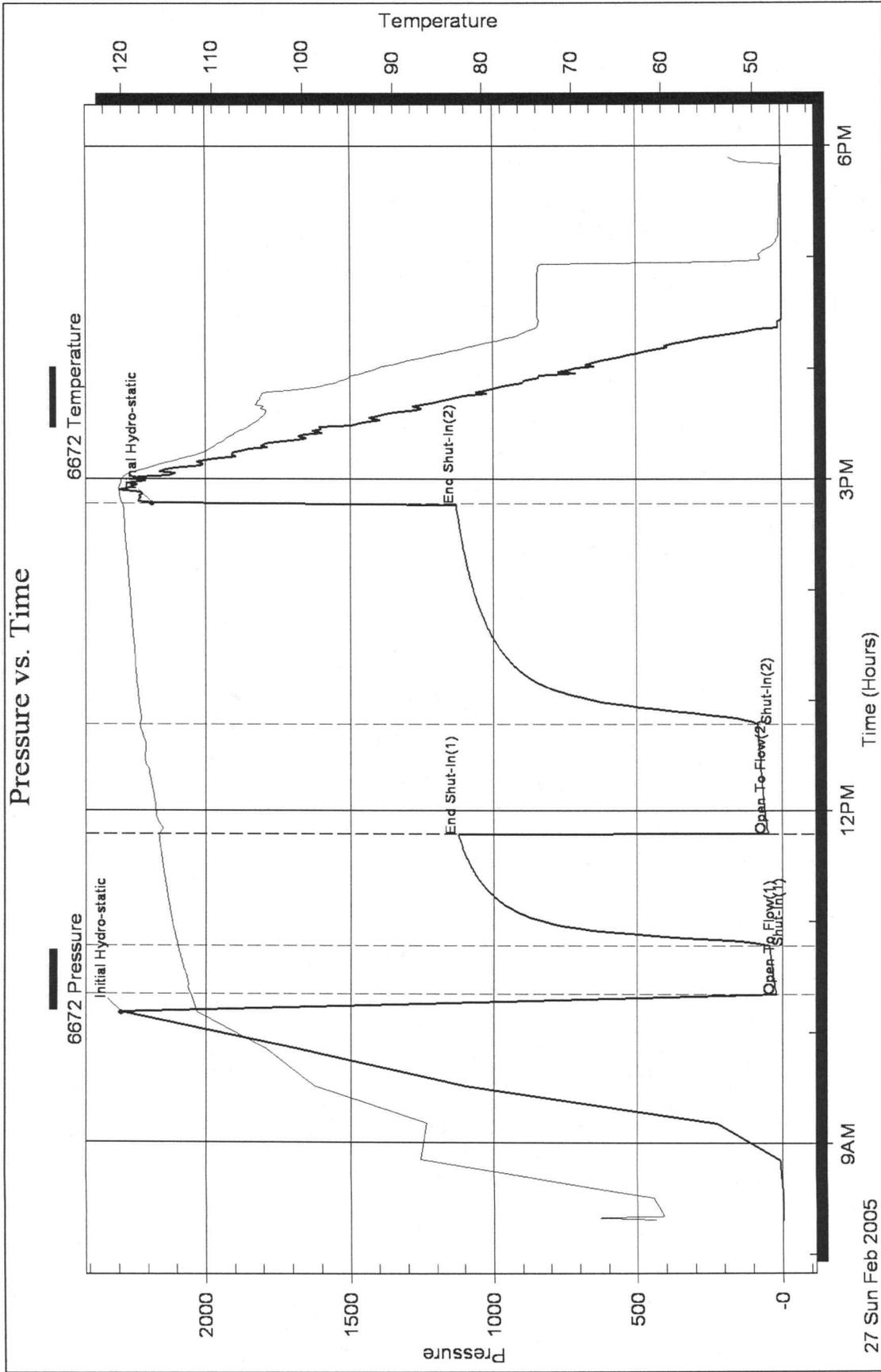
Serial #: 6672

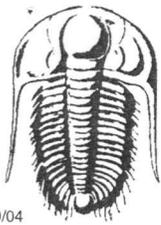
Inside

Berexco, Inc.

