



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 44214 14664

Well Name & No. Frank C. Sanders #13 Test No. 2 Date 11-24-11
 Company Blackhawk Production Co. Elevation ~~1700~~ 2010 KB 2002 GL
 Address 1607 Oakmont Hays, KS 67601
 Co. Rep / Geo. Tony Richardson Rig Discovery 2
 Location: Sec. 10 Twp. 14S Rge. 17W Co. Ellis State KS

Interval Tested 3501-3535 Zone Tested 2-Arbuckle
 Anchor Length 34' Drill Pipe Run 3457 Mud Wt. 8.9
 Top Packer Depth 3496 Drill Collars Run 30 Vis 77
 Bottom Packer Depth 3501 Wt. Pipe Run 0 WL 8.0
 Total Depth 3535 Chlorides 4500 ppm System LCM 3#

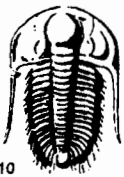
Blow Description IF- Surging surface blow @ 11 minutes. Died @ 36 minutes.
VST- No Return,
FF- No flow.
EST- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</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 3 BHT 98 Gravity API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 1750 Test 1125' T-On Location 0200
 (B) First Initial Flow 15 Jars T-Started 0315
 (C) First Final Flow 16 Safety Joint T-Open 0443
 (D) Initial Shut-In 59 Circ Sub T-Pulled 0815
 (E) Second Initial Flow 17 Hourly Standby T-Out 0945
 (F) Second Final Flow 19 Mileage 7X2 19.60 Comments BHT-0305
 (G) Final Shut-In 38 Sampler
 (H) Final Hydrostatic 1696 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 60 Extra Recorder Sub Total 8
 Initial Shut-In 60 Day Standby Total 1144-60
 Final Flow 30 Accessibility MP/DST Disc't
 Final Shut-In 60 Sub Total 1144-60

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 44215

NOV 23 2011

Well Name & No. Frank C. Sanders #13 Test No. 2 Date 11-24-11
 Company Blackhawk Production Co. Elevation 2010 KB 2002 GL
 Address 1607 Oakmont Hays, KS 67601
 Co. Rep / Geo. Tony Richardson Rig Discovery 1
 Location: Sec. 10 Twp. 14S Rge. 17W Co. Ellis State KS

Interval Tested 3501-3548 Zone Tested L-Arbuckle
 Anchor Length 47' Drill Pipe Run 3457 Mud Wt. 9.1
 Top Packer Depth 3496 Drill Collars Run 30 Vis 50
 Bottom Packer Depth 3501 Wt. Pipe Run 0 WL 8.0
 Total Depth 3548 Chlorides 6000 ppm System LCM 2.5#

Blow Description IF - Surging surface blow, Died @ 33 minutes,
JST - No Return,
FF - Surging surface blow @ 9 minutes, Died @ 13 minutes,
FST - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>HO CM</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
<u>25</u>	<u>SO CM</u>	<u>10</u>	<u>90</u>	<u>90</u>	<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 96 Gravity 1.125 API RW @ 1415 °F Chlorides 1960 ppm

- (A) Initial Hydrostatic 1744
- (B) First Initial Flow 17
- (C) First Final Flow 29
- (D) Initial Shut-In 218
- (E) Second Initial Flow 32
- (F) Second Final Flow 37
- (G) Final Shut-In 203
- (H) Final Hydrostatic 1690

- Test 1125'
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 7X2 1960
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1144.60

T-On Location 1415
 T-Started 01530
 T-Open 16.35
 T-Pulled 2010
 T-Out 2130
 Comments BHT-0314
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1144.60
 MP/DST Disc't

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

Approved By _____ Our Representative D. Radt

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