



DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O.Box 20388
Wichita, Kansas. 67208

ATTN: Marin Harvey

20-30S-18W

Taves #3-20

Start Date: 2004.04.25 @ 03:54:17

End Date: 2004.04.25 @ 14:30:29

Job Ticket #: 19012 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Berexco, Inc.

Taves #3-20

20-30S-18W

DST # 1

Stotler

2004.04.25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, Inc.
 P.O.Box 20388
 Wichita, Kansas. 67208
 ATTN: Marvin Harvey

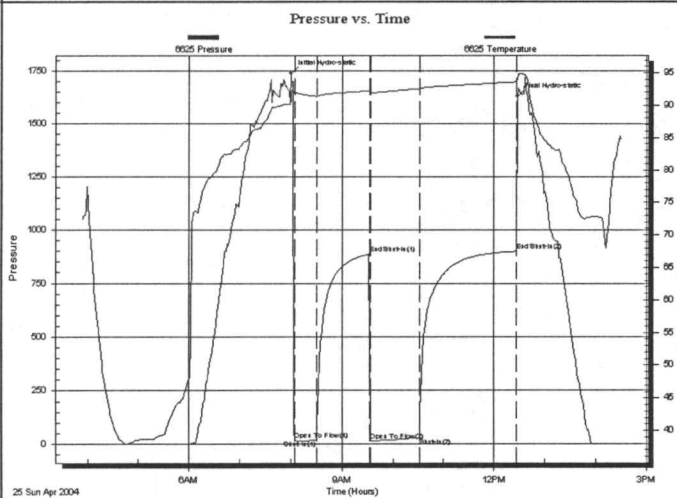
Taves #3-20
20-30S-18W
 Job Ticket: 19012 **DST#: 1**
 Test Start: 2004.04.25 @ 03:54:17

GENERAL INFORMATION:

Formation: **Stotler**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:04:44
 Time Test Ended: 14:30:29
 Interval: **3491.00 ft (KB) To 3512.00 ft (KB) (TVD)**
 Total Depth: 3512.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole
 Tester: Darren L. Amerine
 Unit No: 19
 Reference Elevations: 2176.00 ft (KB)
 2167.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**
 Press@RunDepth: 27.93 psig @ 3493.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.04.25 End Date: 2004.04.25 Last Calib.: 2004.04.25
 Start Time: 03:54:17 End Time: 14:30:29 Time On Btm: 2004.04.25 @ 07:59:44
 Time Off Btm: 2004.04.25 @ 12:27:29

TEST COMMENT: IF: Strong blow b.o.b in 2 mins.
 IS: Bled down n for 5 mins. no blow back.
 FF: Strong blow b.o.b in 10 sec. GTS in 20 mins. gauge gas.
 FS: Bled down n for 10 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.21	90.65	Initial Hydro-static
5	18.45	91.92	Open To Flow (1)
31	18.07	91.38	Shut-In (1)
93	887.29	92.24	End Shut-In (1)
94	14.31	92.01	Open To Flow (2)
152	27.93	92.58	Shut-In (2)
268	899.66	93.64	End Shut-In (2)
268	1629.04	94.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3455' of gip	0.00
40.00	GCM20% gas 80% mud	0.56

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	5.00	7.26
Max. Gas Rate	0.13	5.00	7.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 19012 **DST#: 1**
Test Start: 2004.04.25 @ 03:54:17

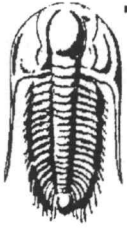
Tool Information

Drill Pipe:	Length: 3495.00 ft	Diameter: 3.80 inches	Volume: 49.03 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 49.03 bbl</u>	Tool Chased 16.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3491.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	42.00 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			3471.00	
Shut In Tool	5.00			3476.00	
Hydraulic tool	5.00			3481.00	
Packer	5.00			3486.00	21.00 Bottom Of Top Packer
Packer	5.00			3491.00	
Stubb	2.00			3493.00	
Recorder	0.00	6625	Inside	3493.00	
Anchor	16.00			3509.00	
Recorder	0.00	10991	Outside	3509.00	
Bullnose	3.00			3512.00	21.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 19012 **DST#: 1**
Test Start: 2004.04.25 @ 03:54:17

Mud and Cushion Information

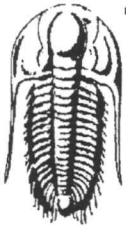
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in ³	Gas Cushion Type:		
Resistivity: 1.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3455' of gip	0.000
40.00	GCM20% gas 80% mud	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl
 Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Caraway Laboratory Location: Liberal, KS
 Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 19012 **DST#: 1**
Test Start: 2004.04.25 @ 03:54:17

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)
2	30	0.13	2.00	6.14
2	30	0.13	2.00	6.14
2	30	0.13	2.00	6.14
2	40	0.13	3.00	6.51
2	50	0.13	5.00	7.26

