



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51231

Well Name & No. Worth/Gerstner #1 Test No. 1 Date 11/24/12
 Company American Land and Energy LLC Elevation 1947 KB 1942 GL
 Address 7277 Tenby Way Castle Rock CO 80104
 Co. Rep / Geo. Marc Downing Rig Royal
 Location: Sec. 24 Twp. 14 Rge. 17 Co. Ellis State KS

Interval Tested 3184-3265 Zone Tested KC "A-D"
 Anchor Length 81 Drill Pipe Run 3172 Mud Wt. 8.9
 Top Packer Depth 3179 Drill Collars Run — Vis 56
 Bottom Packer Depth 3184 Wt. Pipe Run — WL 8.8
 Total Depth 3265 Chlorides 3000 ppm System LCM #2

Blow Description 2F - BOB in 30 min
1ST - No blow
1F - 3 in blow
1ST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
185	WCM			25	75

Rec Total 185 BHT 98 Gravity — API RW .22 @ 42 °F Chlorides 65,000 ppm

(A) Initial Hydrostatic 1,551 Test 1150 T-On Location 17:45
 (B) First Initial Flow 19 Jars — T-Started 18:10
 (C) First Final Flow 62 Safety Joint — T-Open 20:05
 (D) Initial Shut-In 943 Circ Sub — T-Pulled 23:05
 (E) Second Initial Flow 71 Hourly Standby — T-Out 00:35
 (F) Second Final Flow 104 Mileage 28.7 31 Comments —
 (G) Final Shut-In 934 Sampler —
 (H) Final Hydrostatic 1,515 Straddle — Ruined Shale Packer

Initial Open 45 Shale Packer — Ruined Packer —
 Initial Shut-In 45 Extra Packer — Extra Copies —
 Final Flow 45 Extra Recorder — Sub Total 0
 Final Shut-In 45 Day Standby — Total 1181
 Accessibility — MP/DST Disc't —
 Sub Total 1181

Approved By _____ Our Representative Brian Dean

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51232

Well Name & No. Worth/Gerstner #1 Test No. 2 Date 11/25/12
 Company American Land and Energy LLC Elevation 1947 KB 1947 GL
 Address 7277 Tenby Way Castle Rock CO 80104
 Co. Rep / Geo. Marc Pawning Rig Royal 1
 Location: Sec. 24 Twp. 14 Rge. 12 Co. Ellis State KS

Interval Tested 3266 - 3286 Zone Tested KC "E"
 Anchor Length 20 Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 3261 Drill Collars Run _____ Vis 5.6
 Bottom Packer Depth 3266 Wt. Pipe Run _____ WL 8.8
 Total Depth 3286 Chlorides 3,000 ppm System LCM #12

Blow Description FI - BOB in 32 min
FSI - No blow
FI - 5 1/2 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free Oil</u>				
<u>59</u>	<u>SACW</u>				
<u>120</u>	<u>water</u>		<u>80</u>	<u>20</u>	
_____	_____				
_____	_____				

Rec Total 180 BHT 103 Gravity _____ API RW .065 @ 60 °F Chlorides 165,000 ppm
 (A) Initial Hydrostatic 1,571 Test 1150 T-On Location 6:45
 (B) First Initial Flow 21 Jars _____ T-Started 6:55
 (C) First Final Flow 71 Safety Joint _____ T-Open 8:15
 (D) Initial Shut-In 387 Circ Sub _____ T-Pulled 11:15
 (E) Second Initial Flow 76 Hourly Standby _____ T-Out 12:50
 (F) Second Final Flow 104 Mileage 20.7 31 Comments _____
 (G) Final Shut-In 498 Sampler _____
 (H) Final Hydrostatic 1,540 Straddle _____

Initial Open 45 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 45 Extra Recorder _____ Extra Copies _____
 Final Shut-In 45 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1181
 Sub Total 1181 MP/DST Disc't _____

Approved By _____ Our Representative Brian Dineen
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51233

Well Name & No. Weirh/Guestner #1 Test No. 3 Date 11/26/12
 Company American Land and Energy LLC Elevation 1947 KB 1942 GL
 Address 7277 Tenby Way Castle Rock CO 80104
 Co. Rep / Geo. Marc Downing Rig Royal #1
 Location: Sec. 24 Twp. 14 Rge. 1.7 Co. Ellis State KS

Interval Tested 3421-3462 Zone Tested Arbuckle
 Anchor Length 41 Drill Pipe Run 3427 Mud Wt. 9.4
 Top Packer Depth 3476 Drill Collars Run — Vis 5.6
 Bottom Packer Depth 3421 Wt. Pipe Run — WL 9.6
 Total Depth 3467 Chlorides 5,000 ppm System LCM 1 1/2"

Blow Description IF - BOB in 13 min
FSI - No blow
FF - 9 1/2 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
65	MCO	60		40	
60	MCO	70		30	
65	560	5	95		
	55 GEP				

Rec Total 190 BHT 101 Gravity 34 API RW @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1,768 Test 1150 T-On Location 7:35
 (B) First Initial Flow 31 Jars T-Started 7:55
 (C) First Final Flow 72 Safety Joint T-Open 9:35
 (D) Initial Shut-In 477 Circ Sub T-Pulled 12:35
 (E) Second Initial Flow 89 Hourly Standby T-Out 14:20
 (F) Second Final Flow 94 Mileage 20.7 31 Comments
 (G) Final Shut-In 364 Sampler
 (H) Final Hydrostatic 1,659 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1181
 Accessibility MP/DST Disc't
 Sub Total 1181

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Brian Downing
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