



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blake Exploation

PO Box 150
Bogue, KS 67625

ATTN: Mike Davignon

Riner/Kroneberger #2

8-14-32 Logan, KS

Job Ticket: 42282

DST#: 1

Test Start: 2011.09.06 @ 19:45:05

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 23:54:45

Interval: **3845.00 ft (KB) To 3875.00 ft (KB) (TVD)**

Total Depth: 3875.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Harley Davidson

Unit No: 33

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772 Outside

Press@RunDepth: psig @ 3847.00 ft (KB)

Start Date: 2011.09.06

End Date:

2011.09.06

Start Time: 19:45:05

End Time:

23:54:45

Capacity: 8000.00 psig

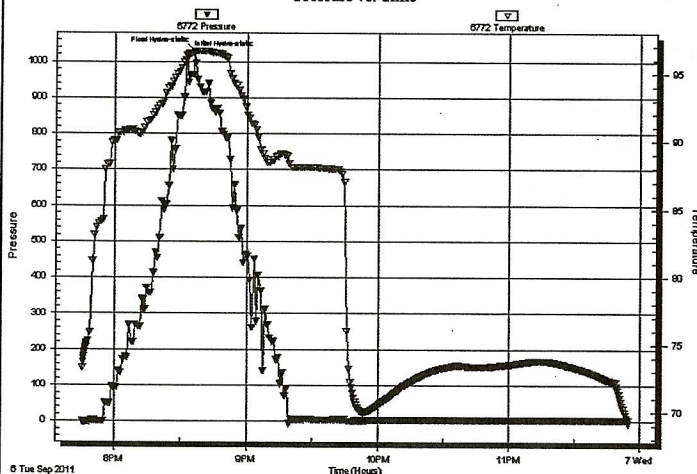
Last Calib.: 2011.09.07

Time On Btm: 2011.09.06 @ 20:32:30

Time Off Btm: 2011.09.06 @ 20:36:00

TEST COMMENT: At 1825 stacked out had to come out of hole.

Pressure vs. Time



PRESSURE SUMMARY

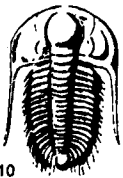
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1016.99	96.04	Initial Hydro-static
4	1029.09	96.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

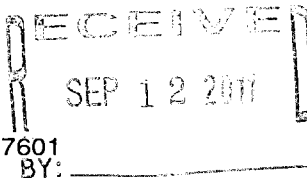
Gas Rates

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

P.O. Box 1733 • Hays, Kansas 67601



Test Ticket

NO. 042282 10306

Well Name & No. Riner / Kroneberger #2 Test No. 1 Date 9-6-11
 Company Blake Exploration Elevation 2833 KB 2823 GL
 Address Box 2324 Garden City KS 67846
 Co. Rep / Geo. Mike Rig
 Location: Sec. 8 Twp. 14 Rge. 32 Co. Logan State KS

Interval Tested 3845 - 3875 Zone Tested LKC "C"
 Anchor Length 30 Drill Pipe Run Mud Wt. 9.1
 Top Packer Depth 3840 Drill Collars Run 529 Vis 59
 Bottom Packer Depth 3845 Wt. Pipe Run 0 WL 6.4
 Total Depth 3875 Chlorides 3600 ppm System LCM 1.5

Blow Description MISS RUN

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
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ 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 _____

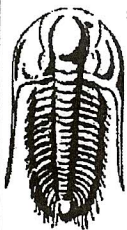
- ☐ Test 925
☐ Jars _____
☐ Safety Joint _____
☐ Circ Sub _____
☐ Hourly Standby _____
☐ Mileage 72 RT 100.80
☐ Sampler _____
☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1025.80

- T-On Location 7:05 PM
 T-Started 7:45 PM
 T-Open 0
 T-Pulled 0
 T-Out 1:00 PM
 Comments _____
☐ Ruined Shale Packer _____
☐ Ruined Packer X2=520
☐ Extra Copies _____
 Sub Total 520
 Total 1545.80
 MP/DST Disc't _____

Approved By _____

Our Representative [Signature]

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.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blake Exploitation

Riner/Kroneberger #2

PO Box 150
Bogue, KS 67625

8-14-32 Logan, KS

ATTN: Mike Davignon

Job Ticket: 42283

DST#: 2

Test Start: 2011.09.07 @ 03:00:05

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 06:11:00

Interval: **3845.00 ft (KB) To 3875.00 ft (KB) (TVD)**

Total Depth: **3875.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Harley Davidson

Unit No: 33

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772 Outside

Press@RunDepth: psig @ 3847.00 ft (KB)

Start Date: 2011.09.07

End Date:

2011.09.07

Capacity: 8000.00 psig

Last Calib.: 2011.09.07

Start Time: 03:00:05

End Time:

