



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Fossil Resources, LLC

111 W. 38th. ST
Hays KS 67601

ATTN: Lyle Herrman

3-13-36w Logan Co KS

Plummer Family Trust

Job Ticket: 64232

DST#: 1

Test Start: 2017.10.17 @ 15:40:15

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:45:30

Time Test Ended: 21:54:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: **3863.00 ft (KB) To 3887.00 ft (KB) (TVD)**

Total Depth: 3887.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3008.00 ft (KB)

3002.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: **6749** Outside

Press@RunDepth: 28.22 psig @ 3864.00 ft (KB)

Start Date: 2017.10.17

End Date:

2017.10.17

Start Time: 15:40:15

End Time:

21:54:45

Capacity: 8000.00 psig

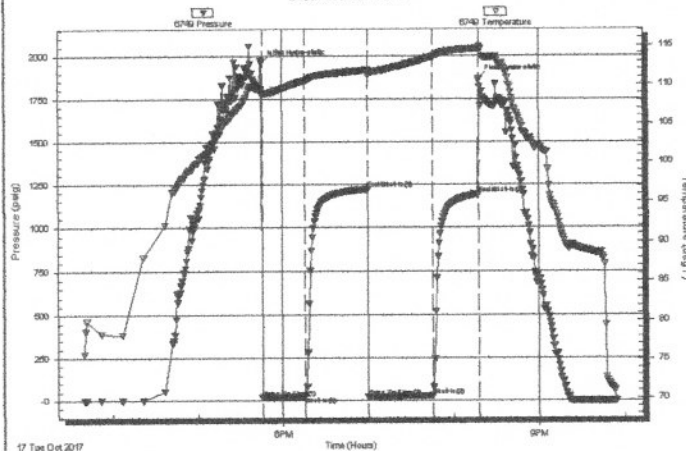
Last Calib.: 2017.10.17

Time On Btm: 2017.10.17 @ 17:45:15

Time Off Btm: 2017.10.17 @ 20:18:00

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

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.40	109.34	Initial Hydro-static
1	17.86	108.68	Open To Flow (1)
31	20.66	110.47	Shut-in(1)
75	1218.97	111.87	End Shut-in(1)
75	22.40	111.23	Open To Flow (2)
120	28.22	113.54	Shut-in(2)
153	1190.20	114.56	End Shut-in(2)
153	1863.74	114.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud with oil spots	0.42

