



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63599

Well Name & No. Culbreath Oil & Gas Comp. Inc Test No. 1 Date 5-21-18
 Company Kranawitter #1-27 Elevation ~~3011~~ 3011 KB 3011 GL
 Address 3501 S. Yale Ave Tulsa OK 74135
 Co. Rep / Geo. Larry Nicholson Rig Southwood 1
 Location: Sec. 27 Twp 14 Rge. 34 Co. Logan State KS

Interval Tested 4292-4334 Zone Tested Altomont
 Anchor Length 42 Drill Pipe Run 4278 Mud Wt. 9.3
 Top Packer Depth 4287 Drill Collars Run ∅ Vis 53
 Bottom Packer Depth 4292 WL Pipe Run ∅ WL 11.6
 Total Depth 4334 Chlorides 19500 ppm System LCM 1
 Blow Description IF: Boiled to 1/8" Dred to weak surface Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
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Rec Total 15 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2225</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>21:40</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>23:18</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>01:06</u>
(D) Initial Shut-In <u>211</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>03:36</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>05:08</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>64RT</u>	Comments _____
(G) Final Shut-In <u>62</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2071</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	Sub Total _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total _____
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total _____	

Approved By [Signature] Our Representative Mike Bolots

TriLOBITE TESTING INC. shall not be liable for damages 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.

DRILL STEM TEST REPORT

Culbreath Oil And Gas Comp.Inc.

27-14-34 Logan Co KS

3501 S.Yale Ave
Tulsa OK
74135
ATTN: Larry Nicholson

Krannawitter 1-27

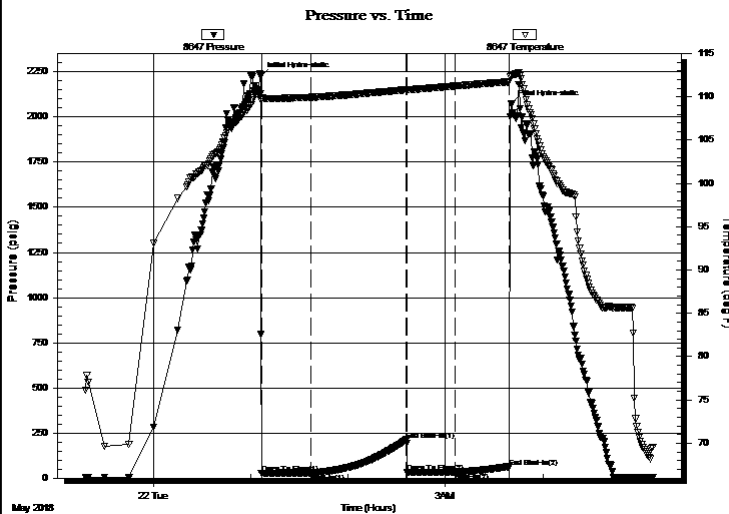
Job Ticket: 63599 **DST#: 1**
Test Start: 2018.05.21 @ 23:18:15

GENERAL INFORMATION:

Formation: **Altamont**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:06:30
 Time Test Ended: 05:08:00
 Interval: **4292.00 ft (KB) To 4334.00 ft (KB) (TVD)**
 Total Depth: 4334.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 3016.00 ft (KB)
 3011.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8647 Inside
 Press@RunDepth: 31.93 psig @ 4293.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.21 End Date: 2018.05.22 Last Calib.: 2018.05.22
 Start Time: 23:18:15 End Time: 05:08:00 Time On Btm: 2018.05.22 @ 01:06:00
 Time Off Btm: 2018.05.22 @ 03:40:45

TEST COMMENT: IF:Built to 1/8" blow and died to weak surface blow
 IS:No return blow
 FF:No blow
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2225.92	110.40	Initial Hydro-static
1	27.60	109.76	Open To Flow (1)
31	29.04	109.94	Shut-In(1)
90	211.84	110.82	End Shut-In(1)
91	31.13	110.78	Open To Flow (2)
120	31.93	111.24	Shut-In(2)
154	62.53	111.72	End Shut-In(2)
155	2071.00	112.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.21

Gas Rates

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



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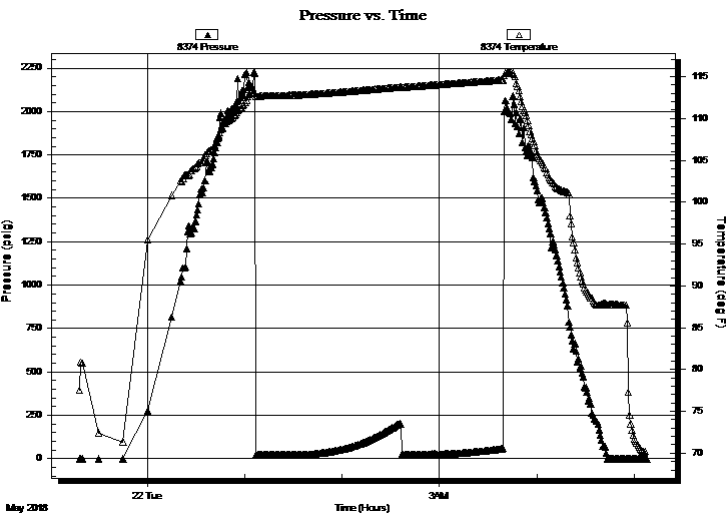
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 3011.00 ft (CF)
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Serial #: 8374 Outside