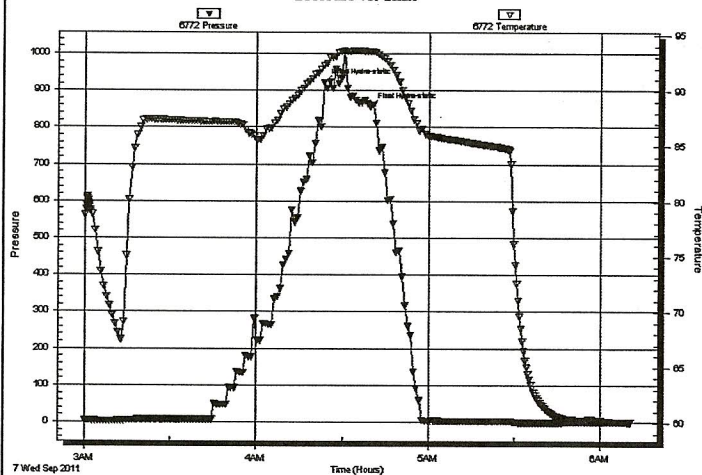
06:11:00

Time On Btm: 2011.09.07 @ 04:23:30

Time Off Btm: 2011.09.07 @ 04:39:30

TEST COMMENT: Hit bridge same spot came back out.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	920.93	92.36	Initial Hydro-static
16	855.44	93.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

P.O. Box 1733 • Hays, Kansas 67601BY: _____

RECEIVED
SEP 12 2011

Test Ticket

NO. 042283

Well Name & No. Riner Kroneberger #2 Test No. 2 Date 9-7-11
Company Blake Exploration Elevation 2833 KB 2823 GL
Address Box 2324 Garden City KS 67846
Co. Rep / Geo. Mike Rig Murfin 14
Location: Sec. 8 Twp. 14 Rge. 32 Co. Logan State KS

Interval Tested 3845 - 3875 Zone Tested LKC "C"
Anchor Length 30 Drill Pipe Run _____ Mud Wt. 9.1
Top Packer Depth 3840 Drill Collars Run 529 Vis 59
Bottom Packer Depth 3845 Wt. Pipe Run 0 WL 6.4
Total Depth 3875 Chlorides 3600 ppm System LCM 1.5#
Blow Description IF -
ISI -
FF - MISS
FSI - Run 1825'
Bridge

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
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ 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 _____

☐ Test 925'
☐ Jars _____
☐ Safety Joint _____
☐ Circ Sub _____
☐ Hourly Standby _____
☐ Mileage _____
☐ Sampler _____
☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
Sub Total 925'

T-On Location _____
T-Started 300 AM
T-Open MISS RUN
T-Pulled _____
T-Out 530 AM
Comments _____

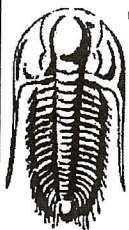
☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
Sub Total 0
Total 925'
MP/DST Disc't _____

Initial Open _____
Initial Shut-In _____
Final Flow _____
Final Shut-In _____

Approved By _____

Our Representative _____

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blake Exploation

PO Box 150
Bogue, KS 67625

ATTN: Mike Davignon

Riner/Kroneberger #2

8-14-32 Logan,KS

Job Ticket: 44380

DST#: 3

Test Start: 2011.09.08 @ 01:50:22

GENERAL INFORMATION:

Formation: **H**

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

Time Tool Opened: 03:56:07

Time Test Ended: 07:10:37

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

Interval: **3975.00 ft (KB) To 4010.00 ft (KB) (TVD)**

Total Depth: **4010.00 ft (KB) (TVD)**

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

Reference Elevations: **2833.00 ft (KB)**

2823.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6771 Inside

Press@RunDepth: **24.06 psig @ 3976.00 ft (KB)**

Start Date: **2011.09.08**

End Date:

2011.09.08

Capacity: **8000.00 psig**

Last Calib.: **2011.09.08**

Start Time: **01:50:22**

End Time:

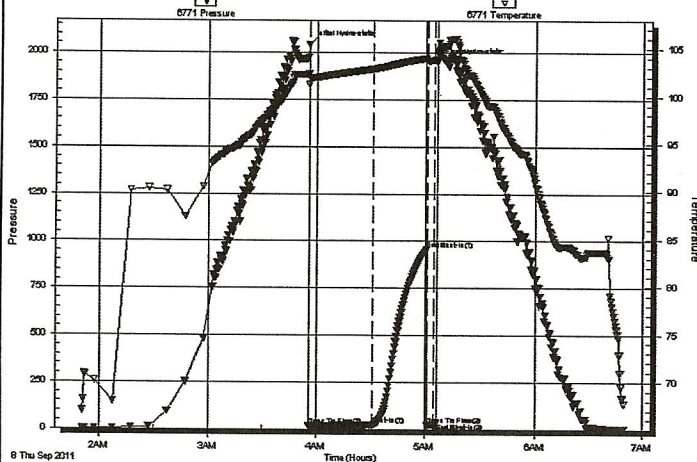
06:49:37

Time On Btm: **2011.09.08 @ 03:55:52**

Time Off Btm: **2011.09.08 @ 05:06:22**

TEST COMMENT: Weak blow, died in 8 min
No return
Bubble to open tool, No blow
Pull tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2042.85	102.39	Initial Hydro-static
1	20.05	101.29	Open To Flow (1)
36	23.56	102.90	Shut-In(1)
65	954.66	104.03	End Shut-In(1)
65	24.65	103.78	Open To Flow (2)
69	24.06	103.83	Shut-In(2)
71	34.76	103.88	End Shut-In(2)
71	1948.60	104.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% oil spots in tool	0.01

Gas Rates

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

P.O. Box 1733 • Hays, Kansas 67601

SEP 12 2011

Test Ticket

BY: _____

NO. 44380

Well Name & No. Riner/Kroneberger #2 Test No. #3 Date 9/8/11
 Company Blake Exploration LLC Elevation 2833 KB 2822 GL
 Address 2015 Main P.O. Box 150 Bogue #2 67625
 Co. Rep / Geo. Mike Daignon Rig Mudcat #14
 Location: Sec. 8 Twp. 14S Rge. 32W Co. Logan State KS

Interval Tested 3975 4010 Zone Tested "H"
 Anchor Length 35 Drill Pipe Run 3450' Mud Wt. 9.3
 Top Packer Depth 3970 Drill Collars Run 530' XH Vis CoS
 Bottom Packer Depth 3975 Wt. Pipe Run --- WL Co.0
 Total Depth 4010 Chlorides 6800 ppm System LCM #1 1/2

Blow Description Weak blow died in 8min
No return

Bubble to open tool, 4/6 blow

Pull Tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</u>	<u>Feet of mud (0.1 spots in Tool)</u>			<u>100</u>	
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

Rec Total 2' BHT 104 Gravity --- API RW --- @ --- ° F Chlorides --- ppm

(A) Initial Hydrostatic <u>2042</u>	☒ Test <u>1225</u>	T-On Location <u>00:25</u>
(B) First Initial Flow <u>20</u>	☐ Jars	T-Started <u>01:50</u>
(C) First Final Flow <u>23</u>	☐ Safety Joint	T-Open <u>04:00</u>
(D) Initial Shut-In <u>954</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>05:05</u>
(E) Second Initial Flow <u>24</u>	☐ Hourly Standby	T-Out <u>07:10</u>
(F) Second Final Flow <u>24</u>	☒ Mileage <u>72RT 100⁸⁰</u>	Comments
(G) Final Shut-In <u>34</u>	☐ Sampler	
(H) Final Hydrostatic <u>1948</u>	☐ Straddle	
	☐ Shale Packer	☐ Ruined Shale Packer
	☐ Extra Packer	☐ Ruined Packer
	☐ Extra Recorder	☐ Extra Copies
	☐ Day Standby	Sub Total <u>8</u>
	☐ Accessibility	Total <u>1325.80</u>
	Sub Total <u>1325.80</u>	MP/DST Disc't

Initial Open 30
 Initial Shut-In 30
 Final Flow 5
 Final Shut-In ---

Approved By _____

Our Representative [Signature]

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blake Exploration

PO Box 150
Bogue, KS 67625

ATTN: Mike Davignon

Riner/Kroneberger #2

8-14-32 Logan, KS

Job Ticket: 44381

DST#: 4

Test Start: 2011.09.08 @ 14:05:26

GENERAL INFORMATION:

Formation: I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:11

Time Test Ended: 20:25:56

Interval: 4009.00 ft (KB) To 4043.00 ft (KB) (TVD)

Total Depth: 4044.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6771

Inside

Press@RunDepth: 555.03 psig @ 4010.00 ft (KB)

Start Date: 2011.09.08

End Date:

2011.09.08

Start Time: 14:05:26

End Time:

20:08:56

Capacity: 8000.00 psig

Last Calib.: 2011.09.08

Time On Btm: 2011.09.08 @ 16:05:41

Time Off Btm: 2011.09.08 @ 18:09:26

TEST COMMENT: B.O.B. in 6 min.
Weak return in 18 min (very weak surface blow)
B.O.B. in 9 1/2 min.
No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.66	101.32	Initial Hydro-static
1	45.45	100.46	Open To Flow (1)
31	388.23	119.12	Shut-In(1)
62	1250.62	117.48	End Shut-In(1)
62	395.75	117.09	Open To Flow (2)
91	555.03	119.67	Shut-In(2)
123	1241.02	118.82	End Shut-In(2)
124	1997.55	118.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
906.00	water 100%w w/oil scum	7.88
257.00	m c w 30%w 70%w /w oil scum	3.61
1.00	free oil 100%o	0.01