* Recovery from multiple tests

Gas Rates

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

Serial #: 6749

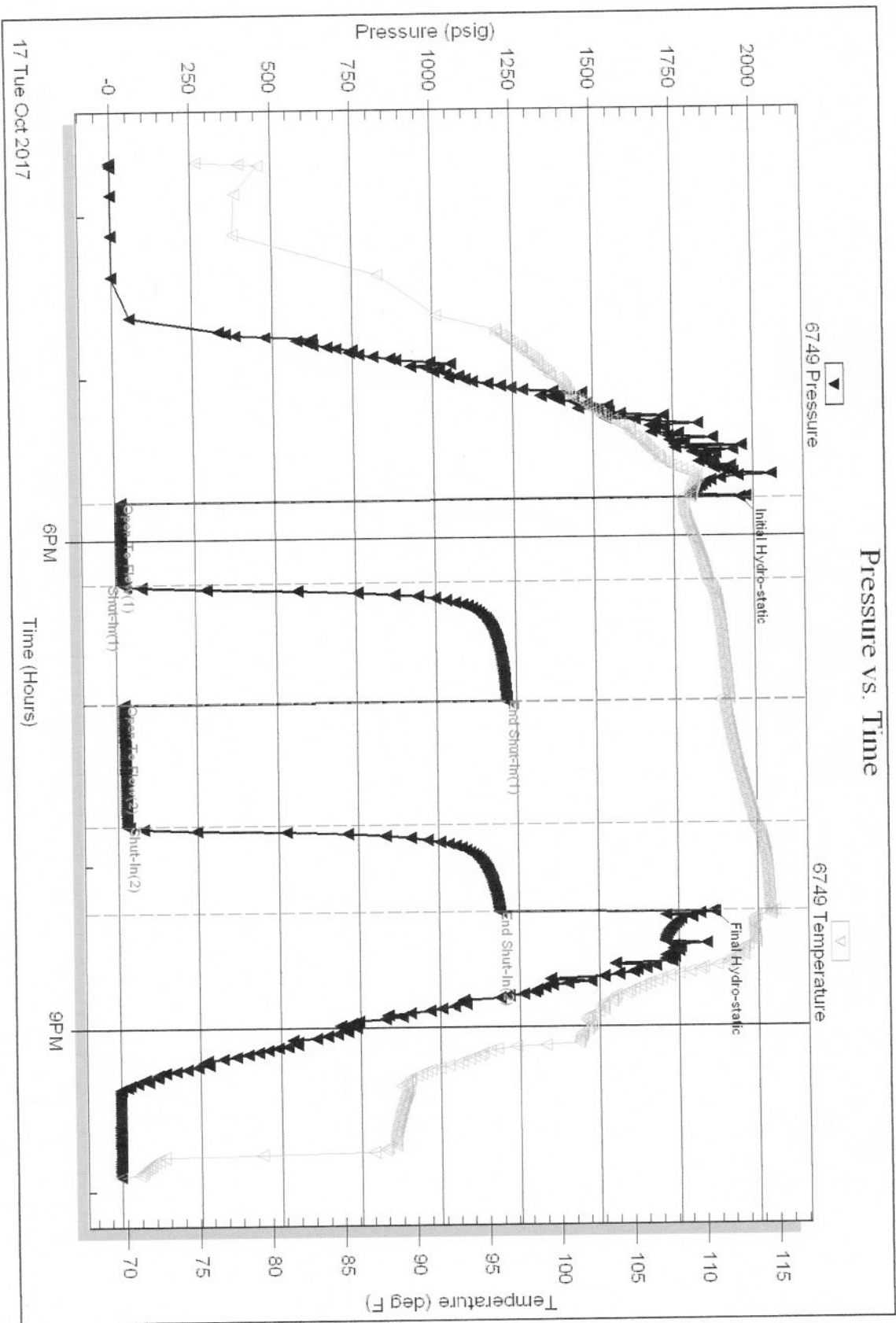
Outside

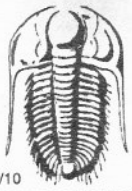
Fossil Resources, LLC

Plummer Family Trust

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64232

Well Name & No. Plummer Family Trust #1 Test No. 1 Date 10-17-17
 Company Fossil Resources LLC Elevation 3008 KB 3002 GL
 Address 111 W 38th St Hays KS 67601
 Co. Rep / Geo. Lyle Herman Rig Royal 1
 Location: Sec. 3 Twp. 13 Rge. 36W Co. Logan State KS

Interval Tested 3863-3887 Zone Tested KC
 Anchor Length 24 Drill Pipe Run 3874 Mud Wt. 8.4
 Top Packer Depth 3858 Drill Collars Run Ø Vis 40
 Bottom Packer Depth 3863 Wt. Pipe Run _____ WL 9.2
 Total Depth 3887 Chlorides 8000 ppm System LCM 3
 Blow Description IF: Built to 1/8" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

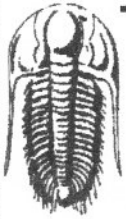
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>MUD with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 115 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic _____	<input checked="" type="checkbox"/> Test <u>\$ 1050.00/-</u>	T-On Location <u>13:55</u>
(B) First Initial Flow _____	<input checked="" type="checkbox"/> Jars <u>\$ 250.00/-</u>	T-Started <u>15:40</u>
(C) First Final Flow _____	<input checked="" type="checkbox"/> Safety Joint <u>\$ 75.00/-</u>	T-Open <u>17:45</u>
(D) Initial Shut-In _____	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>20:15</u>
(E) Second Initial Flow _____	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:45</u>
(F) Second Final Flow _____	<input checked="" type="checkbox"/> Mileage <u>RT=126 #94.50/-</u>	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic _____	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>\$250.00/-</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby _____	Total _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>\$1719.50/-</u>	

