

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **RY Holland Felder Inc.**

1612 Westgate Cr. Ste. 120
Brentwood, TN 37027

ATTN: Clayton Erickson

16-1-24 Norton,KS

Relke RFI # 1

Start Date: 2010.11.06 @ 08:50:00

End Date: 2010.11.06 @ 16:52:00

Job Ticket #: 040104 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

RY Holland Felder Inc.

Relke RFI # 1

16-1-24 Norton,KS

DST # 1

LKC-A

2010.11.06

ORIGINAL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040104

DST#: 1

ATTN: Clayton Erickson

Test Start: 2010.11.06 @ 08:50:00

GENERAL INFORMATION:

Formation: LKC-A

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:21:00

Time Test Ended: 16:52:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3266.00 ft (KB) To 3320.00 ft (KB) (TVD)

Total Depth: 3320.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2398.00 ft (KB)

2394.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 6741

Inside

Press@RunDepth: 179.71 psig @ 3270.50 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.06

End Date:

2010.11.06

Last Calib.:

2010.11.06

Start Time: 08:50:01

End Time:

16:52:00

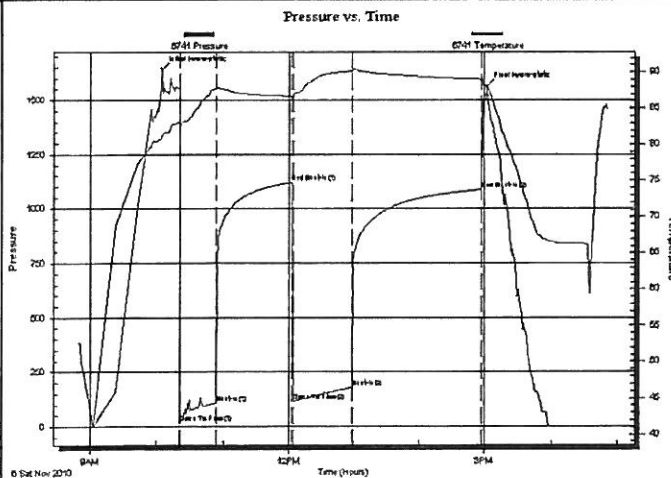
Time On Btm:

2010.11.06 @ 10:04:30

Time Off Btm:

2010.11.06 @ 15:02:30

TEST COMMENT: IF: Weak blow , Built to 1 in.
IS: No blow back,
FF: Weak blow , Built to 1 in.
FS: No blow back,



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.13	81.16	Initial Hydro-static
17	17.96	82.66	Open To Flow (1)
49	106.51	87.72	Shut-In(1)
118	1120.09	86.73	End Shut-In(1)
120	114.02	86.82	Open To Flow (2)
174	179.71	90.19	Shut-In(2)
293	1087.13	89.05	End Shut-In(2)
298	1565.44	87.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	MW 90%W 10%M	2.42
62.00	MW 60%W 40%M	0.91

Gas Rates

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

ORIGINAL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

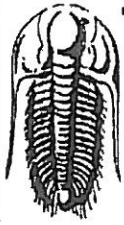
Relke RFI # 1
16-1-24 Norton, KS
Job Ticket: 040104 DST#: 1
Test Start: 2010.11.06 @ 08:50:00

Tool Information

Drill Pipe:	Length: 3130.00 ft	Diameter: 3.88 inches	Volume: 45.77 bbl	Tool Weight: 1900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 46.38 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3266.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 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			3243.00	
Hydraulic tool	5.00			3248.00	
Jars	5.00			3253.00	
Safety Joint	3.00			3256.00	
Packer	5.00			3261.00	28.00 Bottom Of Top Packer
Packer	5.00			3266.00	
Stubb	1.00			3267.00	
Perforations	3.00			3270.00	
Change Over Sub	0.50			3270.50	
Recorder	0.00	6752	Inside	3270.50	
Recorder	0.00	6741	Inside	3270.50	
Blank Spacing	31.00			3301.50	
Change Over Sub	0.50			3302.00	
Perforations	15.00			3317.00	
Bullnose	3.00			3320.00	54.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste. 120
Brentwood, TN 37027

16-1-24 Norton, KS

Job Ticket: 040104

DST#: 1

ATTN: Clayton Erickson

Test Start: 2010.11.06 @ 08:50:00

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: 72.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	MW 90%W 10%M	2.423
62.00	MW 60%W 40%M	0.907

