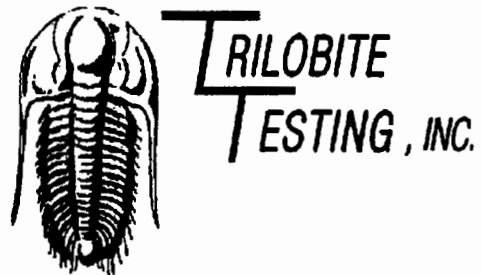


15-065-23256

12-7s-22w



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

12 7S 22W Graham KS

Esther-Worcester #1-12

Start Date: 2006.12.13 @ 17:46:15

End Date: 2006.12.13 @ 23:48:05

Job Ticket #: 26066 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

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Esther-Worcester #1-12

12 7S 22W Graham KS

Job Ticket: 26066 **DST#: 1**

Test Start: 2006.12.13 @ 17:46:15

GENERAL INFORMATION:

Formation: **L-KC "C"**

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

Time Tool Opened: 19:23:05

Time Test Ended: 23:48:05

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3450.00 ft (KB) To 3472.00 ft (KB) (TVD)**

Total Depth: **3472.00 ft (KB) (TVD)**

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

Reference Elevations: **2194.00 ft (KB)**

2189.00 ft (CF)

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

Serial #: 6799

Inside

Press@RunDepth: **143.72 psig @ 3451.00 ft (KB)**

Start Date: **2006.12.13**

End Date:

2006.12.13

Capacity: **7000.00 psig**

Last Calib.: **2006.12.14**

Start Time: **17:46:17**

End Time:

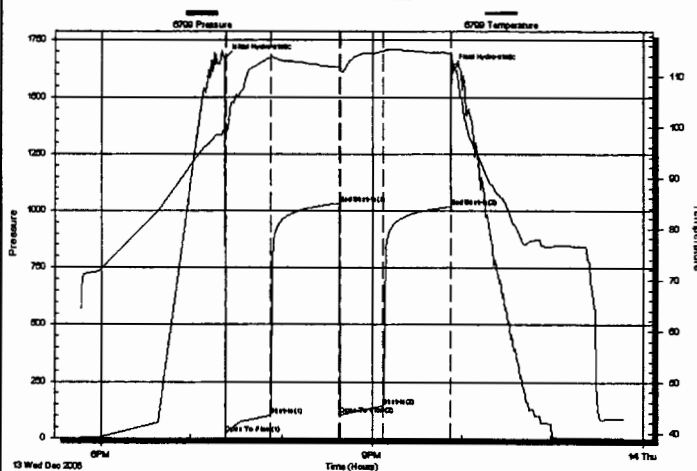
23:48:04

Time On Btm: **2006.12.13 @ 19:22:45**

Time Off Btm: **2006.12.13 @ 21:52:55**

TEST COMMENT: IF Fairly strong blow BOB 22 minutes
ISI Bled off no blow back
FF Fair blow building to 9.5 " in bucket
FSI Bled off no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.28	99.53	Initial Hydro-static
1	18.41	99.01	Open To Flow (1)
31	102.44	113.66	Shut-In (1)
76	1031.52	111.77	End Shut-In (1)
76	103.72	111.26	Open To Flow (2)
105	143.72	114.94	Shut-In (2)
150	1017.06	114.58	End Shut-In (2)
151	1628.97	114.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
218.00	Salt Water 100%W	1.96
120.00	SOSMCW 1%O 19%M 80%W	1.68
2.00	Oil 100%O	0.03
0.00	Chlorides = 60,500 ppm	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esther-Worcester #1-12

PO Box 428
Logan KS 67646

12 7S 22W Graham KS

ATTN: Richard Bell

Job Ticket: 26066

DST#: 1

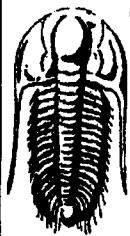
Test Start: 2006.12.13 @ 17:46:15

Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 47.08 bbl	Tool Chased	4.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3450.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	42.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3435.00	
Hydraulic tool	5.00			3440.00	
Packer	5.00			3445.00	20.00 Bottom Of Top Packer
Packer	5.00			3450.00	
Stubb	1.00			3451.00	
Recorder	0.00	6799	Inside	3451.00	
Perforations	18.00			3469.00	
Recorder	0.00	3354	Outside	3469.00	
Bullnose	3.00			3472.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esther-Worcester #1-12

PO Box 428
Logan KS 67646

12 7S 22W Graham KS

Job Ticket: 26066

DST#: 1

ATTN: Richard Bell

Test Start: 2006.12.13 @ 17:46:15

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 0.07 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
218.00	Salt Water 100%W	1.965
120.00	SOSMCW 1%O 19%M 80%W	1.683
2.00	Oil 100%O	0.028
0.00	Chlorides = 60,500 ppm	0.000

