



**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 24 2011

Test Ticket

NO. 44458 149723

Well Name & No. McWhirter "E" 1-3 Test No. 1 Date 10-21-11
 Company Larson Engineering Elevation 2728 KB 2721 GL
 Address 562 W. St. Rd. 4 Olmitz, KS
 Co. Rep / Geo. Bob Lewellyn Rig HD#3
 Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4149-4176 Zone Tested LKC 'H'
 Anchor Length 27 Drill Pipe Run 399.5 Mud Wt. 9.1
 Top Packer Depth 4145 Drill Collars Run 150 Vis 50
 Bottom Packer Depth 4149 Wt. Pipe Run 0 WL 6.8
 Total Depth 4176 Chlorides 2100 ppm System LCM 1/2"

Blow Description Surface blow.
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>M Oil spots in tool.</u>	%gas	%oil	%water	<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 2040 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic	<u>2040</u>	☒ Test	<u>1225'</u>	T-On Location	<u>23:30</u>
(B) First Initial Flow	<u>16</u>	☒ Jars	<u>250'</u>	T-Started	<u>00:23</u>
(C) First Final Flow	<u>18</u>	☒ Safety Joint	<u>75'</u>	T-Open	<u>1:2:16</u>
(D) Initial Shut-In	<u>1184</u>	☒ Circ Sub	<u>NIC</u>	T-Pulled	<u>3:22</u>
(E) Second Initial Flow	<u>19</u>	☐ Hourly Standby		T-Out	<u>5:29</u>
(F) Second Final Flow	<u>23</u>	☒ Mileage	<u>60K1 84'</u>	Comments	
(G) Final Shut-In	<u>1163</u>	☐ Sampler			
(H) Final Hydrostatic	<u>2038</u>	☐ Straddle			

Initial Open 5
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 30

☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 11634'

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 11634'
 MP/DST Disc't

Approved By

Our Representative

Triobite 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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 26 2011

Test Ticket

NO. 44459

BY: _____

Well Name & No. McWhorter #1-3 Test No. 2 Date 10-22-11

Company Larson Engineering Elevation 2728 KB 2721 GL _____

Address 562 W. St. Rd. 4 Omitz, KS

Co. Rep / Geo. Bob Lewellyn Rig HD #3

Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4186-4222 Zone Tested LKC 'I'

Anchor Length 36 Drill Pipe Run 4024 Mud Wt. 9.2

Top Packer Depth 4182 Drill Collars Run 150 Vis 52

Bottom Packer Depth 4186 Wt. Pipe Run 0 WL 8.0

Total Depth 4222 Chlorides 2200 ppm System LCM 1/2"

Blow Description 1/2" Blow.

No return.

3 1/2" Blow.

No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>150</u>	Feet of <u>0.5M</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 150 BHT - Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2059

(B) First Initial Flow 20

(C) First Final Flow 33

(D) Initial Shut-In 1045

(E) Second Initial Flow 36

(F) Second Final Flow 88

(G) Final Shut-In 1002

(H) Final Hydrostatic 2046

☒ Test 1225'

☒ Jars 250'

☒ Safety Joint 75'

☒ Circ Sub 50

☐ Hourly Standby

☒ Mileage GORT 84'

T-On Location 19:45

T-Started 20:01

T-Open 21:57

T-Pulled 23:48

T-Out 1:58

Comments _____

Initial Open 5

Initial Shut-In 15

Final Flow 30

Final Shut-In 60

☐ Sampler

☐ Straddle

☐ Shale Packer

☐ Extra Packer

☐ Extra Recorder

☐ Day Standby

☐ Accessibility

Sub Total 11684'

☐ Ruined Shale Packer

☐ Ruined Packer

☐ Extra Copies

Sub Total 8

Total 11684'

