

DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Dev.**

P.O.Box 150
Bogue, Ks. 67625

ATTN: Mike Davignon

1-13s-21w Trego KS

Cromb # B-2

Start Date: 2004.01.23 @ 10:32:48

End Date: 2004.01.23 @ 16:48:18

Job Ticket #: 18260 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

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

ATTN: Mike Davignon

Job Ticket: 18260

DST#: 1

Test Start: 2004.01.23 @ 10:32:48

GENERAL INFORMATION:

Formation: **Topeka**

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

Time Tool Opened: 12:23:18

Time Test Ended: 16:48:18

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: 3195.00 ft (KB) To 3220.00 ft (KB) (TVD)

Total Depth: **3220.00 ft (KB) (TVD)**

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

Reference Elevations: **2174.00 ft (KB)**

2169.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **31.44 psig @ 3197.00 ft (KB)**

Start Date: **2004.01.23**

End Date: **2004.01.23**

Start Time: **10:32:50**

End Time: **16:48:18**

Capacity: **7000.00 psig**

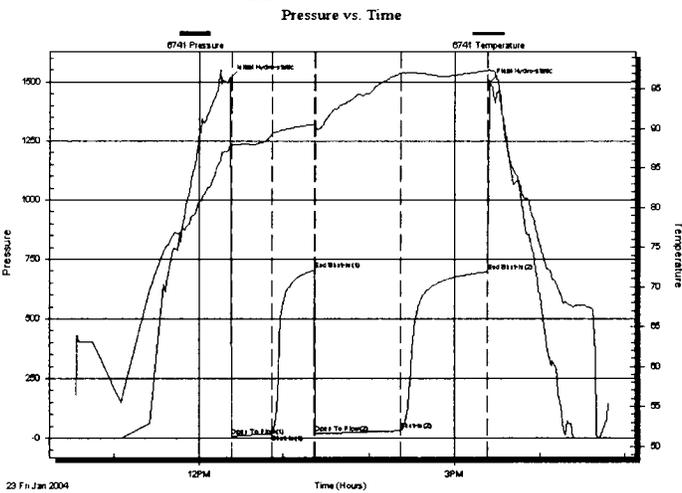
Last Calib.: **2004.01.23**

Time On Btm: **2004.01.23 @ 12:22:18**

Time Off Btm: **2004.01.23 @ 15:24:18**

TEST COMMENT: FF-Weak 1/2" blow
FF-Weak 1" blow

IS-Very weak blow back.
FS-Very weak blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1515.37	87.93	Initial Hydro-static
1	8.64	87.87	Open To Flow (1)
30	17.57	89.35	Shut-In(1)
60	703.41	90.55	End Shut-In(1)
60	18.52	90.30	Open To Flow (2)
120	31.44	96.96	Shut-In(2)
181	696.53	97.35	End Shut-In(2)
182	1501.30	97.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Muddy salt water 30%M-70%W	0.20

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18260

DST#: 1

ATTN: Mike Davignon

Test Start: 2004.01.23 @ 10:32:48

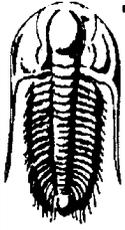
Tool Information

Drill Pipe:	Length: 3018.00 ft	Diameter: 3.80 inches	Volume: 42.33 bbl	Tool Weight: 2100.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3195.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 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			3176.00	
Shut In Tool	5.00			3181.00	
Hydraulic tool	5.00			3186.00	
Packer	4.00			3190.00	20.00 Bottom Of Top Packer
Packer	5.00			3195.00	
Stubb	1.00			3196.00	
Perforations	1.00			3197.00	
Recorder	0.00	6741	Inside	3197.00	
Perforations	20.00			3217.00	
Recorder	0.00	13308	Outside	3217.00	
Bullnose	3.00			3220.00	25.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18260

DST#: 1

ATTN: Mike Davignon

Test Start: 2004.01.23 @ 10:32:48

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:	48000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Muddy salt water 30%M--70%W	0.197

Total Length: 40.00 ft Total Volume: 0.197 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6741

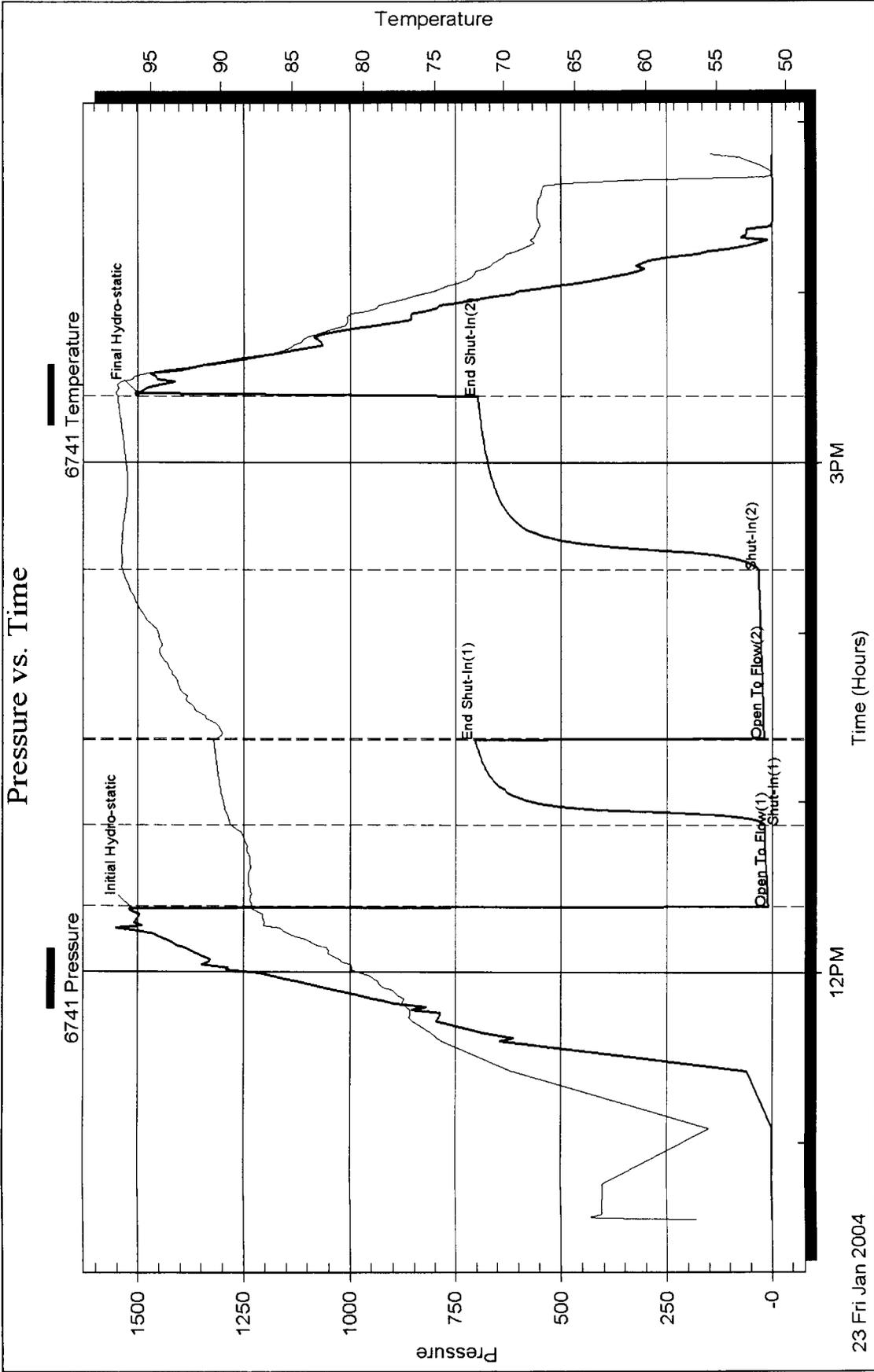
Inside

Great Eastern Energy Dev.

