DRILL STEM TEST REPORT

Richland Oil Investments

608 E 1st
Palco, Ks 67657

ATTN: Steve Murphy

22-12-33 Logan, KS

Moore 22-2

Job Ticket: 63781 **DST#: 2**

Test Start: 2017.04.01 @ 21:33:51

GENERAL INFORMATION:

Formation: **Lansing E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:44:21
Time Test Ended: 04:26:21

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 4122.00 ft (KB) To 4142.00 ft (KB) (TVD)
Total Depth: 4142.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

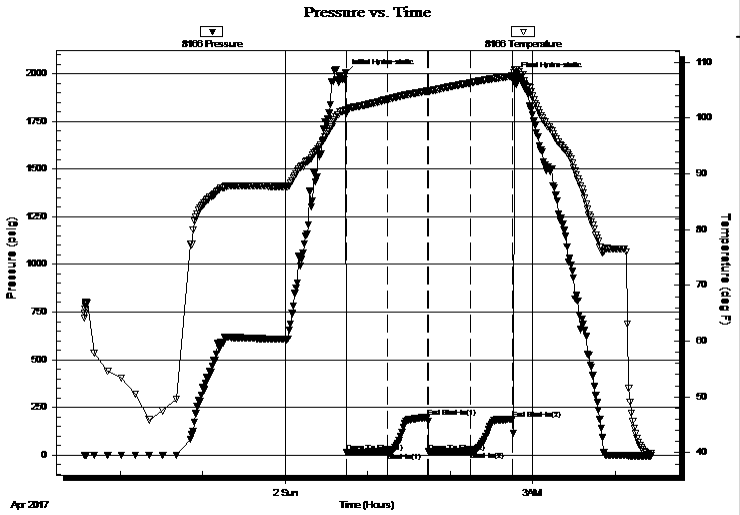
Reference Elevations: 3114.00 ft (KB)
3104.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8166 **Outside**

Press@RunDepth: 17.05 psig @ 4123.00 ft (KB)
Start Date: 2017.04.01 End Date: 2017.04.02
Start Time: 21:33:56 End Time: 04:26:20

Capacity: 8000.00 psig
Last Calib.: 2017.04.02
Time On Btm: 2017.04.02 @ 00:43:51
Time Off Btm: 2017.04.02 @ 02:46:21

TEST COMMENT: IF: Surface blow built to 1/2.
IS: No return.
FF: Surface blow built to 1/4.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.11	101.44	Initial Hydro-static
1	15.41	100.79	Open To Flow (1)
31	16.18	103.37	Shut-In(1)
60	197.82	104.84	End Shut-In(1)
61	16.46	104.83	Open To Flow (2)
91	17.05	106.32	Shut-In(2)
122	187.36	107.53	End Shut-In(2)
123	1987.62	108.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.28

* Recovery from multiple tests

Gas Rates

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

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TRILOBITE TESTING, INC.

Richland Oil Investments

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Palco, Ks 67657

ATTN: Steve Murphy

22-12-33 Logan, KS

Moore 22-2

Job Ticket: 63781 **DST#: 2**

Test Start: 2017.04.01 @ 21:33:51

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Deviated: No Whipstock: ft (KB)
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Time Test Ended: 04:26:21

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 4122.00 ft (KB) To 4142.00 ft (KB) (TVD)
Total Depth: 4142.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

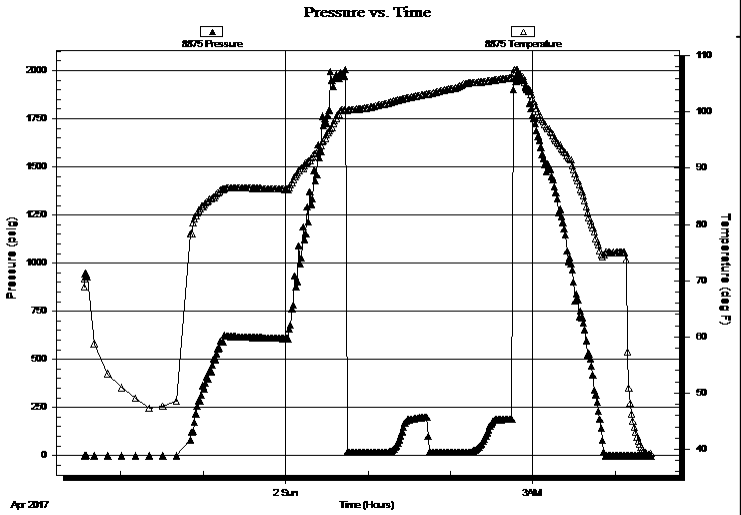
Reference Elevations: 3114.00 ft (KB)
3104.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: psig @ 4123.00 ft (KB)
Start Date: 2017.04.01 End Date: 2017.04.02
Start Time: 21:33:47 End Time: 04:26:11