* Recovery from multiple tests

Gas Rates

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

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 12 2011

Test Ticket

NO. 44381

Well Name & No. River/Kroneberger #2 Test No. #4 Date 9/8/11
Company Blake Exploration LLC Elevation 2833 KB 2822 GL
Address 2015 Main P.O. Box 150 Bogue, KS
Co. Rep / Geo. Mike Daignon Rig Murkin #14
Location: Sec. 8 Twp. 14S Rge. 32E Co. Logan State KS

Interval Tested 4011 4045 Zone Tested "I"
Anchor Length 34 Drill Pipe Run 3486 Mud Wt. 9.3
Top Packer Depth 4006 Drill Collars Run 530' XH Vis 55
Bottom Packer Depth 4011 Wt. Pipe Run --- WL 6.4
Total Depth 4045 Chlorides 7600 ppm System LCM #1
Blow Description B.O.B. in 6 min.
Weak return in 18 min (very weak surface)
B.O.B. in 9 1/2 min

Rec	Feet of	%gas	%oil	%water	%mud
1'	Feet of <u>Free Oil</u>				
257'	Feet of <u>Mud/Oil Scum</u>				
906'	Feet of <u>Water/Oil Scum</u>				
	Feet of				
	Feet of				

Rec Total 1164' BHT 119° Gravity --- API RW 140 @ 70° F Chlorides 50,000 ppm

(A) Initial Hydrostatic <u>2096</u>	☒ Test <u>1225</u>	T-On Location <u>13:30</u>
(B) First Initial Flow <u>45</u>	☐ Jars	T-Started <u>14:05</u>
(C) First Final Flow <u>388</u>	☐ Safety Joint	T-Open <u>16:05</u>
(D) Initial Shut-In <u>1250</u>	☒ Circ Sub <u>11/12</u>	T-Pulled <u>18:05</u>
(E) Second Initial Flow <u>395</u>	☐ Hourly Standby	T-Out <u>20:25</u>
(F) Second Final Flow <u>555</u>	☒ Mileage <u>72.15</u> <u>100.80</u>	Comments
(G) Final Shut-In <u>1241</u>	☐ Sampler	
(H) Final Hydrostatic <u>1997</u>	☐ Straddle	

Initial Open <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>30</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>30</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>31</u>	☐ Day Standby	Sub Total <u>0</u>
	☐ Accessibility	Total <u>1325.80</u>
	Sub Total <u>1325.80</u>	MP/DST Disc't

Approved By _____ Our Representative _____

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploitation

PO Box 150
Bogue, KS 67625

ATTN: Mike Davignon

Riner/Kroneberger #2

8-14-32 Logan, KS

Job Ticket: 44382

DST#: 5

Test Start: 2011.09.09 @ 05:25:22

GENERAL INFORMATION:

Formation: K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:48:37

Time Test Ended: 12:05:07

Interval: 4060.00 ft (KB) To 4090.00 ft (KB) (TVD)

Total Depth: 4090.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6771

Inside

Press@RunDepth: 336.28 psig @ 4061.00 ft (KB)

Start Date: 2011.09.09

End Date: 2011.09.09

Start Time: 05:25:22

End Time: 11:45:07

Capacity: 8000.00 psig

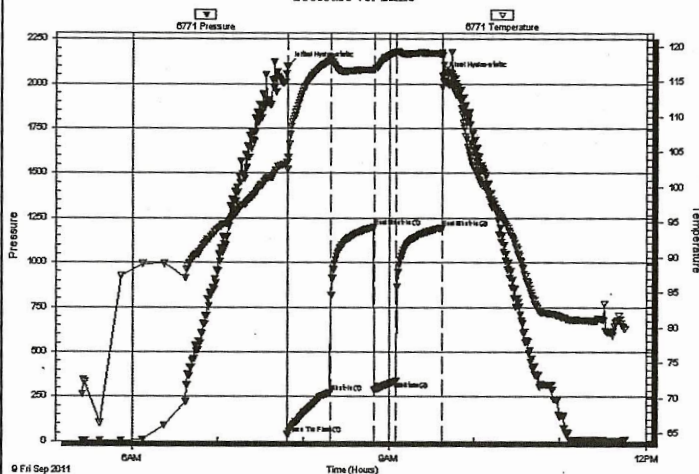
Last Calib.: 2011.09.09

Time On Btm: 2011.09.09 @ 07:48:22

Time Off Btm: 2011.09.09 @ 09:37:22

TEST COMMENT: B.O.B. in 10 1/2 min.
No return
B.O.B. in 13 1/2 min.
No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.59	103.56	Initial Hydro-static
1	40.03	102.51	Open To Flow (1)
31	274.42	118.01	Shut-In(1)
61	1198.56	116.67	End Shut-In(1)
62	289.04	116.71	Open To Flow (2)
77	336.28	119.13	Shut-In(2)
109	1193.34	118.84	End Shut-In(2)
109	2045.86	119.10	Final Hydro-static