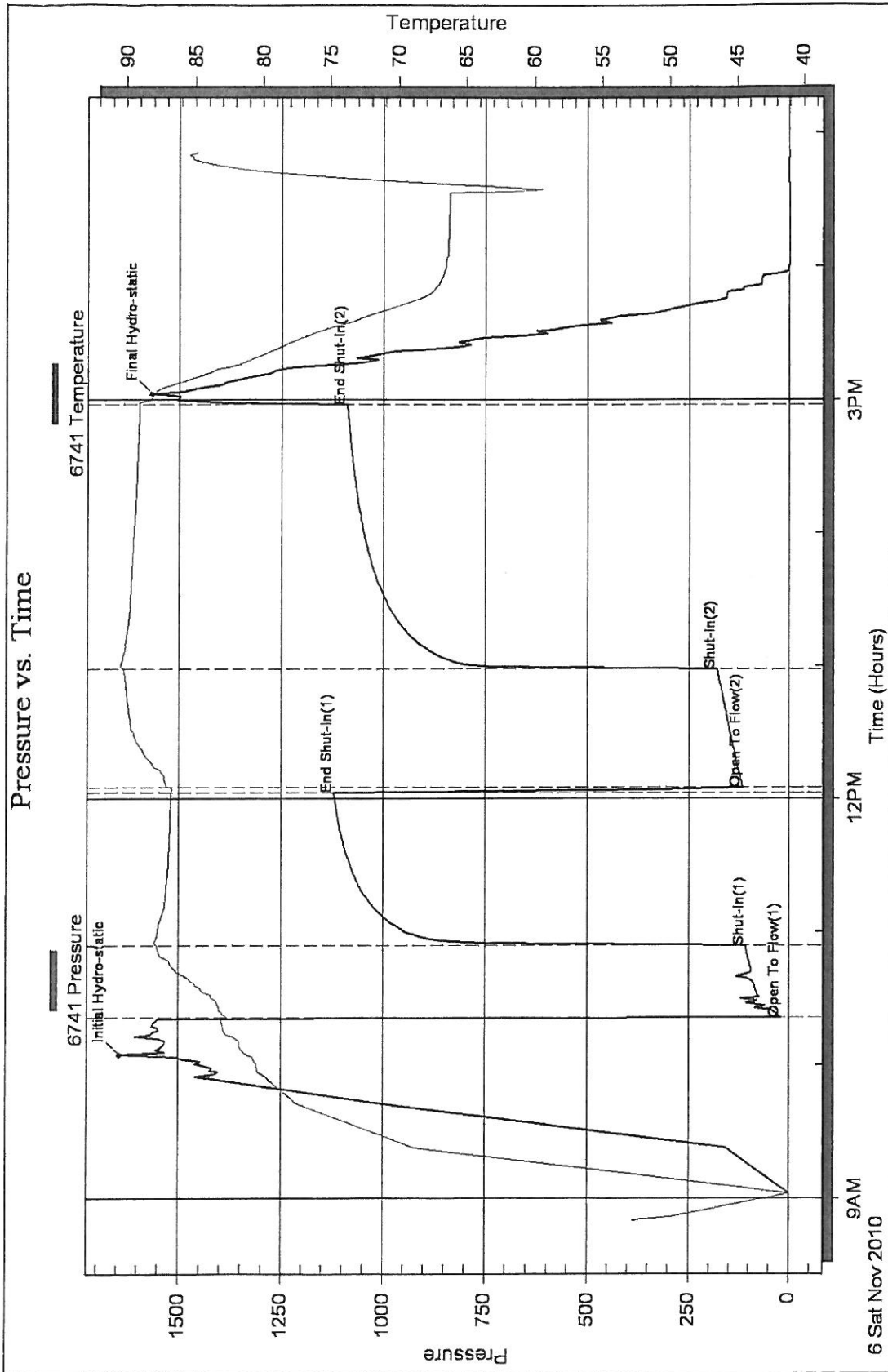
Total Length: 310.00 ft Total Volume: 3.330 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **RY Holland Felder Inc.**

1612 Westgate Cr. Ste. 120
Brentwood, TN 37027

ATTN: Clayton Erickson

16-1-24 Norton,KS

Relke RFI # 1

Start Date: 2010.11.07 @ 04:30:00

End Date: 2010.11.07 @ 10:39:00

Job Ticket #: 040105 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

RY Holland Felder Inc.