Serial #: 6625

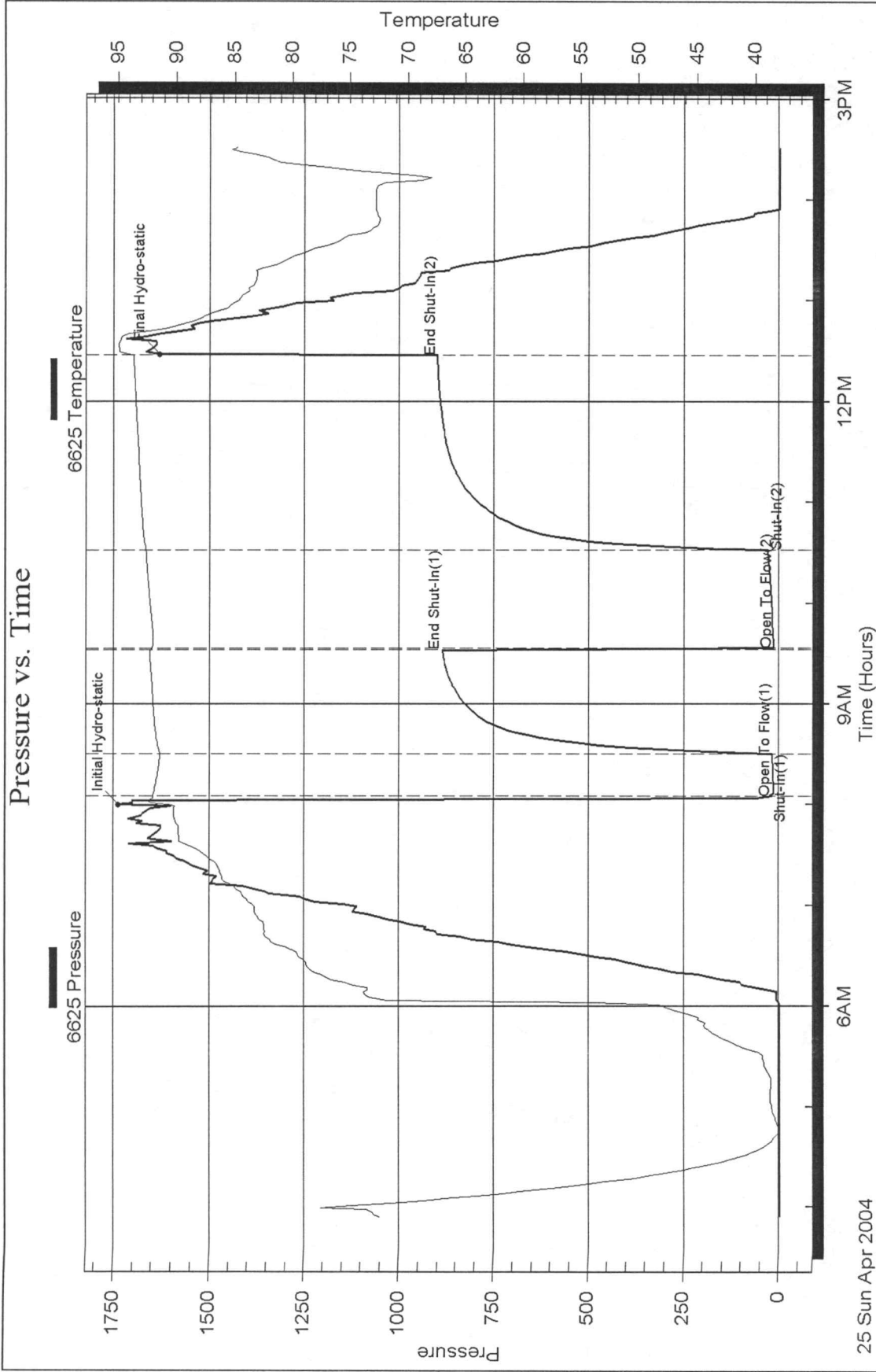
Inside

Berexco, Inc.

20-30S-18W

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O.Box 20388
Wichita, Kansas. 67208

ATTN: Marvin Harvey

20-30S-18W

Taves #3-20

Start Date: 2004.04.28 @ 22:10:15

End Date: 2004.04.29 @ 07:49:45

Job Ticket #: 18299 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Berexco, Inc.

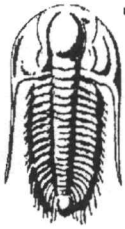
Taves #3-20

20-30S-18W

DST # 2

Marmaton

2004.04.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

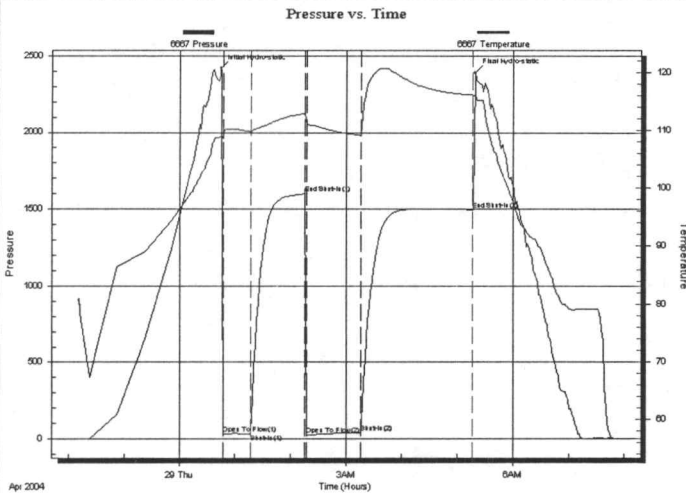
Taves #3-20
20-30S-18W
Job Ticket: 18299 **DST#: 2**
Test Start: 2004.04.28 @ 22:10:15

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:47:45
Time Test Ended: 07:49:45
Interval: **4840.00 ft (KB) To 4867.00 ft (KB) (TVD)**
Total Depth: 4867.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Blake Wallace
Unit No: 30
Reference Elevations: 2176.00 ft (KB)
2167.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6667 **Inside**
Press@RunDepth: 38.69 psig @ 4842.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.04.28 End Date: 2004.04.29 Last Calib.: 1899.12.30
Start Time: 22:10:16 End Time: 07:49:45 Time On Btm: 2004.04.29 @ 00:44:45
Time Off Btm: 2004.04.29 @ 05:18:45

TEST COMMENT: IF-strong blow BOB 1 min GTS 28 min
IS-no blow back
FF-strong blow BOB as soon as open
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2418.52	108.85	Initial Hydro-static
3	30.64	109.47	Open To Flow (1)
32	33.28	109.66	Shut-In(1)
91	1599.03	112.84	End Shut-In(1)
93	26.39	110.94	Open To Flow (2)
151	38.69	109.04	Shut-In(2)
272	1496.71	116.02	End Shut-In(2)
274	2390.80	115.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	100% Mud	0.56

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.50	5.95
Last Gas Rate	0.13	3.00	6.51
Max. Gas Rate	0.13	3.00	6.51



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 18299 **DST#: 2**
Test Start: 2004.04.28 @ 22:10:15

Tool Information

Drill Pipe:	Length: 4838.00 ft	Diameter: 3.80 inches	Volume: 67.86 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 67.86 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4840.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4818.00	
Hydraulic tool	5.00			4823.00	
Jars	5.00			4828.00	
Safety Joint	3.00			4831.00	
Packer	5.00			4836.00	27.00 Bottom Of Top Packer
Packer	4.00			4840.00	
Stubb	1.00			4841.00	
Perforations	1.00			4842.00	
Recorder	0.00	6667	Inside	4842.00	
Perforations	22.00			4864.00	
Recorder	0.00	11019		4864.00	
Bullnose	3.00			4867.00	27.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 18299 **DST#: 2**
Test Start: 2004.04.28 @ 22:10:15

Mud and Cushion Information

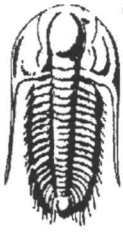
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	100% Mud	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl
 Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Caraway Laboratory Location: Liberal, KS
 Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Berexco, Inc.