1-13s-21w Trego KS

DST Test Number: 1

Pressure vs. Time

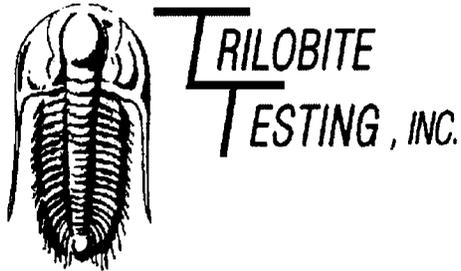


23 Fri Jan 2004

12PM

Time (Hours)

3PM



DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Dev.**

P.O.Box 150
Bogue, Ks. 67625

ATTN: Mike Davignon

1-13s-21w Trego KS

Cromb # B-2

Start Date: 2004.01.24 @ 15:58:55

End Date: 2004.01.24 @ 21:17:25

Job Ticket #: 18261 DST #: 2

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

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18261

DST#: 2

ATTN: Mike Davignon

Test Start: 2004.01.24 @ 15:58:55

GENERAL INFORMATION:

Formation: **L.Kc.-G**

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

Time Tool Opened: 17:48:25

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Time Test Ended: 21:17:25

Unit No: **18**

Interval: **3535.00 ft (KB) To 3550.00 ft (KB) (TVD)**

Reference Elevations: **2174.00 ft (KB)**

Total Depth: **3550.00 ft (KB) (TVD)**

2169.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **10.14 psig @ 3537.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.01.24**

End Date:

2004.01.24

Last Calib.: **2004.01.24**

Start Time: **15:58:56**

End Time:

21:17:25

Time On Btm: **2004.01.24 @ 17:47:25**

Time Off Btm: **2004.01.24 @ 19:52:55**

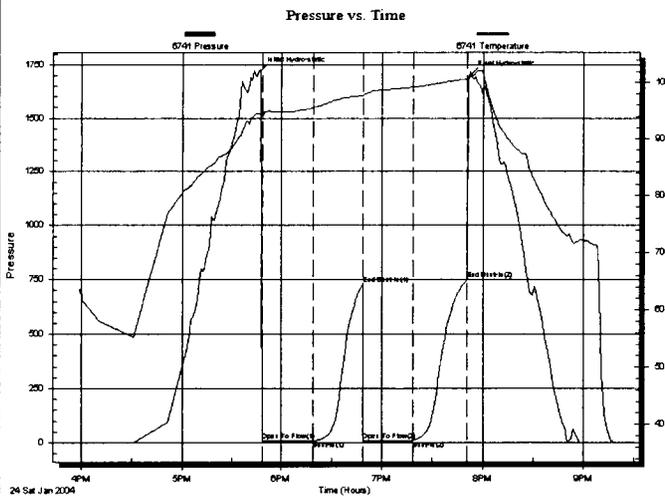
TEST COMMENT: **IF-Weak Dead in 25 min.**

ISI-Dead

FF-Dead

FSI-Dead

Flush tool FF-no help.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1720.10	94.47	Initial Hydro-static
1	7.12	94.00	Open To Flow (1)
32	8.35	95.49	Shut-In(1)
61	728.19	97.70	End Shut-In(1)
62	8.47	97.66	Open To Flow (2)
91	10.14	99.17	Shut-In(2)
124	753.27	100.67	End Shut-In(2)
126	1701.72	101.15	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)



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18261

DST#: 2

ATTN: Mike Davignon

Test Start: 2004.01.24 @ 15:58:55

Tool Information

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.80 inches	Volume: 47.13 bbl	Tool Weight: 2000.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3535.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 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			3516.00	
Shut In Tool	5.00			3521.00	
Hydraulic tool	5.00			3526.00	
Packer	4.00			3530.00	20.00 Bottom Of Top Packer
Packer	5.00			3535.00	
Stubb	1.00			3536.00	
Perforations	1.00			3537.00	
Recorder	0.00	6741	Inside	3537.00	
Perforations	10.00			3547.00	
Recorder	0.00	13308	Outside	3547.00	
Bullnose	3.00			3550.00	15.00 Bottom Packers & Anchor

Total Tool Length: 35.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18261

DST#: 2

ATTN: Mike Davignon

Test Start: 2004.01.24 @ 15:58:55

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 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:

Serial #: 6741

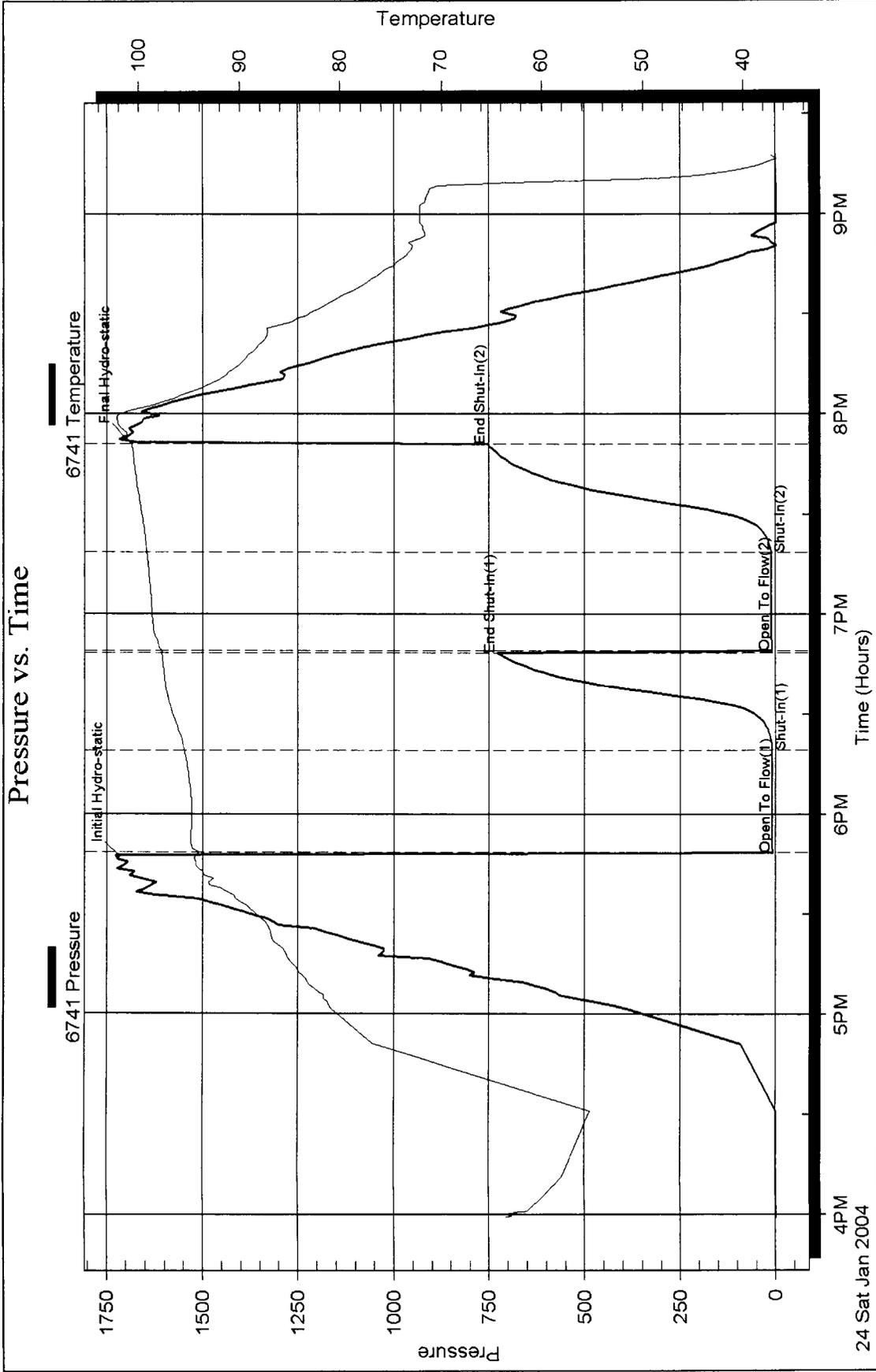
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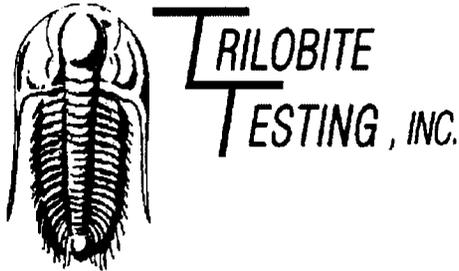
Great Eastern Energy Dev.