Total Length: 340.00 ft

Total Volume: 3.676 bbl

Num Fluid Samples: 0

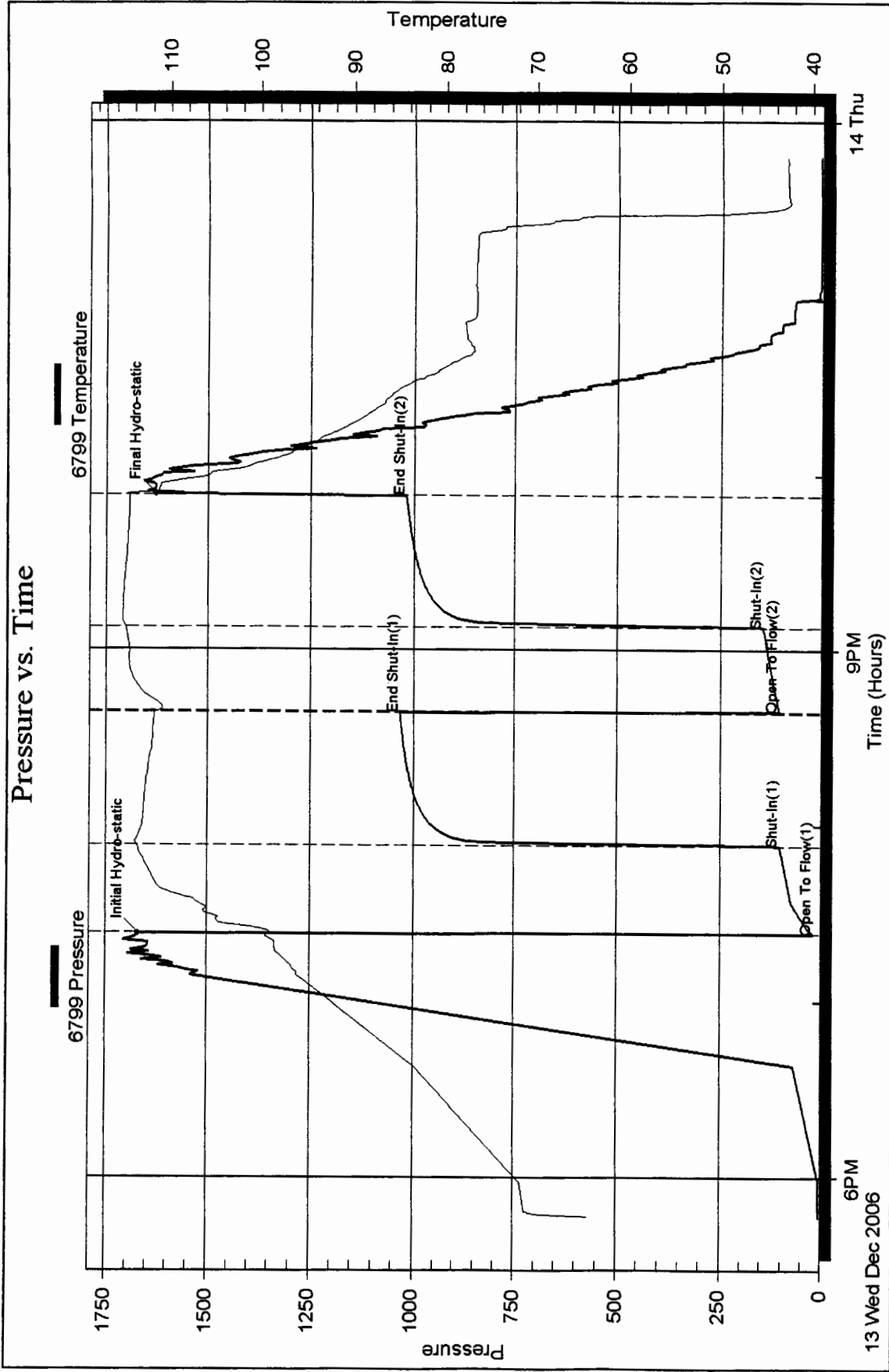
Num Gas Bombs: 0

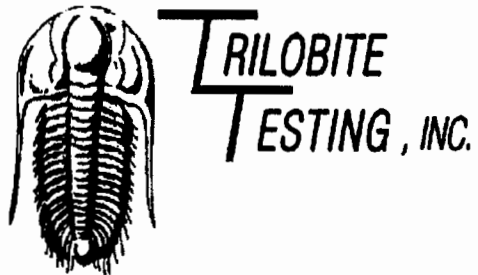
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

