



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

28-16s-34w Scott Co, KS

202 W Main ST
Salem IL, 62881-1519

Blakey 1-28

Job Ticket: 61595

DST#: 5

ATTN: Tim Priest

Test Start: 2015.08.01 @ 06:15:00

GENERAL INFORMATION:

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:45

Time Test Ended: 13:04:30

Test Type: Conventional Straddle (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4716.00 ft (KB) To 4748.00 ft (KB) (TVD)

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4910.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 46.70 psig @ 4717.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.01

End Date: 2015.08.01

Last Calib.: 2015.08.01

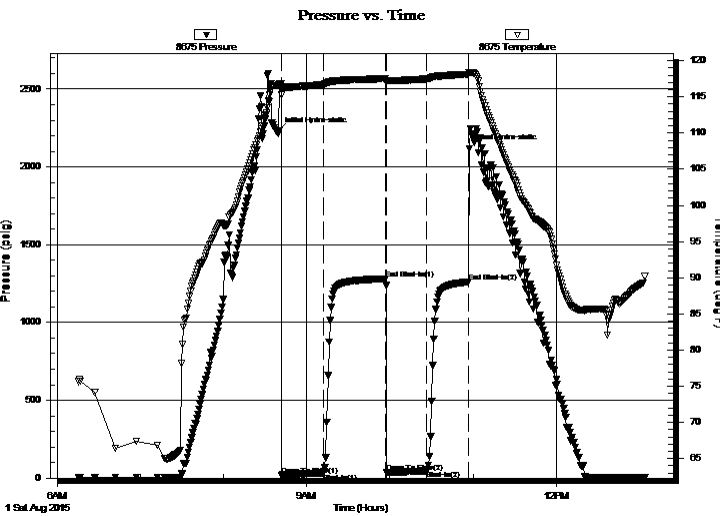
Start Time: 06:15:15

End Time: 13:04:30

Time On Btm: 2015.08.01 @ 08:39:45

Time Off Btm: 2015.08.01 @ 10:57:15

TEST COMMENT: Built to 1" blow
No return blow
No blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.87	116.58	Initial Hydro-static
2	20.33	115.25	Open To Flow (1)
32	33.83	116.72	Shut-In(1)
78	1281.85	117.53	End Shut-In(1)
78	35.89	117.02	Open To Flow (2)
107	46.70	117.48	Shut-In(2)
137	1260.52	118.12	End Shut-In(2)
138	2114.95	118.39	Final Hydro-static

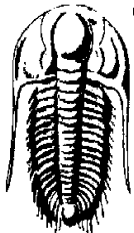
Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% Mud with oil spots	0.30

Gas Rates

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

* Recovery from multiple tests



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Tester: Jace McKinney

Unit No: 75

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Total Depth: 4910.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3150.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8650** Outside

Press @ Run Depth: psig @ 4717.00 ft (KB)

Start Date: 2015.08.01

End Date: 2015.08.01

Capacity: 8000.00 psig

Last Calib.: 2015.08.01

Start Time: 06:15:15

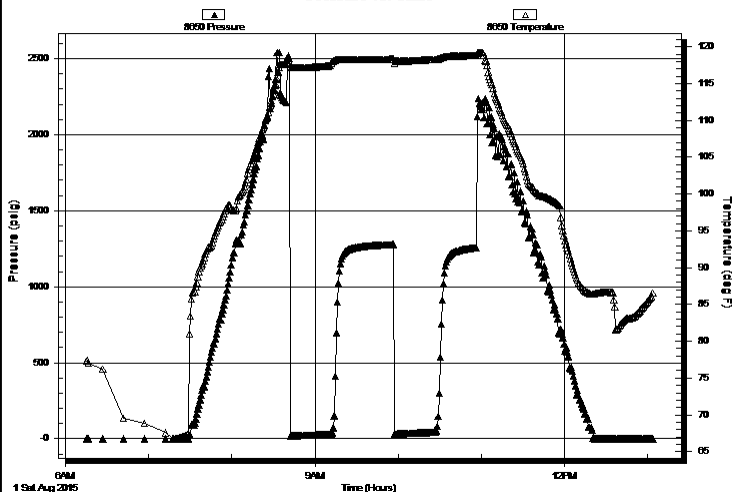
End Time: 13:04:00

Time On Btm:

Time Off Btm:

TEST COMMENT: Built to 1" blow
No return blow
No blow
No return blow

Pressure vs. Time



PRESSURE SUMMARY

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

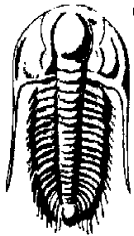
Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% Mud w ith oil spots	0.30

Gas Rates

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

* Recovery from multiple tests



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Blakey 1-28

Job Ticket: 61595

DST#: 5

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Total Depth: 4910.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3150.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6672 Below (Straddle)

Press @ Run Depth: psig @ 4907.00 ft (KB)