Taves #3-20

P.O.Box 20388
Wichita, Kansas 67208

20-30S-18W

Job Ticket: 18299

DST#: 2

ATTN: Marvin Harvey

Test Start: 2004.04.28 @ 22:10:15

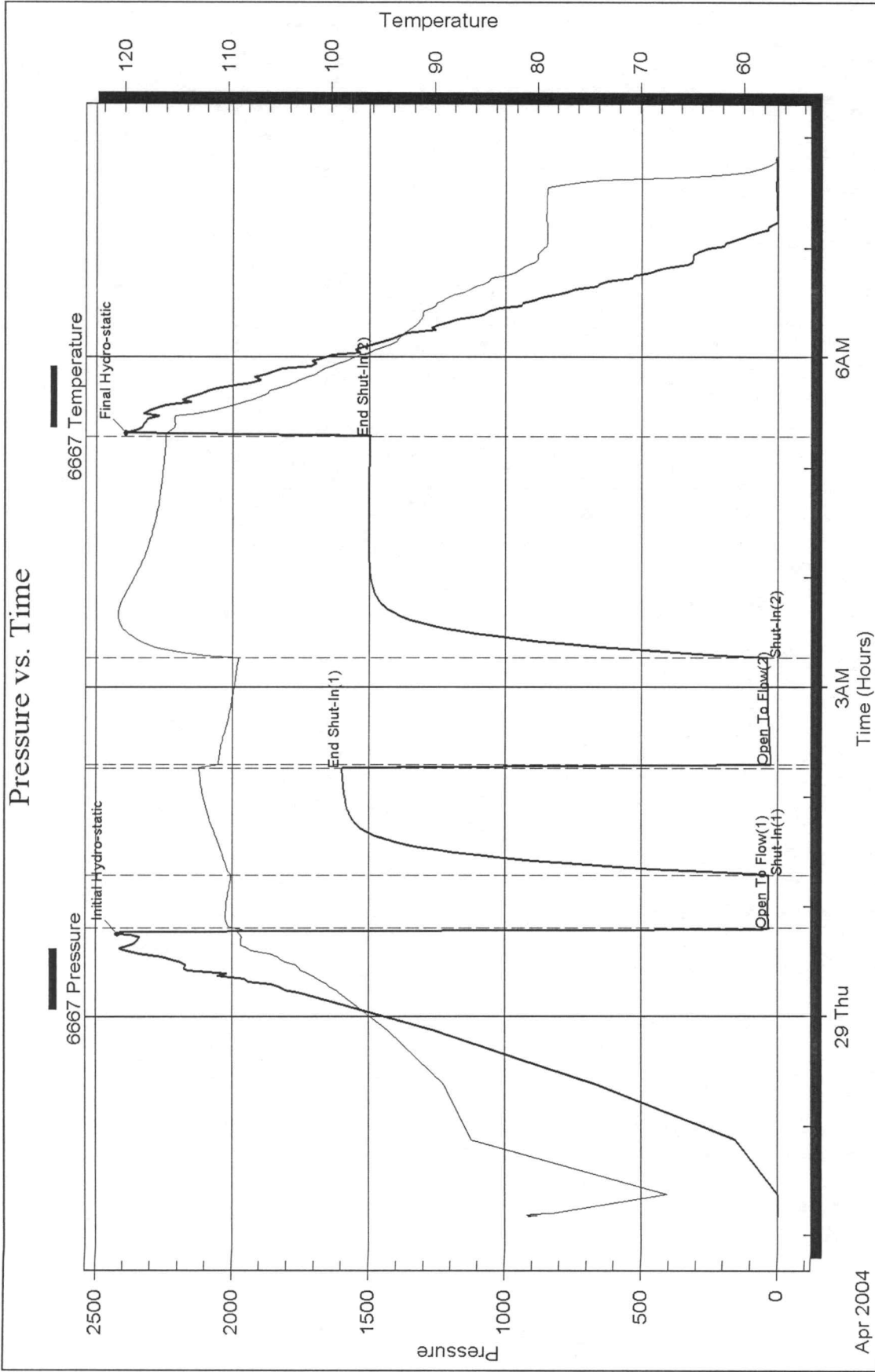
Gas Rates Information

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)
2	10	0.13	1.50	5.95
2	20	0.13	2.00	6.14
2	30	0.13	2.00	6.14
2	40	0.13	2.50	6.33
2	50	0.13	3.00	6.51
2	60	0.13	3.00	6.51

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O.Box 20388
Wichita, Kansas. 67208

ATTN: Marvin Harvey

20-30S-18W

Taves #3-20

Start Date: 2004.04.30 @ 06:56:42

End Date: 2004.04.30 @ 17:05:57

Job Ticket #: 19016 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

Berexco, Inc.
 P.O.Box 20388
 Wichita, Kansas. 67208
 ATTN: Marvin Harvey

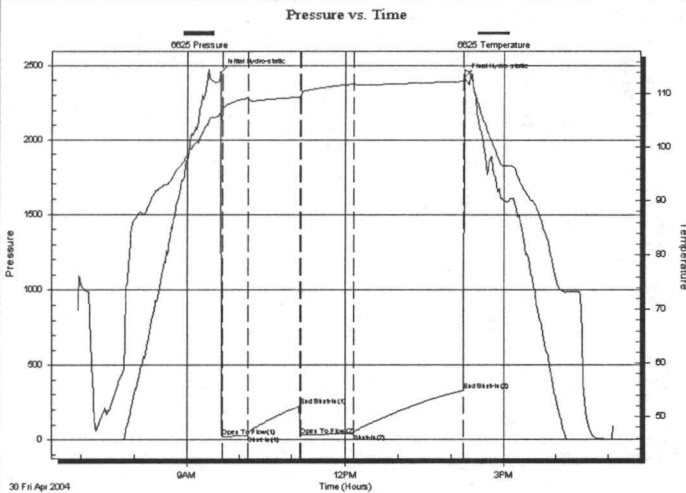
Taves #3-20
20-30S-18W
 Job Ticket: 19016 **DST#: 3**
 Test Start: 2004.04.30 @ 06:56:42

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:40:42
 Time Test Ended: 17:05:57
 Interval: **4967.00 ft (KB) To 5030.00 ft (KB) (TVD)**
 Total Depth: 5030.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Darren L. Amerine
 Unit No: 19
 Reference Elevations: 2176.00 ft (KB)
 2167.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 38.98 psig @ 4969.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.04.30 End Date: 2004.04.30 Last Calib.: 2004.04.30
 Start Time: 06:56:45 End Time: 17:05:57 Time On Btm: 2004.04.30 @ 09:38:57
 Time Off Btm: 2004.04.30 @ 14:15:27

TEST COMMENT: IF: Fair blow built to b.o.b in 5 mins.
 IS: Bled down n for 5 mins. weak surface blow back.
 FF: Strong blow b.o.b in 30 sec.
 FS: Bled down n for 5 mins.



