

15-051-26148

34-15s-16w



DRILL STEM TEST REPORT

Prepared For: **Aaron Oil**

1409 Washington Circle
Hays, KS 67601

ATTN: Mark Downing

34-15s-16w Ellis,KS

Foster Estate #2

Start Date: 2011.06.13 @ 02:53:10

End Date: 2011.06.13 @ 07:50:40

Job Ticket #: 42898 DST #: 1

RECEIVED

FEB 27 2012

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Printed: 2011.06.21 @ 09:45:18 Page 1

Aaron Oil

Foster Estate #2

34-15s-16w Ellis,KS

DST # 1

LKC "C&D"

2011.06.13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Aaron Oil
1409 Washington Circle
Hays, KS 67601
ATTN: Mark Downing

Foster Estate #2
34-15s-16w Ellis, KS
Job Ticket: 42898 DST#: 1
Test Start: 2011.06.13 @ 02:53:10

GENERAL INFORMATION:

Formation: **LKC "C&D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:21:30

Time Test Ended: 07:50:40

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **3118.00 ft (KB) To 3160.00 ft (KB) (TVD)**

Total Depth: 3160.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1819.00 ft (KB)

1813.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: **8354**

Inside

Press@RunDepth: 72.50 psig @ 3154.00 ft (KB)

Start Date: 2011.06.13

End Date:

2011.06.13

Start Time: 03:03:10

End Time:

07:50:40

Capacity: 8000.00 psig

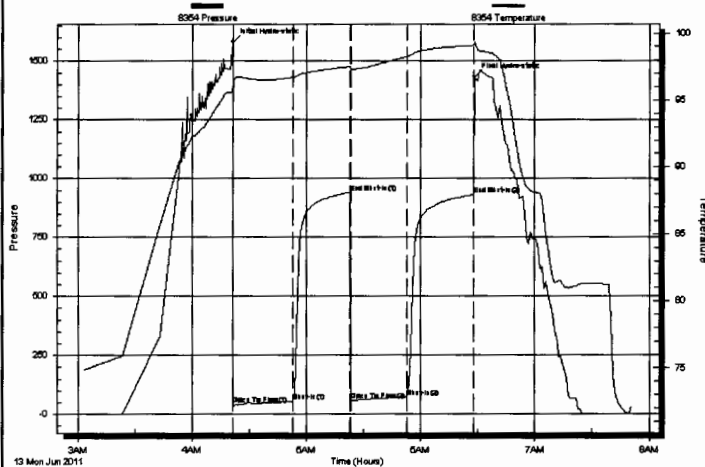
Last Calib.: 2011.06.13

Time On Btm: 2011.06.13 @ 04:21:10

Time Off Btm: 2011.06.13 @ 06:28:10

TEST COMMENT: IF-Weak building blow . Built to 7 inches.
IS-No Return.
FF-Weak building blow . Built to 2&1/2 inches.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

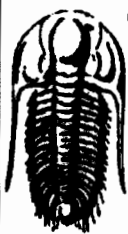
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1580.48	95.91	Initial Hydro-static
1	41.00	95.69	Open To Flow (1)
32	55.99	96.72	Shut-In(1)
62	941.68	97.51	End Shut-In(1)
62	58.45	97.31	Open To Flow (2)
92	72.50	98.25	Shut-In(2)
127	931.95	99.07	End Shut-In(2)
127	1432.88	99.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	70%Water/30%Mud	0.56
65.00	100%Mud	0.91

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Aaron Oil

1409 Washington Circle
Hays, KS 67601

ATTN: Mark Downing

Foster Estate #2

34-15s-16w Ellis, KS

Job Ticket: 42898

DST#: 1

Test Start: 2011.06.13 @ 02:53:10

Tool Information

Drill Pipe:	Length: 3072.00 ft	Diameter: 3.80 inches	Volume: 43.09 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	10000.00 lb
		Total Volume:	43.24 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3118.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	62.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3099.00	
Shut In Tool	5.00		3104.00	
Hydraulic tool	5.00		3109.00	
Packer	5.00		3114.00	20.00 Bottom Of Top Packer
Packer	4.00		3118.00	
Stubb	1.00		3119.00	
Perforations	2.00		3121.00	
Change Over Sub	1.00		3122.00	
Drill Pipe	31.00		3153.00	
Change Over Sub	1.00		3154.00	
Recorder	0.00	8354 Inside	3154.00	
Recorder	0.00	8520 Outside	3154.00	
Perforations	3.00		3157.00	
Bullnose	3.00		3160.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Aaron Oil
1409 Washington Circle
Hays, KS 67601
ATTN: Mark Downing