1-13s-21w Trego KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Dev.**

P.O.Box 150
Bogue, Ks. 67625

ATTN: Mike Davignon

1-13s-21w Trego KS

Cromb # B-2

Start Date: 2004.01.25 @ 19:56:48

End Date: 2004.01.26 @ 02:23:48

Job Ticket #: 18262 DST #: 3

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DRILL STEM TEST REPORT

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

ATTN: Mike Davignon

Job Ticket: 18262

DST#: 3

Test Start: 2004.01.25 @ 19:56:48

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:07:18

Time Test Ended: 02:23:48

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3745.00 ft (KB) To 3825.00 ft (KB) (TVD)**

Reference Elevations: 2174.00 ft (KB)

Total Depth: 3825.00 ft (KB) (TVD)

2169.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 69.08 psig @ 3749.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.01.25

End Date:

2004.01.26

Last Calib.: 2004.01.26

Start Time: 19:56:49

End Time:

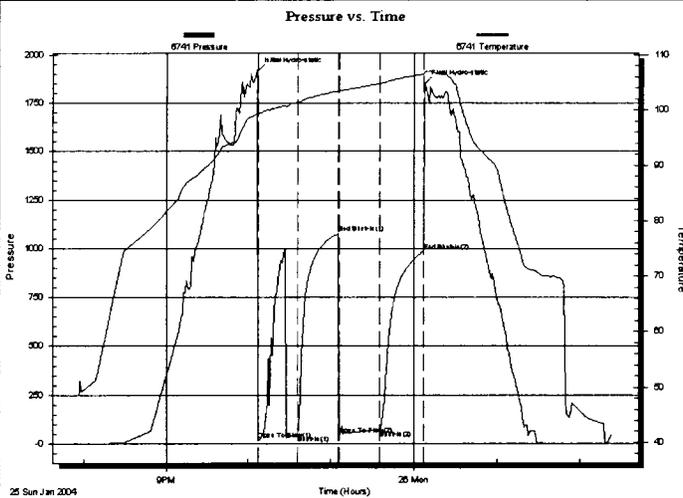
02:23:48

Time On Btm: 2004.01.25 @ 22:06:48

Time Off Btm: 2004.01.26 @ 00:07:48

TEST COMMENT: IF-Weak built to 3" in
FF-Weak built to 3" in

IS-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.71	99.41	Initial Hydro-static
1	18.53	99.32	Open To Flow (1)
29	44.46	101.39	Shut-in(1)
59	1077.49	103.47	End Shut-in(1)
59	46.40	103.40	Open To Flow (2)
89	69.08	104.79	Shut-in(2)
120	987.11	106.51	End Shut-in(2)
121	1847.77	106.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	OCM-45%oil-55%Mud	0.61
30.00	Clean oil	0.15

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18262

DST#: 3

ATTN: Mike Davignon

Test Start: 2004.01.25 @ 19:56:48

Tool Information

Drill Pipe:	Length: 3546.00 ft	Diameter: 3.80 inches	Volume: 49.74 bbl	Tool Weight: 35000.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 50.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3745.00 ft			Final 48000.00 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			3726.00	
Shut In Tool	5.00			3731.00	
Hydraulic tool	5.00			3736.00	
Packer	4.00			3740.00	20.00 Bottom Of Top Packer
Packer	5.00			3745.00	
Stubb	1.00			3746.00	
Perforations	2.00			3748.00	
Change Over Sub	1.00			3749.00	
Recorder	0.00	6741	Inside	3749.00	
Blank Spacing	62.00			3811.00	
Change Over Sub	1.00			3812.00	
Recorder	0.00	11084	Outside	3812.00	
Perforations	10.00			3822.00	
Bullnose	3.00			3825.00	80.00 Bottom Packers & Anchor

Total Tool Length: 100.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18262

DST#: 3

ATTN: Mike Davignon

Test Start: 2004.01.25 @ 19:56:48

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

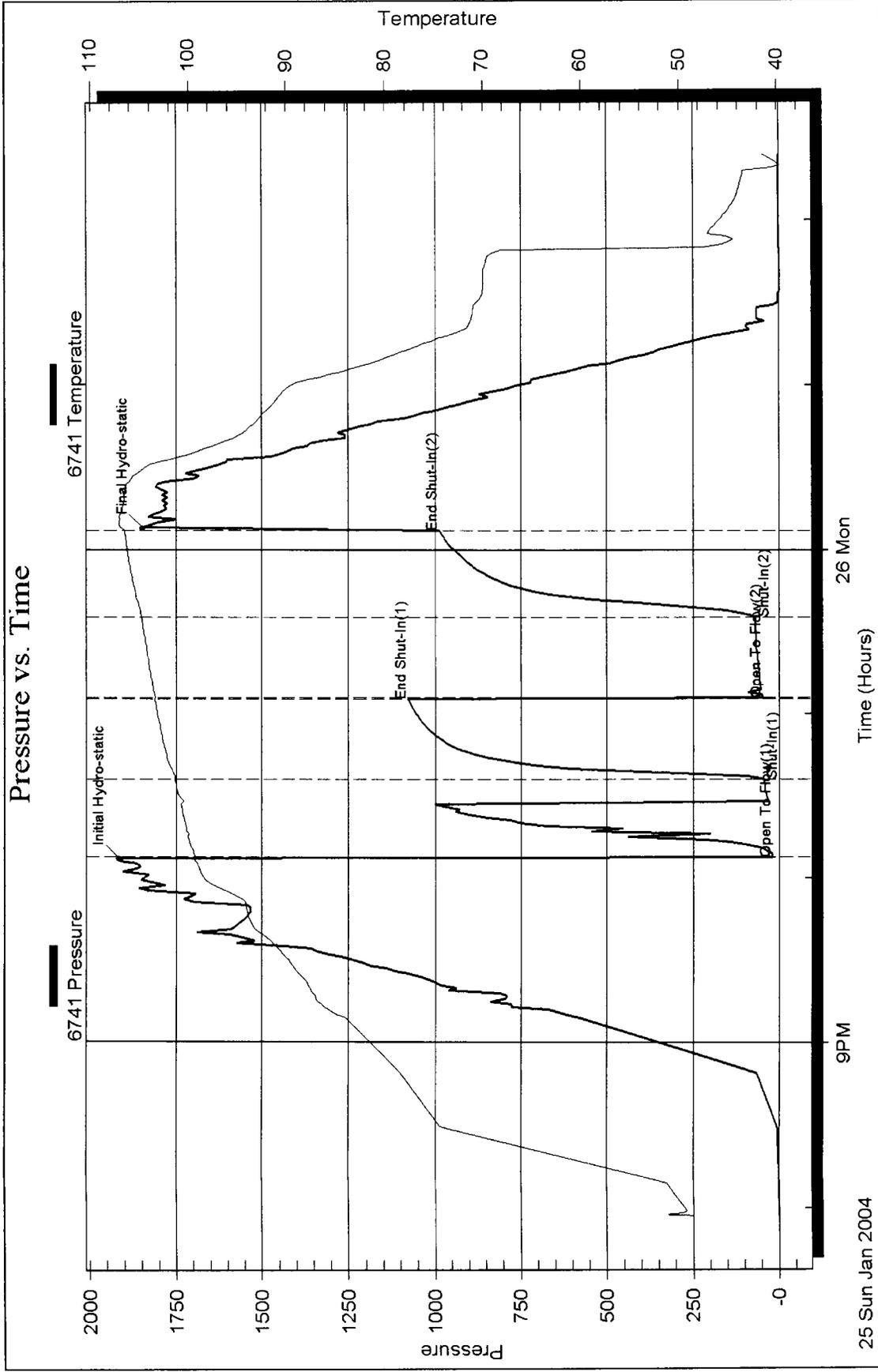
Length ft	Description	Volume bbl
125.00	OCM-45%oil-55%Mud	0.615
30.00	Clean oil	0.148