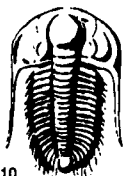
Recovery

Length (ft)	Description	Volume (bbl)
530.00	o & m c w 10%o 10%m 80%w	2.61
124.00	o & m c w 15%o 25%m 60%w	1.74
60.00	free oil 100%o	0.84

* Recovery from multiple tests

Gas Rates

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

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 12 2011

Test Ticket

NO. 44382

Well Name & No. River/Kroneberger #2 Test No. #5 Date 9/9/11
Company Blake Exploration LLC Elevation 2833 KB 2822 GL
Address 2015 Main, P.O. Box 150 Bogue, KS
Co. Rep / Geo. Mike Davignon Rig Murfin #14
Location: Sec. 8 Twp. 14.5 Rge. 32W Co. Logan State KS

Interval Tested 4060 4090 Zone Tested "K"
Anchor Length 30 Drill Pipe Run 3520' Mud Wt. 9.3
Top Packer Depth 4055 Drill Collars Run 530' x 14 Vis 55
Bottom Packer Depth 4060 Wt. Pipe Run --- WL 6.4
Total Depth 4090 Chlorides 7,600 ppm System LCM #1
Blow Description B.O.B. in 10 1/2 min.
No return
B.O.B. in 13 1/2 min.

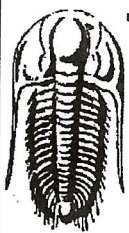
Rec	Feet of	%gas	%oil	%water	%mud
<u>60'</u>	<u>face oil</u>		<u>100</u>		
<u>124'</u>	<u>0.5' m.w.</u>	<u>15</u>	<u>60</u>	<u>25</u>	
<u>530'</u>	<u>(5.187 bar)</u>	<u>10</u>	<u>80</u>	<u>10</u>	

Rec Total 714 BHT 119° Gravity 26 API RW 120 @ 84° F Chlorides 52,000 ppm

(A) Initial Hydrostatic <u>2026</u>	☒ Test <u>1225'</u>	T-On Location <u>05:00</u>
(B) First Initial Flow <u>40</u>	☐ Jars	T-Started <u>05:25</u>
(C) First Final Flow <u>274</u>	☐ Safety Joint	T-Open <u>07:50</u>
(D) Initial Shut-In <u>1198</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>09:35</u>
(E) Second Initial Flow <u>289</u>	☐ Hourly Standby	T-Out <u>12:05</u>
(F) Second Final Flow <u>336</u>	☒ Mileage <u>22.8</u> <u>100.80</u>	Comments
(G) Final Shut-In <u>1193</u>	☐ Sampler	
(H) Final Hydrostatic <u>2045</u>	☐ Straddle	

Initial Open- <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>30</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>15</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>30</u>	☐ Day Standby	Sub Total <u>0</u>
	☐ Accessibility	Total <u>1325.80</u>
	Sub Total <u>1325.80</u>	MP/DST Disc't

Approved By [Signature] Our Representative [Signature]
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploation

PO Box 150
Bogue, KS 67625

ATTN: Mike Davignon

Riner/Kroneberger #2

8-14-32 Logan, KS

Job Ticket: 44383

DST#: 6

Test Start: 2011.09.09 @ 19:36:07

GENERAL INFORMATION:

Formation: **L**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 21:39:37
Time Test Ended: 03:45:37

Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 55

Interval: **4095.00 ft (KB) To 4130.00 ft (KB) (TVD)**
Total Depth: **4130.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2833.00 ft (KB)**
2823.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 6667

Outside

Press@RunDepth: **1196.42 psig @ 4096.00 ft (KB)**

Start Date: **2011.09.09**

End Date:

2011.09.10

Start Time: **19:36:07**

End Time:

03:22:37

Capacity: **8000.00 psig**

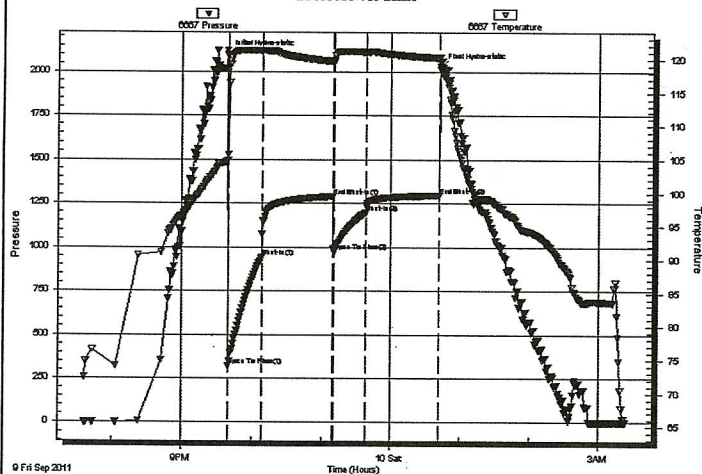
Last Calib.: **2011.09.10**

Time On Btm: **2011.09.09 @ 21:39:07**

Time Off Btm: **2011.09.10 @ 00:42:22**

TEST COMMENT: B.O.B. in 1/2 min.
1/4" in return blow
B.O.B. in 1 1/2 min.
1" in return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2099.66	104.86	Initial Hydro-static
1	320.93	105.70	Open To Flow (1)
30	943.77	121.24	Shut-In(1)
91	1289.71	119.67	End Shut-In(1)
91	978.79	119.52	Open To Flow (2)
119	1196.42	121.07	Shut-In(2)
183	1296.23	120.21	End Shut-In(2)
184	2029.18	120.32	Final Hydro-static

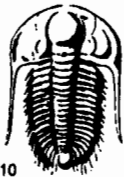
Recovery

Length (ft)	Description	Volume (bbl)
1410.00	s o c w 7%o 93%o	14.95
752.00	s g o c w 3%g 27%o 70%w	10.55
376.00	s g m & o c w 5%g 15%o 35%o 45%w	5.27
124.00	s g o 5%g 95%o	1.74

* Recovery from multiple tests

Gas Rates

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

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RECEIVED
SEP 13 2011

Test Ticket

NO. 44383

4/10

BY:

Well Name & No. Riner/Kronberger #2 Test No. #60 Date 9/10/11
 Company Blake Exploration LLC Elevation 2833 KB 2822 GL
 Address 20154 Main P.O. Box 150 Bogue KS
 Co. Rep / Geo. Mike Dawson Rig Mudra #14
 Location: Sec. 8 Twp. 14s Rge. 32w Co. Jagan State Ks

Interval Tested 4095 4130 Zone Tested "L"
 Anchor Length 35 Drill Pipe Run 3551' Mud Wt. 9.4
 Top Packer Depth 4090 Drill Collars Run 530' XH Vis 53
 Bottom Packer Depth 4095 Wt. Pipe Run --- WL 6.8
 Total Depth 4130 Chlorides 9,100 ppm System LCM #1

Blow Description B.O.B. in 1/2 min
1/4" in Return blow
B.O.B. in 1 1/2 min.
1" in Return blow

Rec <u>124</u>	Feet of <u>sgo</u>	<u>5</u> %gas	<u>95</u> %oil	<u>---</u> %water	<u>---</u> %mud
Rec <u>376</u>	Feet of <u>sgm, ocw</u>	<u>5</u> %gas	<u>35</u> %oil	<u>45</u> %water	<u>15</u> %mud
Rec <u>752</u>	Feet of <u>sgaw</u>	<u>3</u> %gas	<u>27</u> %oil	<u>70</u> %water	<u>---</u> %mud
Rec <u>1410</u>	Feet of <u>scw</u>	<u>---</u> %gas	<u>7</u> %oil	<u>9.3</u> %water	<u>---</u> %mud
Rec <u>---</u>	Feet of <u>---</u>	<u>---</u> %gas	<u>---</u> %oil	<u>---</u> %water	<u>---</u> %mud

Rec Total 2662' BHT 120° Gravity 30 API RW .187 @ 55° F Chlorides 48,500 ppm

(A) Initial Hydrostatic 2099 ☒ Test 1225' T-On Location 19:25
 (B) First Initial Flow 320 ☐ Jars --- T-Started 19:35
 (C) First Final Flow 943 ☐ Safety Joint --- T-Open 21:38
 (D) Initial Shut-In 1289 ☒ Circ Sub N/C T-Pulled 00:38
 (E) Second Initial Flow 978 ☐ Hourly Standby --- T-Out ---
 (F) Second Final Flow 1196 ☒ Mileage 72.5 100.80 Comments ---
 (G) Final Shut-In 1296 ☐ Sampler ---
 (H) Final Hydrostatic 2029 ☐ Straddle --- ☐ Ruined Shale Packer ---
☐ Shale Packer --- ☐ Ruined Packer ---
☐ Extra Packer --- ☐ Extra Copies ---
☐ Extra Recorder ---
☐ Day Standby ---
☐ Accessibility ---

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 0
 Total 1325.80
 MP/DST Disc't ---

Approved By --- Our Representative [Signature]
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploation

PO Box 150
Bogue, KS 67625

ATTN: Mike Davignon

Riner/Kroneberger #2

8-14-32 Logan, KS

Job Ticket: 44384

DST#: 7

Test Start: 2011.09.11 @ 06:00:20

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:07:50

Time Test Ended: 11:00:05

Interval: **4380.00 ft (KB) To 4420.00 ft (KB) (TVD)**

Total Depth: **4420.00 ft (KB) (TVD)**

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

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6667** Outside

Press@RunDepth: 30.60 psig @ 4381.00 ft (KB)