Relke RFI # 1

16-1-24 Norton,KS

DST # 2

LKC-H

2010.11.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

Relke RFI # 1
16-1-24 Norton,KS
Job Ticket: 040105 **DST#: 2**
Test Start: 2010.11.07 @ 04:30:00

GENERAL INFORMATION:

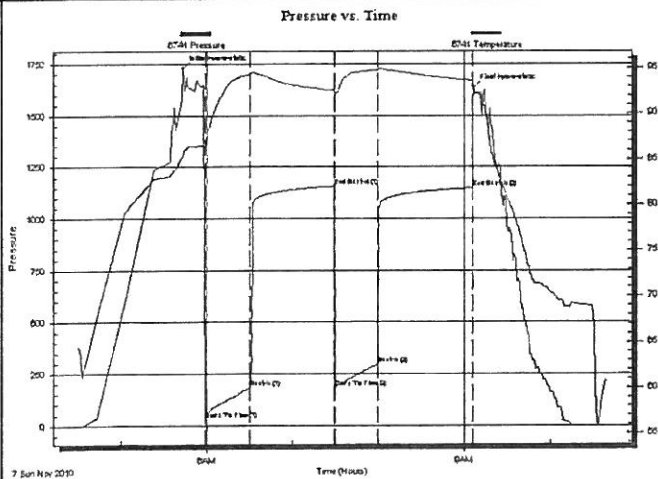
Formation: **LKC-H**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **05:59:00** Tester: **Chuck Kreutzer Jr.**
 Time Test Ended: **10:39:00** Unit No: **36**
 Interval: **3390.00 ft (KB) To 3424.00 ft (KB) (TVD)** Reference Elevations: **2398.00 ft (KB)**
 Total Depth: **3424.00 ft (KB) (TVD)** **2394.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **4.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **294.63 psig @ 3391.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.11.07** End Date: **2010.11.07** Last Calib.: **2010.11.07**
 Start Time: **04:30:01** End Time: **10:39:00** Time On Btm: **2010.11.07 @ 05:43:30**
 Time Off Btm: **2010.11.07 @ 09:06:30**

TEST COMMENT: IF: Fair blow, B.O.B in 17 mins.
 IS: No blow back
 FF: Fair blow, B.O.B in 11 mins.
 FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.02	85.29	Initial Hydro-static
16	32.98	86.21	Open To Flow (1)
47	182.80	94.29	Shut-In(1)
106	1155.96	92.56	End Shut-In(1)
106	185.30	92.00	Open To Flow (2)
136	294.63	94.70	Shut-In(2)
202	1147.99	93.61	End Shut-In(2)
203	1634.84	92.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	mcw 5%M 95%W	7.86
1.00	mcw w / oil specks	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040105

DST#: 2

ATTN: Clayton Erickson

Test Start: 2010.11.07 @ 04:30:00

Tool Information

Drill Pipe:	Length: 3258.00 ft	Diameter: 3.88 inches	Volume: 47.65 bbl	Tool Weight: 1900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight sel on Packer: 28000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 48.26 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3390.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3367.00	
Hydraulic tool	5.00			3372.00	
Jars	5.00			3377.00	
Safety Joint	3.00			3380.00	
Packer	5.00			3385.00	28.00 Bottom Of Top Packer
Packer	5.00			3390.00	
Stubb	1.00			3391.00	
Recorder	0.00	6752	Inside	3391.00	
Recorder	0.00	6741	Inside	3391.00	
Perforations	30.00			3421.00	
Bullnose	3.00			3424.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040105

DST#: 2

ATTN: Clayton Erickson

Test Start: 2010.11.07 @ 04:30:00

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: 72.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	mcw 5%M 95%W	7.863
1.00	mcw w/ oil specks	0.015

Total Length: 621.00 ft Total Volume: 7.878 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