PRESSURE SUMMARY

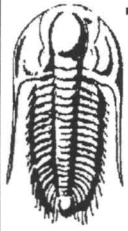
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2451.42	105.98	Initial Hydro-static
2	17.50	106.49	Open To Flow (1)
31	27.03	109.24	Shut-In(1)
90	223.94	109.34	End Shut-In(1)
91	29.56	109.54	Open To Flow (2)
151	38.98	111.82	Shut-In(2)
276	329.28	112.30	End Shut-In(2)
277	2424.51	114.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1000' of gip	0.00
60.00	SG&OCM 10gas 10%oil 80%mud	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 19016 **DST#: 3**
Test Start: 2004.04.30 @ 06:56:42

Tool Information

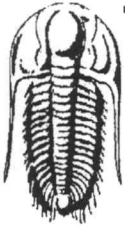
Drill Pipe:	Length: 4958.00 ft	Diameter: 3.80 inches	Volume: 69.55 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 69.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4967.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	92.00 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			4939.00	
Shut In Tool	5.00			4944.00	
Hydraulic tool	5.00			4949.00	
Jars	5.00			4954.00	
Safety Joint	3.00			4957.00	
Packer	5.00			4962.00	29.00 Bottom Of Top Packer
Packer	5.00			4967.00	
Stubb	2.00			4969.00	
Recorder	0.00	6625	Inside	4969.00	
Anchor	27.00			4996.00	
Recorder	0.00	10991	Outside	4996.00	
Blank Spacing	31.00			5027.00	
Bullnose	3.00			5030.00	63.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 19016 **DST#: 3**
Test Start: 2004.04.30 @ 06:56:42

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: 0.90 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1000'of gip	0.000
60.00	SG&OCM 10gas 10%oil 80%mud	0.842

Total Length: 60.00 ft Total Volume: 0.842 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6625

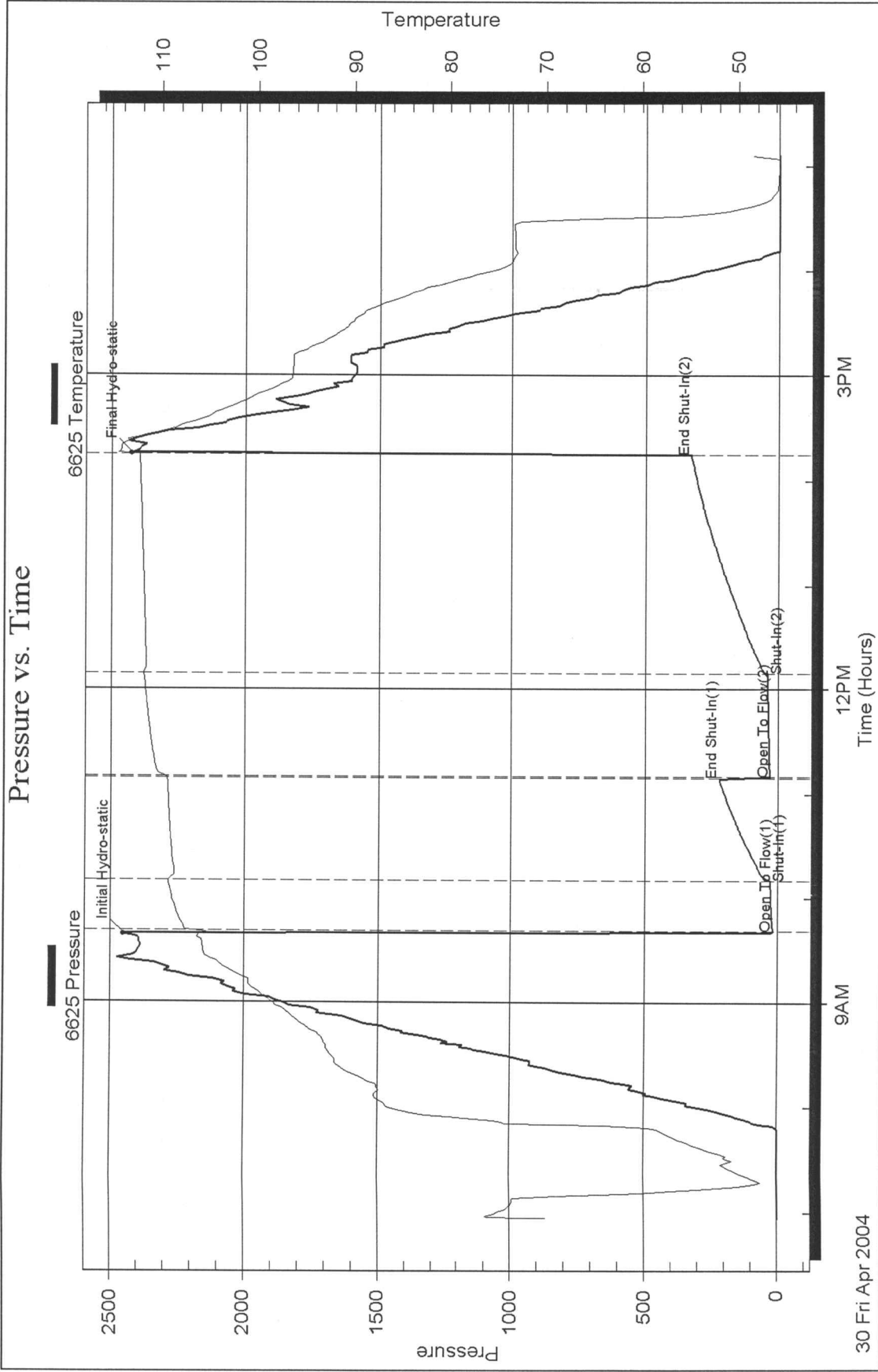
Inside

Berexco, Inc.