14--11s--33w

DST Test Number: 5





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

TNV  
7227

No 21224

## Test Ticket

Well Name & No. COOK WFD #14X Test No. #1 Date 2-23-05  
 Company BEREX CO, INC. Zone Tested L, KC, - E & F  
 Address P.O. BOX 20380 WICHITA, KS 67208 Elevation 3136 KB 3125 GL  
 Co. Rep / Geo. BRYAN BYNOG Cont. MURFIN #22 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 14 Twp. 11S Rge. 33W Co. LOGAN State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4150 To 4183 Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 63,000  
 Anchor Length 33' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth 4145 Tool Weight 2,200  
 Bottom Packer Depth 4150 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4183 Wt. Pipe Run 0 Drill Collar Run 214  
 Mud Wt. 9.3 LCM TR. Vis. 47 WL 8.8 Drill Pipe Size 4 1/2 XH. Ft. Run 3939  
 Blow Description IF - WEAK BUILT TO 3" IN. ISI - DEAD  
FF - WEAK BUILT TO 3 1/2" IN. FSI - DEAD

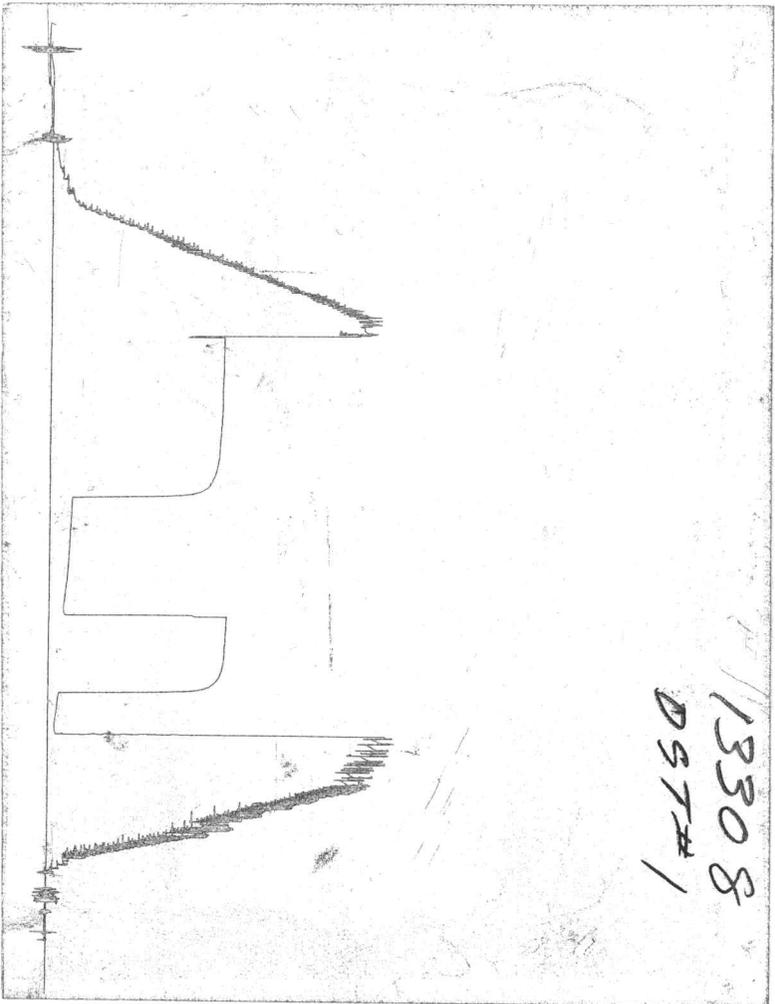
Recovery - Total Feet 254 GIP 0 Ft. in DC 214 Ft. in DP 40  
 Rec. 254 Feet of MUDDY S.W. %gas \_\_\_\_\_ %oil 75 %water 25 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 BHT 118 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .28 @ 37 °F Chlorides 45,000 ppm Recovery \_\_\_\_\_ Chlorides 3,000 ppm System