Approved By _____ Our Representative Mike Roberts

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.**

DRILL STEM TEST REPORT

Fossil Resources, LLC

111 W. 38th. ST
Hays KS 67601

ATTN: Lyle Herrman

3-13-36w Logan Co KS

Plummer Family Trust

Job Ticket: 64233

DST#: 2

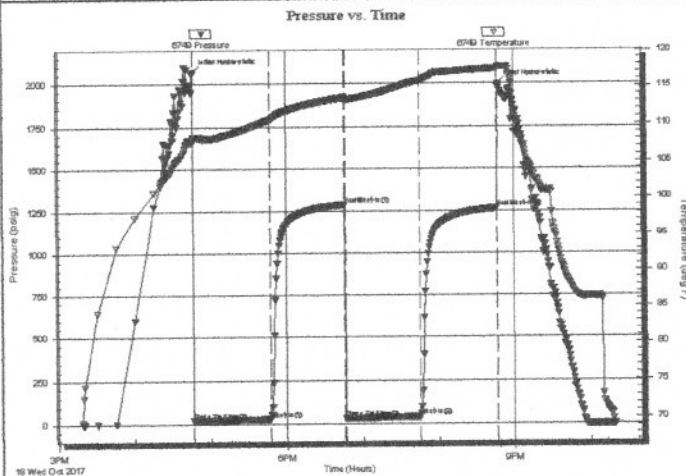
Test Start: 2017.10.18 @ 15:19:15

GENERAL INFORMATION:

Formation: I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:47:00
 Time Test Ended: 22:19:15
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Interval: 4033.00 ft (KB) To 4060.00 ft (KB) (TVD)
 Total Depth: 4060.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 3008.00 ft (KB)
 3002.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 6749 Outside
 Press@RunDepth: 41.46 psig @ 4034.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.10.18 End Date: 2017.10.18 Last Calib.: 2017.10.18
 Start Time: 15:19:15 End Time: 22:19:15 Time On Btm: 2017.10.18 @ 16:46:45
 Time Off Btm: 2017.10.18 @ 20:47:15

TEST COMMENT: IF: Built to 1" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.11	108.18	Initial Hydro-static
1	19.62	107.71	Open To Flow (1)
61	29.83	110.57	Shut-In(1)
120	1290.34	113.49	End Shut-In(1)
120	31.16	112.87	Open To Flow (2)
179	41.46	115.77	Shut-In(2)
240	1268.26	117.41	End Shut-In(2)
241	1991.65	117.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud with oil spots	0.70

