

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co**

PO Box 428
Logan KS

ATTN: Gary Gensch

2-7s-22w Graham

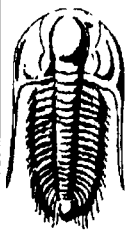
Cleon Davis 1-2

Start Date: 2005.07.10 @ 04:47:29

End Date: 2005.07.10 @ 09:06:44

Job Ticket #: 22158 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 Co

PO Box 428
Logan KS

ATTN: Gary Gensch

Cleon Davis 1-2

2-7s-22w Graham

Job Ticket: 22158

DST#: 1

Test Start: 2005.07.10 @ 04:47:29

GENERAL INFORMATION:

Formation: **Lans A**

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

Time Tool Opened: 06:36:44

Time Test Ended: 09:06:44

Test Type: **Conventional Bottom Hole**

Tester: **Michael**

Unit No: **15**

Interval: **3508.00 ft (KB) To 3528.00 ft (KB) (TVD)**

Total Depth: **3528.00 ft (KB) (TVD)**

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

Reference Elevations: **2275.00 ft (KB)**

2270.00 ft (CF)

KB to GRVCF: **5.00 ft**

Serial #: 8166

Inside

Press@RunDepth: **12.59 psig @ 3509.00 ft (KB)**

Start Date: **2005.07.10**

End Date: **2005.07.10**

Start Time: **04:47:30**

End Time: **09:06:44**

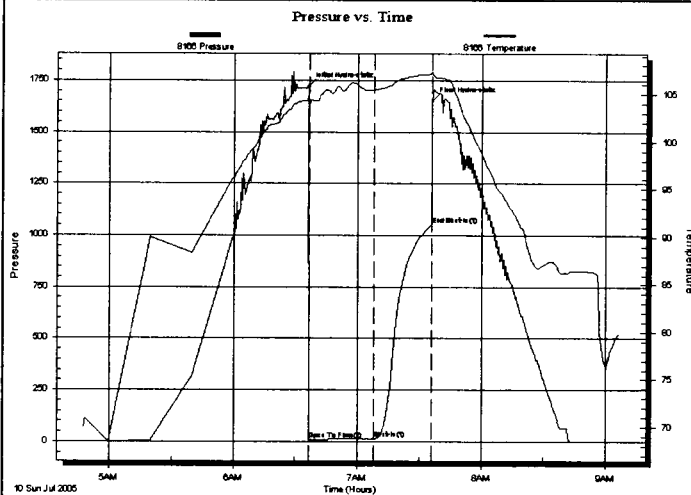
Capacity: **7000.00 psig**

Last Calib.: **2005.07.10**

Time On Btm: **2005.07.10 @ 06:36:29**

Time Off Btm: **2005.07.10 @ 07:35:59**

TEST COMMENT: **IF- Weak Surface blow**
IS- No blow



PRESSURE SUMMARY

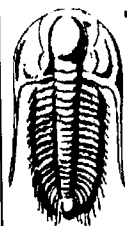
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1722.27	104.67	Initial Hydro-static
1	8.22	103.77	Open To Flow (1)
32	12.59	105.46	Shut-In(1)
60	1053.26	107.11	End Shut-In(1)
60	1649.00	107.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Slightly oil spotted Drilling Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co

PO Box 428

Logan KS

ATTN: Gary Gensch

Cleon Davis 1-2

2-7s-22w Graham

Job Ticket: 22158

DST#: 1

Test Start: 2005.07.10 @ 04:47:29

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	48.17 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3508.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	41.00 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			3488.00	
Shut In Tool	5.00			3493.00	
Hydraulic tool	5.00			3498.00	
Packer	5.00			3503.00	21.00 Bottom Of Top Packer
Packer	5.00			3508.00	
Blank Spacing	1.00			3509.00	
Recorder	0.00	8166	Inside	3509.00	
Perforations	16.00			3525.00	
Recorder	0.00	11020	Outside	3525.00	
Bullhose	3.00			3528.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co