12 7S 22W Graham KS

Esther-Worcester #1-12

Start Date: 2006.12.14 @ 09:13:35

End Date: 2006.12.14 @ 15:21:44

Job Ticket #: 26067 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

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Esther-Worcester #1-12

12 7S 22W Graham KS

Job Ticket: 26067

DST#: 2

Test Start: 2006.12.14 @ 09:13:35

GENERAL INFORMATION:

Formation: **L-KC "E-F"**

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

Time Tool Opened: 11:02:15

Time Test Ended: 15:21:44

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3487.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Total Depth: **3510.00 ft (KB) (TVD)**

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

Reference Elevations: **2194.00 ft (KB)**

2189.00 ft (CF)

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

Serial #: 6799 **Inside**

Press@RunDepth: **64.65 psig @ 3488.00 ft (KB)**

Start Date: **2006.12.14**

End Date:

2006.12.14

Capacity: **7000.00 psig**

Last Calib.: **2006.12.14**

Start Time: **09:13:37**

End Time:

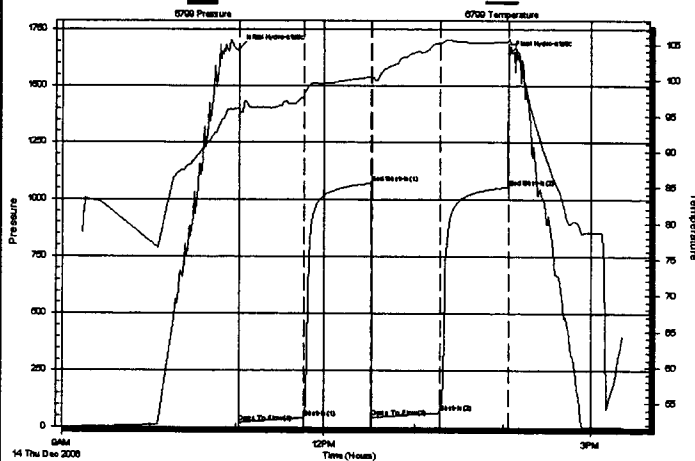
15:21:45

Time On Btm: **2006.12.14 @ 11:02:05**

Time Off Btm: **2006.12.14 @ 14:03:24**

TEST COMMENT: IF Weak blow building to 3" in bucket
ISI Bled off very weak blow back by end of shut in period
FF Weak blow building to 1" in bucket
FSI Bled off no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1664.11	96.02	Initial Hydro-static
1	20.69	95.38	Open To Flow (1)
45	42.98	98.04	Shut-In (1)
90	1070.55	100.45	End Shut-In (1)
90	44.61	100.16	Open To Flow (2)
135	64.65	105.23	Shut-In (2)
181	1054.86	105.35	End Shut-In (2)
182	1640.07	105.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	VSWCM 2%W 98%M	0.47

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esther-Worcester #1-12

PO Box 428
Logan KS 67646

12 7S 22W Graham KS

Job Ticket: 26067

DST#: 2

ATTN: Richard Bell

Test Start: 2006.12.14 @ 09:13:35

Tool Information

Drill Pipe:	Length: 3375.00 ft	Diameter: 3.80 inches	Volume: 47.34 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:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	75000.00 lb
			Total Volume: 47.93 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3487.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	43.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3472.00	
Hydraulic tool	5.00			3477.00	
Packer	5.00			3482.00	20.00 Bottom Of Top Packer
Packer	5.00			3487.00	
Stubb	1.00			3488.00	
Recorder	0.00	6799	Inside	3488.00	
Perforations	19.00			3507.00	
Recorder	0.00	3354	Outside	3507.00	
Bullnose	3.00			3510.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esther-Worcester #1-12

PO Box 428
Logan KS 67646

12 7S 22W Graham KS

Job Ticket: 26067

DST#: 2

ATTN: Richard Bell

Test Start: 2006.12.14 @ 09:13:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 0.07 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	VSWCM 2%W 98%M	0.467