Foster Estate #2
34-15s-16w Ellis, KS
Job Ticket: 42898 DST#: 1
Test Start: 2011.06.13 @ 02:53:10

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 8.76 in³
Resistivity: 0.13 ohm.m
Salinity: 3100.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 58000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	70%Water/30%Mud	0.559
65.00	100%Mud	0.912

Total Length: 125.00 ft Total Volume: 1.471 bbl

Num Fluid Samples: 0

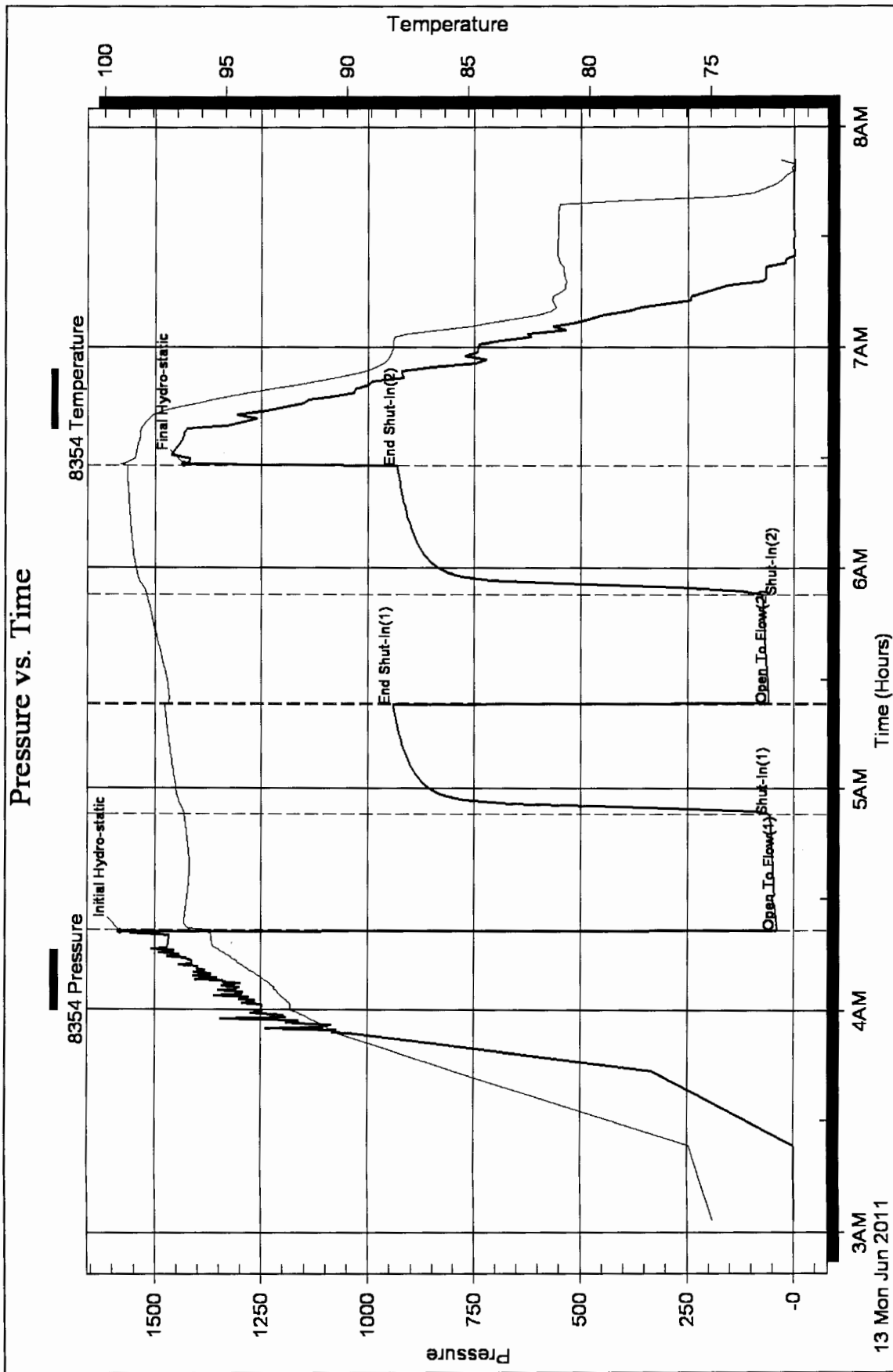
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Aaron Oil**