Cleon Davis 1-2

PO Box 428

2-7s-22w Graham

Logan KS

Job Ticket: 22158

DST#: 1

ATTN: Gary Gensch

Test Start: 2005.07.10 @ 04:47:29

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: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Slightly oil spotted Drilling Mud	0.020

Total Length: 4.00 ft

Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

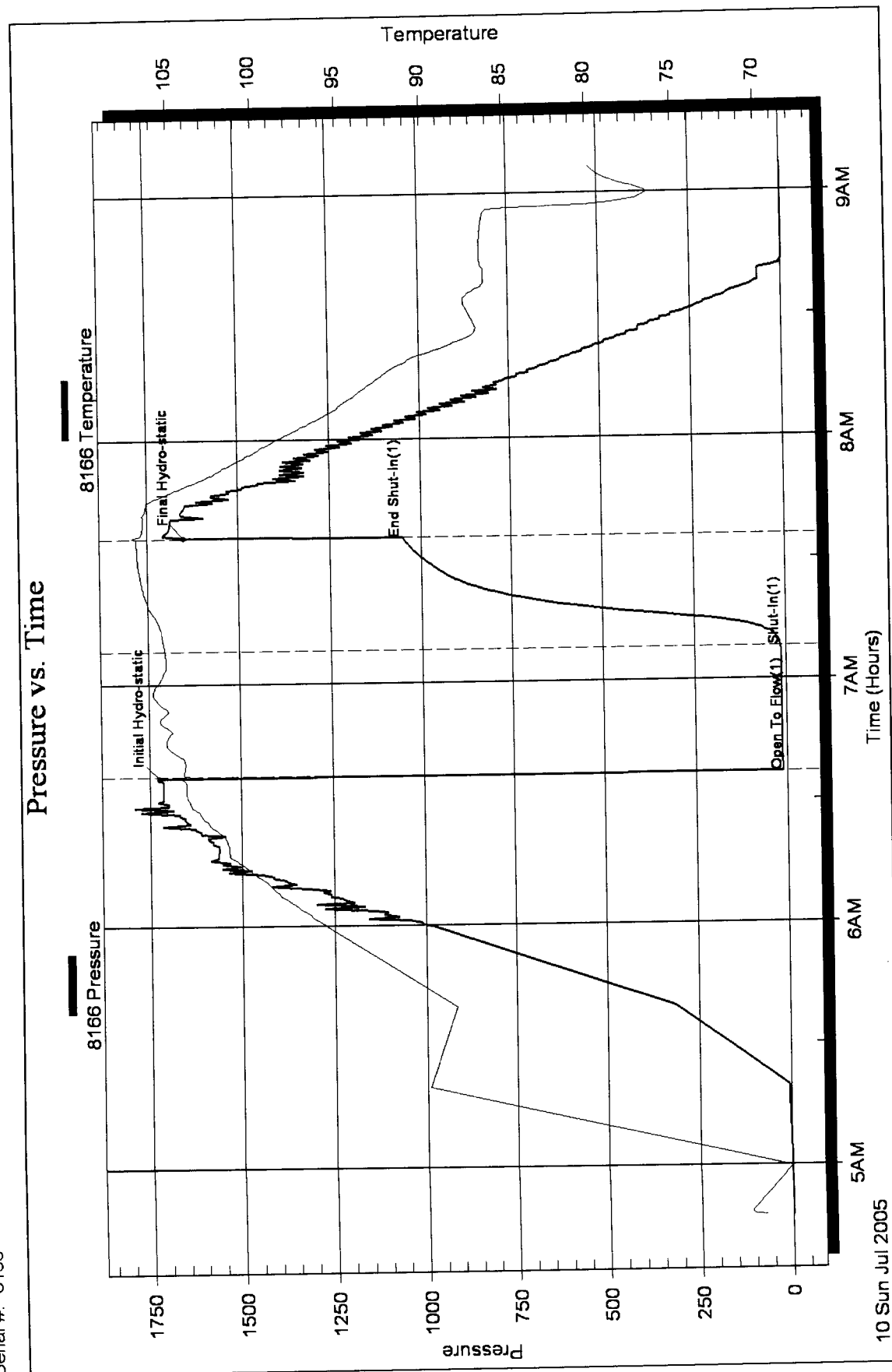
DST Test Number: 1

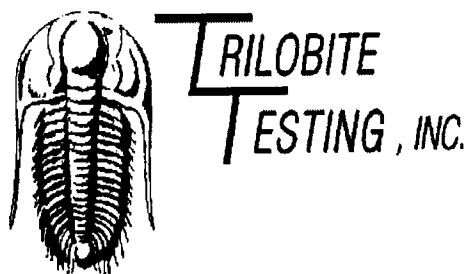
2-7s-22w Graham

Inside Baird Oil Co

Serial #: 8166

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co**

PO Box 428
Logan KS

ATTN: Gary Gensch

2-7s-22w Graham

Cleon Davis 1-2

Start Date: 2005.07.10 @ 17:57:30

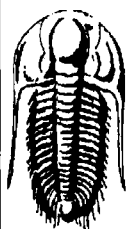
End Date: 2005.07.10 @ 21:38:00

Job Ticket #: 22159 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 Co

PO Box 428
Logan KS

ATTN: Gary Gensch

Cleon Davis 1-2

2-7s-22w Graham

Job Ticket: 22159

DST#: 2

Test Start: 2005.07.10 @ 17:57:30

GENERAL INFORMATION:

Formation: **LANS**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:20:30

Time Test Ended: 21:38:00

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 15