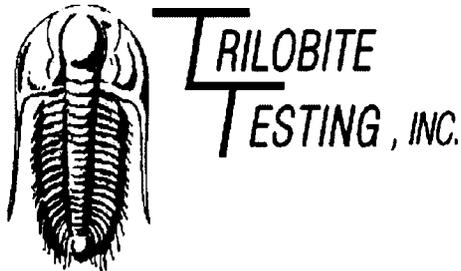
Total Length: 155.00 ft Total Volume: 0.763 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Dev.**

P.O.Box 150
Bogue, Ks. 67625

ATTN: Mike Davignon

1-13s-21w Trego KS

Cromb # B-2

Start Date: 2004.01.26 @ 08:57:31

End Date: 2004.01.26 @ 16:30:31

Job Ticket #: 18263 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

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

ATTN: Mike Davignon

Job Ticket: 18263

DST#: 4

Test Start: 2004.01.26 @ 08:57:31

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 11:03:31

Time Test Ended: 16:30:31

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3815.00 ft (KB) To 3840.00 ft (KB) (TVD)**

Total Depth: **3840.00 ft (KB) (TVD)**

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

Reference Elevations: **2174.00 ft (KB)**

2169.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **157.15 psig @ 3817.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.01.26**

End Date: **2004.01.26**

Last Calib.: **2004.01.26**

Start Time: **08:57:32**

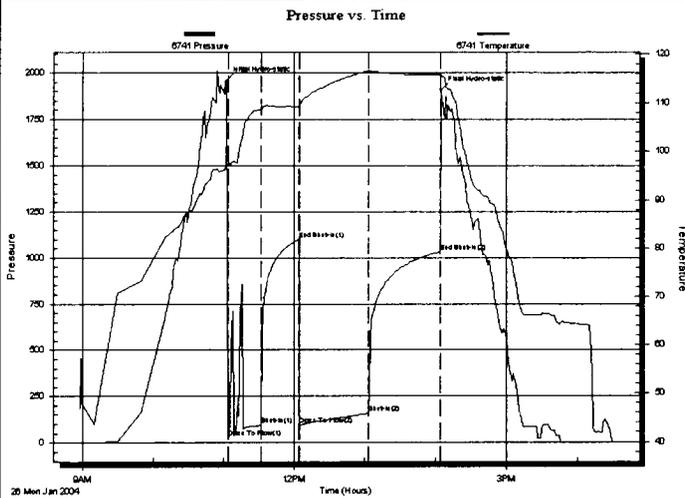
End Time: **16:30:31**

Time On Btm: **2004.01.26 @ 11:02:31**

Time Off Btm: **2004.01.26 @ 14:04:31**

TEST COMMENT: IF-Strong B.O.B. in 21 min.
FF-Strong B.O.B. in 21 min.

ISI-Weak blow back.
FSI-Weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.33	96.86	Initial Hydro-static
1	26.94	97.26	Open To Flow (1)
29	93.77	108.63	Shut-In (1)
62	1097.53	109.32	End Shut-In (1)
63	96.28	109.43	Open To Flow (2)
121	157.15	116.58	Shut-In (2)
181	1030.07	115.76	End Shut-In (2)
182	1907.57	115.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	Salt water	0.91
70.00	MCO-40% mud-60% oil	0.98
100.00	Clean oil	1.40

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18263

DST#: 4

ATTN: Mike Davignon

Test Start: 2004.01.26 @ 08:57:31

Tool Information

Drill Pipe:	Length: 3639.00 ft	Diameter: 3.80 inches	Volume: 51.05 bbl	Tool Weight: 2100.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3815.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 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			3796.00	
Shut In Tool	5.00			3801.00	
Hydraulic tool	5.00			3806.00	
Packer	4.00			3810.00	20.00 Bottom Of Top Packer
Packer	5.00			3815.00	
Stubb	1.00			3816.00	
Perforations	1.00			3817.00	
Recorder	0.00	6741	Inside	3817.00	
Perforations	20.00			3837.00	
Recorder	0.00	13308	Outside	3837.00	
Bullnose	3.00			3840.00	25.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18263

DST#: 4

ATTN: Mike Davignon

Test Start: 2004.01.26 @ 08:57:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
185.00	Salt water	0.910
70.00	MCO-40%mud-60%oil	0.982
100.00	Clean oil	1.403