1409 Washington Circle
Hays, KS 67601

ATTN: Mark Downing

34-15s-16w Ellis,KS

Foster Estate #2

Start Date: 2011.06.13 @ 21:07:02

End Date: 2011.06.14 @ 02:44:32

Job Ticket #: 42899 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Aaron Oil
1409 Washington Circle
Hays, KS 67601
ATTN: Mark Downing

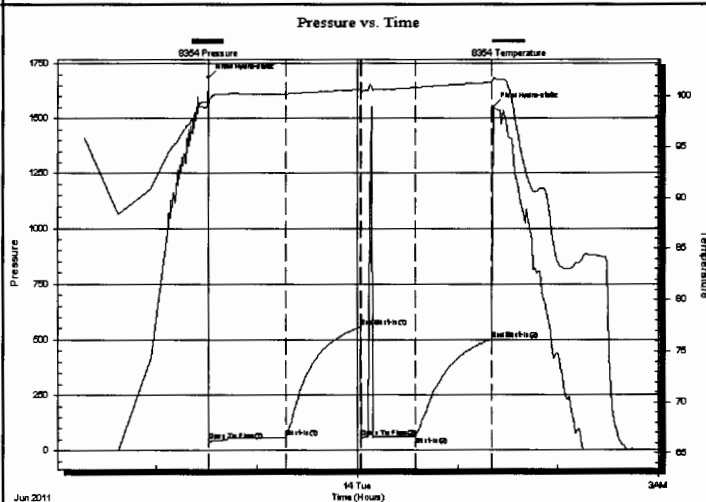
Foster Estate #2
34-15s-16w Ellis, KS
Job Ticket: 42899 DST#: 2
Test Start: 2011.06.13 @ 21:07:02

GENERAL INFORMATION:

Formation: LKC "I-K"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:31:12
Time Test Ended: 02:44:32
Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 38
Interval: 3260.00 ft (KB) To 3310.00 ft (KB) (TVD)
Reference Elevations: 1819.00 ft (KB)
Total Depth: 3310.00 ft (KB) (TVD)
1813.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor
KB to GR/CF: 6.00 ft

Serial #: 8354 Inside
Press@RunDepth: 59.95 psig @ 3296.00 ft (KB)
Capacity: 8000.00 psig
Start Date: 2011.06.13 End Date: 2011.06.14
Last Calib.: 2011.06.14
Start Time: 21:17:02 End Time: 02:44:32
Time On Btm: 2011.06.13 @ 22:30:52
Time Off Btm: 2011.06.14 @ 01:21:32

TEST COMMENT: IF-Weak building blow. Built to 4&1/2 inches. Died to 1 inch.
ISI-No Return.
FF-No blow. Flushed tool. No blow.
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.79	99.52	Initial Hydro-static
1	44.08	99.04	Open To Flow (1)
47	59.07	100.22	Shut-In(1)
92	555.90	100.68	End Shut-In(1)
92	58.23	100.41	Open To Flow (2)
124	59.95	100.83	Shut-In(2)
170	498.62	101.32	End Shut-In(2)
171	1553.61	101.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	100%Mud	0.98