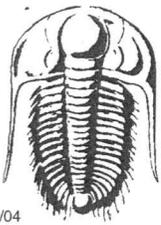
(A) Initial Hydrostatic Mud	<u>2019</u> PSI	Recorder No.	<u>6672</u>	Test	<u>B. HOLE 1000</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth)	<u>4155</u>	Jars	_____
(C) First Final Flow Pressure	<u>61</u> PSI	Recorder No.	<u>13308</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>1100</u> PSI	(depth)	<u>4180</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>63</u> PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure	<u>138</u> PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>1084</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1970</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer	_____
		Final Flow	<u>90</u>	Ruined Packer	_____
		Final Shut-In	<u>120</u>	Mileage	<u>RT. - 162 162</u>
		T-On Location	<u>09:30</u>	Sub Total:	<u>1162</u>
		T-Started	<u>11:33</u>	Std. By	<u>Jhr 90</u>
		T-Open	<u>13:54</u>	Other	_____
		T-Pulled	<u>18:58</u>	Total:	<u>1252</u>
		T-Out	<u>21:25</u>		

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Approved By Will B. Byng  
 Our Representative John F. Schmitt

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21225

9/04

## Test Ticket

Well Name & No. COOK WFO #14X Test No. #2 Date 2-24-05  
 Company BEREXCO, INC. Zone Tested L, K, H & I  
 Address \_\_\_\_\_ Elevation 3136 KB 3125 GL  
 Co. Rep / Geo. BRYAN BYNOB Cont. MURFIN #22 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 14 Twp. 115 Rge. 33w Co. LOGAN State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4200 TO 4280 Initial Str Wt./Lbs. 65,000 Unseated Str Wt./Lbs. 65,000  
 Anchor Length 80' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth 4195' Tool Weight 2,200  
 Bottom Packer Depth 4200' Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth 4280 Wt. Pipe Run 0 Drill Collar Run 214  
 Mud Wt. 9.3 LCM TR. Vis. 50 WL 8.0 Drill Pipe Size 4 1/2 XH. Ft. Run 3971  
 Blow Description IF: WEAK DEAD 25-MIN ISI: DEAD  
FF: DEAD FSI: DEAD

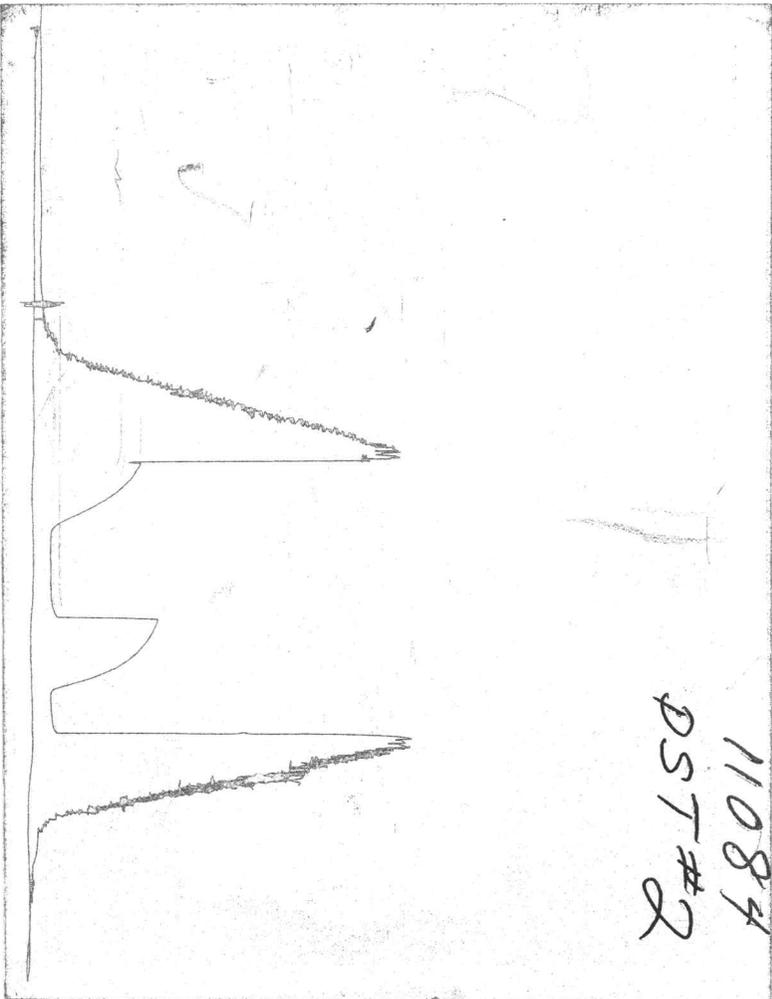
Recovery - Total Feet 10 GIP - Ft. in DC 10 Ft. in DP 0  
 Rec. 10 Feet of MUD FEW OIL SPOTS %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 111 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity 7 °API  
 RW - @ \_\_\_\_\_ °F Chlorides - ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