Interval: **3552.00 ft (KB) To 3569.00 ft (KB) (TVD)**

Total Depth: 3569.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2275.00 ft (KB)

2270.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166 Inside

Press@RunDepth: 17.63 psig @ 3553.00 ft (KB)

Start Date: 2005.07.10

End Date:

2005.07.10

Start Time: 17:57:31

End Time:

21:38:00

Capacity: 7000.00 psig

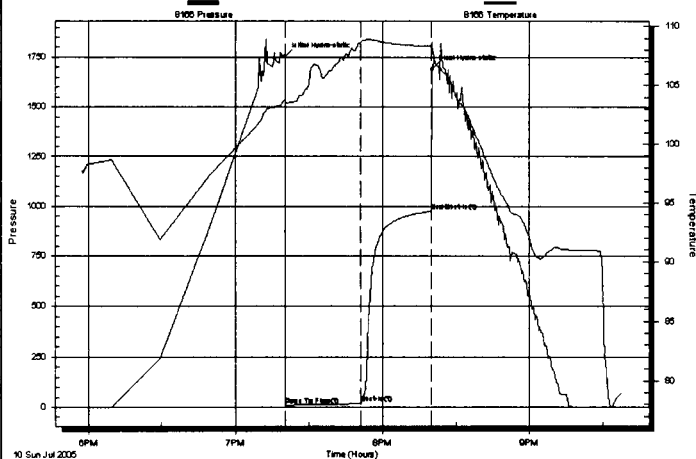
Last Calib.: 2005.07.10

Time On Btm: 2005.07.10 @ 19:20:15

Time Off Btm: 2005.07.10 @ 20:20:15

TEST COMMENT: IF- Slow building to 1/4" in 11m stayed there
IS- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.27	103.79	Initial Hydro-static
1	9.67	103.34	Open To Flow (1)
31	17.63	108.60	Shut-In(1)
60	975.10	108.34	End Shut-In(1)
60	1690.51	108.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	oil spotted w ater cut drilling mud	0.03
0.00	water 40000 ch	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

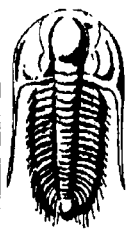
Baird Oil Co
PO Box 428
Logan KS
ATTN: Gary Gensch

Cleon Davis 1-2
2-7s-22w Graham
Job Ticket: 22159 **DST#: 2**
Test Start: 2005.07.10 @ 17:57:30