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Aaron Oil

Foster Estate #2

1409 Washington Circle
Hays, KS 67601

34-15s-16w Ellis, KS

Job Ticket: 42899

DST#: 2

ATTN: Mark Downing

Test Start: 2011.06.13 @ 21:07:02

Tool Information

Drill Pipe:	Length: 3226.00 ft	Diameter: 3.80 inches	Volume: 45.25 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: 22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 10000.00 lb
		Total Volume: 45.40 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3260.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3241.00	
Shut In Tool	5.00			3246.00	
Hydraulic tool	5.00			3251.00	
Packer	5.00			3256.00	20.00 Bottom Of Top Packer
Packer	4.00			3260.00	
Stubb	1.00			3261.00	
Perforations	2.00			3263.00	
Change Over Sub	1.00			3264.00	
Drill Pipe	31.00			3295.00	
Change Over Sub	1.00			3296.00	
Recorder	0.00	8354	Inside	3296.00	
Recorder	0.00	8520	Outside	3296.00	
Perforations	11.00			3307.00	
Bullnose	3.00			3310.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Aaron Oil
1409 Washington Circle
Hays, KS 67601
ATTN: Mark Downing

Foster Estate #2
34-15s-16w Ellis, KS
Job Ticket: 42899 **DST#: 2**
Test Start: 2011.06.13 @ 21:07:02

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.16 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4700.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	100%Mud	0.980

Total Length: 90.00 ft Total Volume: 0.980 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

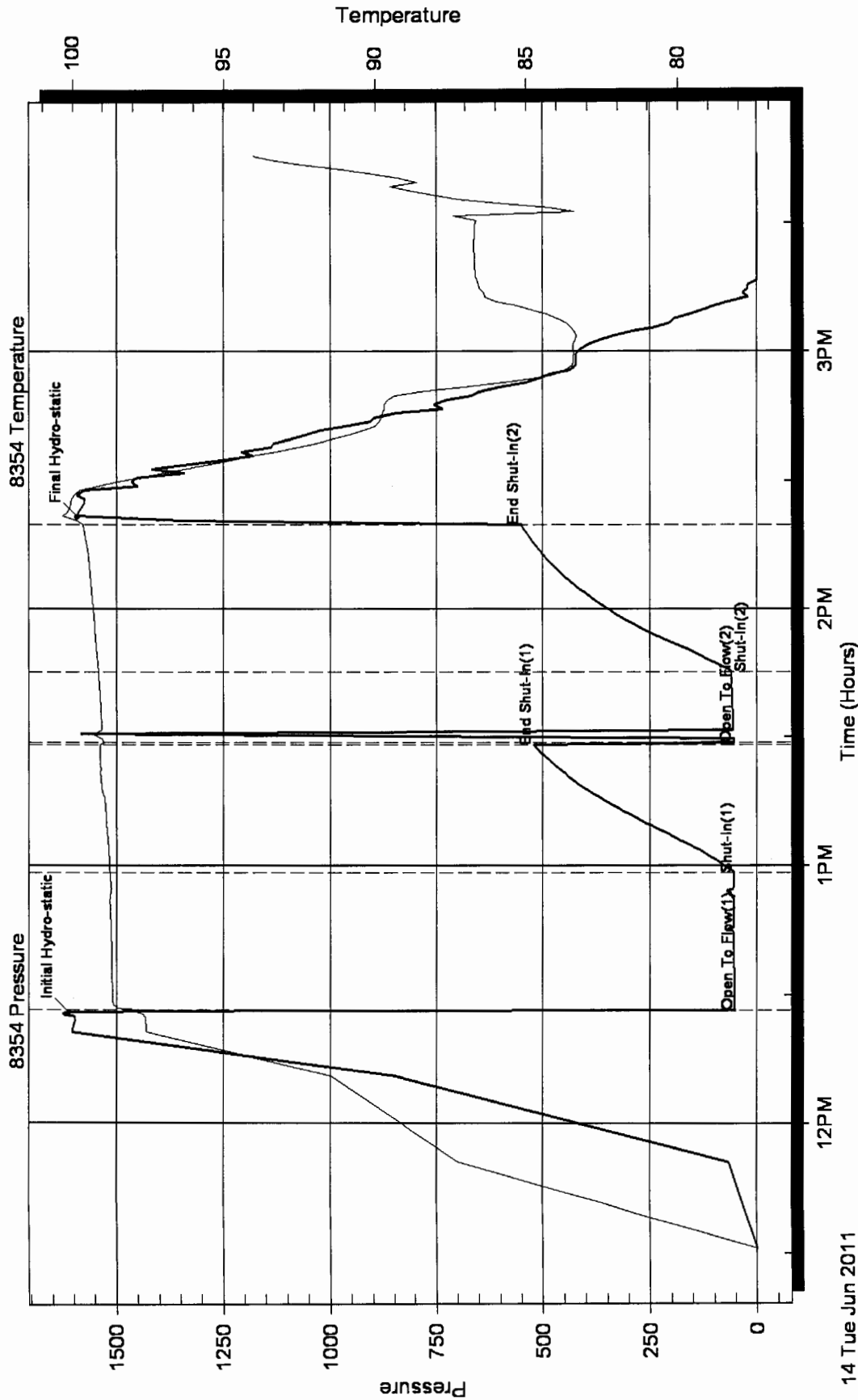
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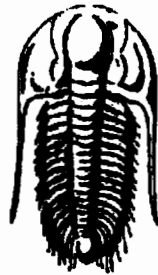
Laboratory Name:

Laboratory Location:

Recovery Comments: Slid 12 feet. Packer set, then slid 5 foot more.

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Aaron Oil**

1409 Washington Circle
Hays, KS 67601

ATTN: Mark Downing

34-15s-16w Ellis,KS

Foster Estate #2

Start Date: 2011.06.14 @ 11:21:00

End Date: 2011.06.14 @ 15:45:30

Job Ticket #: 42900 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Aaron Oil

Foster Estate #2

34-15s-16w Ellis,KS

DST # 3

Cong Sand

2011.06.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Aaron Oil
1409 Washington Circle
Hays, KS 67601
ATTN: Mark Downing

Foster Estate #2
34-15s-16w Ellis, KS
Job Ticket: 42900 DST#: 3
Test Start: 2011.06.14 @ 11:21:00

GENERAL INFORMATION:

Formation: **Cong Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:26:20
Time Test Ended: 15:45:30

Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 38

Interval: **3325.00 ft (KB) To 3385.00 ft (KB) (TVD)**
Total Depth: 3385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1819.00 ft (KB)
1813.00 ft (CF)
KB to GR/CF: 6.00 ft

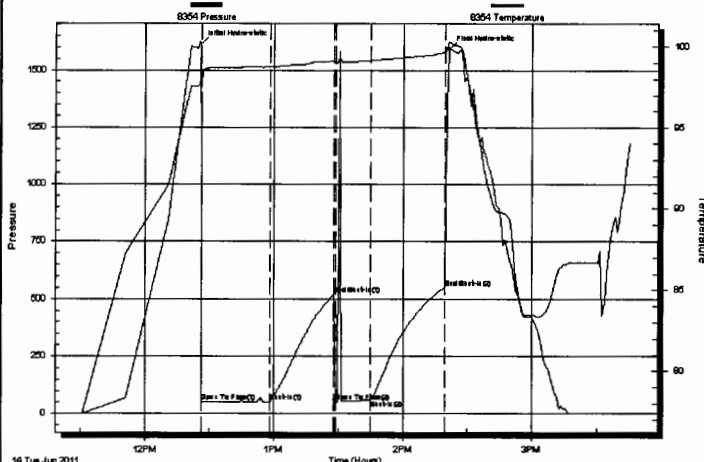
Serial #: 8354 Inside

Press@RunDepth: 58.16 psig @ 3361.00 ft (KB)
Start Date: 2011.06.14 End Date: 2011.06.14
Start Time: 11:31:00 End Time: 15:45:30

Capacity: 8000.00 psig
Last Calib.: 2011.06.14
Time On Btm: 2011.06.14 @ 12:25:50
Time Off Btm: 2011.06.14 @ 14:21:30

TEST COMMENT: IF-Weak blow. Died @ 18 minutes.
ISI-No Return.
FF-No blow. Flushed Tool. Surged. No blow.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.16	97.90	Initial Hydro-static
1	50.57	97.80	Open To Flow (1)
33	52.26	98.76	Shut-In(1)
63	521.34	99.09	End Shut-In(1)
63	53.49	98.97	Open To Flow (2)
80	58.16	99.14	Shut-In(2)
114	550.70	99.65	End Shut-In(2)
116	1591.81	100.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	100%Mud	1.12