Total Length: 95.00 ft

Total Volume: 0.467 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

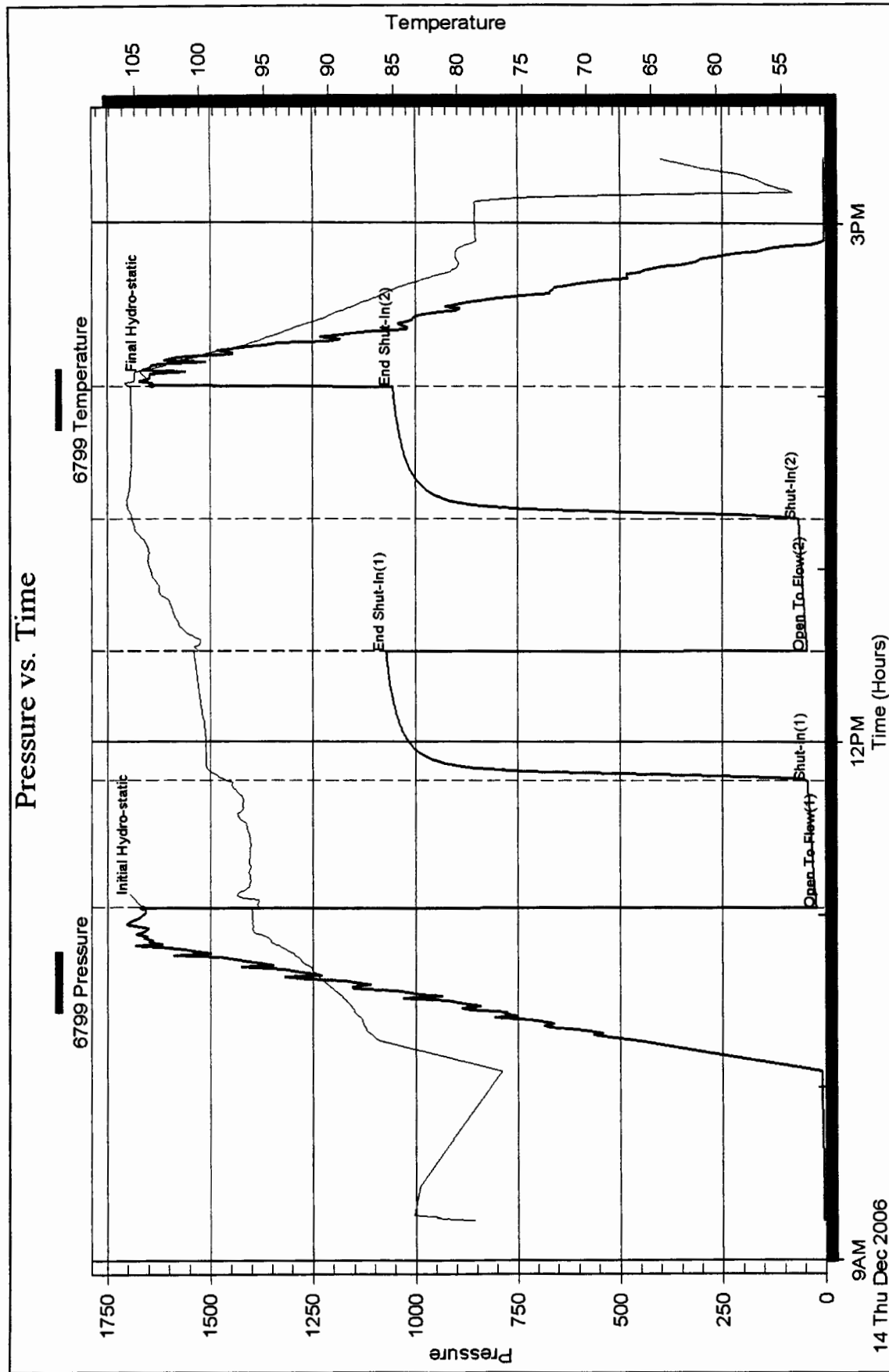
Serial #: 6799

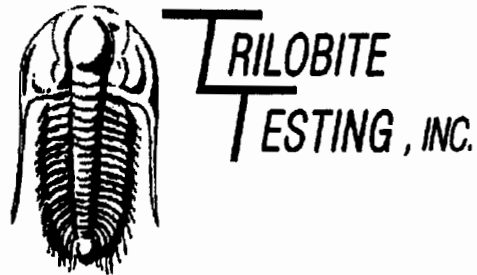
Inside

12 7S 22W Graham KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

12 7S 22W Graham KS

Esther-Worcester #1-12

Start Date: 2006.12.15 @ 01:38:02

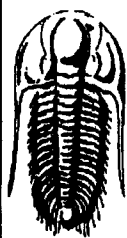
End Date: 2006.12.15 @ 08:18:41

Job Ticket #: 26068 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

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Esther-Worcester #1-12

12 7S 22W Graham KS

Job Ticket: 26068 **DST#: 3**

Test Start: 2006.12.15 @ 01:38:02

GENERAL INFORMATION:

Formation: **L-KC "I&J"**

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

Time Tool Opened: 03:49:42

Time Test Ended: 08:18:41

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3565.00 ft (KB) To 3598.00 ft (KB) (TVD)**

Total Depth: **3598.00 ft (KB) (TVD)**

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

Reference Elevations: **2194.00 ft (KB)**

2189.00 ft (CF)

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

Serial #: 6799

Inside

Press@RunDepth: **19.18 psig @ 3566.00 ft (KB)**

Start Date: **2006.12.15**

End Date:

2006.12.15

Capacity: **7000.00 psig**

Last Calib.: **2006.12.15**

Start Time: **01:38:04**

End Time:

08:18:42

Time On Btm: **2006.12.15 @ 03:49:32**

Time Off Btm: **2006.12.15 @ 06:51:32**

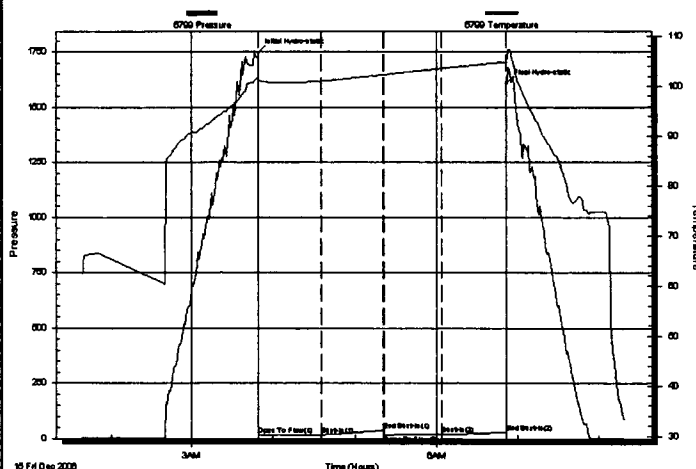
TEST COMMENT: IF Weak blow built to 1" in 30 min died by end of flow period

ISI Bled off no blow back

FF No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.21	101.73	Initial Hydro-static
1	16.72	101.19	Open To Flow (1)
47	17.83	101.07	Shut-In(1)
92	39.83	102.32	End Shut-In(1)
92	17.84	102.33	Open To Flow(2)
135	19.18	103.60	Shut-In(2)
182	30.71	104.88	End Shut-In(2)
183	1606.82	105.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esther-Worcester #1-12

PO Box 428
Logan KS 67646

12 7S 22W Graham KS

Job Ticket: 26068

DST#: 3

ATTN: Richard Bell

Test Start: 2006.12.15 @ 01:38:02

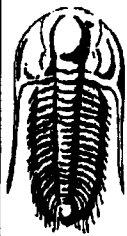
Tool Information

Drill Pipe:	Length: 3438.00 ft	Diameter: 3.80 inches	Volume: 48.23 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:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	48.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3565.00 ft			Final	44000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3550.00	
Hydraulic tool	5.00			3555.00	
Packer	5.00			3560.00	20.00 Bottom Of Top Packer
Packer	5.00			3565.00	
Stubb	1.00			3566.00	
Recorder	0.00	6799	Inside	3566.00	
Perforations	29.00			3595.00	
Recorder	0.00	3354	Outside	3595.00	
Bullnose	3.00			3598.00	33.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esther-Worcester #1-12

PO Box 428
Logan KS 67646

12 7S 22W Graham KS

Job Ticket: 26068

DST#: 3

ATTN: Richard Bell

Test Start: 2006.12.15 @ 01:38:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 0.07 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig 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:

DST Test Number: 3

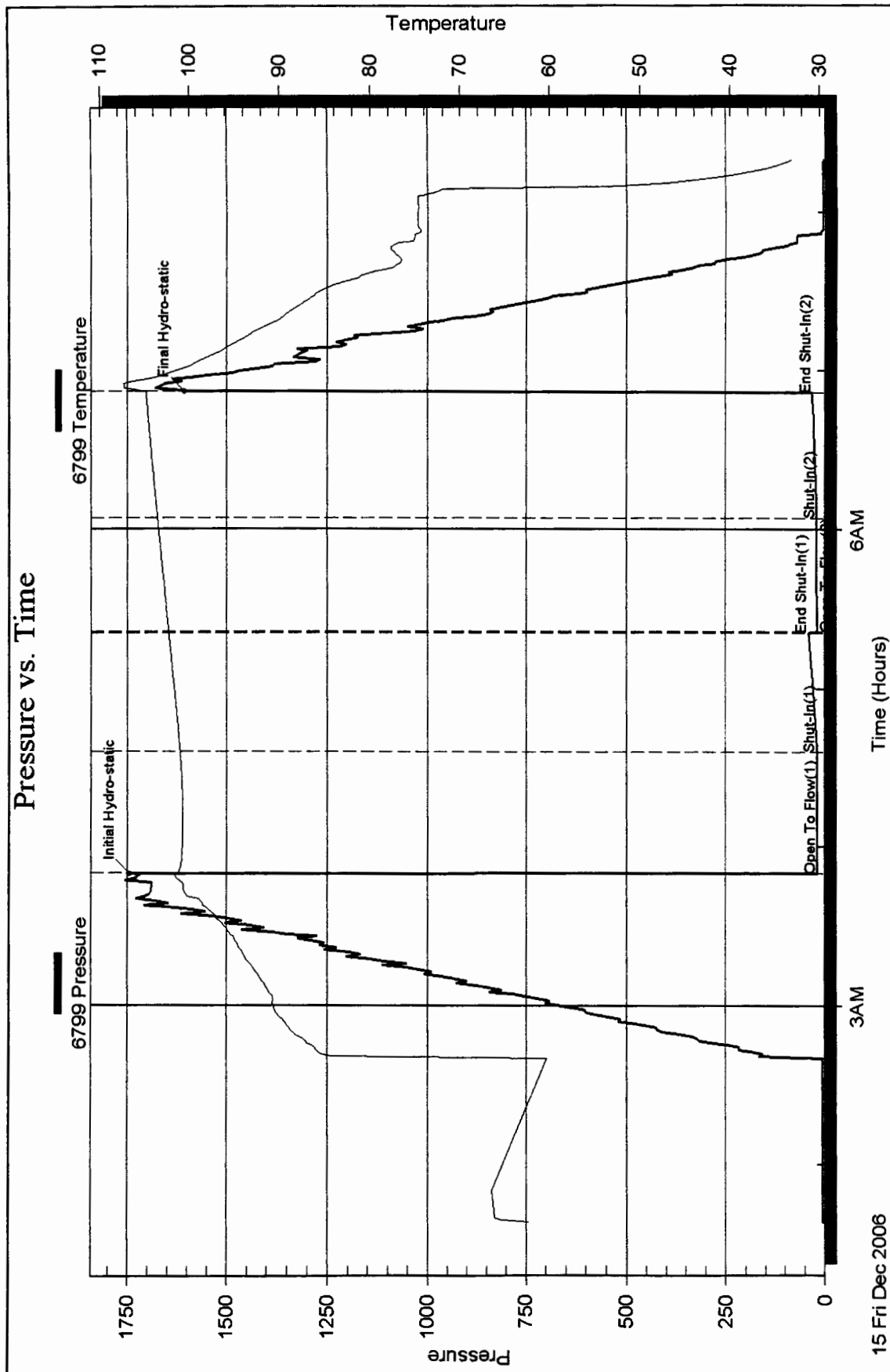
12.7S 22W Graham KS

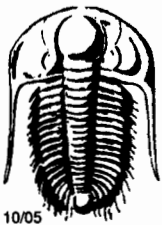
Baird Oil Company LLC

Inside

Serial #: 6799

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26066

9673

Test Ticket

Well Name & No. <u>Esther Worcester #1-12</u>	Test No. <u>1</u>	Date <u>12-13-06</u>
Company <u>Baird Oil Company, LLC</u>	Zone Tested <u>L-KC "C"</u>	
Address <u>P.O. Box 428, Logan, Kansas 67646</u>	Elevation <u>2194</u> KB <u>2189</u> GL	
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>WW Rig #4</u>	
Location: Sec. <u>12</u> Twp. <u>7s</u> Rge. <u>22w</u>	Co. <u>Graham</u>	State <u>Kansas</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3450 - 3472</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>45000</u>
Anchor Length <u>22</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>70000</u>
Top Packer Depth <u>3445</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3450</u>	Hole Size 7 7/8" <u>yes</u>	Rubber Size 6 3/4" <u>yes</u>
Total Depth <u>3472</u>	Wt. Pipe Run <u>none</u>	Drill Collar Run <u>120</u>
Mud Wt. <u>9.0</u> LCM <u>STR</u> Vis. <u>51</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2 x 6</u>	Ft. Run <u>3314</u>

Blow Description IF: Fairly strong blow, BOB 22 minutes.
ISI: Bled off, no blowback.
FF: Fair blow building to 9 1/2" in bucket.
FSI: Bled off, no blowback

Recovery - Total Feet <u>340</u>	GIP <u>0</u>	Ft. in DC <u>120</u>	Ft. in DP <u>220</u>
Rec. <u>2</u> Feet of <u>Oil</u>	%gas <u>100</u>	%oil <u>0</u>	%water <u>0</u>
Rec. <u>120</u> Feet of <u>SOSMcW</u>	%gas <u>1</u>	%oil <u>80</u>	%water <u>19</u>
Rec. <u>218</u> Feet of <u>Salt Water</u>	%gas <u>0</u>	%oil <u>0</u>	%water <u>100</u>
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
BHT <u>115</u> °F Gravity <u>NC</u>	°API D @ _____	°F Corrected Gravity _____	°API _____
RW <u>1 1/2 @ 47</u> °F	Chlorides <u>60500</u> ppm	Recovery _____	Chlorides <u>1400</u> ppm System