20-30S-18W

DST Test Number: 3

Pressure vs. Time



30 Fri Apr 2004

9AM

12PM

3PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Berexco, Inc.**

P.O.Box 20388
Wichita, Kansas. 67208

ATTN: Marvin Harvey

20-30S-18W

Taves #3-20

Start Date: 2004.05.01 @ 01:43:09

End Date: 2004.05.01 @ 09:30:21

Job Ticket #: 19017 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

Berexco, Inc.
 P.O.Box 20388
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 ATTN: Marvin Harvey

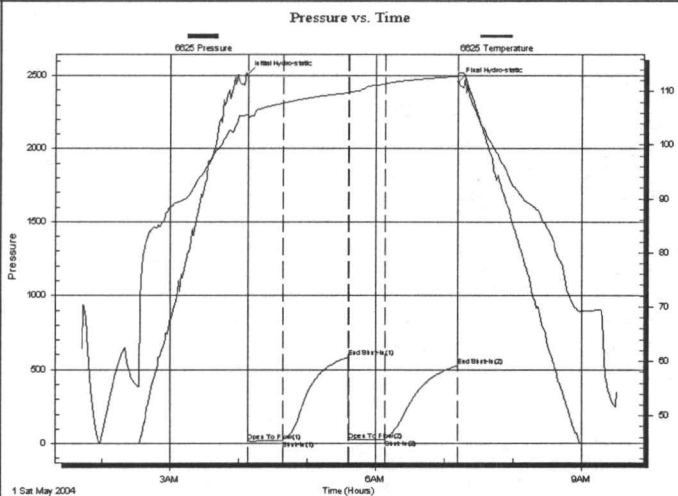
Taves #3-20
20-30S-18W
 Job Ticket: 19017 **DST#: 4**
 Test Start: 2004.05.01 @ 01:43:09

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:08:21
 Time Test Ended: 09:30:21
 Interval: **5026.00 ft (KB) To 5045.00 ft (KB) (TVD)**
 Total Depth: 5045.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Darren L. Amerine
 Unit No: 19
 Reference Elevations: 2176.00 ft (KB)
 2167.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**
 Press@RunDepth: 30.33 psig @ 5028.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.05.01 End Date: 2004.05.01 Last Calib.: 2004.05.01
 Start Time: 01:43:09 End Time: 09:30:21 Time On Btm: 2004.05.01 @ 04:07:06
 Time Off Btm: 2004.05.01 @ 07:12:06

TEST COMMENT: IF: Weak blow built to 2" in H2O bucket.
 IS: Bled down n for 5 mins. no blow back.
 FF: Weak blow built to 1/2" in H2O bucket.
 FS: Bled down n for 5 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2506.08	105.56	Initial Hydro-static
2	16.49	104.50	Open To Flow (1)
32	22.75	107.78	Shut-In (1)
89	582.19	109.71	End Shut-In (1)
90	22.16	109.87	Open To Flow (2)
121	30.33	111.41	Shut-In (2)
185	527.13	112.77	End Shut-In (2)
185	2459.96	113.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Trace of gip	0.00
40.00	SG&OCM 10% gas 10% oil 80% mud	0.56

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 19017 **DST#: 4**
Test Start: 2004.05.01 @ 01:43:09

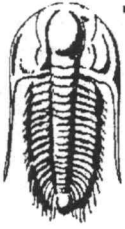
Tool Information

Drill Pipe:	Length: 5022.00 ft	Diameter: 3.80 inches	Volume: 70.45 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 70.45 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5026.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	48.00 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			4998.00	
Shut In Tool	5.00			5003.00	
Hydraulic tool	5.00			5008.00	
Jars	5.00			5013.00	
Safety Joint	3.00			5016.00	
Packer	5.00			5021.00	29.00 Bottom Of Top Packer
Packer	5.00			5026.00	
Stubb	2.00			5028.00	
Recorder	0.00	6625	Inside	5028.00	
Anchor	14.00			5042.00	
Recorder	0.00	10991	Outside	5042.00	
Bullnose	3.00			5045.00	19.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, Inc.
P.O.Box 20388
Wichita, Kansas. 67208
ATTN: Marvin Harvey

Taves #3-20
20-30S-18W
Job Ticket: 19017 **DST#: 4**
Test Start: 2004.05.01 @ 01:43:09

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: 0.90 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Trace of gip	0.000
40.00	SG&OCM 10%gas 10%oil 80%mud	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