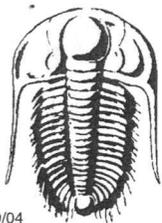
AK-1	Alpine	Recorder No.	6672	Test	B, HOLE 1000
(A) Initial Hydrostatic Mud	2078 PSI	(depth)	4204	Jars	
(B) First Initial Flow Pressure	14 PSI	Recorder No.	11084	Safety Jt.	
(C) First Final Flow Pressure	16 PSI	(depth)	4267	Circ Sub	
(D) Initial Shut-In Pressure	673 PSI	Recorder No.		Sampler	
(E) Second Initial Flow Pressure	17 PSI	(depth)		Straddle	
(F) Second Final Flow Pressure	21 PSI	Initial Opening	30	Ext. Packer	
(G) Final Shut-In Pressure	589 PSI	Initial Shut-In	60	Shale Packer	
(Q) Final Hydrostatic Mud	2010 PSI	Final Flow	60	Ruined Packer	
		Final Shut-In	60	Mileage	R.T. 18 18
		T-On Location	09:45	Sub Total:	1018
		T-Started	10:10	Std. By	
		T-Open	12:17	Other	
		T-Pulled	15:47	Total:	
		T-Out	17:57		

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Approved By [Signature]  
 Our Representative John J. Schmidt

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21826

## Test Ticket

Well Name & No. COOK W F V #14 X Test No. #3 Date 2-25-05  
 Company BEREX CO, INC. Zone Tested L, KC, J  
 Address \_\_\_\_\_ Elevation 3136 KB 3125 GL  
 Co. Rep / Geo. BRYAN BYNOG Cont. MURFIN #22 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 14 Twp. 11S Rge. 33 W Co. LOGAN State KS,  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4275 TO 4308 Initial Str Wt./Lbs. 79,000 Unseated Str Wt/Lbs. 70,000  
 Anchor Length 33' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 25,000  
 Top Packer Depth 4270 Tool Weight 2,200  
 Bottom Packer Depth 4275 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4308 Wt. Pipe Run 0 Drill Collar Run 214  
 Mud Wt. 9.3 LCM TR. Vis. 50 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run \_\_\_\_\_  
 Blow Description WEAK DEAD IN 27-MIN. FSI DEAD  
FF-DEAD FSI-DEAD

Recovery - Total Feet 10' GIP 0 Ft. in DC 10 Ft. in DP 0  
 Rec. 10' Feet of DRILLING MUD WITH %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of SPOTS OF OIL %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 \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 3,400 ppm System

