

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

16 22s 33w Finney, Ks

PO Box 560
Eureka, Ks 67045

Graves #3

Job Ticket: 64372

DST#: 3

ATTN: Jon Christensen

Test Start: 2019.08.07 @ 10:10:00

GENERAL INFORMATION:

Formation: **St Louis B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:05:00

Time Test Ended: 15:50:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4658.00 ft (KB) To 4680.00 ft (KB) (TVD)**

Reference Elevations: 2882.00 ft (KB)

Total Depth: 4680.00 ft (KB) (TVD)

2871.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: **8522**

Inside

Press@RunDepth: 27.48 psig @ 4659.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.07

End Date: 2019.08.07

Last Calib.: 2019.08.07

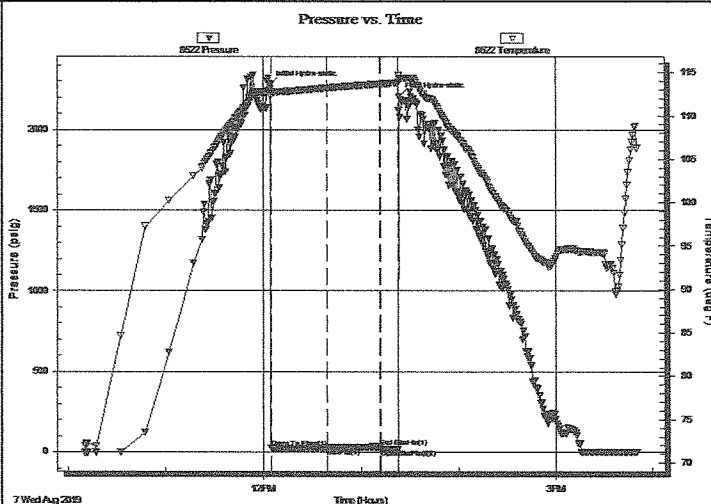
Start Time: 10:10:00

End Time: 15:50:30

Time On Btm: 2019.08.07 @ 12:04:15

Time Off Btm: 2019.08.07 @ 13:23:30

TEST COMMENT: 30- IF: Surface blow , Died @ 7 min.
30- ISI: No return.
10- FF No blow .
Pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.19	113.05	Initial Hydro-static
1	22.67	112.70	Open To Flow (1)
35	27.48	113.20	Shut-In(1)
67	34.15	113.69	End Shut-In(1)
68	19.90	113.67	Open To Flow (2)
79	19.37	113.82	Shut-In(2)
80	2206.20	114.27	Final Hydro-static