Total Length: 355.00 ft

Total Volume: 3.295 bbl

Num Fluid Samples: 0

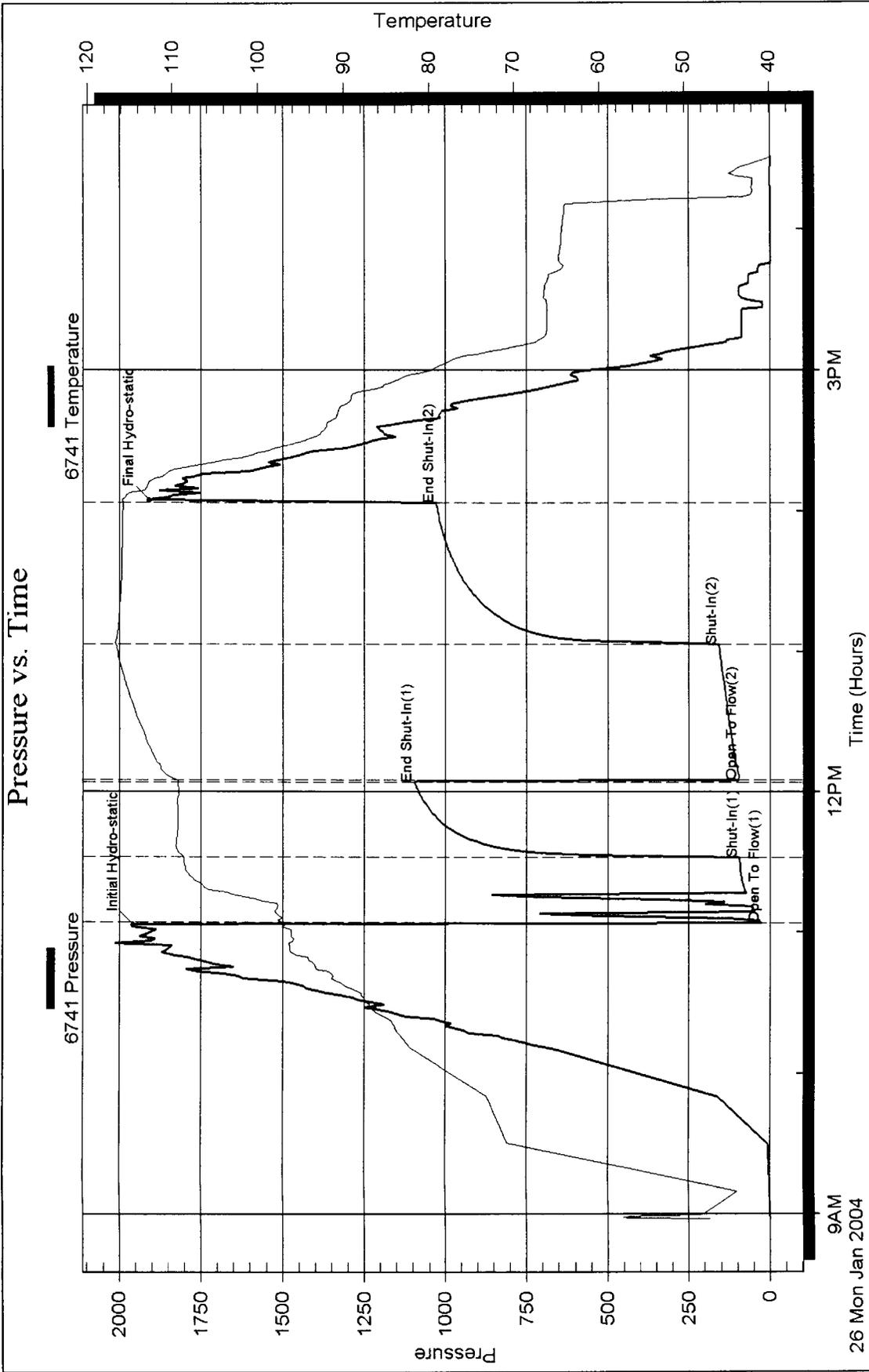
Num Gas Bombs: 0

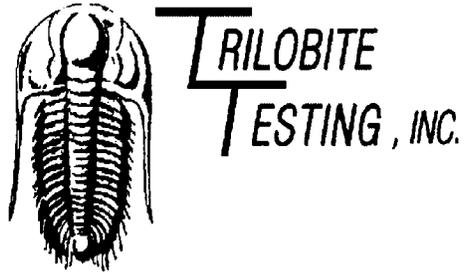
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Dev.**

P.O.Box 150
Bogue, Ks. 67625

ATTN: Mike Davignon

1-13s-21w Trego KS

Cromb # B-2

Start Date: 2004.01.26 @ 23:20:37

End Date: 2004.01.27 @ 05:52:37

Job Ticket #: 18264 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Eastern Energy Dev.

Cromb # B-2

1-13s-21w Trego KS

DST # 5

Ragan Sand

2004.01.26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18264

DST#: 5

ATTN: Mike Davignon

Test Start: 2004.01.26 @ 23:20:37

GENERAL INFORMATION:

Formation: **Ragan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:23:37

Time Test Ended: 05:52:37

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3847.00 ft (KB) To 3865.00 ft (KB) (TVD)**

Reference Elevations: 2174.00 ft (KB)

Total Depth: 3865.00 ft (KB) (TVD)

2169.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 180.04 psig @ 3848.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.01.26 End Date: 2004.01.27

Last Calib.: 2004.01.27

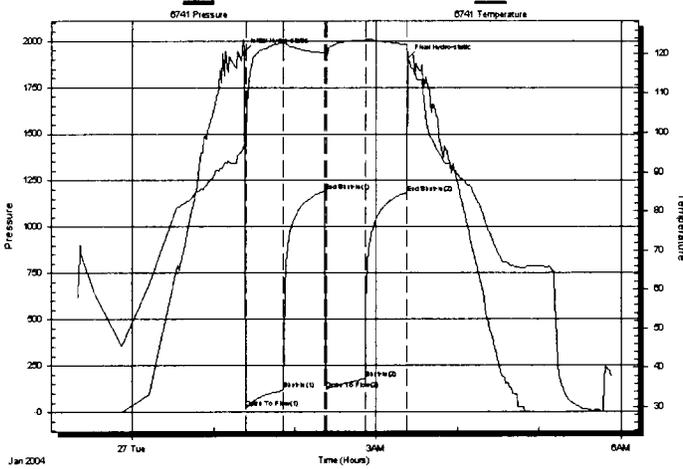
Start Time: 23:20:38 End Time: 05:52:37

Time On Btm: 2004.01.27 @ 01:22:37

Time Off Btm: 2004.01.27 @ 03:23:37

TEST COMMENT: IF-Strong B.O.B.15 min. ISI-Dead
FF-Strong B.O.B.20 min. FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.79	96.90	Initial Hydro-static
1	23.92	97.71	Open To Flow (1)
29	118.33	122.74	Shut-In(1)
60	1191.76	120.26	End Shut-In(1)
61	122.38	120.00	Open To Flow (2)
90	180.04	123.57	Shut-In(2)
120	1181.36	122.37	End Shut-In(2)
121	1906.42	119.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
400.00	Muddy Salt Water	3.93

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18264

DST#: 5

ATTN: Mike Davignon

Test Start: 2004.01.26 @ 23:20:37

Tool Information

Drill Pipe:	Length: 3670.00 ft	Diameter: 3.80 inches	Volume: 51.48 bbl	Tool Weight: 2000.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 52.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3847.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			3828.00	
Shut In Tool	5.00			3833.00	
Hydraulic tool	5.00			3838.00	
Packer	4.00			3842.00	20.00 Bottom Of Top Packer
Packer	5.00			3847.00	
Stubb	1.00			3848.00	
Recorder	0.00	6741	Inside	3848.00	
Perforations	14.00			3862.00	
Recorder	0.00	13308	Outside	3862.00	
Bullnose	3.00			3865.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Dev.

Cromb # B-2

P.O.Box 150
Bogue, Ks. 67625

1-13s-21w Trego KS

Job Ticket: 18264

DST#: 5

ATTN: Mike Davignon

Test Start: 2004.01.26 @ 23:20:37

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:	35000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	Muddy Salt Water	3.926

Total Length: 400.00 ft Total Volume: 3.926 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

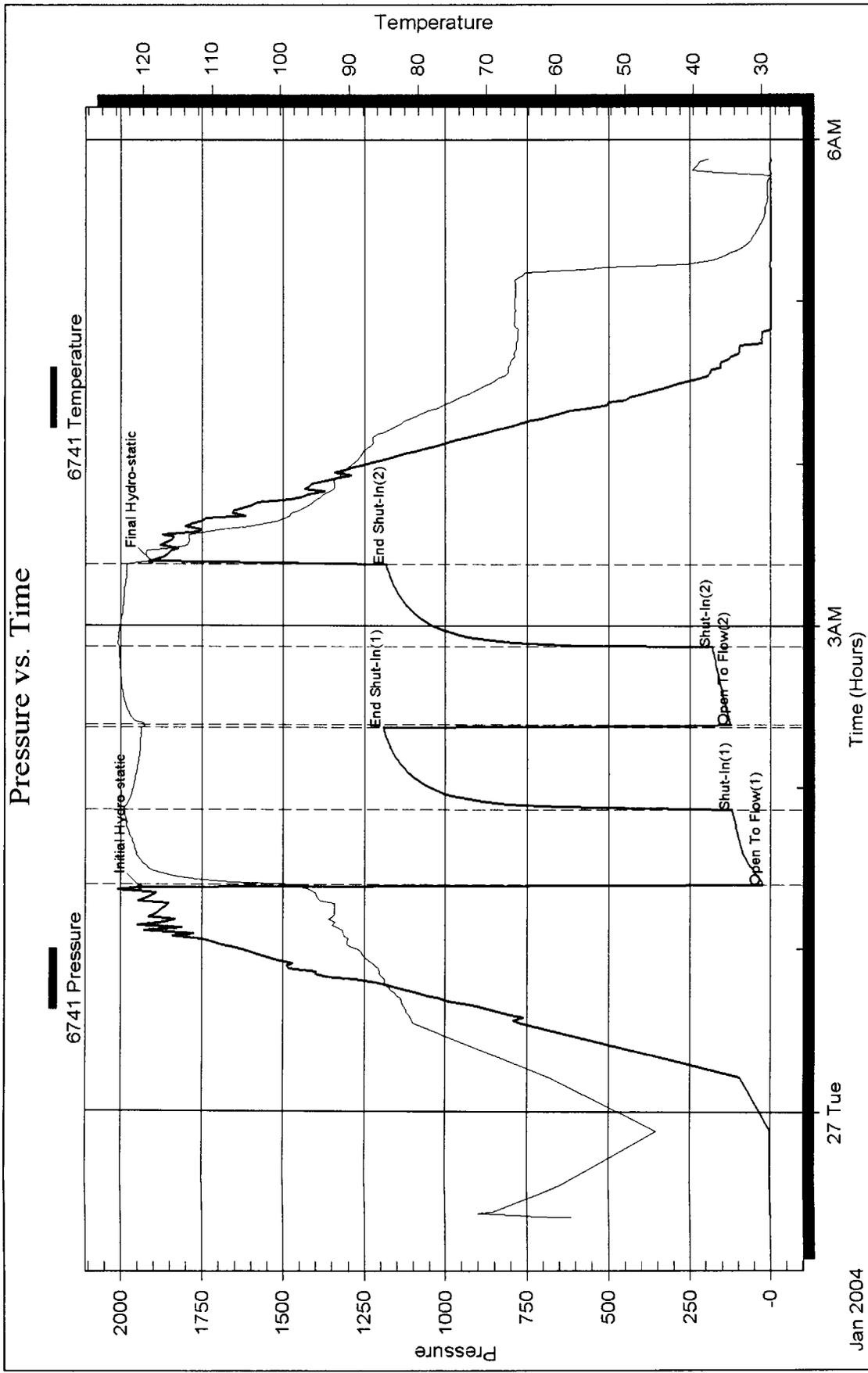
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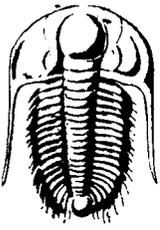
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6/16/66

