



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47281

Well Name & No. Armstrong 13 #2 Test No. 1 Date 5-2-12
 Company Bear Petroleum, LLC Elevation 2212 KB 2202 GL
 Address PO Box 438, Haysville, KS. 67060
 Co. Rep / Geo. Marc Downing Rig Maverick #106
 Location: Sec. 32 Twp. 20s Rge. 20w Co. Pawnee State KS

Interval Tested 4331 - 4367 Zone Tested Mississippi
 Anchor Length 36' Drill Pipe Run 4333 Mud Wt. 9.2
 Top Packer Depth 4324 Drill Collars Run 0 Vis 6.2
 Bottom Packer Depth 4331 Wt. Pipe Run 0 WL 8.0
 Total Depth 4367 Chlorides 3,000 ppm System LCM 3#
 Blow Description IFA - Intermittant Surface Blow
ISI - Dead
EFP - Dead
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>Mud w/oil specks</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 8 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2161 Test 1250' T-On Location 20:58
 (B) First Initial Flow 17 Jars 250' T-Started 22:25
 (C) First Final Flow 18 Safety Joint 75' T-Open 1:26
 (D) Initial Shut-In 435 Circ Sub _____ T-Pulled 3:26
 (E) Second Initial Flow ✓ Hourly Standby _____ T-Out 6:00
 (F) Second Final Flow 20 Mileage 126 rt 195.30 Comments _____
 (G) Final Shut-In 234 Sampler _____
 (H) Final Hydrostatic 2131 Straddle _____

Initial Open _____ Shale Packer _____ Ruined Shale Packer _____ **RECEIVED**
 Initial Shut-In _____ Extra Packer _____ Ruined Packer _____ **JUL 09 2012**
 Final Flow _____ Extra Recorder _____ Extra Copies _____ **KCC WICHITA**
 Final Shut-In _____ Day Standby _____ Accessibility _____
 Sub Total 1770.30 Sub Total _____ MP/DST Disc't _____

Approved By _____ Our Representative Jaron McJannet Thank you!

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.

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Test Ticket

NO. 47282

Well Name & No. Armstrong B #2 Test No. 2 Date 5-3-12
 Company Bear Petroleum, LLC Elevation 2212 KB 2202 GL
 Address PO Box 438, Haysville, KS, 67060
 Co. Rep / Geo. Mace Downing Rig Maverick #106
 Location: Sec. 32 Twp. 20s Rge. 20w Co. Pawnee State KS

Interval Tested 4366-4376 Zone Tested Mississippi
 Anchor Length 10' Drill Pipe Run 4365 Mud Wt. 9.2
 Top Packer Depth 4361 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 4366 Wt. Pipe Run 0 WL 12.0
 Total Depth 4376 Chlorides 8,000 ppm System LCM 2[#]
 Blow Description IFP-Weak Blow, Built to 2 1/4"
ISI-Dead
FFP-Weak Blow, Built to 1 1/4" (plugging action)
FSI-Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Hoem</u>	<u>30</u>		<u>70</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 <u>30' GIP</u>	%gas	%oil	%water	%mud

Rec Total 45 BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2153 Test 1250 T-On Location 13:11
 (B) First Initial Flow 16 Jars 250 T-Started 13:22
 (C) First Final Flow 2.3 Safety Joint 75' T-Open 16:00
 (D) Initial Shut-In 1115 Circ Sub T-Pulled 19:00
 (E) Second Initial Flow X Hourly Standby T-Out 21:26
 (F) Second Final Flow X Mileage 126 rt 195.30 Comments _____
 (G) Final Shut-In 1092 Sampler _____
 (H) Final Hydrostatic 2113 Straddle _____

Initial Open 45 Ruined Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 45 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1770.30 MP/DST Disc't _____

Approved By _____ Our Representative Jason M. Smore
 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.

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 Thank you



TRILOBITE TESTING INC.

P.O. Box 1733 - Hays, Kansas 67601

Test Ticket

NO. 47283

Well Name & No. Armstrong B #2 Test No. 3 Date 5-4-12
 Company Bear Petroleum, LLC Elevation 2212 KB 2202 GL
 Address PO Box 438, Haysville, KS. 67060
 Co. Rep / Geo. Marc Downing Rig Maverick #106
 Location: Sec. 32 Twp. 20s Rge. 20w Co. Pawnee State KS

Interval Tested 4368 - 4380 Zone Tested Mississippi
 Anchor Length 12' Drill Pipe Run 4365 Mud Wt. 9.2
 Top Packer Depth 436.3 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 4368 Wt. Pipe Run 0 WL 12.0
 Total Depth 4380 Chlorides 8,000 ppm System LCM 2#

Blow Description IFP- Good Blow, BOB in 40 min.
ISI - Dead
FFP - Good Blow, Built to 9"
FST - Blowback Built to 1/2" for 15 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Feet of Free Oil</u>				
<u>60</u>	<u>Feet of OCMW</u>	<u>20</u>	<u>40</u>	<u>40</u>	<u>40</u>
<u>60</u>	<u>Feet of Muddy Water</u>	<u>1</u>	<u>89</u>	<u>10</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>120' GIP</u>	%gas	%oil	%water	%mud

Rec Total 150' BHT Gravity API RW 240 @ 87 °F Chlorides 26,000 ppm

(A) Initial Hydrostatic 2154 Test 1250 T-On Location 3:09
 (B) First Initial Flow 17 Jars 250 T-Started 3:30
 (C) First Final Flow 52 Safety Joint 75 T-Open 6:26
 (D) Initial Shut-In 1125 Circ Sub T-Pulled 9:26
 (E) Second Initial Flow 58 Hourly Standby T-Out 11:44
 (F) Second Final Flow 84 Mileage 126RT 193.30 Comments _____
 (G) Final Shut-In 1118 Sampler _____
 (H) Final Hydrostatic 2127 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 0
 Total 177030

Approved By _____ Our Representative _____
 Sub Total 177030

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