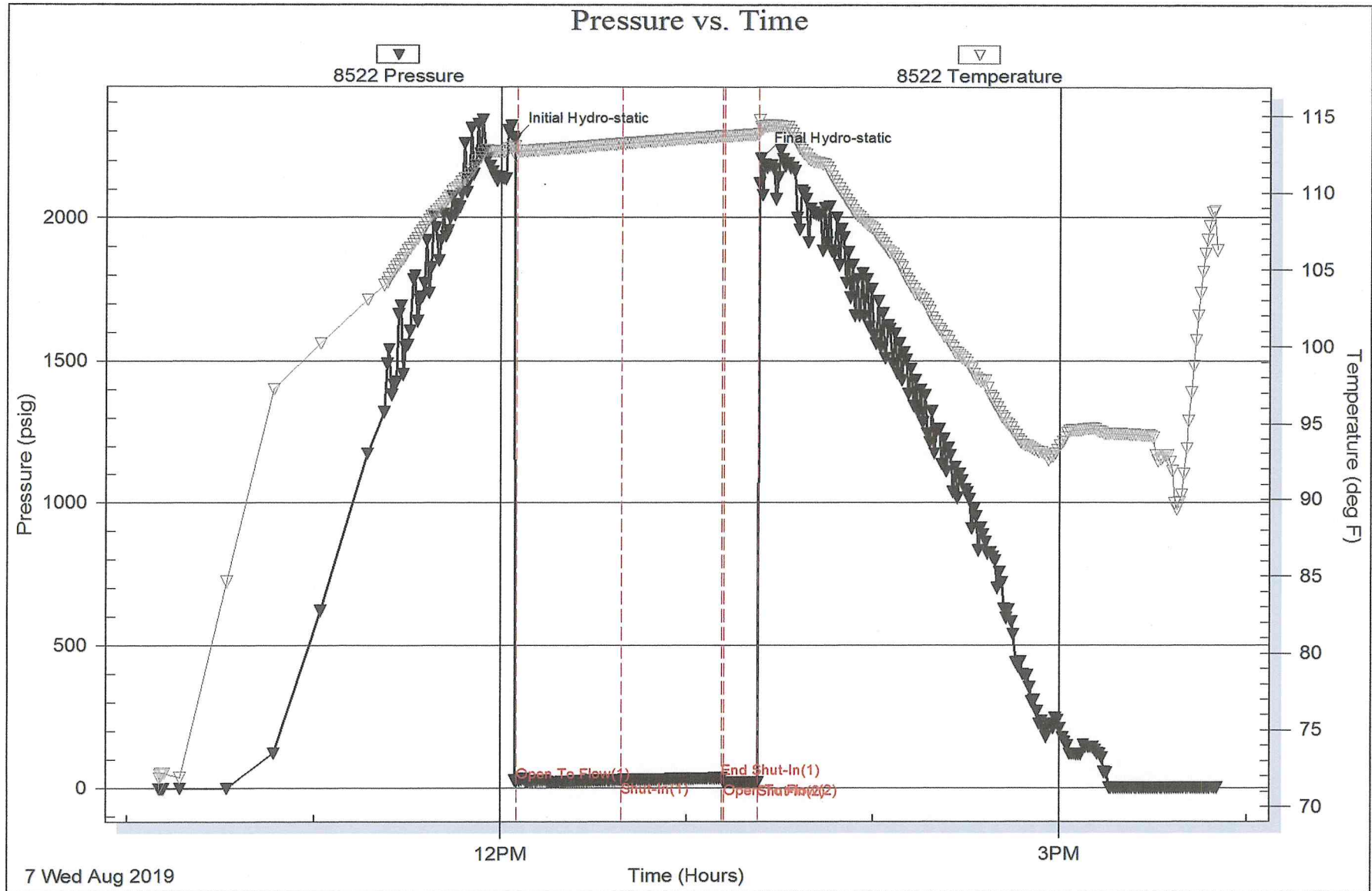
Recovery

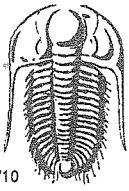
Length (ft)	Description	Volume (bbl)
4.00	mud 100m (oil spots)	0.02

* Recovery from multiple tests

Gas Rates

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





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64372

Well Name & No. Graves #3 Test No. 3 Date 8/07/2019
 Company Daystar Petroleum, Inc Elevation 2882 KB 2871 GL
 Address PO Box 560 Eureka, KS 67045
 Co. Rep / Geo. Jon Christensen Rig Modin 21
 Location: Sec. 16 Twp. 22s Rge. 33w Co. Finney State Ks

Interval Tested 4658 - 4680 Zone Tested St Louis B
 Anchor Length 22 Drill Pipe Run 4400 Mud Wt. 9.2
 Top Packer Depth 4653 Drill Collars Run 245 Vis SS
 Bottom Packer Depth 4658 Wt. Pipe Run Ø WL 8.0
 Total Depth 4680 Chlorides 3500 ppm System LCM 4#

Blow Description TF: Surface blow dial @ 7m
TST: No return
FF: No blow
FSI: Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	<u>MOP</u>			<u>100</u>	
	<u>oil spots</u>				

Rec Total 4 BHT 114 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2275</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>0930</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>1010</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>1210</u>
(D) Initial Shut-In <u>34</u>	<input checked="" type="checkbox"/> Circ Sub <u>No</u>	T-Pulled <u>1320</u>
(E) Second Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>1650</u>
(F) Second Final Flow <u>19</u>	<input checked="" type="checkbox"/> Mileage <u>60 RT</u>	Comments
(G) Final Shut-In <u>—</u>	<input checked="" type="checkbox"/> ^{EM} Sampler	
(H) Final Hydrostatic <u>2206</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total
Final Flow <u>10</u>	<input type="checkbox"/> Day Standby	Total
Final Shut-In <u>Pull</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total	

Approved By _____ Our Representative [Signature]

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