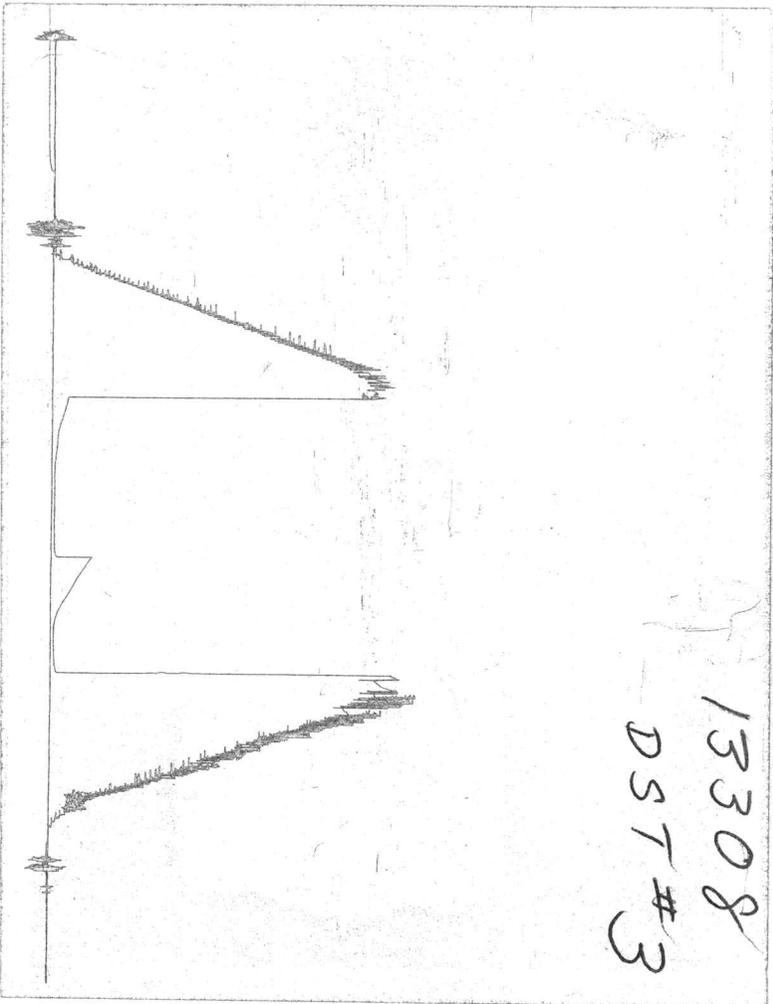
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2119</u> PSI	<u>6672</u>	<u>B, HOLE 1000</u>
(B) First Initial Flow Pressure		<u>12</u> PSI	(depth) <u>4280</u>	Jars _____
(C) First Final Flow Pressure		<u>17</u> PSI	Recorder No. <u>13308</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>280</u> PSI	(depth) <u>4305</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>20</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>23</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>127</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2000</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>R.T. 18 1/8</u>
			T-On Location <u>02:00</u>	Sub Total: <u>1018</u>
			T-Started <u>02:29</u>	Std. By <u>1/2 hr 15</u>
			T-Open <u>05:02</u>	Other _____
			T-Pulled <u>08:45</u>	Total: <u>\$1033</u>
			T-Out <u>11:37</u>	

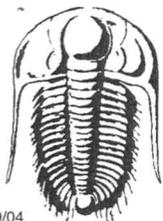
Approved By Will D Bynog  
 Our Representative John J Schmidt

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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 21827

## Test Ticket

Well Name & No. COOK W FV #14 X Test No. # 4 Date 2-25-05  
 Company BEREXCO, INC Zone Tested L.K. - K  
 Address \_\_\_\_\_ Elevation 3136 KB 3125 GL \_\_\_\_\_  
 Co. Rep / Geo. BRYAN BYNOB Cont. MURFIN #22 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 14 Twp. 11S Rge. 33W Co. LOGAN State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4300 To 4335 Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 72,000  
 Anchor Length 35' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000  
 Top Packer Depth 4295' Tool Weight 2,200  
 Bottom Packer Depth 4300' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4335 Wt. Pipe Run 0 Drill Collar Run 214'  
 Mud Wt. 9.3 LCM TR Vis. 54 WL 9.6 Drill Pipe Size 4 1/2 XH Ft. Run 4095  
 Blow Description IF - WEAK DEAD IN 15-MIN. F.S.I. - DEAD  
FF - DEAD F.S.I. - DEAD

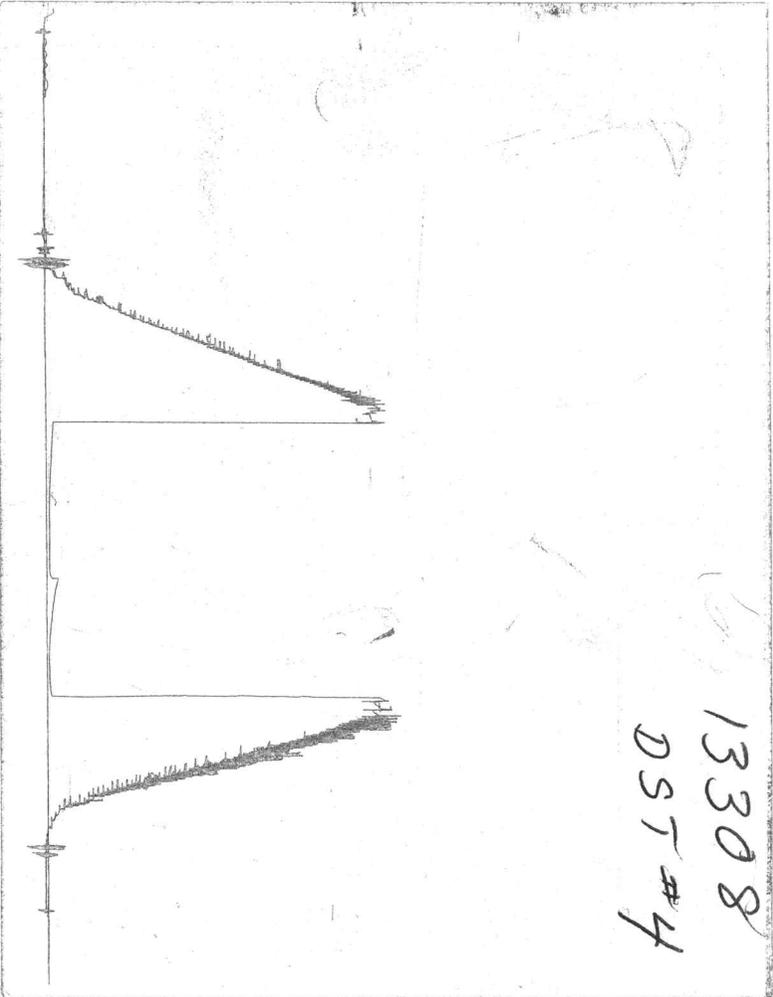
Recovery - Total Feet 5' GIP 0 Ft. in DC 5' Ft. in DP 0  
 Rec. 5 Feet of MUD WITH OIL SPOTS %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 111 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 3,700 ppm System