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Aaron Oil

Foster Estate #2

1409 Washington Circle
Hays, KS 67601

34-15s-16w Ellis, KS

Job Ticket: 42900

DST#: 3

ATTN: Mark Downing

Test Start: 2011.06.14 @ 11:21:00

Tool Information

Drill Pipe:	Length: 3288.00 ft	Diameter: 3.80 inches	Volume: 46.12 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: 22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 10000.00 lb
		Total Volume: 46.27 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3325.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Slid 15 feet to bottom				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3306.00	
Shut In Tool	5.00			3311.00	
Hydraulic tool	5.00			3316.00	
Packer	5.00			3321.00	20.00 Bottom Of Top Packer
Packer	4.00			3325.00	
Stubb	1.00			3326.00	
Perforations	2.00			3328.00	
Change Over Sub	1.00			3329.00	
Drill Pipe	31.00			3360.00	
Change Over Sub	1.00			3361.00	
Recorder	0.00	8354	Inside	3361.00	
Recorder	0.00	8520	Outside	3361.00	
Perforations	21.00			3382.00	
Bullnose	3.00			3385.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Aaron Oil
1409 Washington Circle
Hays, KS 67601
ATTN: Mark Downing

Foster Estate #2
34-15s-16w Ellis, KS
Job Ticket: 42900 DST#: 3
Test Start: 2011.06.14 @ 11:21:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 6.79 in³
Resistivity: ohm.m
Salinity: 4700.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	100%Mud	1.120

Total Length: 100.00 ft Total Volume: 1.120 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