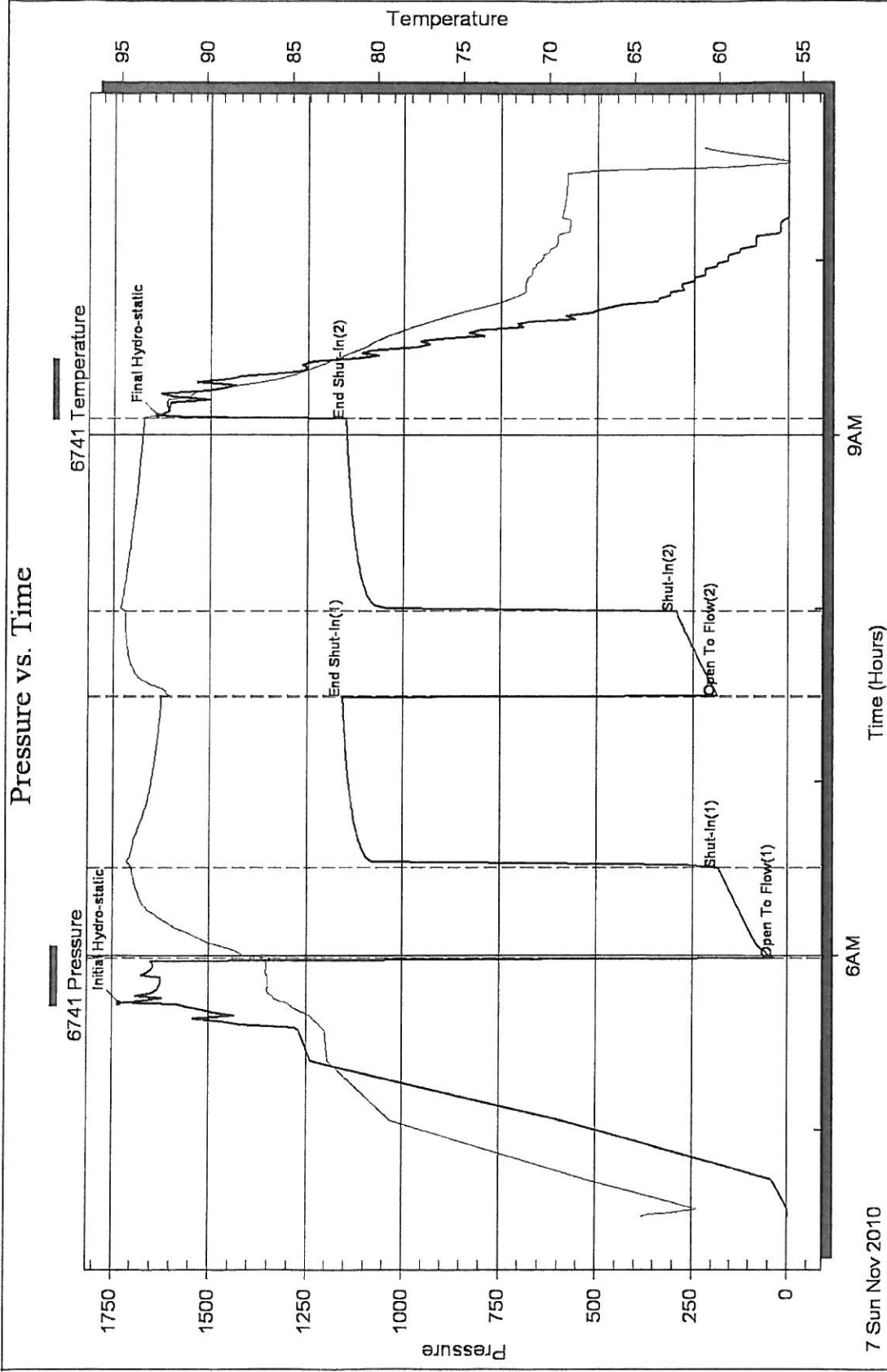
Serial #: 6741

Inside

RY Holland Felder Inc.

16-1-24 Norton, KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **RY Holland Felder Inc.**

1612 Westgate Cr. Ste. 120
Brentwood, TN 37027

ATTN: Clayton Erickson

16-1-24 Norton,KS

Relke RFI # 1

Start Date: 2010.11.07 @ 19:15:00

End Date: 2010.11.08 @ 02:22:30

Job Ticket #: 040106 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
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DRILL STEM TEST REPORT

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

Relke RFI # 1
16-1-24 Norton,KS
Job Ticket: 040106 DST#: 3
Test Start: 2010.11.07 @ 19:15:00

GENERAL INFORMATION:

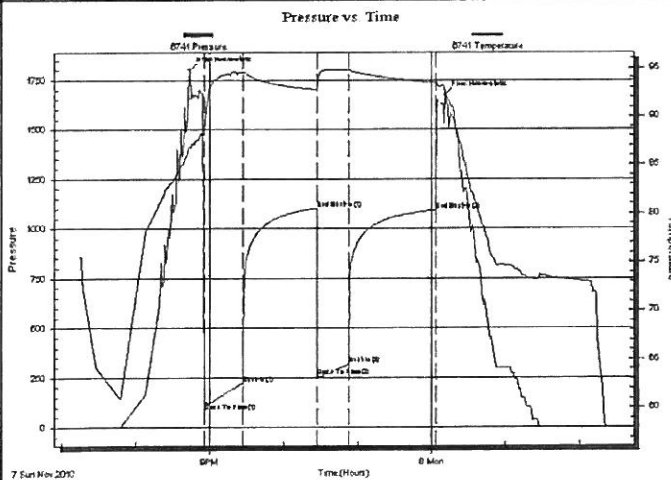
Formation: **LKC-J,K**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **20:55:30**
Time Test Ended: **02:22:30**
Interval: **3424.00 ft (KB) To 3486.00 ft (KB) (TVD)**
Total Depth: **3486.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Kreuzer Jr.**
Unit No: **36**
Reference Elevations: **2398.00 ft (KB)**
2394.00 ft (CF)
KB to GR/CF: **4.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **316.72 psig @ 3425.50 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.11.07** End Date: **2010.11.08** Last Calib.: **2010.11.08**
Start Time: **19:15:01** End Time: **02:22:30** Time On Btm: **2010.11.07 @ 20:43:30**
Time Off Btm: **2010.11.08 @ 00:11:30**

TEST COMMENT: IF: Strong blow, B.O.B in 8 mins.
IS: No blow back over 60 mins.
FF: Weak blow, B.O.B in 25 mins.
FS: No blow back over 60 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.07	86.82	Initial Hydro-static
12	78.88	88.23	Open To Flow (1)
44	220.38	94.48	Shut-In(1)
104	1101.95	92.76	End Shut-In(1)
104	256.63	92.79	Open To Flow (2)
129	316.72	94.74	Shut-In(2)
201	1092.39	93.48	End Shut-In(2)
208	1674.24	92.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	OCWM 10%O40%W50%M	1.56
248.00	OCWM 15%O25%W60%M	3.63
62.00	MCO 10%M90%O	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040106

DST#: 3

ATTN: Clayton Erickson

Test Start: 2010.11.07 @ 19:15:00

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.88 inches	Volume: 48.14 bbl	Tool Weight: 1900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 48.75 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3424.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3401.00	
Hydraulic tool	5.00			3406.00	
Jars	5.00			3411.00	
Safety Joint	3.00			3414.00	
Packer	5.00			3419.00	28.00 Bottom Of Top Packer
Packer	5.00			3424.00	
Stubb	1.00			3425.00	
Change Over Sub	0.50			3425.50	
Recorder	0.00	6752	Inside	3425.50	
Recorder	0.00	6741	Inside	3425.50	
Blank Spacing	32.00			3457.50	
Change Over Sub	0.50			3458.00	
Perforations	25.00			3483.00	
Bullnose	3.00			3486.00	62.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040106

DST#: 3

ATTN: Clayton Erickson

Test Start: 2010.11.07 @ 19:15:00

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: 72.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
189.00	OCWM 10%O40%W50%M	1.560
248.00	OCWM15%O25%W60%M	3.627
62.00	MCO 10%M90%O	0.907