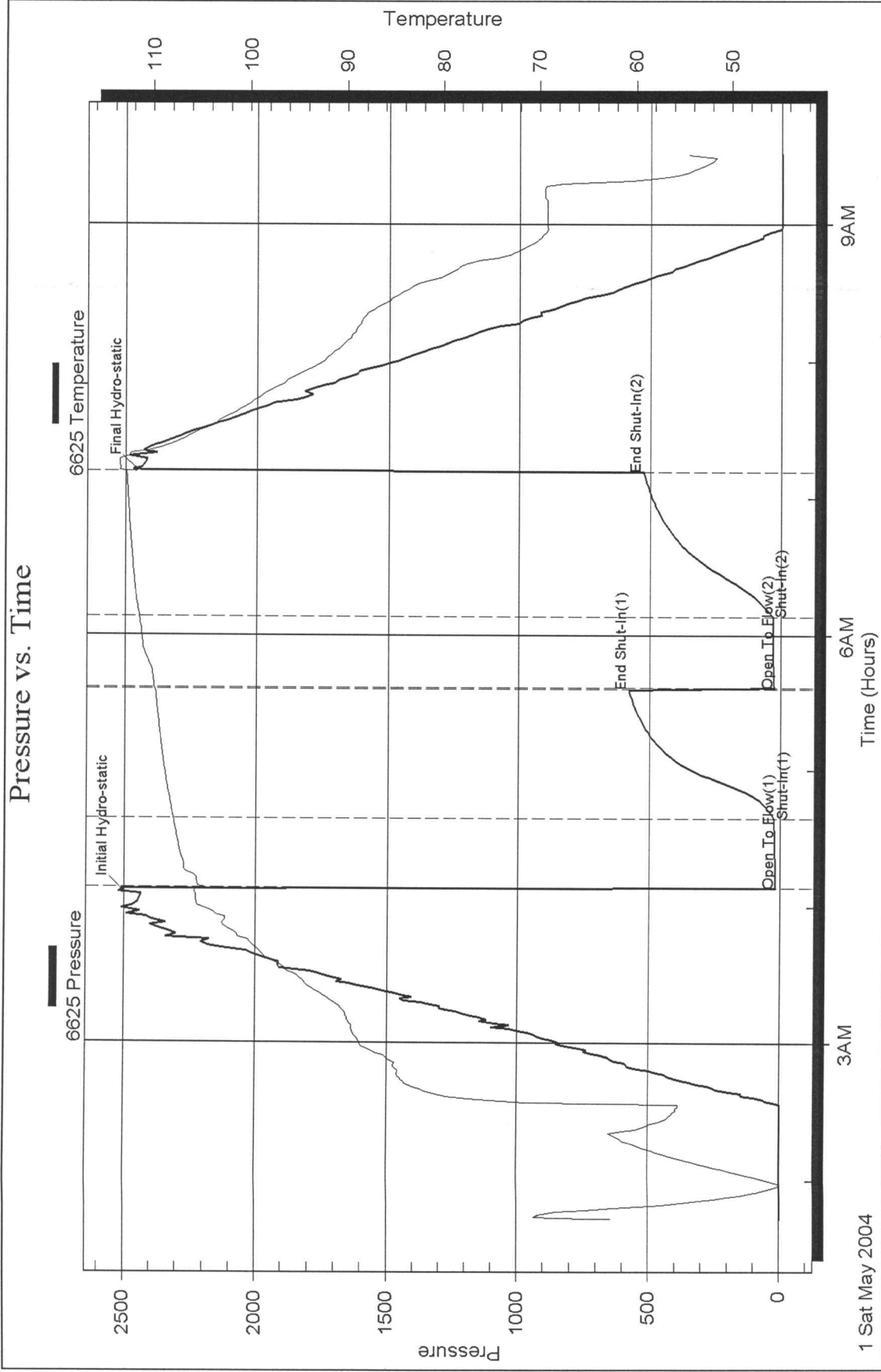
Serial #: 6625

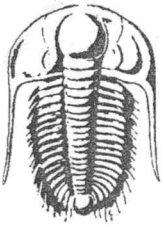
Inside

Berexco, Inc.

20-30S-18W

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6377

No. 19012

05/03

Test Ticket

Well Name & No. Taves #3-20 Test No. #1 Date 4-25-04
 Company Berexco Inc. P.O. box 20380 Zone Tested Stotter
 Address Wichita, Ks. 67208. Elevation 2176 KB 2167 GL
 Co. Rep / Geo. Marvin Harvey Cont. Duke #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 20 Twp. 30S Rge. 18W Co. Kiowa, Co. State KS
 No. of Copies 5 Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3491' - 3512' Initial Str Wt./Lbs. 58000 Unseated Str Wt/Lbs. 58,000
 Anchor Length 21' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth 3486' Tool Weight 2100
 Bottom Packer Depth 3491' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3512' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.1 LCM 0 Vis. 42 WL N/A Drill Pipe Size 4 1/2 x H Ft. Run 3495.0

Blow Description FF: Strong blow b.o.b in 2 mins.
ISI: Bled down for 5 mins No blow back.
FF: Strong blow b.o.b in 10 sec. BTS in 20 mins. Gauge Gas.
ISI: Bled down for 10 mins. No blow

Recovery - Total Feet 40' GIP 3455' Ft. in DC N/A Ft. in DP 40'
 Rec. 40' Feet of 6CDM 20 %gas %oil %water 80 %mud
 Rec. 3455' Feet of GIP %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 94° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1500 ppm System

	AK-1	Alpine	PSI	Recorder No.	Test	700
(A) Initial Hydrostatic Mud		1736		6625	✓	
(B) First Initial Flow Pressure		18		(depth) 3493'	✓	150
(C) First Final Flow Pressure		18		Recorder No. 10991		
(D) Initial Shut-In Pressure		887		(depth) 3509'		
(E) Second Initial Flow Pressure		14		Recorder No.		
(F) Second Final Flow Pressure		28		(depth)		
(G) Final Shut-In Pressure		900		Initial Opening		
(Q) Final Hydrostatic Mud		1629		Initial Shut-In		
				Final Flow		
				Final Shut-In		
				T-On Location		
				T-Started		
				T-Open		
				T-Pulled		
				T-Out		

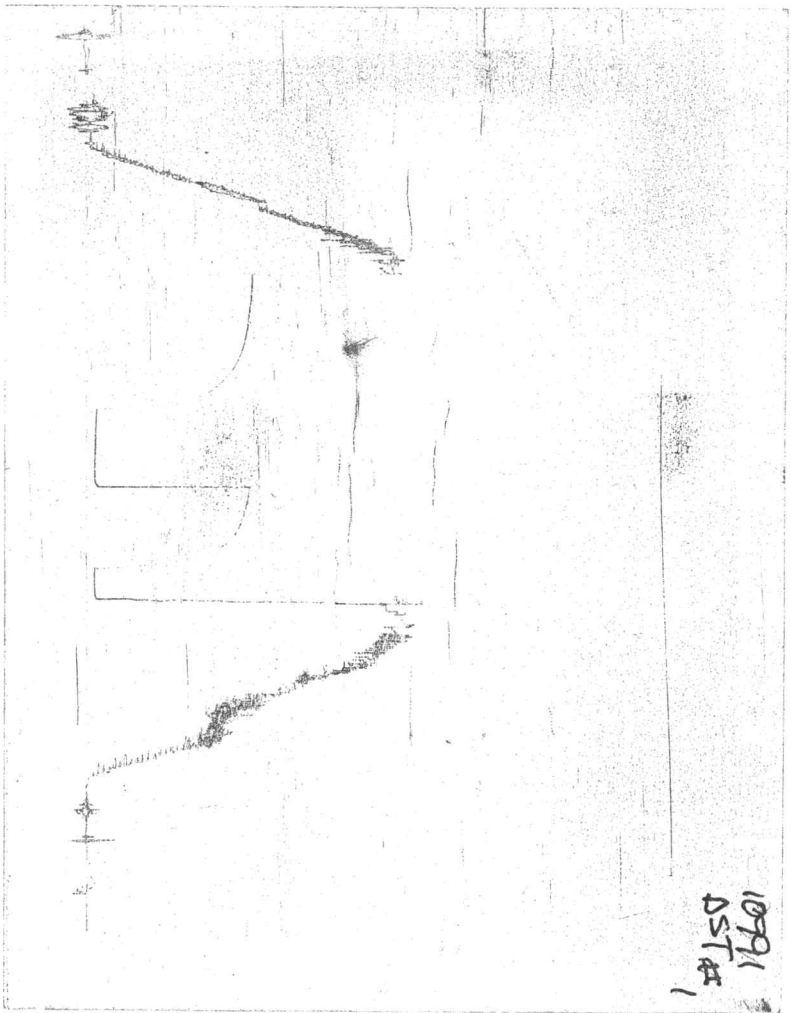
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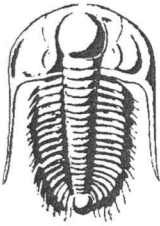
Approved By Marvin Harvey
 Our Representative Darren J. Carmine