Capacity: 8000.00 psig
Last Calib.: 2017.04.02
Time On Btm:
Time Off Btm:

TEST COMMENT:
IF: Surface blow built to 1/2.
IS: No return.
FF: Surface blow built to 1/4.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

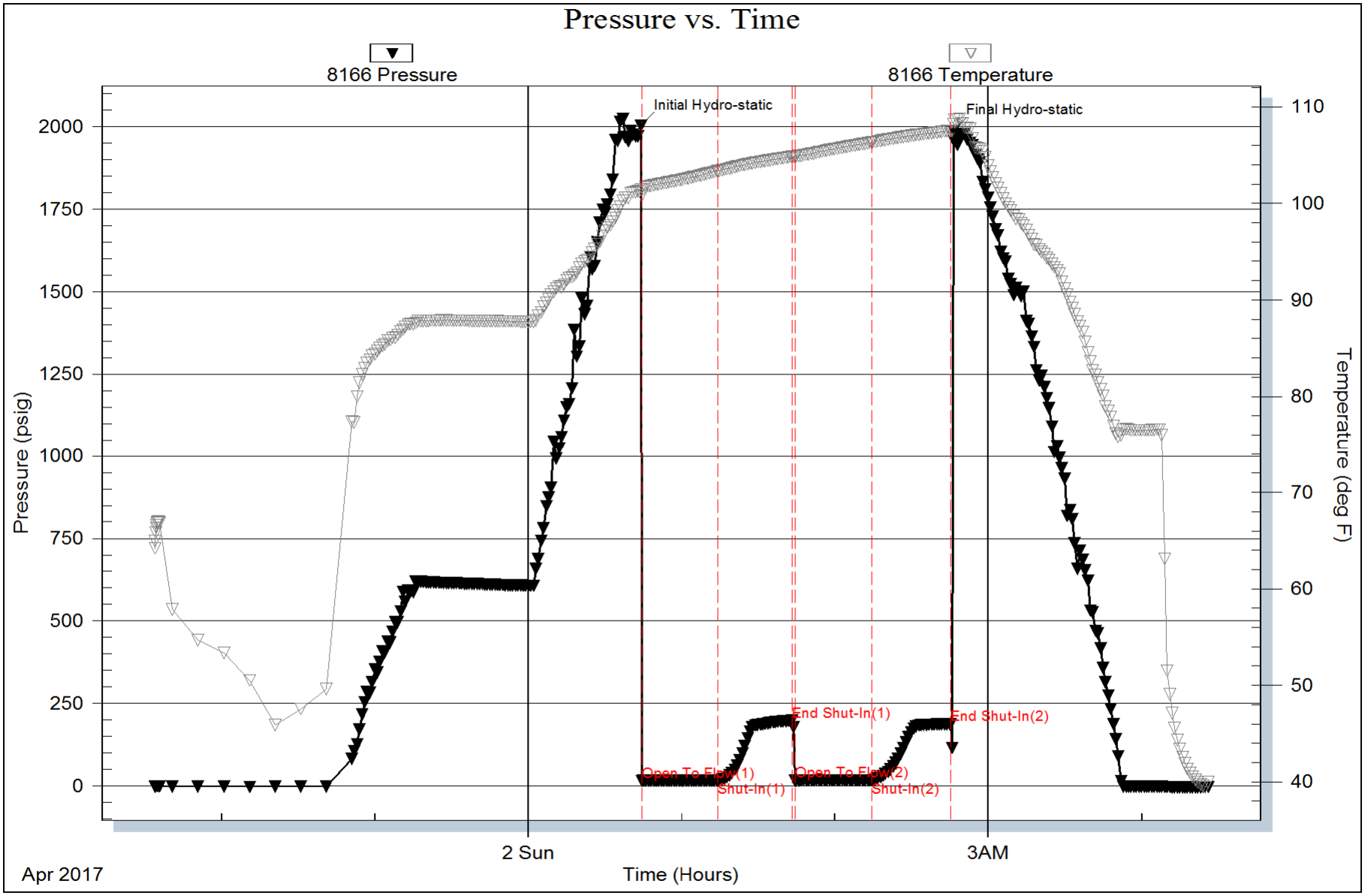
Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.28