Tool Information

Drill Pipe:	Length:	3421.00 ft	Diameter:	3.80 inches	Volume:	47.99 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	121.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	48.59 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		11.00 ft					String Weight: Initial	43000.00 lb
Depth to Top Packer:		3552.00 ft					Final	43000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		17.00 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			3532.00	
Shut In Tool	5.00			3537.00	
Hydraulic tool	5.00			3542.00	
Packer	5.00			3547.00	21.00 Bottom Of Top Packer
Packer	5.00			3552.00	
Blank Spacing	1.00			3553.00	
Recorder	0.00	8166	Inside	3553.00	
Perforations	13.00			3566.00	
Recorder	0.00	11020	Outside	3566.00	
Bullnose	3.00			3569.00	17.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co

Cleon Davis 1-2

PO Box 428
Logan KS

2-7s-22w Graham

Job Ticket: 22159

DST#: 2

ATTN: Gary Gensch

Test Start: 2005.07.10 @ 17:57:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	oil spotted w ater cut drilling mud	0.030
0.00	w ater 40000 ch	0.000

Total Length: 6.00 ft

Total Volume: 0.030 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

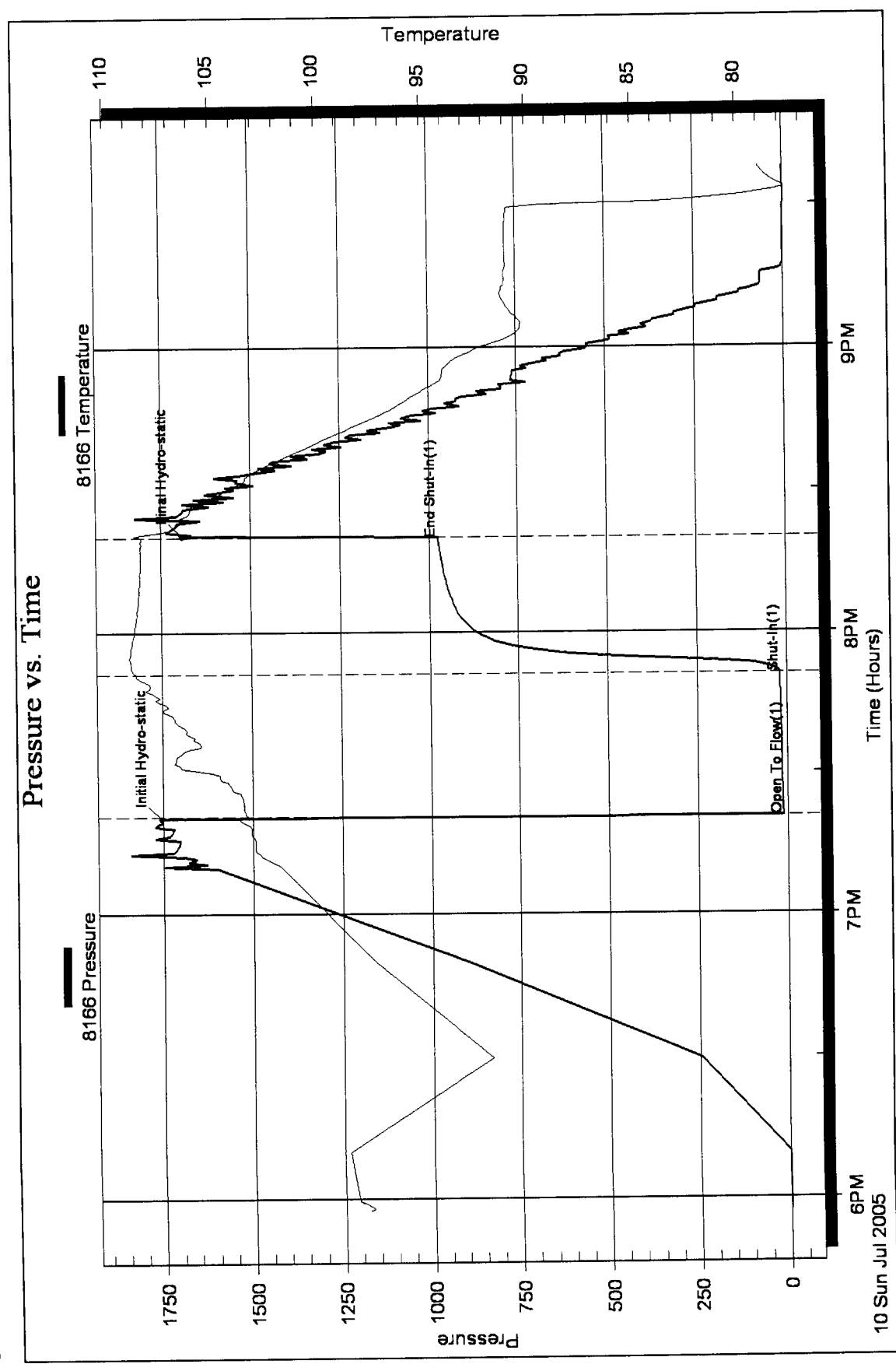
Recovery Comments:

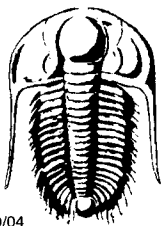
DST Test Number: 2

2-7s-22w Graham

Inside Baird Oil Co

Serial #: 8166





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

TUV
7669

No 22158

Test Ticket

Well Name & No. #1-2 Clean Davis Test No. 1 Date 7-10-05
 Company Baird Oil Co. Zone Tested Lans A
 Address PO Box 428 Logan Elevation 2275 KB 2270 GL
 Co. Rep / Geo. Gary E Gensch Cont. W-W Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3508 - 3528 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
 Anchor Length 20 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 45,000
 Top Packer Depth 3503 Tool Weight 2000
 Bottom Packer Depth 3508 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3528 Wt. Pipe Run _____ Drill Collar Run 121
 Mud Wt. 8.6 LCM 0 Vis. 5.6 WL 7.6 Drill Pipe Size 4 1/2 Ft. Run 3391
 Blow Description IF - Weak Surface blow
ISI - No Blow

Recovery - Total Feet 4 GIP _____ Ft. in DG _____ Ft. in DP _____
 Rec. 4 Feet of Slightly spoils spotted Drilling Mud %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 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

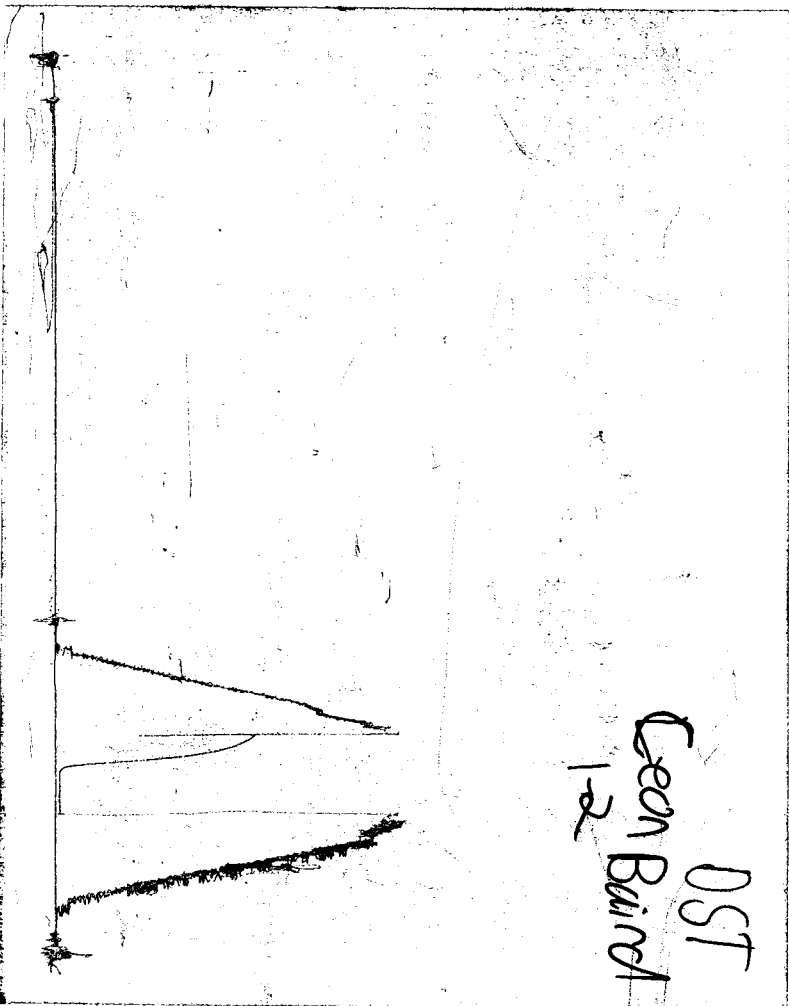
(A) Initial Hydrostatic Mud	AK-1	Alpine	1722 PSI	Recorder No.	8166	Test	950
(B) First Initial Flow Pressure			8.22 PSI	(depth)	3510	Jars	
(C) First Final Flow Pressure			12.59 PSI	Recorder No.	11020	Safety Jt.	
(D) Initial Shut-In Pressure			1053 PSI	(depth)	3525	Circ Sub	
(E) Second Initial Flow Pressure			PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			PSI	Initial Opening	30	Ext. Packer	
(Q) Final Hydrostatic Mud			1649 PSI	Initial Shut-In	30	Shale Packer	
				Final Flow		Ruined Packer	
				Final Shut-In		Mileage	150
				T-On Location	1:20	Sub Total:	1100
				T-Started	4:47	Std. By	
				T-Open	6:45	Other	
				T-Pulled	7:45	Total:	
				T-Out	9:00		