Total Length: 499.00 ft

Total Volume: 6.094 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

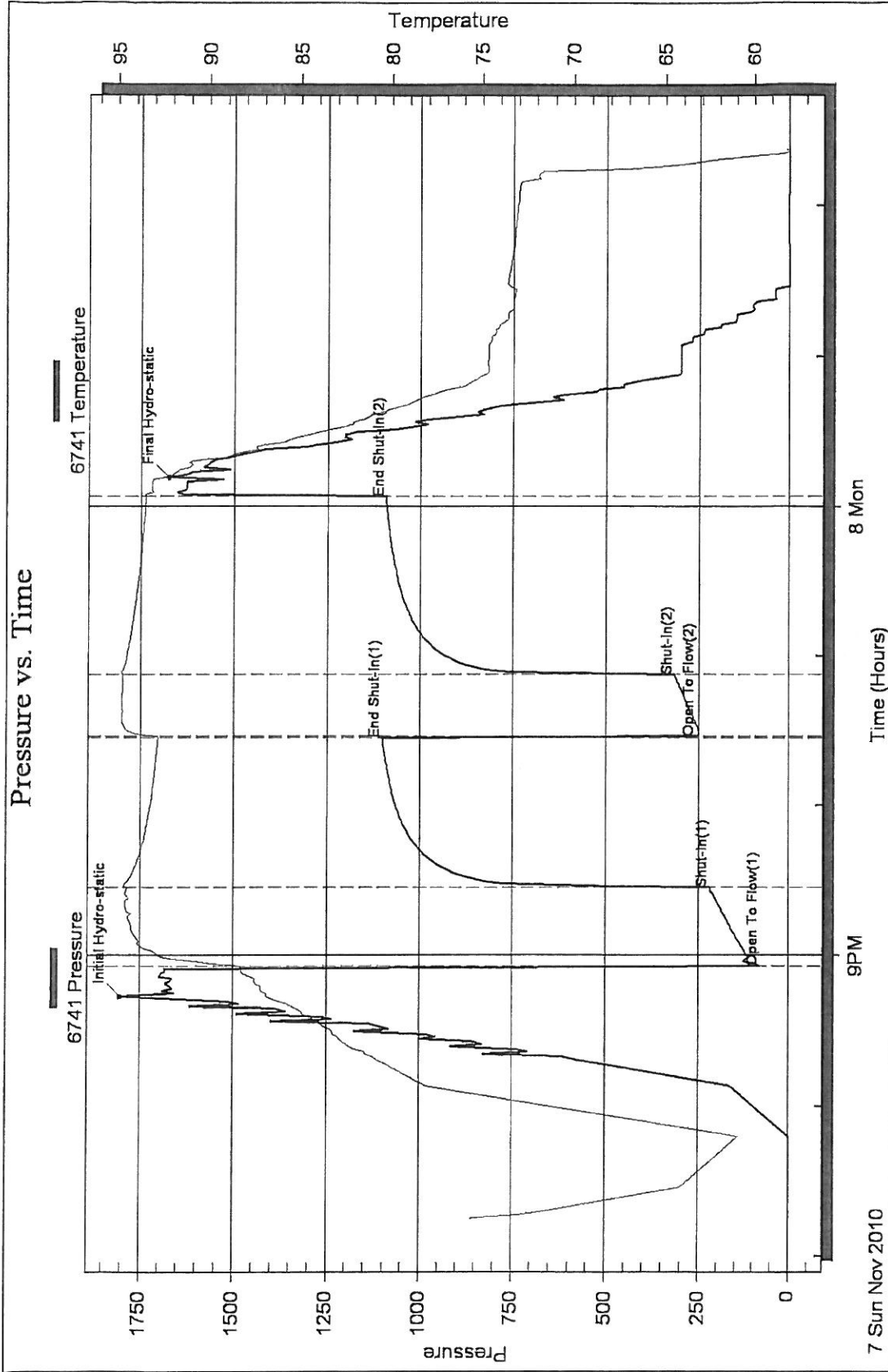
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
NOV 15 2010
BY: _____

Test Ticket

NO. 040104

Well Name & No. RetRe RFF#1 Test No. 1 Date 10-06-10
 Company Ry Holland Felder Inc Elevation 2398 KB 2394 GL
 Address 1612 Westgate Cr, Ste 120 Brentwood TN 37027
 Co. Rep / Geo. Clayton Erickson Rig ww#10
 Location: Sec. 16 Twp. 1 Rge. 24W Co. Notson State KS

Interval Tested 3266 3320 Zone Tested LKC-A
 Anchor Length 54 Drill Pipe Run 3130 Mud Wt. 8.6
 Top Packer Depth 3261 Drill Collars Run 124 Vis 72
 Bottom Packer Depth 3266 Wt. Pipe Run -0- WL 5.6
 Total Depth 3320 Chlorides 800 ppm System LCM 1#

