

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Habit **Hasselhorst #1**
 639 280th Ave **12-15-18/Ellis**
 Hays, Ks Job Ticket: 41796 DST#: 1
 67601 Test Start: 2011.03.10 @ 03:28:17
 ATTN: Duane Stecklein

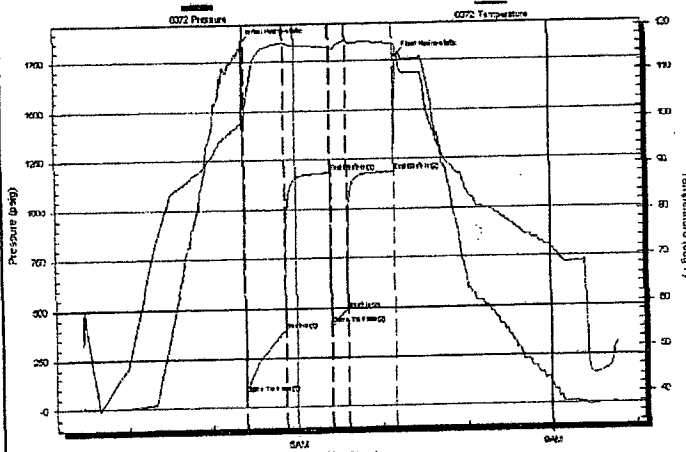
GENERAL INFORMATION:

Formation: **Arbuckle** Test Type: **Conventional Bottom Hole**
 Deviated: **No Whipstock** ft (KB) Tester: **Brian Fairbank**
 Time Tool Opened: **05:23:46** Unit No: **41**
 Time Test Ended: **09:47:16** Reference Elevations: **2016.00 ft (KB)**
2011.00 ft (CF)
 Interval: **3605.00 ft (KB) To 3630.00 ft (KB) (TVD)** KB to GR/CF: **5.00 ft**
 Total Depth: **3630.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition:

Serial #: **8372** Inside Capacity: **8000.00 psig**
 Press@RunDepth: **491.01 psig @ 3607.00 ft (KB)** Last Calib.: **2011.03.10**
 Start Date: **2011.03.10** End Date: **2011.03.10** Time On Btm: **2011.03.10 @ 05:22:46**
 Start Time: **03:28:17** End Time: **09:47:16** Time Off Btm: **2011.03.10 @ 07:11:16**

TEST COMMENT: IFF - BOB 2 min
 ISI - sur blow back
 FFP - BOB 4 min
 FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1851.18	99.41	Initial Hydro-static
1	67.67	99.89	Open To Flow (1)
29	390.65	116.59	Shut-In (1)
62	1182.59	115.31	End Shut-In (1)
62	419.01	115.18	Open To Flow (2)
73	491.01	116.78	Shut-In (2)
107	1182.76	116.10	End Shut-In (2)
109	1774.66	114.71	Final Hydro-static