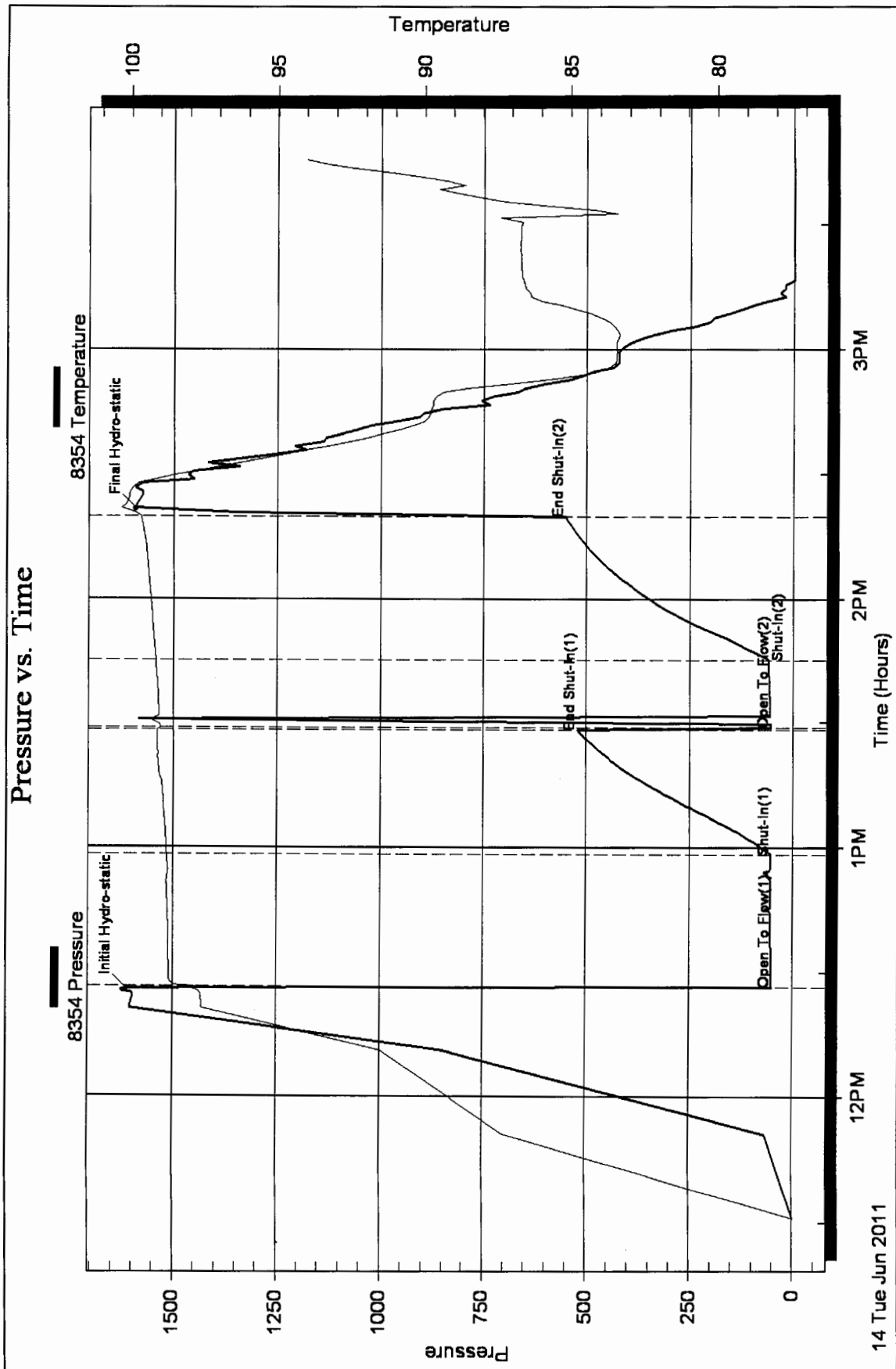
Serial #: 8354

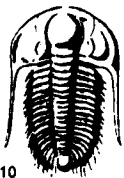
Inside

Aaron Oil

34-15s-16w Ellis, KS

DST Test Number: 3





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 15 2011

Test Ticket

NO. 042898

Well Name & No. Foster Estate #2 BY: 1 Test No. 1 Date 6-13-11
Company Alaron Oil Elevation 1819 KB 1819 GL
Address 1409 Washington Circle Hays, KS 67601
Co. Rep / Geo. Mark Downing Rig Discovery #4
Location: Sec. 34 Twp. 15S Rge. 16W Co. Ellis State KS

Interval Tested 3118-3160 Zone Tested LKC "C+D"
Anchor Length 42 Drill Pipe Run 3072 Mud Wt. 8.6
Top Packer Depth 3113 Drill Collars Run 31 Vis 45
Bottom Packer Depth 3118 Wt. Pipe Run 0 WL 8.8
Total Depth 3160 Chlorides 3100 ppm System LCM 1

Blow Description IF- Weak building blow. Built to 7 inches.
IS- No Return.
FF- Weak building blow. Built to 2 1/2 inches.
FST- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>Mud</u>			<u>100</u>	
<u>60</u>	<u>Muddy Water</u>		<u>70</u>	<u>30</u>	

Rec Total 125 BHT 99 Gravity 1.33 API RW 133 @ 70 ° F Chlorides 58000 ppm

(A) Initial Hydrostatic	(B) First Initial Flow	(C) First Final Flow	(D) Initial Shut-In	(E) Second Initial Flow	(F) Second Final Flow	(G) Final Shut-In	(H) Final Hydrostatic
<u>1580</u>	<u>41</u>	<u>56</u>	<u>942</u>	<u>58</u>	<u>73</u>	<u>932</u>	<u>1433</u>

☒ Test 1125
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 24X2 48RT
☐ Sampler 67.20
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility

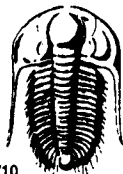
T-On Location 0220
T-Started 0310
T-Open 0422
T-Pulled 0625
T-Out 0745
Comments Part-0253
Slid about 12'

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies

Initial Open 30
Initial Shut-In 30
Final Flow 30
Final Shut-In 30

Sub Total 1192.20
Total 1192.20
MP/DST Disc't

Approved By _____ Our Representative [Signature]
TriLOBITE TESTING INC. shall not be liable for damaged or 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.