Blow Description IF: Weak blow, built to lin. over 30 mins. ~~ended down~~
FST: No blow back over 60 mins.
FF: weak blow, built to lin over 60 mins.
FST: No blow back, over 120 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>02</u>	<u>mcw</u>			<u>60</u>	<u>40</u>
<u>248</u>	<u>mcw</u>			<u>90</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 310 BHT 89.05 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1642</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>8:20</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:50</u>
(C) First Final Flow <u>107</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:21</u>
(D) Initial Shut-In <u>1120</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>14:45</u>
(E) Second Initial Flow <u>114</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>16:52</u>
(F) Second Final Flow <u>180</u>	<input checked="" type="checkbox"/> Mileage <u>40x2=80x1.25=100</u>	Comments _____
(G) Final Shut-In <u>1087</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1565</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby _____	Total <u>1550</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1550</u>	

Approved By _____ Our Representative Chw Ryz

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
NOV 15 2010

Test Ticket

NO. 040105

Well Name & No. Rethke R 2341 Test No. 2 Date 11-7-10
 Company Rethke Holland Felder Inc. Elevation 2390 KB 2302 GL
 Address 1612 Westgate Cir, 120 Brentwood TN 37027
 Co. Rep / Geo. Clayton Erickson Rig WW#10
 Location: Sec. 16 Twp. 1 Rge. 24W Co. Norton State Ks.

Interval Tested 3390 3424 Zone Tested LKC-H
 Anchor Length 34 Drill Pipe Run 3258 Mud Wt. 8.6
 Top Packer Depth 3385 Drill Collars Run 124 Vis 7.2
 Bottom Packer Depth 3390 Wt. Pipe Run - 0 - WL 5.6
 Total Depth 3424 Chlorides 800 ppm System LCM 1#

Blow Description FF: Fair blow, B.O.B in 17 mins
FSE: No blow back over 60
FE: Fair Blow, B.O.B in 11 mins
FSE: No blow back over 60 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>620</u>	<u>new</u>			<u>95</u>	<u>5</u>
<u>1</u>	<u>new with 1 spec</u>				

Rec Total 620 BHT 93.61 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1729</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>4:19</u>
(B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>4:20</u>
(C) First Final Flow <u>183</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>5:59</u>
(D) Initial Shut-In <u>1156</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>9:05</u>
(E) Second Initial Flow <u>185</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>10:39</u>
(F) Second Final Flow <u>225</u>	<input checked="" type="checkbox"/> Mileage <u>40.2 = 80 * 1.25 = 100</u>	Comments _____
(G) Final Shut-In <u>1148</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1635</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1550</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1550</u>	

Approved By _____ Our Representative Clayton Erickson

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
NOV 15 2010
BY: _____

Test Ticket

NO. 040106

Well Name & No. Ret Ke R#1 Test No. 3 Date 10-7-10
 Company R Y Holland Felder Inc. Elevation 2342 KB 2389 GL
 Address 1612 Westgate Cr, 120 Brentwood Fm. 37007
 Co. Rep / Geo. Clayton Erickson Rig WV#10
 Location: Sec. 16 Twp. 1 Rge. 24 W Co. Warton State KS

Interval Tested 3424 3486 Zone Tested LKC-F,K
 Anchor Length 62 Drill Pipe Run 3292 Mud Wt. 8.6
 Top Packer Depth 3419 Drill Collars Run 124 Vis 7.2
 Bottom Packer Depth 3424 Wt. Pipe Run 0 WL 5.6
 Total Depth 3486 Chlorides 800 ppm System LCM 1#

Blow Description FF: Stay Blow, B.O.B in 8 mins.
ISI: No blow back over 60 mins
FF: Wax blow, B.O.B in 25 mins
FSI: No blow back over 60 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>ALCO</u>	<u>90</u>	<u>10</u>	<u>0</u>	<u>0</u>
<u>248</u>	<u>WACO OCWN</u>	<u>15</u>	<u>25</u>	<u>60</u>	<u>0</u>
<u>189</u>	<u>WACO OCWN</u>	<u>10</u>	<u>40</u>	<u>50</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 499 BHT 92.76 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>180.2</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>18:35</u>
(B) First Initial Flow <u>79</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:15</u>
(C) First Final Flow <u>220</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:55</u>
(D) Initial Shut-In <u>1102</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>22:53</u>
(E) Second Initial Flow <u>257</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:22</u>
(F) Second Final Flow <u>317</u>	<input checked="" type="checkbox"/> Mileage <u>WACO = 80 x 1.25 = 100</u>	Comments _____
(G) Final Shut-In <u>1092</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1674</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>70</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1550</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1550</u>	

Approved By _____ Our Representative [Signature]

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