* Recovery from multiple tests

Gas Rates

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

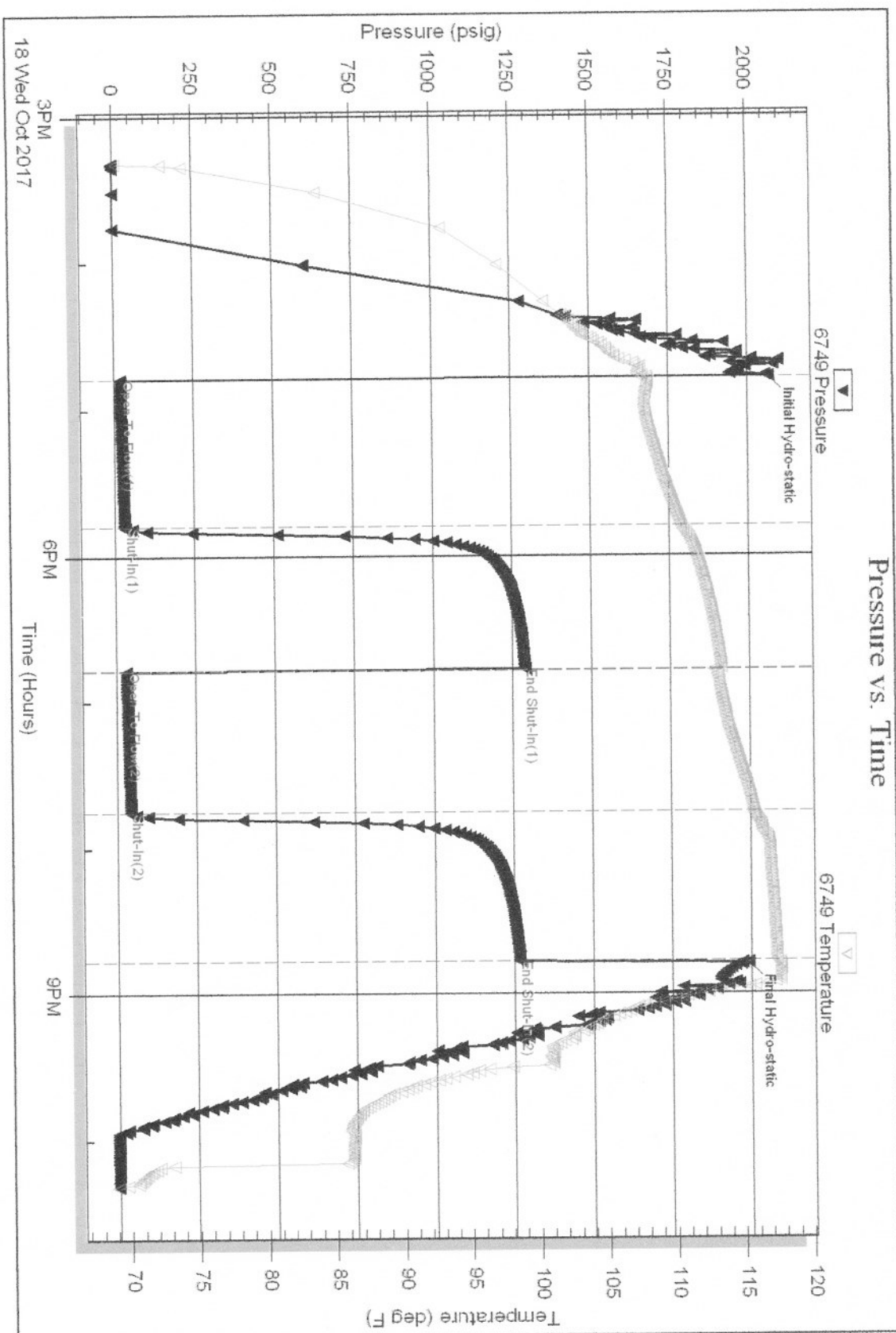
Serial #: 6749

Outside

Fossil Resources, LLC

Flummer Family Trust

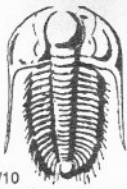
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 64233

Printed: 2017.10.18 @ 22:31:49



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

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Test Ticket

NO. 64233

Well Name & No. Plummer Family Trust 1 Test No. 2 Date 10-18-17
 Company Fossil Resources LLC Elevation 3008 KB 3002 GL
 Address 111 W. 38th St. Hays KS 67601
 Co. Rep / Geo. Lyle Herrman Rig Royal 1
 Location: Sec. 3 Twp. 13 Rge. 36W Co. Logan State KS

Interval Tested 4033-4060 Zone Tested I
 Anchor Length 27 Drill Pipe Run 4034 Mud Wt. 8.9
 Top Packer Depth 4028 Drill Collars Run ∅ Vis 65
 Bottom Packer Depth 4033 Wt. Pipe Run ∅ WL 12.2
 Total Depth 4060 Chlorides 17000 ppm System LCM 2
 Blow Description IF: Built to 1" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>mud with oil spots</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 50 BHT 118 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2066 Test \$1150.00/- T-On Location 15:05
 (B) First Initial Flow 19 Jars \$250.00/- T-Started 15:19
 (C) First Final Flow 29 Safety Joint \$75.00/- T-Open 16:46
 (D) Initial Shut-In 1290 Circ Sub NC T-Pulled 20:46
 (E) Second Initial Flow 31 Hourly Standby — T-Out 22:19
 (F) Second Final Flow 41 Mileage 126 RT = \$94.50/- Comments —
 (G) Final Shut-In 1268 Sampler —
 (H) Final Hydrostatic 1991 Straddle — Ruined Shale Packer —
 Shale Packer \$250.00/- Ruined Packer —
 Initial Open 60 Extra Packer — Extra Copies —
 Initial Shut-In 60 Extra Recorder — Sub Total —
 Final Flow 60 Day Standby — Total —
 Final Shut-In 60 Accessibility — MP/DST Disc't —
 Sub Total \$1819.50/-

Approved By [Signature]

Our Representative Mike Bokut

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.

