TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

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OCT 06 2011
BY:

Test Ticket

NO. 45254 16404

Well Name & No. Bollig #121 Test No. 1 Date 10-2-11

Company H+C Oil Operating Inc. Elevation 2425 KB 2419 GL

Address P.O. Box 86 Plainville, KS 67663

Co. Rep / Geo. Clayton Erickson Rig ~~Cuttor~~ American Eagle 3

Location: Sec. 12 Twp. 10S. Rge. 23W. Co. Graham State KS

Interval Tested 3764-3796 Zone Tested LKC "F"

Anchor Length 32' Drill Pipe Run 3758 Mud Wt. 8.6

Top Packer Depth 3759 Drill Collars Run 0 Vis 75

Bottom Packer Depth 3764 Wt. Pipe Run 0 WL 8.0

Total Depth 3796 Chlorides 1000 ppm System LCM 2.5#

Blow Description IF- Weak building blow. Built to 1 3/4 inches.
ISI- No Return.
FF- Weak building blow after 16 minutes. Built to 1/2 inch.
FSI- No Return.

Rec 35	Feet of Mud	%gas	%oil	%water 100	%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 35 BHT 108 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1823	☑ Test 1125-	T-On Location 1245
(B) First Initial Flow 26	☑ Jars 250-	T-Started 1345
(C) First Final Flow 33	☑ Safety Joint 75-	T-Open 1515
(D) Initial Shut-In 481	☐ Circ Sub	T-Pulled 1820
(E) Second Initial Flow 40	☐ Hourly Standby	T-Out 2000
(F) Second Final Flow 38	☑ Mileage 55X2 110RT 154-	Comments Bott-1341
(G) Final Shut-In 476	☐ Sampler	
(H) Final Hydrostatic 1749	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total -0-
Final Flow 30	☐ Day Standby	Total 1604-
Final Shut-In 60	☐ Accessibility	MP/DST Disc't
	Sub Total 1604-	

Approved By ____ Our Representative D. Rash

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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Test Ticket

NO. 45255

4/10

Well Name & No. Bollis #12-1 Test No. 2 Date 10-3-11

Company H+C Oil Operating Inc. Elevation 2425 KB 2419 GL

Address P.O. Box 86 Plainville, KS 67663

Co. Rep / Geo. Clayton Erickson Rig American Eagle 3

Location: Sec. 12 Twp. 10S. Rge. 23W. Co. Graham State KS

Interval Tested 3824-3850 Zone Tested LKC "H"

Anchor Length 26' Drill Pipe Run 3819 Mud Wt. 9.1

Top Packer Depth 3819 Drill Collars Run 0 Vis 54

Bottom Packer Depth 3824 Wt. Pipe Run 0 WL 8.8

Total Depth 3850 Chlorides 20000 ppm System LCM 2#

Blow Description IF- Fair building blow, BOB in 27 minutes.
ISI- No Return
FF- Weak building blow. Built to 12 inches.
FSI- No Return.

Rec 75	Feet of Muddy Water	%gas	%oil	50 %water	50 %mud	
Rec 120	Feet of Muddy Water	%gas	%oil	80 %water	20 %mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 195 BHT Gravity API RW 360 @ 83 °F Chlorides 15,000 ppm

(A) Initial Hydrostatic 1850	☑ Test 1125	T-On Location 0500	
(B) First Initial Flow 27	☑ Jars 250	T-Started 0545	
(C) First Final Flow 75	☑ Safety Joint 75	T-Open 0706	
(D) Initial Shut-In 800	☐ Circ Sub	T-Pulled 1010	
(E) Second Initial Flow 80	☐ Hourly Standby	T-Out 1130	
(F) Second Final Flow 123	☑ Mileage 55X2 110RT 154	Comments Batt-0527	
(G) Final Shut-In 792	☐ Sampler		
(H) Final Hydrostatic 1793	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1604-	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 1604-		

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Test Ticket

NO. 45256

4/10

BY:

Well Name & No. Bollig #1-21 Test No. 3 Date 10-3-11

Company H+C Oil Operating Inc. Elevation 2425 KB 2419 GL

Address P.O. Box 86 Plainville, KS 67663

Co. Rep / Geo. Clayton Erickson Rig American Eagle 3

Location: Sec. 12 Twp. 10S Rge. 23W Co. Graham State KS

Interval Tested 3856-3893 Zone Tested LKC "I+J"

Anchor Length 37' Drill Pipe Run 3850 Mud Wt. 8.9

Top Packer Depth 3851 Drill Collars Run 0 Vis 57

Bottom Packer Depth 3856 Wt. Pipe Run 0 WL 9.6

Total Depth 3893 Chlorides 3000 ppm System LCM 1½#

Blow Description IF- Strong building blow, BOB in 1 minute 30 seconds, ISI- Return @ 30 seconds, Built to 3/4 inch. Died @ 27 minutes, FF- Strong building blow, BOB in 3 minutes, 30 seconds, FSI- Return @ 15 seconds, Built to 5 inches.

Rec 135	Feet of Gassy O,I	40 %gas	60 %oil	%water	%mud
Rec 120	Feet of Gassy O/M	60 %gas	20 %oil	%water	20 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of 1560' G.I.P.	%gas	%oil	%water	%mud

Rec Total 255 BHT 115 Gravity 44 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1901	☑ Test 1125	T-On Location 2000
(B) First Initial Flow 59	☑ Jars 250	T-Started 2100
(C) First Final Flow 75	☑ Safety Joint 75	T-Open 2203
(D) Initial Shut-In 476	☐ Circ Sub	T-Pulled 0105
(E) Second Initial Flow 90	☐ Hourly Standby	T-Out 0300
(F) Second Final Flow 111	☑ Mileage 55X2 110RT 154	Comments Batt-2030
(G) Final Shut-In 488	☐ Sampler	
(H) Final Hydrostatic 1825	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1200
Final Shut-In 60	☐ Accessibility	MP/DST Disc't
	Sub Total 1604	

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Test Ticket

NO. 45257

4/10

Well Name & No. Bollig #12-1 Test No. 4 Date 10-4-11

Company H4C Oil Operating Inc. Elevation 2425 KB 2419 GL

Address P.O. Box 86 Plainville, KS 67663

Co. Rep / Geo. Clayton Erickson Rig American Eagle 3

Location: Sec. 12 Twp. 10S. Rge. 23W. Co. Graham State KS

Interval Tested 3894-3913 Zone Tested LKC "K"

Anchor Length 19' Drill Pipe Run 3879 Mud Wt. 8.9

Top Packer Depth 3889 Drill Collars Run 0 Vis 57

Bottom Packer Depth 3894 Wt. Pipe Run 0 WL 9.6

Total Depth 3913 Chlorides 3000 ppm System LCM 1.5#

Blow Description IF- Weak surface blow. Died @ 9 minutes,
ISI- No Return,
FF- Few surface bubbles. Died @ 30 seconds,
FSI- No Return,

Rec 1	Feet of 50CM	%gas 10	%oil	%water 90	%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 1 BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1955	☑ Test 1125	T-On Location 0900	
(B) First Initial Flow 23	☑ Jars 250	T-Started 0945	
(C) First Final Flow 22	☑ Safety Joint 75	T-Open 1115	
(D) Initial Shut-In 30	☐ Circ Sub	T-Pulled 1415	
(E) Second Initial Flow 23	☐ Hourly Standby	T-Out 1545	
(F) Second Final Flow 21	☑ Mileage 55 X 2 110 RT 154	Comments Batt- 0943	
(G) Final Shut-In 25	☐ Sampler		
(H) Final Hydrostatic 1856	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1604	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 1604		

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