(A) Initial Hydrostatic Mud <u>1671</u> PSI	Recorder No. <u>6799</u>	Test <u>8 HOUR 1100</u>
(B) First Initial Flow Pressure <u>18</u> PSI	(depth) <u>3451</u>	Jars _____
(C) First Final Flow Pressure <u>102</u> PSI	Recorder No. <u>3354</u>	Safety Jt. _____
(D) Initial Shut-In Pressure <u>1032</u> PSI	(depth) <u>3469</u>	Circ Sub <u>NC</u>
(E) Second Initial Flow Pressure <u>104</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure <u>144</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure <u>1017</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>1652</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
	Final Flow <u>30</u>	Ruined Packer _____
	Final Shut-In <u>45</u>	Mileage <u>136 R.T. 170</u>
	T-On Location <u>17:00</u>	Sub Total: _____
	T-Started <u>17:46 IN 20m</u>	Std. By _____
	T-Open <u>19:23</u>	Acc. Chg: <u>117.20</u>
	T-Pulled <u>21:53</u>	Other: _____
	T-Out <u>23:45</u>	Total: _____

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Approved By Richard Bell

Our Representative Jacob E. Johnson

CHART PAGE

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

Baird D.T.

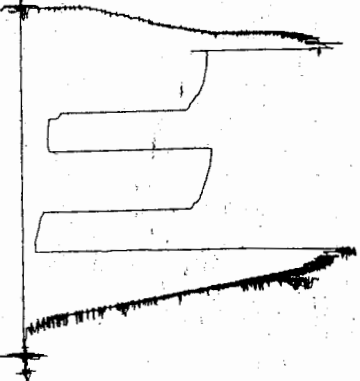
Estuar Worcester #1-12

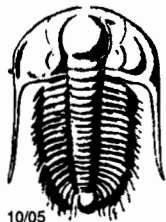
1275 #1 12-13-06

LKE "Cu"

3470-3472

Serial #3354





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26067

Test Ticket

Well Name & No. Esther - Worcester #1-12 Test No. 2 Date 12-14-06
 Company Baird Oil Company, LLC Zone Tested L-KC "E-F"
 Address P.O. Box 428, Logan, KS 67646 Elevation 2194 KB 2189 GL
 Co. Rep Geo. Richard Bell Rig WW #4
 Location: Sec. 12 Twp. 7s Rge. 22w Co. Graham State Kansas
 Comment: _____ Release date / time: _____

Interval Tested 3487 - 3510 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 45000
 Anchor Length 23 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 75000
 Top Packer Depth 3482 Tool Weight 2100 (chased bottom 2')
 Bottom Packer Depth 3487 Hole Size 7 7/8" Yes Rubber Size 6 3/4" Yes
 Total Depth 3510 Wt. Pipe Run None Drill Collar Run 120
 Mud Wt. 9.1 LCM R Vis. 62 WL 7.2 Drill Pipe Size 4 1/2 x 4 Ft. Run 3375

Blow Description IF: Weak blow building to 3" in bucket.
ISI: Bleed off, very weak blowback by end of shut in period.
FF: Weak blow building to 1" in bucket
FSI: Bleed off, no blowback

Recovery - Total Feet 95 GIP 0 Ft. in DC 95 Ft. in DP 0
 Rec. 95 Feet of VS WCM %gas %oil 2 %water 98 %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 105 °F Gravity NA °API D @ _____ °F Corrected Gravity _____ °API
 RW NC @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2900 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	6799	Test	8 Hour 1100
(B) First Initial Flow Pressure	1664	PSI	(depth)	3488	Jars	_____
(C) First Final Flow Pressure	21	PSI	Recorder No.	3354	Safety Jt.	_____
(D) Initial Shut-In Pressure	43	PSI	(depth)	3507	Circ Sub	NC
(E) Second Initial Flow Pressure	1071	PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure	45	PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	66	PSI	Initial Opening	45	Ext. Packer	_____
(Q) Final Hydrostatic Mud	1055	PSI	Initial Shut-In	45	Shale Packer	_____
	1666	PSI	Final Flow	45	Ruined Packer	_____
			Final Shut-In	45	Mileage	136 RT 170