Nº 18260

05/03

Test Ticket

Well Name & No. CROMB # B-2 Test No. #1 Date 1-23-04
 Company GREAT EASTERN ENERGY + DEVELOPMENT Zone Tested TOPEKA
 Address BOX 150 BOGUE, KS. 67625 Elevation 2174 KB 2169 GL
 Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13S Rge. 21W Co. TREGO State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3195 TO 3220 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3190 Tool Weight 2,100
 Bottom Packer Depth 3195 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ Wt. Pipe Run 0 Drill Collar Run 185'
 Mud Wt. 8.9 LCM 0 Vis. 60 WL 6.4 Drill Pipe Size 4 1/2 XH Ft. Run 3018
 Blow Description IF-WEAK 1/2" BLOW IF-VERY WEAK BLOW BACK
FF-WEAK 1" BLOW FSI-VERY WEAK BLOW BACK

Recovery - Total Feet 40 GIP _____ Ft. in DC 40' Ft. in DP _____
 Rec. 40' Feet of MUDDY SALT WATER %gas _____ %oil 70 %water 30 %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 97 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .13 @ 85 °F Chlorides 48,000 ppm Recovery _____ Chlorides 3,400 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1515	PSI	6741	B. HOLE 700
(B) First Initial Flow Pressure	8	PSI	(depth) 3197	Elec. Rec. ✓ 150
(C) First Final Flow Pressure	17	PSI	Recorder No. 13308	Jars _____
(D) Initial Shut-In Pressure	703	PSI	(depth) 3217	Safety Jt. _____
(E) Second Initial Flow Pressure	18	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	31	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	696	PSI	Initial Opening 30	Straddle _____
(Q) Final Hydrostatic Mud	1501	PSI	Initial Shut-In 30	Ext. Packer _____
			Final Flow 60	Shale Packer _____
			Final Shut-In 60	Mileage <u>20</u> <u>34</u>
			T-On Location <u>09:15</u>	Sub Total: <u>384</u>
			T-Started <u>10:32</u>	Std. By _____
			T-Open <u>12:23</u>	Other _____
			T-Pulled <u>15:24</u>	Total: _____
			T-Out <u>16:48</u>	

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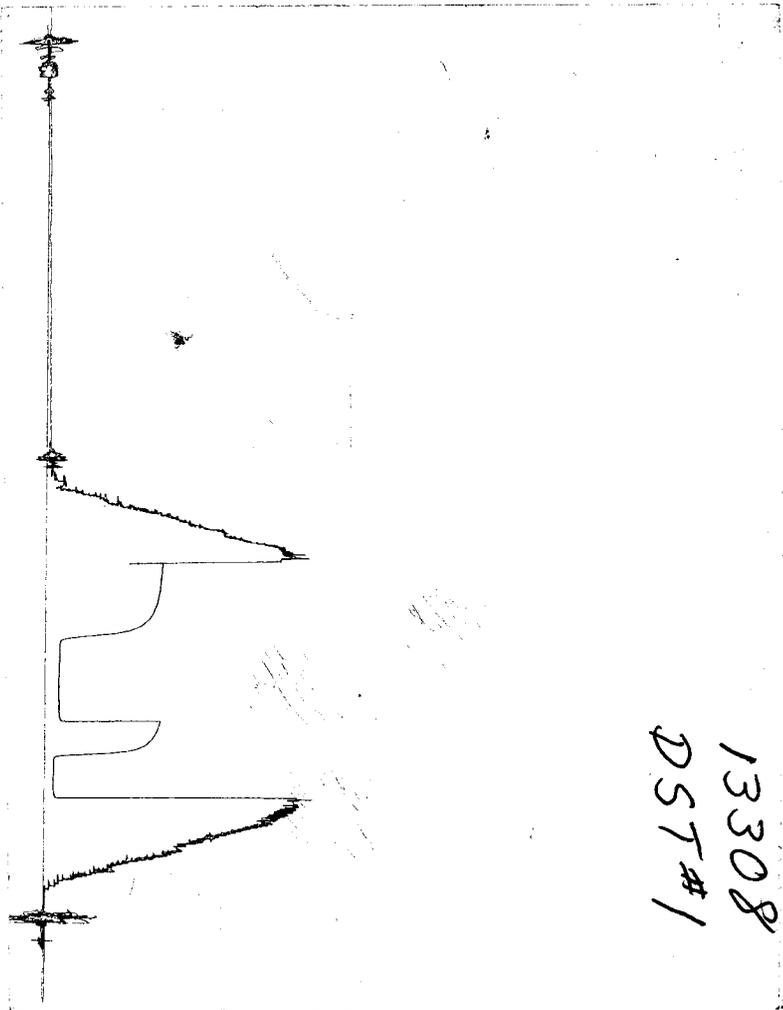
Approved By _____
 Our Representative John J. Schmidt

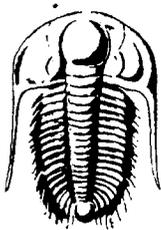
CHART PAGE

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

13308

DST#1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18261

05/03

Test Ticket

Well Name & No. CROMB * B-2 Test No. # 2 Date 1-24-04
 Company GREAT EASTERN ENERGY & DEV. Zone Tested L.Kc - G
 Address _____ Elevation 2174 KB 2169 GL
 Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN # 8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 135 Rge. 21 W Co. TREGO State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3535 To 3550 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 15' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3530 Tool Weight 2,000
 Bottom Packer Depth 3535 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3550 Wt. Pipe Run 0 Drill Collar Run 185'
 Mud Wt. 9.1 LCM 0 Vis. 58 WL 6.8 Drill Pipe Size 4 1/2 XH Ft. Run 3360
 Blow Description IF - WEAK DEAD IN 25 MIN FSI - DEAD
FF - DEAD FSI - DEAD

FLUSH TOOL 2ND: OPEN NO HELP

Recovery - Total Feet 5' GIP - Ft. in DC 5' Ft. in DP -
 Rec. 5' Feet of DRILLING 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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 100 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW - @ - °F Chlorides - ppm Recovery - Chlorides 5,200 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1720</u> PSI	<u>6741</u>	<u>B. HOLE 700</u>
(B) First Initial Flow Pressure	<u>7</u> PSI	(depth) <u>3537</u>	Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>
(C) First Final Flow Pressure	<u>8</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>728</u> PSI	(depth) <u>3547</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>8</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>10</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>753</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1701</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>30</u>	Mileage <u>20</u> <u>34</u>
		T-On Location <u>15:00</u>	Sub Total: <u>884</u>
		T-Started <u>15:58</u>	Std. By _____
		T-Open <u>17:48</u>	Other _____
		T-Pulled <u>19:52</u>	Total: _____
		T-Out <u>21:17</u>	