Start Date: 2015.08.01

End Date: 2015.08.01

Start Time: 06:20:45

End Time: 12:17:15

Capacity: 8000.00 psig

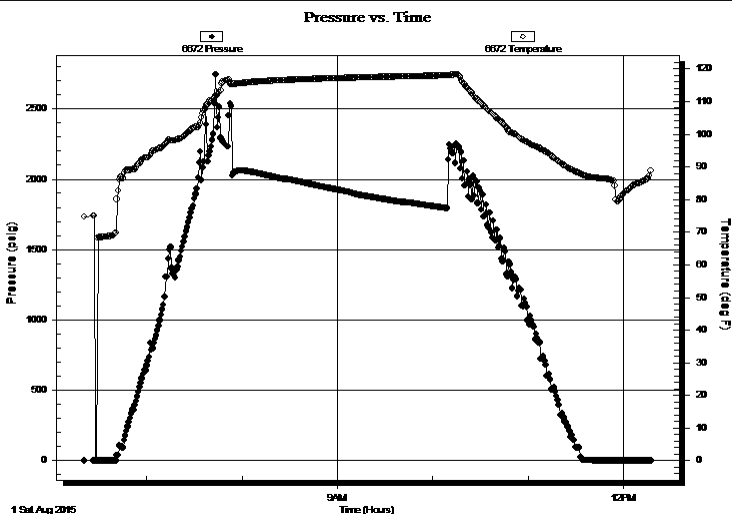
Last Calib.: 2015.08.01

Time On Btm:

Time Off Btm:

TEST COMMENT: Built to 1" blow
No return blow
No blow
No return blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% Mud w ith oil spots	0.30

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

Shakespeare Oil Company, Inc.

28-16s-34w Scott Co, KS

202 W Main ST
Salem IL, 62881-1519

Blakey 1-28

Job Ticket: 61595

DST#: 5

ATTN: Tim Priest

Test Start: 2015.08.01 @ 06:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100% Mud with oil spots	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

