

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042810 15661

Well Name & No. Haffner 2-20 Test No. 1 Date 4-13-11
 Company Dan Haffner Elevation 2754 KB 2744 GL
 Address PO Box 49 Hoxie KS 67740
 Co. Rep / Geo. Bryce ARD Rig Southwind Drilling #1
 Location: Sec. 20 Twp. 9 S Rge. 27 W Co. Sheridan State KS

Interval Tested 3820-3912 Zone Tested TOR-LAN-A
 Anchor Length 52 Drill Pipe Run 3820 Mud Wt. 8.8
 Top Packer Depth 3855 Drill Collars Run 0 Vis 39
 Bottom Packer Depth 3820 Wt. Pipe Run 0 WL 6.4
 Total Depth 3912 Chlorides 700 ppm System LCM 2

Blow Description IFP-Weak Blow Built to 1 1/2 IN
ISI-Dead NO Blow Back
FFP-Dead NO Blow
FSP-Dead NO Blow Back

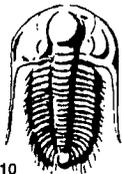
Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	<u>WM</u>			<u>5</u>	<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 4 BHT 117 Gravity API RW, 439 @ 3912 °F Chlorides 28000 ppm
 (A) Initial Hydrostatic 1907 Test 1125 T-On Location 20:09
 (B) First Initial Flow 38 Jars 250 T-Started 21:04
 (C) First Final Flow 40 Safety Joint 75 T-Open 22:45
 (D) Initial Shut-In 1150 Circ Sub T-Pulled 1:30
 (E) Second Initial Flow 43 Hourly Standby T-Out 3:14
 (F) Second Final Flow 42 Mileage 54 RT 6750 Comments _____
 (G) Final Shut-In 1149 Sampler _____
 (H) Final Hydrostatic 1867 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 8
 Day Standby _____ Total 1517.50
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 400
 Sub Total 1517.50

Approved By _____ Our Representative Jeff Brown

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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P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042611

4/10

Well Name & No. Haffner 2-20 Test No. 2 Date 4-14-11
 Company Dan Haffner Elevation 2754 KB 2744 GL
 Address PO Box 49 Hoxie KS 67740
 Co. Rep / Geo. Bruce ARD Rig Southwind Rig #1
 Location: Sec. 20 Twp. 9S Rge. 27W Co. Sheridan State KS

Interval Tested 3914-3938 Zone Tested LAN-C
 Anchor Length 24 Drill Pipe Run 3898 Mud Wt. 9.0
 Top Packer Depth 3909 Drill Collars Run 0 Vis 5L
 Bottom Packer Depth 3914 Wt. Pipe Run 0 WL 2.8
 Total Depth 3938 Chlorides 1100 ppm System LCM 1

Blow Description IFP Weak Blow Built to 1 1/2 IN
ISI-Dead NO Blow Back
FFP-Dead NO Blow
FSI-Dead NO Blow Back

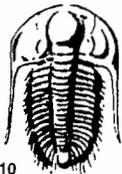
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD WITH A SCUM OF OIL</u>				<u>100%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1936 Test 1125" T-On Location 9:56
 (B) First Initial Flow 20 Jars 250" T-Started 10:30
 (C) First Final Flow 21 Safety Joint 75" T-Open 12:45
 (D) Initial Shut-In 729 Circ Sub _____ T-Pulled 15:30
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 16:49
 (F) Second Final Flow 23 Mileage 54 RT 67.50 Comments _____
 (G) Final Shut-In 705 Sampler _____
 (H) Final Hydrostatic 1958 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 8
 Day Standby _____ Total 1517.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1517.50

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042612

4/10

Well Name & No. Hgffner #2-20 Test No. 3 Date 4-15-11
 Company Don Hoffner Elevation 2754 KB 2744 GL
 Address PO Box 49 Hoxie KS 67740
 Co. Rep / Geo. Bruce ARD Rig SOUTHWIND Rig #1
 Location: Sec. 20 Twp. 9S Rge. 27W Co. Sheridan State KS

Interval Tested 3940 - 3981 Zone Tested LAN-D-F
 Anchor Length 41 Drill Pipe Run 3927 Mud Wt. 9.0
 Top Packer Depth 3935 Drill Collars Run 0 Vis 520
 Bottom Packer Depth 3940 Wt. Pipe Run 0 WL 20.8
 Total Depth 3981 Chlorides 1100 ppm System LCM 1

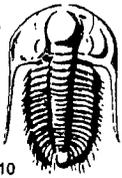
Blow Description IF - GOOD Blow BOB IN 10 1/2 min
ISL - Weak Blow BACK DIED OUT IN 5 min
FFP - GOOD Blow BOB IN 11 min
FSL - DEAD NO Blow BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>73</u>	<u>wm</u>			<u>45</u>	<u>55</u>
<u>378</u>	<u>MW</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 451 BHT 127 Gravity API RW 259 @ 53.5° F Chlorides 38000 ppm
 (A) Initial Hydrostatic 1942 Test 1125 T-On Location 3:53
 (B) First Initial Flow 30 Jars 250 T-Started 5:22
 (C) First Final Flow 1520 Safety Joint TB T-Open 10:47
 (D) Initial Shut-In 1134 Circ Sub T-Pulled 13:32
 (E) Second Initial Flow 147 Hourly Standby 4 hrs 400 T-Out 17:07
 (F) Second Final Flow 247 Mileage 34 RT 67.50 Comments _____
 (G) Final Shut-In 11320 Sampler _____
 (H) Final Hydrostatic 1902 Straddle _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Shale Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 40 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1917.50 MP/DST Disc't _____

Approved By _____ Our Representative Jeff Bown

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 04261J

Well Name & No. Haffner #2.20 Test No. 4 Date 4-16-11
 Company DAN Haffner Elevation 2754 KB 2744 GL
 Address PO Box 49 Hoxie KS 67740
 Co. Rep / Geo. Bree ARD Rig Southwind Rig # 1
 Location: Sec. 20 Twp. 9S Rge. 27W Co. Sheridan State KS

Interval Tested 4124-4161 Zone Tested Pleasanton
 Anchor Length 37 Drill Pipe Run 4116 Mud Wt. 9.0
 Top Packer Depth 4119 Drill Collars Run 0 Vis 59
 Bottom Packer Depth 4124 Wt. Pipe Run 0 WL 7.2
 Total Depth 4161 Chlorides 1900 ppm System LCM 5#

Blow Description IF- Good Blow Bob IN 16 min
ISI- Read No Blow Back
AP- Good Blow Back IT TO 10 IN
ESI- Weak surface Blow Back Died out IN 2 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>239</u>	<u>MW</u>			<u>70%</u>	<u>30%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 239 BHT 130 Gravity API RW 17.8 @ 91.2° F Chlorides 29000 ppm

(A) Initial Hydrostatic 2069 Test 1225 T-On Location 11:57
 (B) First Initial Flow 25 Jars 250 T-Started 12:28
 (C) First Final Flow 80 Safety Joint 75 T-Open 14:27
 (D) Initial Shut-In 1063 Circ Sub _____ T-Pulled 17:12
 (E) Second Initial Flow 86 Hourly Standby _____ T-Out 18:44
 (F) Second Final Flow 129 Mileage 54 RT 67.50 Comments _____
 (G) Final Shut-In 1025 Sampler _____
 (H) Final Hydrostatic 2023 Straddle _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Shale Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 100 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1617.50 Sub Total 8
 Total 1617.50 MP/DST Disc't _____

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