Press@RunDepth: psig @ 4293.00 ft (KB) Capacity: 8000.00 psig
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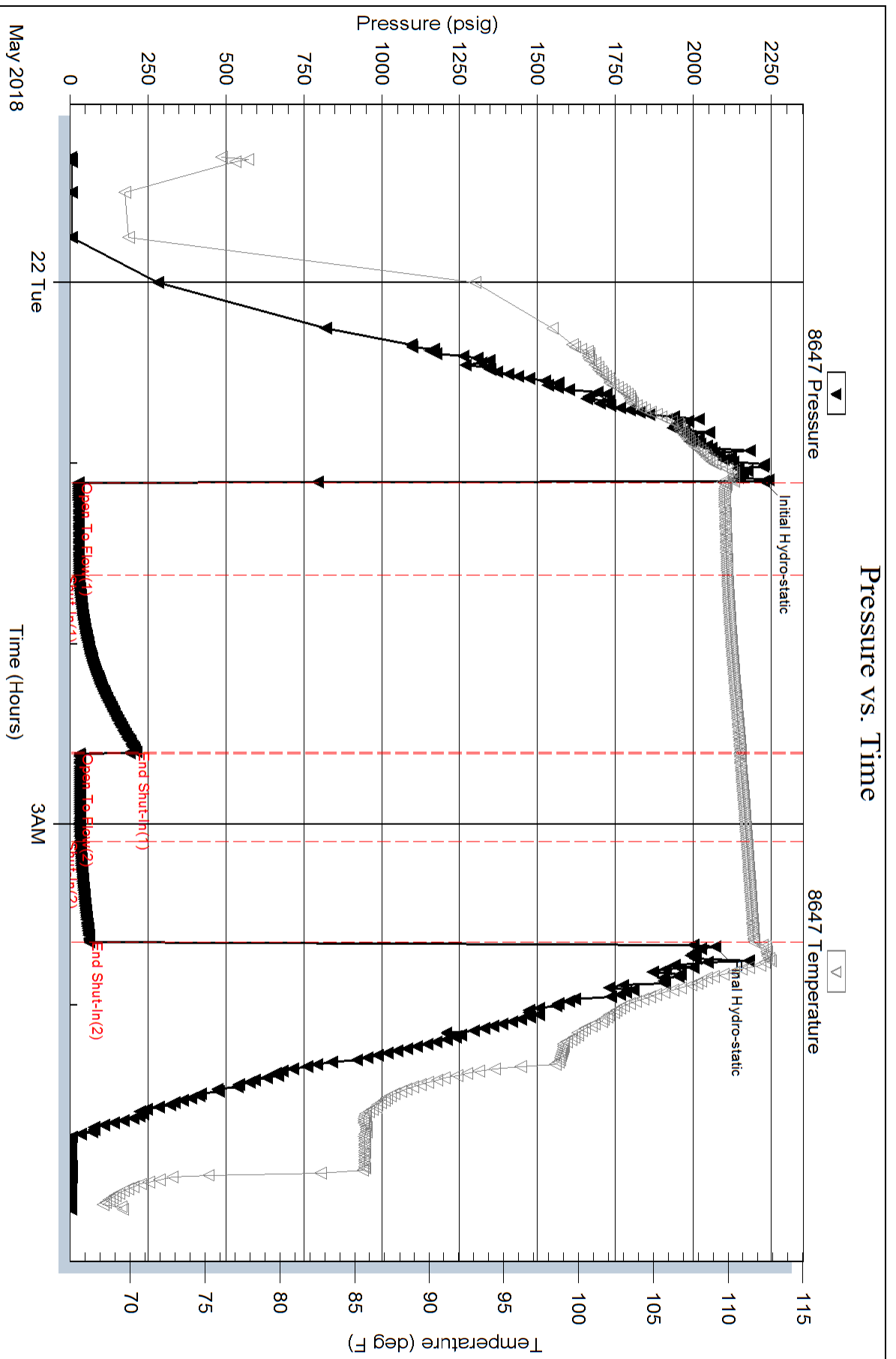
Serial #: 8647

Inside

Culbreath Oil And Gas Comp. Inc.

Kranawiter 1-27

DST Test Number: 1



Serial #: 8374

Outside

Culbreath Oil And Gas Comp. Inc.

Kranawitter 1-27

DST Test Number: 1