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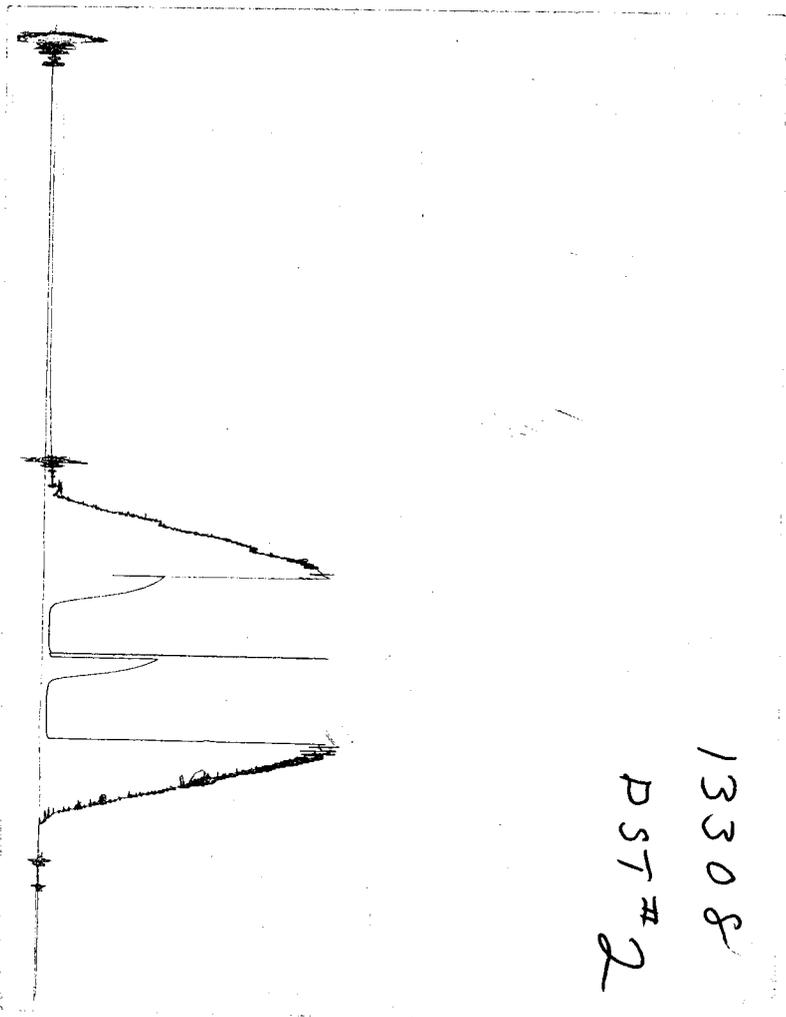
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 Our Representative John J. Schmidt

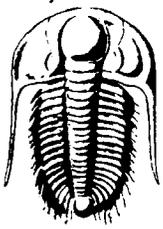
CHART PAGE

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13308

DST # 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18262

05/03

Test Ticket

Well Name & No. CROMB # B-2 Test No. #3 Date 1-25-04
 Company GREAT EASTERN ENERGY & DEV. Zone Tested ARBUCKLE
 Address _____ Elevation 2174 KB 2169 GL
 Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13S Rge. 21W Co. TREGO State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3745 To 3825 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 80' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3740 Tool Weight 3,500
 Bottom Packer Depth 3745 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3825 Wt. Pipe Run 0 Drill Collar Run 185'
 Mud Wt. 9.2 LCM 2" Vis. 65 WL 6.8 Drill Pipe Size 4 1/2 XH Ft. Run 3546
 Blow Description IF - WEAK BUILT TO 3" IN ISI - DEAD
FF - WEAK BUILT TO 3" IN FSI - DEAD

Recovery - Total Feet 155' GIP - Ft. in DC 155 Ft. in DP 0
 Rec. 125 Feet of OCM %gas 45 %oil _____ %water 55 %mud _____
 Rec. 30 Feet of CLEAN 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 106 °F Gravity 39 °API D @ 70 °F Corrected Gravity 39 °API
 RW _____ @ _____ °F Chlorides - ppm Recovery - Chlorides 6,900 ppm System

(A) Initial Hydrostatic Mud	<u>1915</u> PSI	Recorder No.	<u>6741</u>	Test	<u>B. HOLE 700</u>
(B) First Initial Flow Pressure	<u>18</u> PSI	(depth)	<u>3749</u>	Elec. Rec.	<u>✓ 150</u>
(C) First Final Flow Pressure	<u>44</u> PSI	Recorder No.	<u>11084</u>	Jars	_____
(D) Initial Shut-In Pressure	<u>1077</u> PSI	(depth)	<u>3812</u>	Safety Jt.	_____
(E) Second Initial Flow Pressure	<u>46</u> PSI	Recorder No.	_____	Circ Sub	_____
(F) Second Final Flow Pressure	<u>69</u> PSI	(depth)	_____	Sampler	_____
(G) Final Shut-In Pressure	<u>987</u> PSI	Initial Opening	<u>30</u>	Straddle	_____
(Q) Final Hydrostatic Mud	<u>1847</u> PSI	Initial Shut-In	<u>30</u>	Ext. Packer	_____
		Final Flow	<u>30</u>	Shale Packer	_____
		Final Shut-In	<u>30</u>	Mileage	<u>20 34</u>
		T-On Location	<u>19:30</u>	Sub Total:	<u>584</u>
		T-Started	<u>19:56</u>	Std. By	<u>_____</u>
		T-Open	<u>22:07</u>	Other	_____
		T-Pulled	<u>00:07</u>	Total:	_____
		T-Out	<u>02:23</u>		

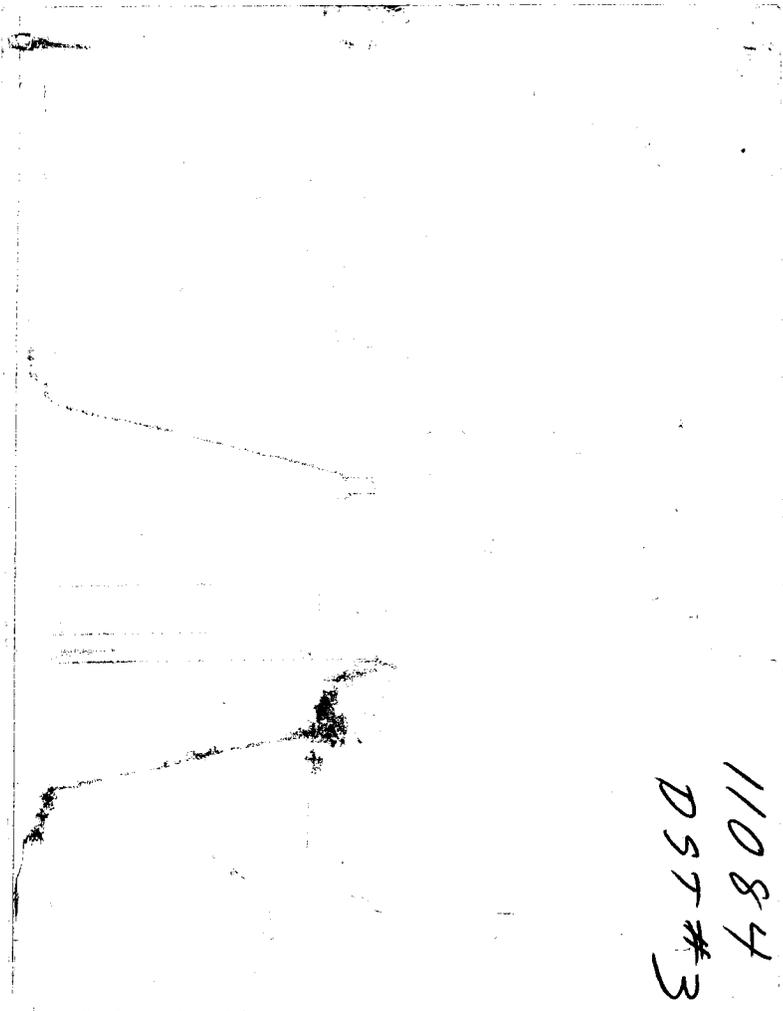
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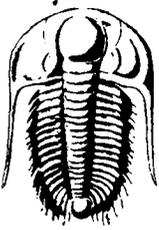
Approved By _____
 Our Representative John J. Schmidt