**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 15 2011

Test Ticket

NO. 042899

Well Name & No. Foster Estate #2 Test No. 2 Date 6-13-11
Company Aaron Oil Elevation 1819 KB 1813 GL
Address 1409 Washington Circle Hays, KS 67601
Co. Rep / Geo. Mark Downing Rig Discovery #4
Location: Sec. 34 Twp. 15S Rge. 16W Co. Ellis State KS

Interval Tested 3260-3310 Zone Tested LKC "T-K"
Anchor Length 50' Drill Pipe Run 3226 Mud Wt. 8.8
Top Packer Depth 3255 Drill Collars Run 31 Vis 52
Bottom Packer Depth 3260 Wt. Pipe Run 0 WL 9.2
Total Depth 3310 Chlorides 4700 ppm System LCM 1
Blow Description IF- Weak building blow. Built to 4 1/2 inches. Died to 1 inch,
IST- No Return,
FF- No blow. Flushed Tool. 12 blow,
FST- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>Mud</u>			<u>100</u>	

Rec Total	BHT	Gravity	API RW	@	F	Chlorides	ppm
<u>90</u>	<u>101</u>	<u>1125</u>					
(A) Initial Hydrostatic	<u>1686</u>	☒ Test				T-On Location	<u>2045</u>
(B) First Initial Flow	<u>44</u>	☐ Jars				T-Started	<u>2115</u>
(C) First Final Flow	<u>59</u>	☐ Safety Joint				T-Open	<u>2231</u>
(D) Initial Shut-In	<u>556</u>	☐ Circ Sub				T-Pulled	<u>0120</u>
(E) Second Initial Flow	<u>58</u>	☐ Hourly Standby				T-Out	<u>0245</u>
(F) Second Final Flow	<u>60</u>	☒ Mileage	<u>24X2</u>	<u>48RT</u>		Comments	<u>Barr-2107</u>
(G) Final Shut-In	<u>499</u>	☐ Sampler		<u>67.20</u>			<u>Slid 12' Packer</u>
(H) Final Hydrostatic	<u>1554</u>	☐ Straddle					<u>Set, then slid 5 more,</u>

Initial Open	Initial Shut-In	Final Flow	Final Shut-In	Sub Total	Total	MP/DST Disc't
<u>45</u>	<u>45</u>	<u>30</u>	<u>45</u>	<u>1192.20</u>	<u>1192.20</u>	

Approved By _____

Our Representative

D. Rash

TriLOBITE Testing Inc. shall not be liable for damaged or 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042900

JUN 15 2011

Well Name & No. Foster Estate #2 Test No. 3 Date 6-14-11
Company Aaron O.I. Elevation 1819 KB 1813 GL
Address 1409 Washington Circle Hays, KS 67601
Co. Rep / Geo. Mark Downing Rig Discovery #4
Location: Sec. 34 Twp. 15S Rge. 16W Co. Ellis State KS

Interval Tested 3325-3385 Zone Tested Cong. Sand
Anchor Length 60' Drill Pipe Run 3288 Mud Wt. 9.0
Top Packer Depth 3320 Drill Collars Run 31 Vis 57
Bottom Packer Depth 3325 Wt. Pipe Run 0 WL 6.8
Total Depth 3385 Chlorides 4700 ppm System LCM 1

Blow Description IF - Weak Blow. Dried @ 18 minutes,
IF - No Return,
FF - No flow. Flushed Tool. Surged. No flow,
FST - No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>Mud</u>			<u>100</u>	

Rec Total 100 BHT 100 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic	(B) First Initial Flow	(C) First Final Flow	(D) Initial Shut-In	(E) Second Initial Flow	(F) Second Final Flow	(G) Final Shut-In	(H) Final Hydrostatic
<u>1612</u>	<u>51</u>	<u>52</u>	<u>521</u>	<u>53</u>	<u>58</u>	<u>551</u>	<u>1592</u>

☒ Test 1125
☐ Jars _____
☐ Safety Joint _____
☐ Circ Sub _____
☐ Hourly Standby _____
☒ Mileage 24X2 67.0
☐ Sampler _____
☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
Sub Total 1192.20

T-On Location 1115
T-Started 1120
T-Open 1227
T-Pulled 1415
T-Out 1545
Comments Barry - 1121
Slid 15' to Bottom
☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
Sub Total 8
Total 1192.20
MP/DST Disc't _____

Initial Open 30
Initial Shut-In 30
Final Flow 15
Final Shut-In 30

Approved By _____ Our Representative D. Rash

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