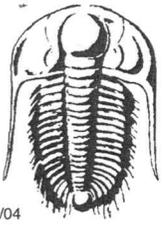
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2140</u> PSI	<u>6672</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure		<u>15</u> PSI	(depth) <u>4306</u>	Jars _____
(C) First Final Flow Pressure		<u>20</u> PSI	Recorder No. <u>13308</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>91</u> PSI	(depth) <u>4332</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>23</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>25</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>56</u> PSI	<b>Initial Opening</b> <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2058</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>R.T. 18</u>
			<b>T-On Location</b> <u>18:15</u>	Sub Total: <u>1918</u>
			T-Started <u>18:30</u>	Std. By <u>15</u>
			T-Open <u>21:11</u>	Other _____
			T-Pulled <u>00:40</u>	Total: <u>\$1033</u>
			T-Out <u>03:47</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 Will B. Bynob  
 Our Representative John F. Schmidt

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21828

## Test Ticket

Well Name & No. COOK WFU #14X Test No. #5 Date 2-27-05  
 Company BEREXCO, INC. Zone Tested JOHNSON  
 Address \_\_\_\_\_ Elevation 3136 KB 3125 GL  
 Co. Rep / Geo. BRYAN BYNOG Cont. MURFIN #22 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 14 Twp. 11S Rge. 33W Co. LOGAN State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4580 To 4670 Initial Str Wt./Lbs. 75,000 Unseated Str Wt/Lbs. 75,000  
 Anchor Length 90' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. \_\_\_\_\_  
 Top Packer Depth 4575 Tool Weight 2,200  
 Bottom Packer Depth 4580 Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth 4670 Wt. Pipe Run 0 Drill Collar Run 274  
 Mud Wt. 9.3 LCM 1/2# Vis. 52 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 4316  
 Blow Description IF.-WEAK SURF, BLOW ISE, DEAD  
FF.-DEAD F6I- DEAD

Recovery - Total Feet 120 GIP 0 Ft. in DC 120' Ft. in DP 0  
 Rec. 120 Feet of OIL SPOTTED DRILLING %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of MUD %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 119 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 3,800 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2292</u> PSI	<u>6672</u>	<u>B, HOLE 1000</u>
(B) First Initial Flow Pressure		<u>19</u> PSI	(depth) <u>4584</u>	Jars _____
(C) First Final Flow Pressure		<u>43</u> PSI	Recorder No. <u>11084</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1122</u> PSI	(depth) <u>4647</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>46</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>81</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1128</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2183</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>120</u>	Mileage <u>R.T. 18 18</u>
			T-On Location <u>07:30</u>	Sub Total: <u>1018</u>
			T-Started <u>08:18</u>	Std. By <u>1.5 hrs</u> <u>45</u>
			T-Open <u>10:20</u>	Other _____
			T-Pulled <u>14:46</u>	Total: <u>\$ 1063</u>
			T-Out <u>17:54</u>	

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Approved By WMB Bynog  
 Our Representative John J Schmidt

**CHART PAGE**

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