MP/DST Disc't _____

Approved By _____

Our Representative Chuck Amiel

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OCT 26 2011

Test Ticket

NO. 44460

Well Name & No. McWhirter E* 1-3 BY: _____ Test No. 3 Date 10-23-11
 Company Larson Engineering Elevation 2728 KB 2721 GL _____
 Address 562 W. 5th Rd. 4 Olmitz, KS 67564
 Co. Rep / Geo. Bob Lewellyn Rig HD#3
 Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4247-4265 Zone Tested LKC 'K'
 Anchor Length 18 Drill Pipe Run 4087 Mud Wt. 9.3
 Top Packer Depth 4243 Drill Collars Run 150 Vis 56
 Bottom Packer Depth 4247 Wt. Pipe Run 0 WL 7.2
 Total Depth 4265 Chlorides 3700 ppm System LCM 1/2

Blow Description Surface blow.
No return.
No blow.
No return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>M</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic	<u>2110</u>	☒ Test	<u>1225'</u>	T-On Location	<u>13:30</u>
(B) First Initial Flow	<u>17</u>	☒ Jars	<u>250'</u>	T-Started	<u>13:43</u>
(C) First Final Flow	<u>17</u>	☒ Safety Joint	<u>75'</u>	T-Open	<u>15:32</u>
(D) Initial Shut-In	<u>194</u>	☒ Circ Sub	<u>N/C</u>	T-Pulled	<u>16:38</u>
(E) Second Initial Flow	<u>16</u>	☐ Hourly Standby		T-Out	<u>18:28</u>
(F) Second Final Flow	<u>18</u>	☒ Mileage	<u>60RT 84'</u>	Comments	
(G) Final Shut-In	<u>601</u>	☐ Sampler			
(H) Final Hydrostatic	<u>2112</u>	☐ Straddle			

Initial Open 5
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 30

☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 11634-

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 11634-
 MP/DST Disc't _____

Approved By _____

Our Representative _____

Chuck Smith

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RECEIVED
OCT 26 2011

Test Ticket

NO. 44461

BY: _____
Well Name & No. McWhorter 'E' 1-3 Test No. 4 Date 10-24-11
Company Larson Engineering Elevation 2728 KB 2721 GL
Address 562 W. St. 4 Olinitz, KS
Co. Rep / Geo. Bob Lewellyn Rig HD #3
Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4276 - 4291 Zone Tested Middle Creek
Anchor Length 15 Drill Pipe Run 4122 Mud Wt. _____
Top Packer Depth 4272 Drill Collars Run 150 Vis _____
Bottom Packer Depth 4276 Wt. Pipe Run 0 WL 7.2
Total Depth 4291 Chlorides 3700 ppm System LCM 1

Blow Description 1" Blow
No return
4" Blow
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>50</u>	Feet of <u>60cm</u>	<u>3</u> %gas	<u>25</u> %oil	%water	<u>72</u> %mud
Rec <u>XO</u>	Feet of <u>Weak GIP 10'</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic	<u>2150</u>	☒ Test	<u>1225'</u>	T-On Location	<u>4:30</u>
(B) First Initial Flow	<u>16</u>	☒ Jars	<u>250'</u>	T-Started	<u>5:25</u>
(C) First Final Flow	<u>20</u>	☒ Safety Joint	<u>75'</u>	T-Open	<u>6:53</u>
(D) Initial Shut-In	<u>998</u>	☒ Circ Sub	<u>50'</u>	T-Pulled	<u>8:43</u>
(E) Second Initial Flow	<u>19</u>	☐ Hourly Standby		T-Out	<u>10:29</u>
(F) Second Final Flow	<u>35</u>	☒ Mileage	<u>60RT 84'</u>	Comments	
(G) Final Shut-In	<u>935</u>	☐ Sampler			
(H) Final Hydrostatic	<u>2127</u>	☐ Straddle			

Initial Open 5
Initial Shut-In 15
Final Flow 30
Final Shut-In 60

☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 1684'

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
Sub Total 0
Total 1684'
MP/DST Disc't _____

Approved By _____

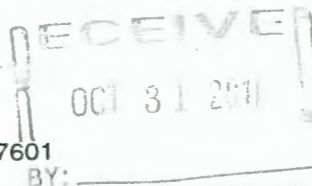
Our Representative _____

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P.O. Box 1733 • Hays, Kansas 67601



