



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 04278415605

4/10

Well Name & No. Pfamenstiel #3 Test No. 1 Date 4-1-11
 Company Blackhawk Production Co. Elevation 2056 KB 2047 GL
 Address 1607 Oakmont Hays, KS 67601
 Co. Rep / Geo. Aaron Weirh Rig Discovery 3
 Location: Sec. 20 Twp. 14S Rge. 18W Co. Ellis State KS

Interval Tested 3338-3412 Zone Tested LKC "C-D"
 Anchor Length 74' Drill Pipe Run 3299 Mud Wt. 8.6
 Top Packer Depth 3333 Drill Collars Run 31 Vis 83
 Bottom Packer Depth 3338 Wt. Pipe Run 0 WL 7.6
 Total Depth 3412 Chlorides 2000 ppm System LCM 2#

Blow Description IF - Strong building blow. B.O.B. 3 minutes. 30 seconds.
IST - No Return.
FF - Strong building blow. B.O.B. in 1 minute.
FST - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>Mud</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 Total 65 BHT 104 Gravity ✓ API RW @ ° F Chlorides ppm

- (A) Initial Hydrostatic 1653
- (B) First Initial Flow 19
- (C) First Final Flow 27
- (D) Initial Shut-In 115
- (E) Second Initial Flow 22
- (F) Second Final Flow 34
- (G) Final Shut-In 105
- (H) Final Hydrostatic 1597

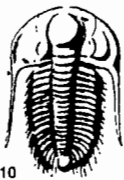
- Test 1125
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 4x2 = 10
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1135

T-On Location 0615
 T-Started 0700
 T-Open 0825
 T-Pulled 1055
 T-Out 1245
 Comments 0652-Boat.
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1135
 MP/DST Disc't

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 062785

4/10

Well Name & No.	Plannersiel #3	Test No.	2	Date	4-1-11
Company	Blackhawk Production Co.	Elevation	2056	KB	2047
Address	1607 Oakmont Hays, KS		67601	GL	
Co. Rep / Geo.	Aaron Weirh	Rig	Discovery 3		
Location: Sec.	20	Twp.	14S	Rge.	18W
		Co.	Ellis	State	KS

Interval Tested	3410-3435	Zone Tested	LKC "F"
Anchor Length	25'	Drill Pipe Run	3391
Top Packer Depth	3405	Drill Collars Run	31
Bottom Packer Depth	3410	Wt. Pipe Run	0
Total Depth	3435	Chlorides	3000 ppm System
		LCM	1.5#

Blow Description IF-Weak surface blow. Died @ 22 minutes,
ISI- No Return,
FF- No blow,
FSE- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
5	Mud / Few 0.1 Spots			100	

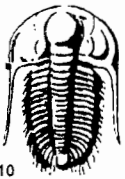
Rec Total _____ BHT 102 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic	<u>1660</u>	<input checked="" type="checkbox"/> Test	<u>1125</u>	T-On Location	<u>1815</u>
(B) First Initial Flow	<u>11</u>	<input type="checkbox"/> Jars		T-Started	<u>1845</u>
(C) First Final Flow	<u>18</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>2003</u>
(D) Initial Shut-In	<u>100</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>2205</u>
(E) Second Initial Flow	<u>18</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>2320</u>
(F) Second Final Flow	<u>19</u>	<input checked="" type="checkbox"/> Mileage	<u>4X2 10.65</u>	Comments	<u>BHT-1830</u>
(G) Final Shut-In	<u>65</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1656</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>8</u>
Final Shut-In	<u>30</u>	<input type="checkbox"/> Day Standby		Total	<u>1135</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1135</u>		

Approved By _____ Our Representative D. Ash

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041574

4/10

Well Name & No. DFANNEST 21 #3 Test No. 3 Date 4-2-11
 Company BLACK HAWK PRODUCTION CO. Elevation 2056 KB 2047 GL
 Address 107 OAKMONT HAYS KS 67601
 Co. Rep / Geo. Al Downing Rig DISCOVERY #3
 Location: Sec. 20 Twp. N4S Rge. 18W Co. Ellis State KS

Interval Tested 3500-3555 Zone Tested LRC 20"
 Anchor Length 55' Drill Pipe Run 3457 Mud Wt. 91
 Top Packer Depth 3495 Drill Collars Run 3153 Vis 47
 Bottom Packer Depth 3500 Wt. Pipe Run 0 WL 9.4
 Total Depth 3555 Chlorides 5000 ppm System LCM 2A
 Blow Description IF: Fair 3 1/2" blow
IS: No Return
FF: 2" blow
FS: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>MIN w/ slight oil specks in TOU</u>			<u>55</u>	<u>45</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 95' BHT 109 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1722 Test 1125' T-On Location 10:16
 (B) First Initial Flow 19 Jars _____ T-Started 10:17
 (C) First Final Flow 45 Safety Joint _____ T-Open 1200
 (D) Initial Shut-In 537 Circ Sub _____ T-Pulled 1500
 (E) Second Initial Flow 48 Hourly Standby _____ T-Out 1631
 (F) Second Final Flow 61 Mileage 20RT 25' Comments _____
 (G) Final Shut-In 530 Sampler _____
 (H) Final Hydrostatic 1671 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1150'
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1150'

Approved By _____ Our Representative [Signature]
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