CHART PAGE

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11084
DST#3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18263

05/03

Test Ticket

Well Name & No. CROMB # B-2 Test No. * 4 Date 1-26-04
 Company GREAT EASTERN ENERGY & DEV. Zone Tested ARBuckle
 Address _____ Elevation 2174 KB 2169 GL
 Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN # 8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13S Rge. 21W Co. TREGO State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3815 To 3840 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 49,000
 Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3810 Tool Weight 2,100
 Bottom Packer Depth 3815 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3840 Wt. Pipe Run 0 Drill Collar Run 185'
 Mud Wt. 9.2 LCM 2⁺ Vis. 60 WL 6.8 Drill Pipe Size 4 1/2 XH Ft. Run 3639
 Blow Description IF- STRONG B.O.B. 21-MIN FSI, WEAK BLOW BACK
FF-

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>355'</u>	<u>120'</u>	<u>185'</u>	<u>170'</u>
Rec. <u>185</u>	Feet of <u>SALT WATER</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. <u>70</u>	Feet of <u>MCO</u>	%gas <u>0</u> %oil <u>60</u>	%water <u>40</u> %mud _____
Rec. <u>100</u>	Feet of <u>CLEAN OIL</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>115</u>	°F Gravity <u>38</u>	°API D @ <u>60</u>	°F Corrected Gravity <u>38</u> °API _____
RW <u>.35</u>	@ <u>35</u> °F	Chlorides <u>42,000</u> ppm Recovery _____	Chlorides _____ ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1957</u> PSI	<u>1957</u> PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>26</u> PSI	<u>26</u> PSI	<u>3817</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>93</u> PSI	<u>93</u> PSI	<u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1097</u> PSI	<u>1097</u> PSI	<u>3837</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>96</u> PSI	<u>96</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>157</u> PSI	<u>157</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1030</u> PSI	<u>1030</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1907</u> PSI	<u>1907</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>20</u>
			T-On Location <u>08:00</u>	Sub Total: <u>384</u>
			T-Started <u>08:57</u>	Std. By <u>15</u>
			T-Open <u>11:03</u>	Other _____
			T-Pulled <u>1404</u>	Total: <u>899</u>
			T-Out <u>16:30</u>	

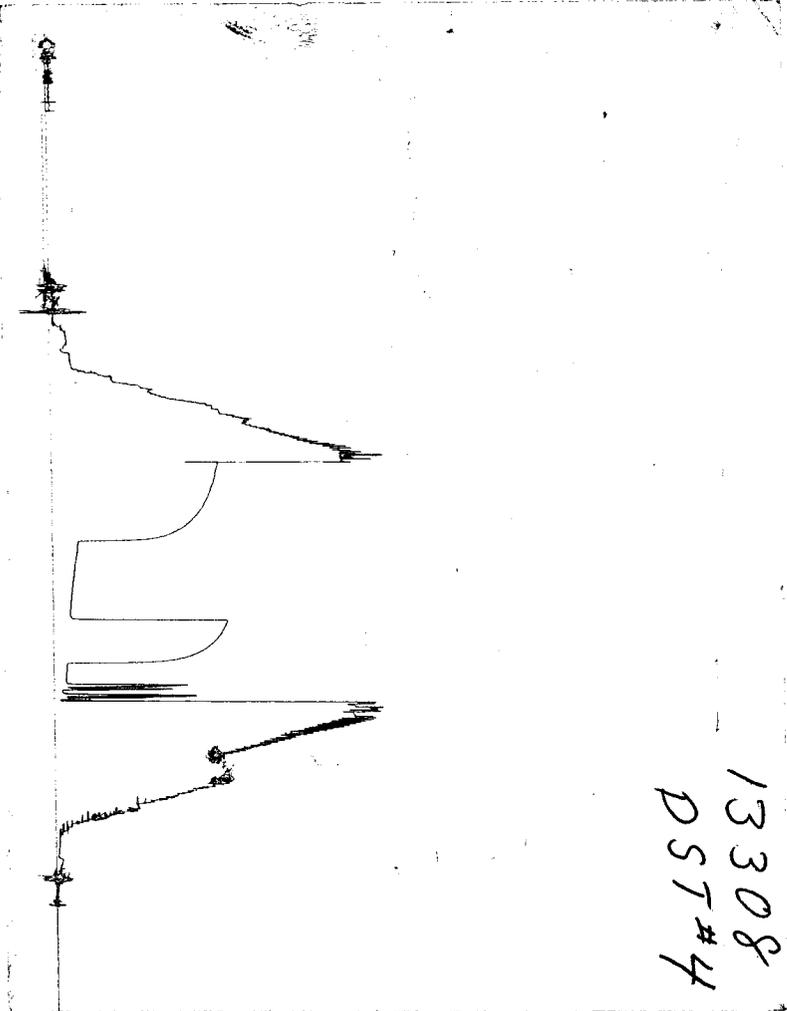
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

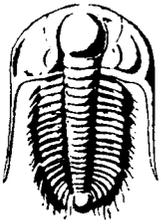
Approved By _____
 Our Representative John J. Schmidt

CHART PAGE

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

13308
DST#4





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18264

05/03

Test Ticket

Well Name & No. CROMB # B-2 Test No. #5 Date 1-27-04
 Company GREAT EASTERN ENERGY & DEV. Zone Tested RAGAN SAND
 Address _____ Elevation 2174 KB 2169 GL
 Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13S Rge. 21W Co. TREBO State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3847 TO 3865 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 49,000
 Anchor Length 18' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 59,000
 Top Packer Depth 3842 Tool Weight 2,000
 Bottom Packer Depth 3847 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3865 Wt. Pipe Run 0 Drill Collar Run 185'
 Mud Wt. 9.2 LCM 2# Vis. 57 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 3670
 Blow Description IF-STRONG B.O.B. 15-MIN. FSTI-DEAD
FF-STRONG B.O.B. 20-MIN. FSTI-DEAD

Recovery - Total Feet 400 GIP - Ft. in DC 185 Ft. in DP 215
 Rec. 400 Feet of MUDDY SALT WATER %gas _____ %oil _____ %water 95 %mud 5
 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 122 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW .29 @ 50 °F Chlorides 35,000 ppm Recovery - Chlorides 7,600 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1940</u> PSI	<u>1940</u> PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>23</u> PSI	<u>23</u> PSI	(depth) <u>3848</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>118</u> PSI	<u>118</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1191</u> PSI	<u>1191</u> PSI	(depth) <u>3862</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>122</u> PSI	<u>122</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>180</u> PSI	<u>180</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1181</u> PSI	<u>1181</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1906</u> PSI	<u>1906</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>20</u>
			T-On Location <u>22:30</u>	Sub Total: <u>934</u>
			T-Started <u>23:20</u>	Std. By _____
			T-Open <u>01:23</u>	Other _____
			T-Pulled <u>03:23</u>	Total: _____
			T-Out <u>05:52</u>	

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CHART PAGE

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13308
D57#5