Test Ticket

NO. 44462

Well Name & No. McWhitter 'E' #1-3 Test No. 5 Date 10-24-11
 Company Larson Engineering Elevation 2728 KB 2721 GL
 Address 562 W. St. Rd. 4 Olmitz, KS
 Co. Rep / Geo. Bob Lewellyn Rig HD #3
 Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4296 - 4302 Zone Tested LKC 'L'
 Anchor Length 6 Drill Pipe Run 4150 Mud Wt. 9.3
 Top Packer Depth 4292 Drill Collars Run 150 Vis .53
 Bottom Packer Depth 4296 Wt. Pipe Run 0 WL 7.6
 Total Depth 4302 Chlorides 3600 ppm System LCM 1
 Blow Description 3/4" Blow.
No return
4" Blow.
No Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>75</u>	Feet of <u>OCM</u>	%gas	<u>45</u> %oil	%water	<u>55</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 75 BHT Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2159</u>	☒ Test <u>1225'</u>	T-On Location <u>5:45 pm</u>
(B) First Initial Flow <u>17</u>	☒ Jars <u>250'</u>	T-Started <u>5:53 pm</u>
(C) First Final Flow <u>23</u>	☒ Safety Joint <u>75</u>	T-Open <u>6:27 pm</u>
(D) Initial Shut-In <u>237</u>	☒ Circ Sub <u>50'</u>	T-Pulled <u>9:17 pm</u>
(E) Second Initial Flow <u>22</u>	☐ Hourly Standby	T-Out <u>23:08</u>
(F) Second Final Flow <u>38</u>	☒ Mileage <u>60 RT 84'</u>	Comments
(G) Final Shut-In <u>196</u>	☐ Sampler	
(H) Final Hydrostatic <u>2134</u>	☐ Straddle	

Initial Open <u>5</u>	☒ Shale Packer <u>250'</u>	☐ Ruined Shale Packer
Initial Shut-In <u>15</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>30</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>60</u>	☐ Day Standby	Sub Total <u>8</u>
	☐ Accessibility	Total <u>1934</u>
	Sub Total <u>1934'</u>	MP/DST Disc't

Approved By [Signature] Our Representative Chuck Smith
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RECEIVED
OCT 31 2011

Test Ticket

NO. 44463

Well Name & No. McWhirter 'E' 21-3 Test No. 6 Date 10-25-11
Company Larson Engineering Elevation 2728 KB 2721 GL
Address 562 W. St. Rd 4 Olmitz, KS
Co. Rep / Geo. Bob Lewellyn Rig HD#3
Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4302 - 4312 Zone Tested LKC'L'
Anchor Length 10 Drill Pipe Run 4149 Mud Wt. 9.4
Top Packer Depth 4298 Drill Collars Run 150 Vis 58
Bottom Packer Depth 4302 Wt. Pipe Run 0 WL 7.6
Total Depth 4312 Chlorides 3600 ppm System LCM 1

Blow Description Surface blow.

No return.

No blow.

No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>15</u>	Feet of <u>OSM</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT - Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2147
(B) First Initial Flow 13
(C) First Final Flow 18
(D) Initial Shut-In 1080
(E) Second Initial Flow 18
(F) Second Final Flow 26
(G) Final Shut-In 1066
(H) Final Hydrostatic 2134

☒ Test 1225'
☒ Jars 250'
☒ Safety Joint 75'
☒ Circ Sub 50'
☐ Hourly Standby
☒ Mileage 60RT 84'
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 1684'

T-On Location 6:45
T-Started 6:45
T-Open 9:06
T-Pulled 10:13
T-Out 12:11

Comments

☐ Ruined Shale Packer
☒ Ruined Packer 320'

☐ Extra Copies

Sub Total 320'

Total 2004'

MP/DST Disc't

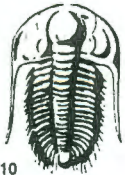
Initial Open 6
Initial Shut-In 15
Final Flow 15
Final Shut-In 30