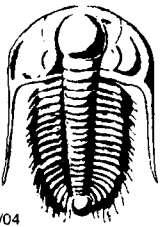
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Gary E Gensch
 Our Representative Michael

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22159

9/04

Test Ticket

Well Name & No. <u>Cleon Davis #1-2</u>	Test No. <u>2</u>	Date <u>7-10-05</u>
Company <u>Baird Oil Co.</u>	Zone Tested _____	
Address <u>P.O. Box 428 Logan KS</u>	Elevation <u>2275</u>	KB <u>2220</u> GL
Co. Rep / Geo. <u>Gary F. Gensch</u>	Cont. <u>W-W-2</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>2</u> Twp. <u>7s</u>	Rge. <u>22w</u>	Co. <u>Graham</u> State <u>KS</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3552-3569</u>	Initial Str Wt./Lbs. <u>42,000</u>	Unseated Str Wt./Lbs. <u>42,000</u>
Anchor Length <u>17</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>58,000</u>
Top Packer Depth <u>3547</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3552</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3569</u>	Wt. Pipe Run _____	Drill Collar Run <u>121</u>
Mud Wt. <u>9.0</u> LCM <u>0</u> Vis. <u>50</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3421</u>
Blow Description <u>IF - Slow building to 1/4" after 11m - Stayed there</u> <u>ISI - No Blow</u>		

Recovery - Total Feet <u>6</u>	GIP	Ft. in DC	Ft. in DP
Rec. <u>6</u>	Feet of <u>Oil spotted watercut Drilling Mud</u>	%oil <u>20</u>	%water <u>80</u> %mud
Rec. _____	Feet of <u>Water 40,000 ch</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 <u>108</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides _____ ppm System	

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI	Recorder No. <u>8166</u>	Test _____
(B) First Initial Flow Pressure	<u>1755</u>	<u>9.67</u>	PSI	(depth) <u>3553</u>	Jars _____
(C) First Final Flow Pressure	<u>17.63</u>	<u>17.63</u>	PSI	Recorder No. <u>11020</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>975</u>	<u>975</u>	PSI	(depth) <u>3568</u>	Circ Sub _____
(E) Second Initial Flow Pressure			PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure			PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure			PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1190</u>		PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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Approved By Gary F. Gensch
Our Representative Michael

Final Flow _____
Final Shut-In _____
T-On Location
T-Started 17:57
T-Open 18:30
T-Pulled 19:30
T-Out 20:45

Mileage 29
Sub Total: 1100
Std. By 979
Other _____
Total: _____

CHART PAGE

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