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Approved By Richard Bell

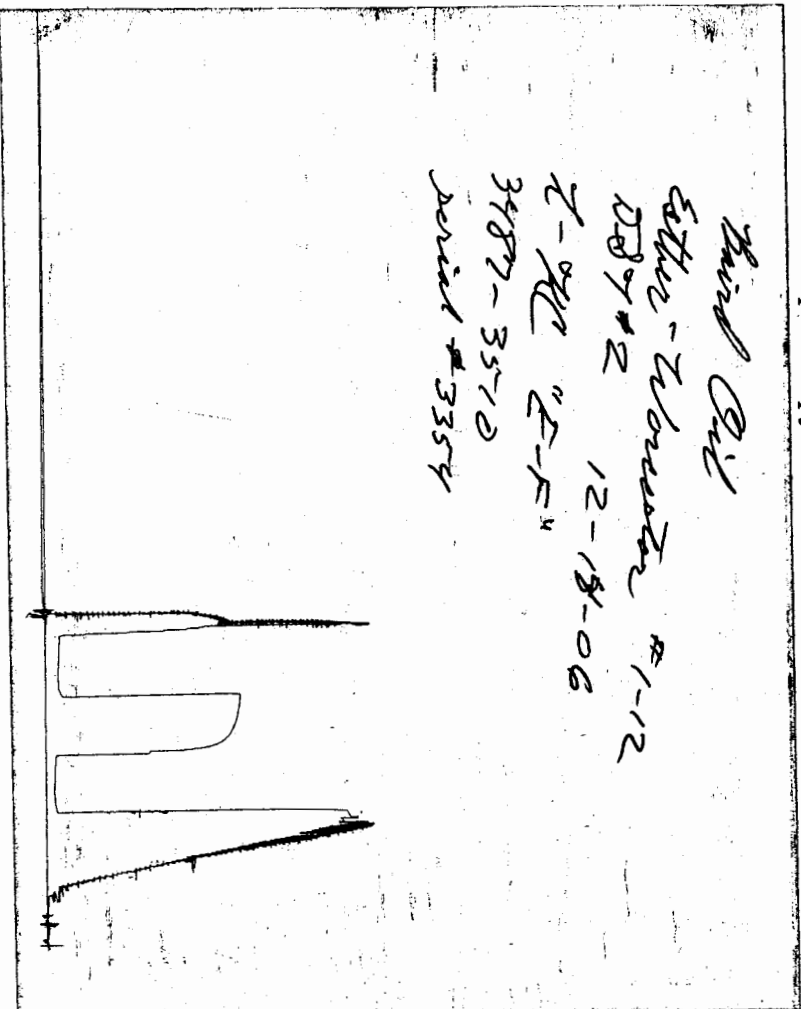
Our Representative Paul E. Johnson

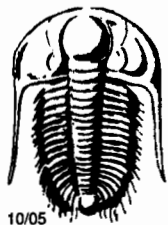
T-On Location 08:45 1 hour
 T-Started 09:13
 T-Open 11:02
 T-Pulled 14:03
 T-Out 15:15

Sub Total: 1270
 Std. By 1270
 Acc. Chg: 1270
 Other: _____
 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26068

Test Ticket

Well Name & No. Esther - Worcester #1-12 Test No. 3 Date 12-15-06
 Company Baird Oil Company Zone Tested L, KC "I&J"
 Address P.O. Box 428, Logan, KS 67646 Elevation 2194 KB 2189 GL
 Co. Rep / Geo. Richard Bell Rig WW Rig #4
 Location: Sec. 12 Twp. 7s Rge. 22w Co. Graham State Kansas
 Comment: _____ Release date / time: _____

Interval Tested 3565-3598 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000
 Anchor Length 33 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 60000
 Top Packer Depth 3560 Tool Weight 2100
 Bottom Packer Depth 3565 Hole Size 7 7/8" Yes Rubber Size 6 3/4" Yes
 Total Depth 3598 Wt. Pipe Run None Drill Collar Run 120
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 x 6 Ft. Run 3438
 Blow Description IF: Weak blow built to 1" in 30 min, died off by end of flow
ISI: Bled off, no blowback.
FF: No blow
FSI: No blowback

Recovery - Total Feet 5 GIP 0 Ft. in DC 5 Ft. in DP 0
 Rec. 5 Feet of Drilg 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 _____ 'F Gravity NA 'API D @ _____ 'F Corrected Gravity _____ 'API
 RW NA @ _____ 'F Chlorides _____ ppm Recovery _____ Chlorides 2900 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1725	PSI	Recorder No.	6799	Test	8 Hour 1100
(B) First Initial Flow Pressure			17	PSI	(depth)	3566	Jars	
(C) First Final Flow Pressure			18	PSI	Recorder No.	3354	Safety Jt.	
(D) Initial Shut-In Pressure			40	PSI	(depth)	3595	Circ Sub	NC
(E) Second Initial Flow Pressure			18	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			19	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			31	PSI	Initial Opening	45	Ext. Packer	
(Q) Final Hydrostatic Mud			1731	PSI	Initial Shut-In	45	Shale Packer	
					Final Flow	45	Ruined Packer	
					Final Shut-In	45	Mileage	136 R.T. 110
					T-On Location	01:30	Sub Total:	
					T-Started	01:38	Std. By	
					T-Open	03:49	Acc. Chg:	1270
					T-Pulled	06:51	Other:	
					T-Out	08:15	Total:	

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Approved By Richard Bell

Our Representative Joe E. Thumbe

CHART PAGE

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

David Oil Company
Esther Worcester 1-12
B89#3 3565-3598
AKC "ITS"
series # 10270 12-15-06
JF