Mileage 4998 83.30
 Sub Total: 1083.30
 Std. By 3 1/4 97.50
 Total: 1180.80

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18299

05/03

Test Ticket

Well Name & No. TAVES #3-20 Test No. 2 Date 4-28-04
 Company BEREXCO INC Zone Tested MARIMINGTON
 Address P.O. Box 20380 WICHITA KS 67208 Elevation 2179' KB 2167' GL
 Co. Rep / Geo. MARVIN HARVEY Cont. DUKE RIG #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 20 Twp. 30 Rge. 18 Co. KIOWA State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4840' - 4867' Initial Str Wt./Lbs. 71000 Unseated Str Wt./Lbs. 71000
 Anchor Length 27' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth 4835' Tool Weight 1800
 Bottom Packer Depth 4840' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4867' Wt. Pipe Run N/A Drill Collar Run -0-
 Mud Wt. 9.3 LCM 2 1/2 Vis. 46 WL 10.4 Drill Pipe Size 4.5 X H Ft. Run 4838'
 Blow Description 17-Strong blow BOB 1 min GTS 28 min
ISI- NO blow back
17-Strong blow BOB AS SOON AS OPEN
ISI- NO blow back

Recovery - Total Feet 40' GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 40' Feet of MUC %gas _____ %oil _____ %water 100% %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 116 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5000 ppm System

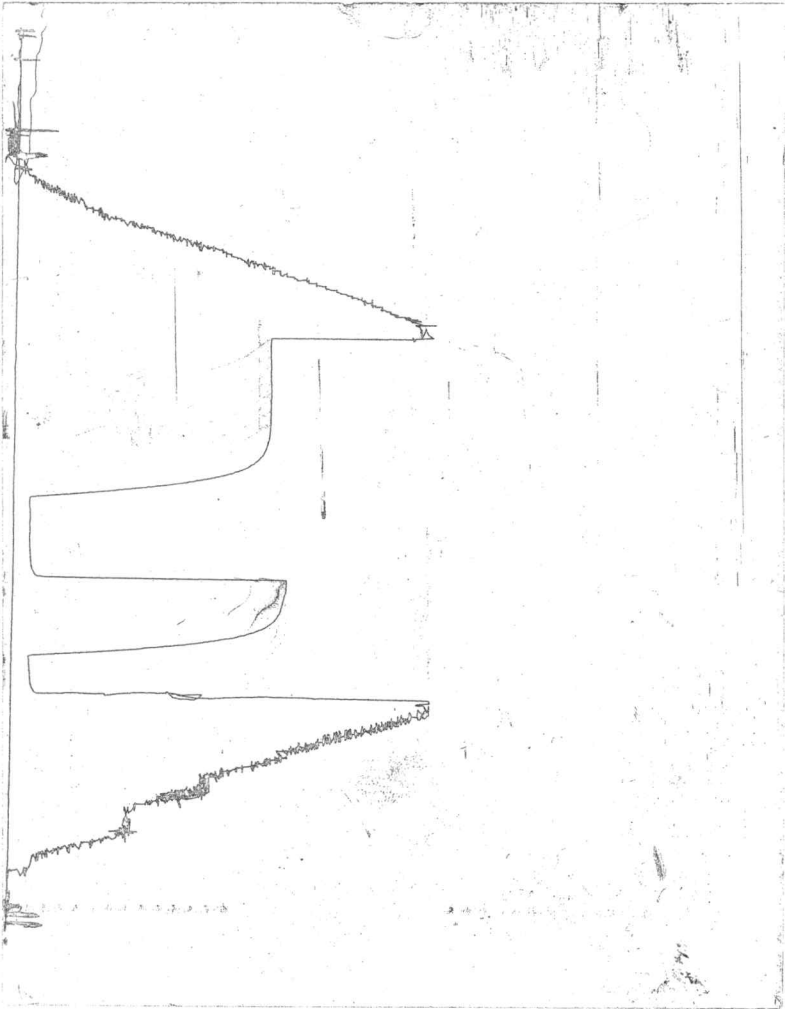
(A) Initial Hydrostatic Mud	Alpine <u>2418</u> PSI	Recorder No.	<u>66667</u>	Test	✓ <u>CONVENTIONAL</u>
(B) First Initial Flow Pressure	<u>30</u> PSI	(depth)	<u>4842'</u>	Elec. Rec.	✓
(C) First Final Flow Pressure	<u>33</u> PSI	Recorder No.	<u>11019</u>	Jars	✓
(D) Initial Shut-In Pressure	<u>1599</u> PSI	(depth)	<u>4864'</u>	Safety Jt.	✓
(E) Second Initial Flow Pressure	<u>26</u> PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	<u>38</u> PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	<u>1496</u> PSI	Initial Opening	<u>30</u>	Straddle	
(Q) Final Hydrostatic Mud	<u>2390</u> PSI	Initial Shut-In	<u>60</u>	Ext. Packer	
		Final Flow	<u>60</u>	Shale Packer	✓ <u>1</u>
		Final Shut-In	<u>180</u>	Mileage	✓ <u>\$45.00</u>
		T-On Location	<u>20:15</u>	Sub Total:	<u>\$1395.00</u> 1683.
		T-Started	<u>28:10</u>	Std. By	<u>2 1/2 hrs</u> 75
		T-Open	<u>24:45</u>	Other	<u>1 Spike Luvette</u>
		T-Pulled	<u>05:15</u>	Total:	<u>\$1720.00</u> 1758.
		T-Out	<u>08:00</u>		

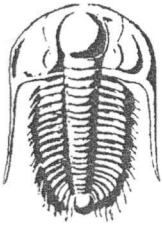
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Approved By Marvin Harvey
 Our Representative Bob Wallace

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19016

05/03

Test Ticket

Well Name & No. Taves #3-20 Test No. #3 Date 4-30-09
 Company Berexco, Inc. P.O. Box 20380 Zone Tested Miss.
 Address Wichita, Ks. 67208 Elevation 2176 KB 2167 GL
 Co. Rep / Geo. Marvin Harvey Cont. Duke #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 20 Twp. 30^S Rge. 18^W Co. Kiowa, Co. State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4967' - 5030' Initial Str Wt./Lbs. 70000 Unseated Str Wt./Lbs. 70000
 Anchor Length 63' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth 4962' Tool Weight 2100
 Bottom Packer Depth 4967' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5030 Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.2 LCM 3# Vis. 56 WL 9.2 Drill Pipe Size 4 1/2 x H Ft. Run 4958