Approved By

Our Representative

Chuck Smith

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RECEIVED
OCT 31 2011

Test Ticket

NO. 44464

Well Name & No. McWhirter 'E' 1-3 Test No. 7 Date 10-26-11
Company Larson Engineering Elevation 2728 KB 2721 GL
Address 562 W. St. Rd. 4 Olinitz, KS
Co. Rep / Geo. Bob Lewellyn Rig HD³
Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4324-4430 Zone Tested Marathon - Altamont
Anchor Length 106 Drill Pipe Run 4151 Mud Wt. 9.3
Top Packer Depth 4320 Drill Collars Run 150 Vis 56
Bottom Packer Depth 4324 Wt. Pipe Run 0 WL 6.8
Total Depth 4430 Chlorides 3200 ppm System LCM 1 1/2
Blow Description 1/4" Blow.
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>15</u>	Feet of <u>M a few spots of oil in tool.</u>	%gas	%oil	%water	<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2233</u>	☒ Test <u>1225'</u>	T-On Location <u>6:45</u>
(B) First Initial Flow <u>26</u>	☒ Jars <u>250'</u>	T-Started <u>6:58</u>
(C) First Final Flow <u>27</u>	☒ Safety Joint <u>75'</u>	T-Open <u>9:27</u>
(D) Initial Shut-In <u>218</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>10:36</u>
(E) Second Initial Flow <u>27</u>	☐ Hourly Standby	T-Out <u>12:32</u>
(F) Second Final Flow <u>29</u>	☒ Mileage <u>60RT 84'</u>	Comments
(G) Final Shut-In <u>148</u>	☐ Sampler	
(H) Final Hydrostatic <u>2185</u>	☐ Straddle	

Initial Open <u>6</u>	☒ Shale Packer <u>250'</u>	☐ Ruined Shale Packer
Initial Shut-In <u>15</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>17</u>	☐ Extra Recorder	Sub Total <u>6</u>
Final Shut-In <u>30</u>	☐ Day Standby	Total <u>1884'</u>
	☐ Accessibility	MP/DST Disc't
	Sub Total <u>1884'</u>	

Approved By

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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 31 2011

Test Ticket

NO. 44465

Well Name & No. McWhister 'E' #1-3 Test No. 8 Date 10-27-11
 Company Larson Engineering Elevation 2728 KB 2721 GL
 Address 562 W. St. Rd 4 Olmitz, KS
 Co. Rep / Geo. Bob Lewellyn Rig HD#3
 Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4425-4585 Zone Tested Pawnee-Ft. Scott
 Anchor Length 160 Drill Pipe Run 4278 Mud Wt. 9.5
 Top Packer Depth 4421 Drill Collars Run 150 Vis
 Bottom Packer Depth 4425 Wt. Pipe Run 0 WL 8.0
 Total Depth 4585 Chlorides 3000 ppm System LCM 1 1/2

Blow Description 1" Blow.
No return.
No blow.
No return

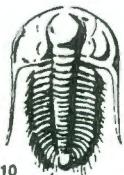
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>30</u>	Feet of <u>M</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec Total <u>30</u>	BHT <u>-</u>	Gravity <u>-</u>	API RW <u>-</u>	@ <u>-</u> °F	Chlorides <u>-</u> ppm

(A) Initial Hydrostatic <u>2322</u>	☒ Test <u>1225'</u>	T-On Location <u>13:00</u>
(B) First Initial Flow <u>34</u>	☒ Jars <u>250'</u>	T-Started <u>13:09</u>
(C) First Final Flow <u>40</u>	☒ Safety Joint <u>75'</u>	T-Open <u>15:31</u>
(D) Initial Shut-In <u>903</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>16:44</u>
(E) Second Initial Flow <u>43</u>	☐ Hourly Standby	T-Out <u>19:00</u>
(F) Second Final Flow <u>47</u>	☒ Mileage <u>GORT 84'</u>	Comments
(G) Final Shut-In <u>983</u>	☐ Sampler	
(H) Final Hydrostatic <u>2306</u>	☐ Straddle	

Initial Open <u>5</u>	☒ Shale Packer <u>250</u>	☐ Ruined Shale Packer
Initial Shut-In <u>15</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>1884</u>
	☐ Accessibility	Total <u>1884</u>
	Sub Total <u>1884</u>	MP/DST Disc't

Approved By [Signature] Our Representative Chuck Smith

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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 31 2011