* Recovery from multiple tests

Gas Rates

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

Serial #: 8166 **Outside** Richland Oil Investments Moore 22-2 DST Test Number: 2



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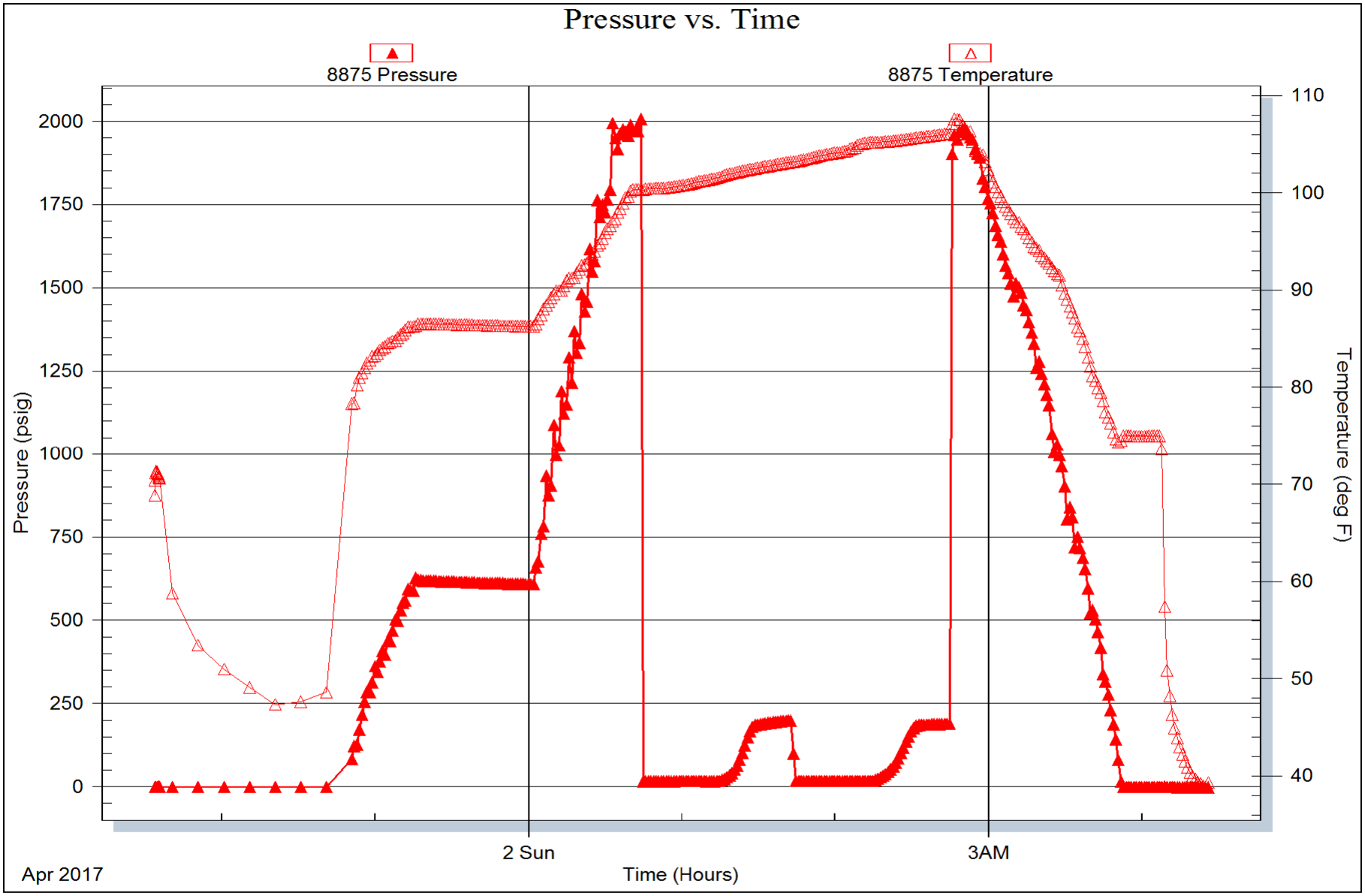
Serial #: 8875 **Inside** Richland Oil Investments Moore 22-2 DST Test Number: 2



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