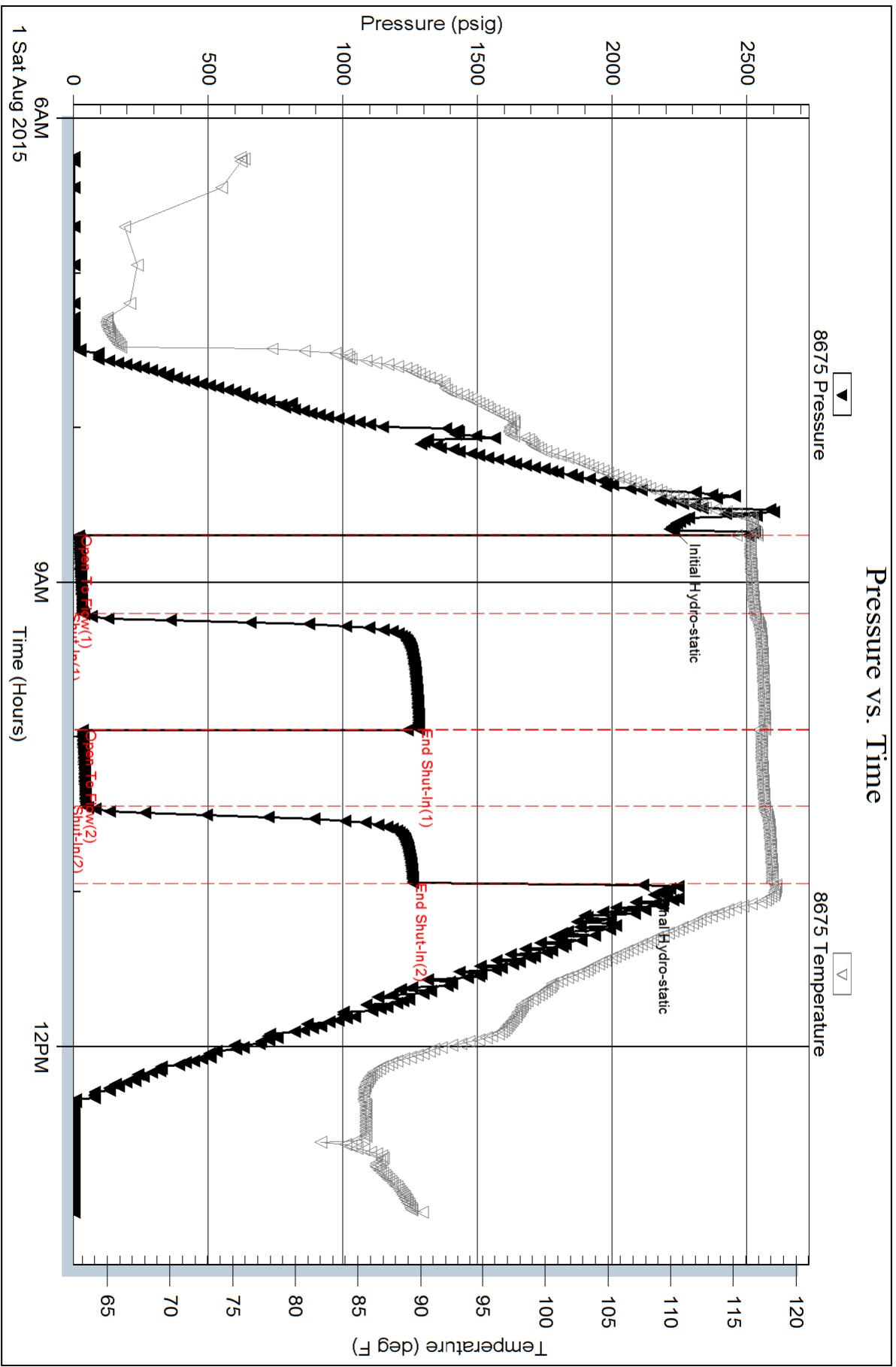
Serial #: 8675

Inside

Shakespeare Oil Company, Inc.

Blakey 1-28

DST Test Number: 5

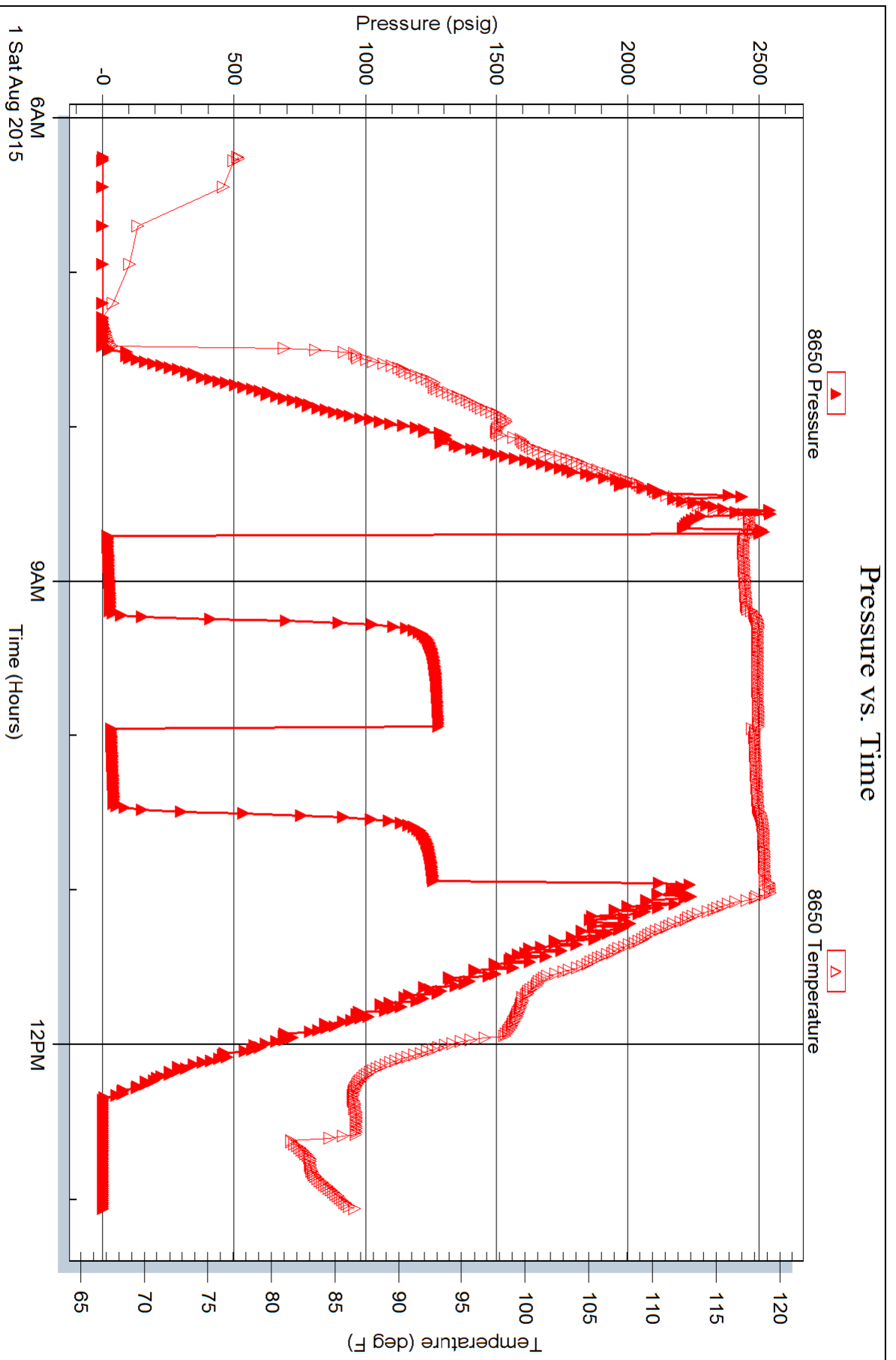


Serial #: 8650

Outside Shakespeare Oil Company, Inc.

Blakey 1-28

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 61595

Printed: 2015.08.01 @ 16:15:01