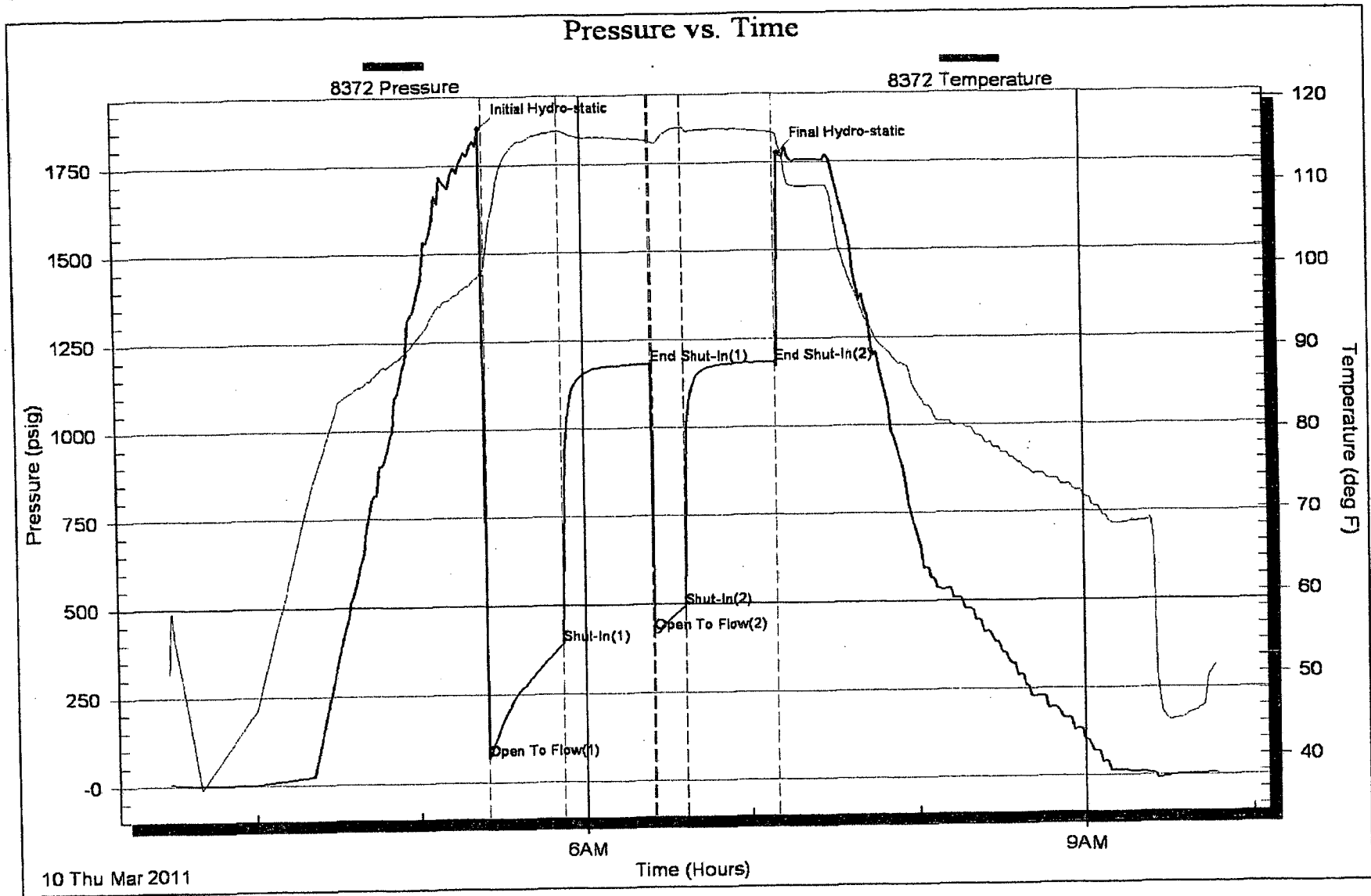
Recovery

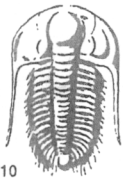
Length (ft)	Description	Volume (bbl)
495.00	MW 95%W, 5%M	2.68
310.00	SOCMW 5%O, 85%W, 10%M	4.35
185.00	O & MCW 25%O, 50%W, 25%M	2.60
115.00	O & WCM 25%O, 35%W, 40%M	1.61
35.00	FREE OIL	0.49

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

RECEIVED
 OCT 20 2011
 KCC WICHITA





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 11 2011

Test Ticket

NO. 04179615489

Well Name & No. Hasselhorst #1 Test No. 1 Date 3-10-11
 Company Habit Petro LLC Elevation 2016 KB 2011 GL
 Address 639 280th Ave Hays, ks 67601
 Co. Rep / Geo. Duane Stecklein Rig Shields
 Location: Sec. 12 Twp. 15 Rge. 18 Co. Fellis State K

Interval Tested 3605-3630 Zone Tested Arbuckle G
 Anchor Length 25 Drill Pipe Run 3125 Mud Wt. 9.3
 Top Packer Depth 3600 Drill Collars Run — Vis 55
 Bottom Packer Depth 3605 Wt. Pipe Run 468 WL 7.4
 Total Depth 3630 Chlorides 1600 ppm System LCM

Blow Description IFP - BOB 2 min
ISI - sur blow back
FFP - BOB 4 min
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>Free Oil</u>	<u>95</u>	<u>0</u>	<u>5</u>	<u>0</u>
<u>115</u>	<u>O+WCM</u>	<u>25</u>	<u>0</u>	<u>35</u>	<u>40</u>
<u>185</u>	<u>O+MCW</u>	<u>25</u>	<u>0</u>	<u>50</u>	<u>25</u>
<u>310</u>	<u>SOCMW</u>	<u>5</u>	<u>0</u>	<u>85</u>	<u>10</u>
<u>495</u>	<u>MW</u>	<u>0</u>	<u>0</u>	<u>95</u>	<u>5</u>

Rec Total 1140 BHT 116 Gravity 31 API RW .248@ 49 ° F Chlorides 45,000 ppm

(A) Initial Hydrostatic 1851 Test 1125 T-On Location 0155
 (B) First Initial Flow 68 Jars T-Started 0028
 (C) First Final Flow 391 Safety Joint T-Open 0523
 (D) Initial Shut-In 1183 Circ Sub T-Pulled 0708
 (E) Second Initial Flow 419 Hourly Standby T-Out 0947
 (F) Second Final Flow 491 Mileage 31RT 38.75 Comments
 (G) Final Shut-In 1183 Sampler
 (H) Final Hydrostatic 1775 Straddle Ruined Shale Packer

Initial Open 30 Shale Packer
 Initial Shut-In 30 Extra Packer
 Final Flow 15 Extra Recorder
 Final Shut-In 30 Day Standby
 Accessibility
 Sub Total 1163.75 Sub Total 0
 Total 1163.75 MP/DST Disc't

Approved By _____ Our Representative Brian Fairbank

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