DRILL STEM TEST REPORT

Fossil Resources, LLC

111 W. 38th. ST
Hays KS 67601

ATTN: Lyle Herrman

3-13-36w Logan Co KS

Plummer Family Trust

Job Ticket: 64234

DST#: 3

Test Start: 2017.10.19 @ 12:10:15

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:53:15

Time Test Ended: 18:23:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: **4158.00 ft (KB) To 4180.00 ft (KB) (TVD)**

Total Depth: 4180.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3008.00 ft (KB)

3002.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6749

Outside

Press@RunDepth: 41.87 psig @ 4159.00 ft (KB)

Start Date: 2017.10.19

End Date: 2017.10.19

Start Time: 12:10:15

End Time: 18:23:45

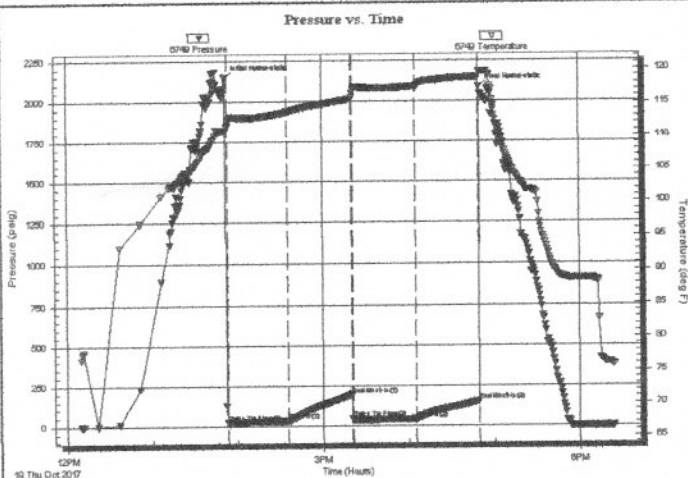
Capacity: 8000.00 psig

Last Calib.: 2017.10.19

Time On Btm: 2017.10.19 @ 13:51:45

Time Off Btm: 2017.10.19 @ 16:50:00

TEST COMMENT: IF: Built to 5" blow
IS: No return blow
FF: Built to 3" blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.28	110.88	Initial Hydro-static
2	23.36	111.40	Open To Flow (1)
44	32.43	113.60	Shut-In(1)
89	193.25	115.49	End Shut-In(1)
89	44.40	115.71	Open To Flow (2)
134	41.87	117.41	Shut-In(2)
178	153.46	118.75	End Shut-In(2)
179	2081.31	119.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	free oil 100% o	0.21
52.00	ocm 5%o 95%m	0.73