Test Ticket

NO. 44466

Well Name & No. Mc Whirter 'E' # 1-3 BY: _____ Test No. 9 Date 10-28-11
Company Larson Engineering Elevation 2728 KB 2721 GL _____
Address 562 W. St. Rd. 4 Omitz, KS
Co. Rep / Geo. Bob Lewellyn Rig HD#3
Location: Sec. 3 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4265-4300 Zone Tested Lansing 'L'
Anchor Length 35 Drill Pipe Run 4098 Mud Wt. 9.4
Top Packer Depth 4261 Drill Collars Run 150 Vis 56
Bottom Packer Depth 4300 Wt. Pipe Run 0 WL _____
Total Depth 4660 Chlorides _____ ppm System LCM 2
Blow Description Packer seat failed, tried 2 more attempts, pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>340</u>	Feet of <u>M</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 340 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic	☒ Test <u>1025'</u>	T-On Location <u>12:15</u>
(B) First Initial Flow	☒ Jars <u>250'</u>	T-Started <u>13:00</u>
(C) First Final Flow	☒ Safety Joint <u>75'</u>	T-Open <u>14:57</u>
(D) Initial Shut-In	☒ Circ Sub <u>N/C</u>	T-Pulled <u>15:17</u>
(E) Second Initial Flow	☐ Hourly Standby	T-Out <u>17:19</u>
(F) Second Final Flow	☒ Mileage <u>60RT 84'</u>	Comments _____
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic	☒ Straddle <u>600'</u>	
	☒ Shale Packer <u>250'</u>	

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

☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____

Sub Total 2284'

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
Sub Total 0
Total 2284'
MP/DST Disc't _____

Approved By [Signature] Our Representative Chuck Smith

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.

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

RECEIVED
OCT 31 2011

Test Ticket

NO. 44467

Well Name & No. McWhirter E 1-3 Test No. 10 Date 10-28-11
Company Larson Engineering Elevation 2728 KB 2721 GL
Address 562 W. ST. Rd. 4 Olmitz KS
Co. Rep / Geo. Bob Leavellyn Rig HD#3
Location: Sec. 3 Twp. 18s Rge. 28W Co. Lane State KS

Interval Tested 4224-4444 Zone Tested _____
Anchor Length 220 Drill Pipe Run 4060 Mud Wt. 9.4
Top Packer Depth 4220 Drill Collars Run 150 Vis 56
Bottom Packer Depth 4444 Wt. Pipe Run 0 WL _____
Total Depth 4660 Chlorides _____ ppm System LCM 2

Blow Description 9" Blow.
No return.
B.O.B. @ 13 min.
2 1/2" Return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>180</u>	Feet of <u>60CM</u>	<u>10</u> %gas	<u>10</u> %oil	<u>80</u> %water	<u>80</u> %mud
Rec <u>240</u>	Feet of <u>60CM</u>	<u>20</u> %gas	<u>15</u> %oil	<u>65</u> %water	<u>65</u> %mud
Rec _____	Feet of <u>60 Feet Weak GIP</u>	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 420 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2377</u>	☒ Test <u>1225'</u>	T-On Location <u>17:30</u>
(B) First Initial Flow <u>169</u>	☒ Jars <u>250</u>	T-Started <u>18:03</u>
(C) First Final Flow <u>210</u>	☒ Safety Joint <u>75'</u>	T-Open <u>20:12</u>
(D) Initial Shut-In <u>1297</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>22:01</u>
(E) Second Initial Flow <u>218</u>	☐ Hourly Standby _____	T-Out <u>1:25</u>
(F) Second Final Flow <u>299</u>	☐ Mileage <u>Stayed loc.</u>	Comments _____
(G) Final Shut-In <u>1264</u>	☐ Sampler _____	_____
(H) Final Hydrostatic <u>2304</u>	☒ Straddle <u>600'</u>	_____

Initial Open 5
Initial Shut-In 15
Final Flow 30
Final Shut-In 60

☒ Shale Packer 250
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
Sub Total 2400'

☐ Ruined Shale Packer _____
☒ Ruined Packer 320
☐ Extra Copies _____
Sub Total 320'
Total 2720'
MP/DST Disc't _____

Approved By _____

Our Representative Chuck Smith

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