Start Date: 2011.09.11 End Date: 2011.09.11

Start Time: 06:00:20 End Time: 10:49:05

Capacity: 8000.00 psig

Last Calib.: 2011.09.11

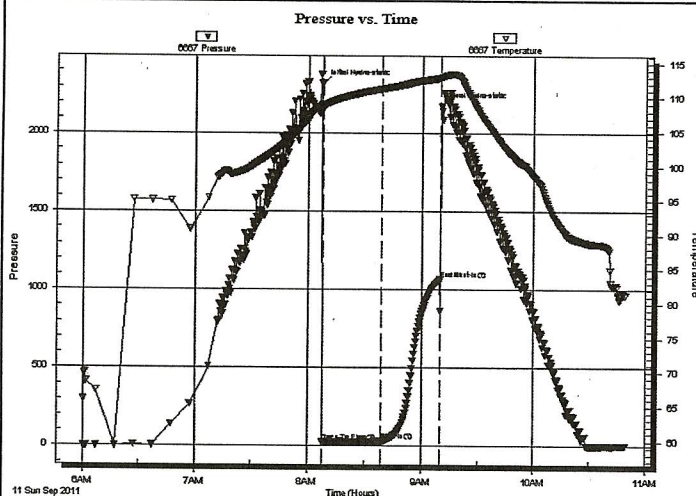
Time On Btm: 2011.09.11 @ 08:07:35

Time Off Btm: 2011.09.11 @ 09:10:20

TEST COMMENT: 1/4" in blow died in 13 min.

No return

Pull tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.63	109.03	Initial Hydro-static
1	26.67	108.37	Open To Flow (1)
32	30.60	111.27	Shut-In(1)
62	1067.72	112.83	End Shut-In(1)
63	2170.76	112.98	Final Hydro-static

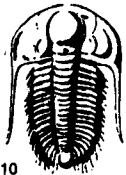
Recovery

Length (ft)	Description	Volume (bbl)
1.00	free oil 100%o	0.00
4.00	mud w /oil spots 100%m	0.02

* Recovery from multiple tests

Gas Rates

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

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 13 2011

Test Ticket

NO. 44384

BY: _____

Well Name & No. River / Kranzberger #2 Test No. #7 Date 9/11/11

Company Blake Exploration LLC Elevation 2833 KB 2822 GL

Address 201 S. Main P.O. Box 150 Bogard, KS

Co. Rep / Geo. Mike Davignon Rig Mustard #14

Location: Sec. 8 Twp. 14s Rge. 32w Co. Logan State Ks

Interval Tested 4380 4420 Zone Tested Johnson

Anchor Length 40 Drill Pipe Run _____ Mud Wt. 9.4

Top Packer Depth 4375 Drill Collars Run 530' XH Vis 53

Bottom Packer Depth 4380 Wt. Pipe Run _____ WL 6.8

Total Depth 4420 Chlorides 9,600 ppm System LCM #1

Blow Description 1/4" blow died in 13 min

No return

Pull Tool

Rec <u>1'</u>	Feet of <u>Free Oil</u>	%gas <u>100</u>	%oil	%water	%mud
Rec <u>4'</u>	Feet of <u>mud w/oil spots</u>	%gas	%oil	%water <u>100</u>	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 5' BHT 113° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2317 ☒ Test 1225' T-On Location 05:40

(B) First Initial Flow 26 ☐ Jars _____ T-Started 06:00

(C) First Final Flow 30 ☐ Safety Joint _____ T-Open 08:05

(D) Initial Shut-In 1067 ☒ Circ Sub N/C T-Pulled 09:05

(E) Second Initial Flow _____ ☐ Hourly Standby _____ T-Out 11:00

(F) Second Final Flow _____ ☒ Mileage 72 RT 100.80 Comments _____

(G) Final Shut-In _____ ☐ Sampler _____

(H) Final Hydrostatic 2170 ☐ Straddle _____ ☐ Ruined Shale Packer _____

Initial Open 30 ☐ Shale Packer _____ ☐ Ruined Packer _____

Initial Shut-In 30 ☐ Extra Packer _____ ☐ Extra Copies _____

Final Flow _____ ☐ Extra Recorder _____ Sub Total 0

Final Shut-In _____ ☐ Day Standby _____ Total 1325.80

☐ Accessibility _____ MP/DST Disc't _____

Sub Total 1325.80

Approved By _____ Our Representative _____

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploation

PO Box 150
Bogue, KS 67625

ATTN: Mike Davignon

Riner/Kroneberger #2

8-14-32 Logan, KS

Job Ticket: 44385

DST#: 8

Test Start: 2011.09.11 @ 17:41:11

GENERAL INFORMATION:

Formation: **Morrow sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:51:26

Time Test Ended: 00:50:26

Interval: **4430.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Total Depth: **4470.00 ft (KB) (TVD)**

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

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 2833.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6667**

Outside

Press@RunDepth: 514.26 psig @ 4431.00 ft (KB)

Start Date: 2011.09.11

End Date:

2011.09.12

Start Time: 17:41:11

End Time:

00:29:26

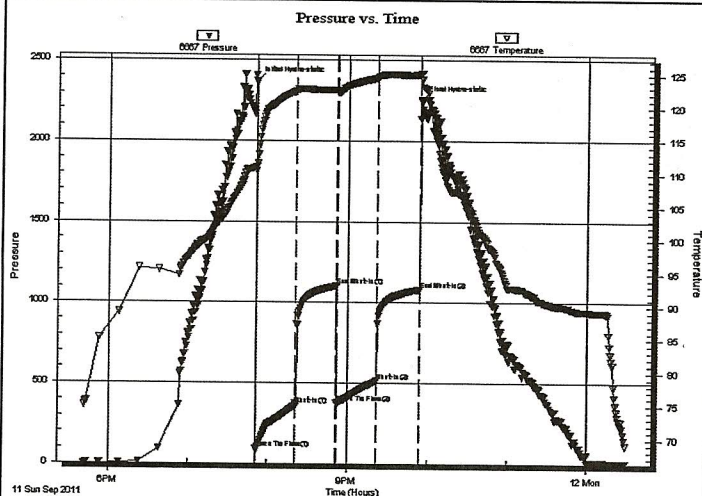
Capacity: 8000.00 psig

Last Calib.: 2011.09.12

Time On Btm: 2011.09.11 @ 19:51:11

Time Off Btm: 2011.09.11 @ 21:54:11

TEST COMMENT: B.O.B. in 5 min.
7 1/2" in return
B.O.B. in 2 min.
4" in return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2367.32	111.10	Initial Hydro-static
1	93.81	110.57	Open To Flow (1)
30	360.11	122.61	Shut-In(1)
61	1101.72	122.78	End Shut-In(1)
61	373.19	122.30	Open To Flow (2)
91	514.26	124.58	Shut-In(2)
122	1078.62	125.06	End Shut-In(2)
123	2257.47	125.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
530.00	g m c o 20g 40m 40o	2.61
572.00	c g o 20g 80o	8.02
0.00	718' gas in pipe	0.00

* Recovery from multiple tests

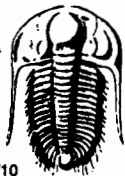
Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 44385

Printed: 2011.09.15 @ 10:17:00



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 13 2011
BY: _____

Test Ticket

NO. 44385

Well Name & No. Riner/Kroneberger #2 Test No. #8 Date 9/11/11
 Company Blake Exploration LLC Elevation 2833 KB 2822 GL
 Address 2015 Main P.O. Box 150 Bogue, KS
 Co. Rep / Geo. Mike Daugner Rig Martin #14
 Location: Sec. 8 Twp. 14s Rge. 32w Co. Jagan State KS

Interval Tested 4430 4470 Zone Tested Martin Sand
 Anchor Length 40 Drill Pipe Run 3900' Mud Wt. 9.3
 Top Packer Depth 4425 Drill Collars Run 530' KH Vis 50
 Bottom Packer Depth 4430 Wt. Pipe Run WL 7.2
 Total Depth 4470 Chlorides 7600 ppm System LCM #1

Blow Description B.O.B. in 5min
7 1/2" in Return blow
B.O.B. in 2min.
4" in Return blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>522</u>	<u>Cgo</u>	<u>20%</u>	<u>80%</u>		
<u>530</u>	<u>gmco</u>	<u>20%</u>	<u>40%</u>	<u>40%</u>	
		%gas	%oil	%water	%mud
	<u>718' GAS. W P.R.</u>	%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 1102' BHT 125° Gravity 29 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic <u>2367</u>	☒ Test <u>1225'</u>	T-On Location <u>17:25</u>
(B) First Initial Flow <u>93</u>	☐ Jars	T-Started <u>17:40</u>
(C) First Final Flow <u>360</u>	☐ Safety Joint	T-Open <u>19:50</u>
(D) Initial Shut-In <u>1101</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>21:50</u>
(E) Second Initial Flow <u>373</u>	☐ Hourly Standby	T-Out <u>00:50</u>
(F) Second Final Flow <u>514</u>	☒ Mileage <u>72.85</u> <u>100.80</u>	Comments
(G) Final Shut-In <u>1078</u>	☐ Sampler	
(H) Final Hydrostatic <u>2257</u>	☐ Straddle	

Initial Open <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>30</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>30</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>30</u>	☐ Day Standby	Sub Total <u>0</u>
	☐ Accessibility	Total <u>1325.80</u>
	Sub Total <u>1325.80</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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