* Recovery from multiple tests

Gas Rates

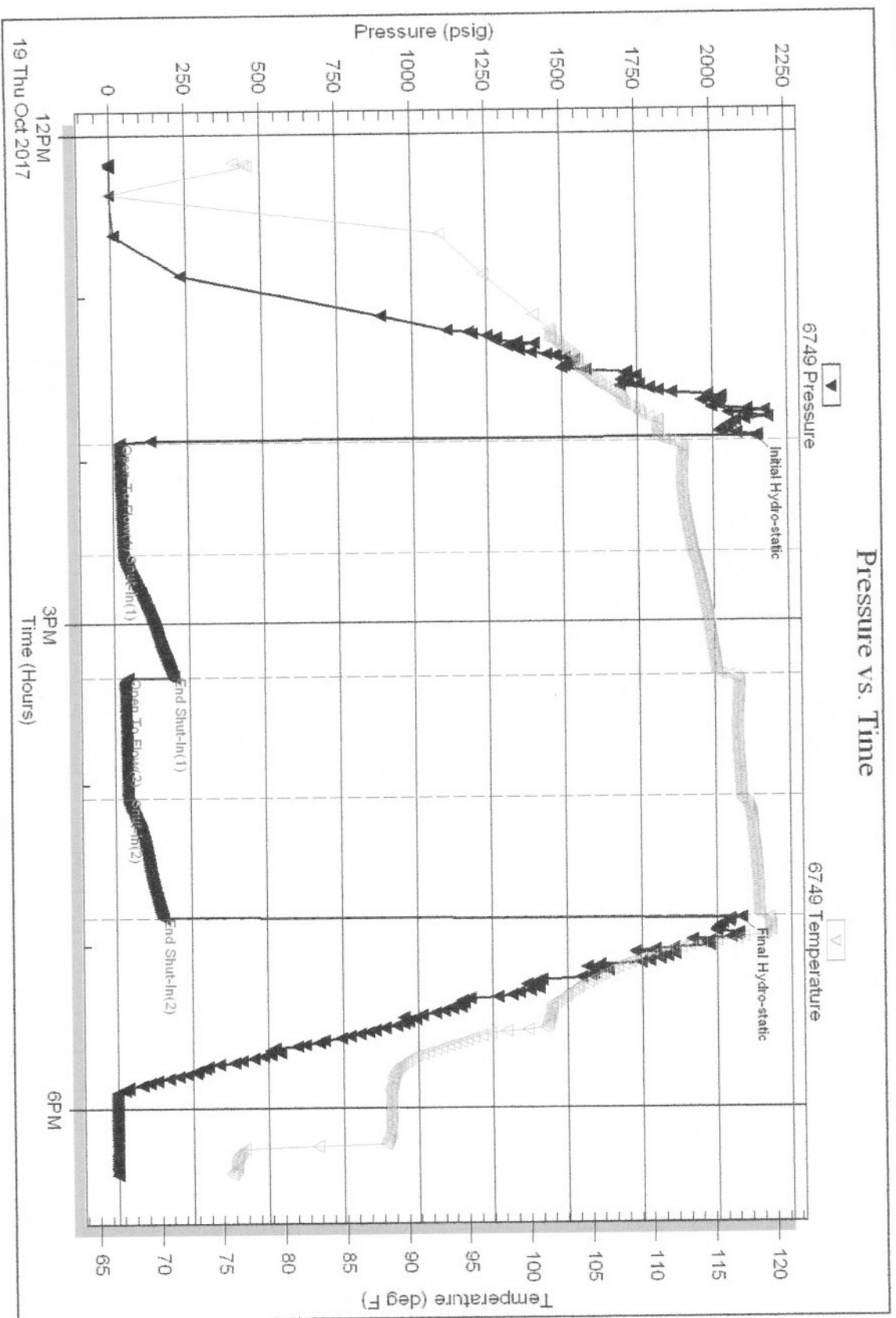
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 6749

Outside Fossil Resources, LLC

Rummer Family Trust

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

307

Test Ticket

NO. 64234

Well Name & No. Plummer Family Trust Test No. 3 Date 10-19-17
 Company Fossil Resources LLC Elevation 3008 KB 3002 GL
 Address 111 W. 38th St. Hays KS 67601
 Co. Rep / Geo. Lyle Herrman Rig Royal
 Location: Sec. 3 Twp. 13 Rge. 36w Co. Logan State KS

Interval Tested 4158 - 4180 Zone Tested Pleasanton
 Anchor Length 22 Drill Pipe Run 4164 Mud Wt. 8.8
 Top Packer Depth 4153 Drill Collars Run Ø Vis 54
 Bottom Packer Depth 4158 Wt. Pipe Run Ø WL 13.2
 Total Depth 4180 Chlorides 18000 ppm System LCM 2
 Blow Description IF: Built to 5" Blow
IS: No Return Blow
FF: Built to 3" Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Free Oil</u>	<u>100</u>			
<u>52</u>	<u>OCM</u>	<u>5</u>		<u>95</u>	

Rec Total 77 BHT 119 Gravity 26 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2141 Test \$1150.00/- T-On Location 12:00
 (B) First Initial Flow 23 Jars \$250.00/- T-Started 12:10
 (C) First Final Flow 32 Safety Joint \$75.00/- T-Open 13:50
 (D) Initial Shut-In 193 Circ Sub NC T-Pulled 16:50
 (E) Second Initial Flow 44 Hourly Standby — T-Out 18:23
 (F) Second Final Flow 91 Mileage 126 RT = \$94.50/- Comments —
 (G) Final Shut-In 153 Sampler —
 (H) Final Hydrostatic 2081 Straddle — Ruined Shale Packer —
 Shale Packer \$250.00/- Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total —
 Day Standby — Total —
 Accessibility — MP/DST Disc't —
 Sub Total —

Approved By _____ Our Representative Mike Roberts
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