Blow Description IF: Fair blow b.o.b in 5 mins.
ISF: Blad down for 5 mins. Heat surface blow back.
FF: Strong blow b.o.b in 30 sec.
FSI: Blad down for 5 mins. No blow back.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>60'</u>	<u>1000'</u>		
Rec. <u>60</u> Feet of <u>5650CM</u>	<u>10</u> %gas	<u>10</u> %oil	<u>80</u> %water %mud
Rec. <u>1000'</u> Feet of <u>67P</u>	%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 112 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6000 ppm System

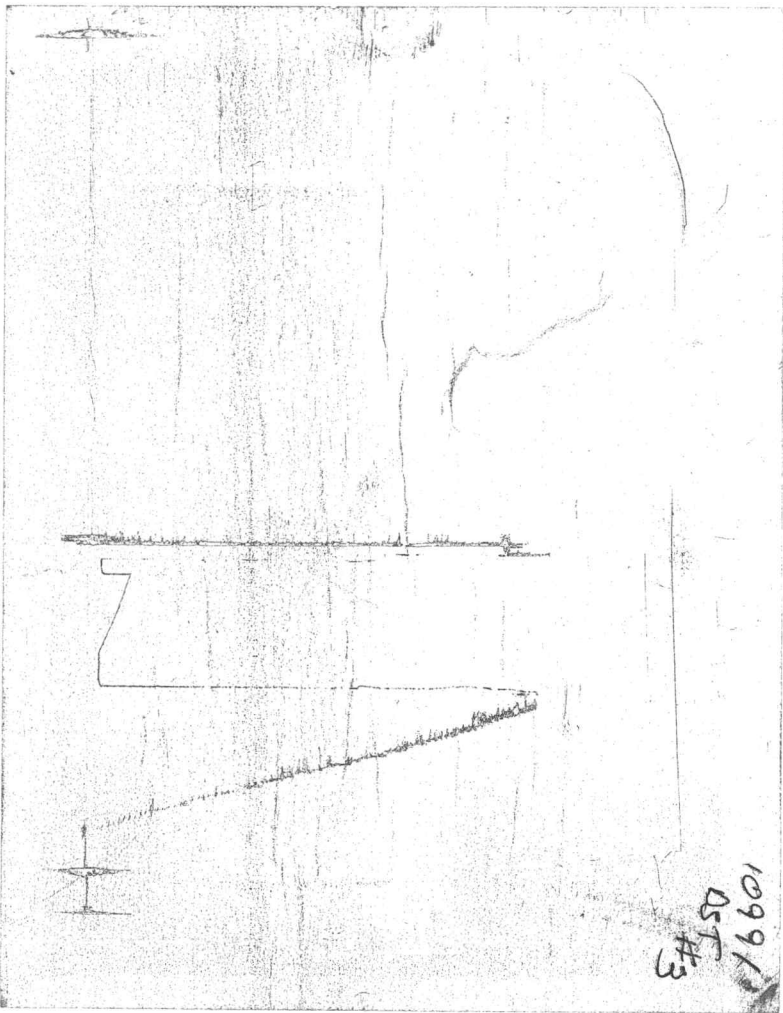
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2451</u>	PSI	<u>6625</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>18</u>	PSI	(depth) <u>4969'</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>27</u>	PSI	Recorder No. <u>10991</u>	Jars <input checked="" type="checkbox"/>
(D) Initial Shut-In Pressure	<u>224</u>	PSI	(depth) <u>4996'</u>	Safety Jt. <input checked="" type="checkbox"/>
(E) Second Initial Flow Pressure	<u>30</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>39</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>329</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2425</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer <input checked="" type="checkbox"/>
			Final Shut-In <u>120</u>	Mileage <u>1533.30</u>
			T-On Location <u>0500</u>	Sub Total: <u>60</u>
			T-Started <u>0656</u>	Std. By <u>2hr</u>
			T-Open <u>0933</u>	Other _____
			T-Pulled <u>1403</u>	Total: <u>\$1593.30</u>
			T-Out <u>1705</u>	

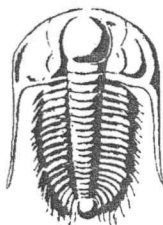
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Approved By Marvin Harvey
 Our Representative Darren Ammerino

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19017

05/03

Test Ticket

Well Name & No. Taves # 3-20 Test No. #4 Date 5-1-04
 Company Berexco Inc. P.O. box 20380 Zone Tested MISS.
 Address Wichita, Ks. 67208 Elevation 2176 KB 2167 GL
 Co. Rep / Geo. Marvin Harvey Cont. Duke #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 20 Twp. 30 S Rge. 18 W Co. kiowa, Co. State KS.
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5026-5045' Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 70000
 Anchor Length 19' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth 5021' Tool Weight 2100
 Bottom Packer Depth 5026' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 5045' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.2 LCM 3# Vis. 56 WL 9.2 Drill Pipe Size 4 1/2 x H Ft. Run 5022'

Blow Description IF: Weak blow built to 2" in #20 bucket.
ISI: Bled down for 5 mins. No blow back.
FF: Weak blow built to 1/2" in #20 bucket.
FST: Bled down for 5 mins. No blow back.

Recovery - Total Feet 40' GIP Trace Ft. in DC N/A Ft. in DP 40'
 Rec. 40 Feet of SG 50CM 10 %gas 10 %oil _____ %water 80 %mud
 Rec. Trace Feet of GIP %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 113° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2506</u> PSI	<u>6625</u>	✓
(B) First Initial Flow Pressure		<u>17</u> PSI	(depth) <u>5028'</u>	✓
(C) First Final Flow Pressure		<u>23</u> PSI	Recorder No. <u>10991</u>	✓
(D) Initial Shut-In Pressure		<u>581</u> PSI	(depth) <u>5042'</u>	✓
(E) Second Initial Flow Pressure		<u>22</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>30</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>527</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2460</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____

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Approved By Marvin Harvey
 Our Representative Darren D. Shmerine

Final Flow	<u>30</u>	Shale Packer	✓
Final Shut-In	<u>60</u>	Mileage	<u>1533.30</u>
T-On Location	<u>0100</u>	Sub Total:	_____
T-Started	<u>0143</u>	Std. By	_____
T-Open	<u>0400</u>	Other	_____
T-Pulled	<u>0700</u>	Total:	_____
T-Out	<u>0930</u>		

CHART PAGE

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

