



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

23-17s-33w Scott Co. KS

202 W. Main St.
Salem IL 62881

Rudolph #1-23

Job Ticket: 58677

DST#: 1

ATTN: Tim Priest

Test Start: 2014.12.03 @ 17:30:00

GENERAL INFORMATION:

Formation: **LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:39:40

Time Test Ended: 03:30:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 71

Interval: 4007.00 ft (KB) To 4027.00 ft (KB) (TVD)

Total Depth: 4027.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3026.00 ft (KB)

3016.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press@RunDepth: 47.97 psig @ 4008.00 ft (KB)

Start Date: 2014.12.03

End Date:

2014.12.04

Start Time: 17:30:00

End Time:

03:30:25

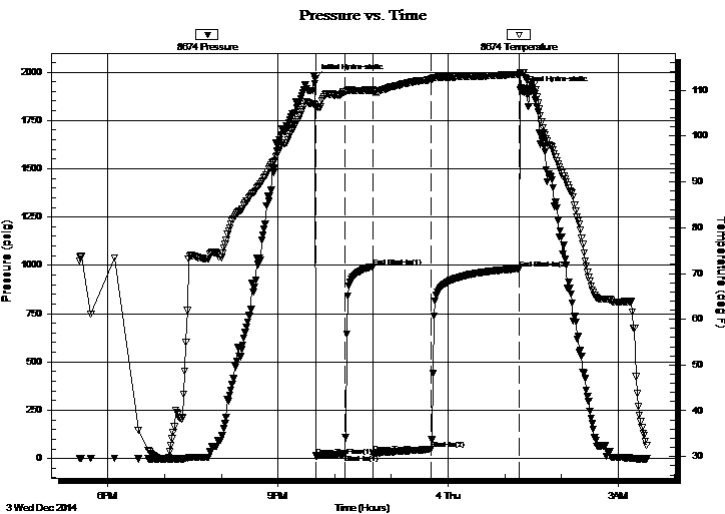
Capacity: 8000.00 psig

Last Calib.: 2014.12.04

Time On Btm: 2014.12.03 @ 21:39:25

Time Off Btm: 2014.12.04 @ 01:16:09

TEST COMMENT: IF- Weak Surface Blow Built to 1"
IS- No Blow
FF- Weak Surface Blow Built to 3/4"
FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1968.37	106.85	Initial Hydro-static
1	13.52	106.22	Open To Flow (1)
31	24.04	109.58	Shut-In(1)
61	993.07	110.08	End Shut-In(1)
61	27.15	109.57	Open To Flow (2)
123	47.97	112.38	Shut-In(2)
216	982.83	113.50	End Shut-In(2)
217	1906.36	113.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	WCM 47%w 53%w with a Few Oil Spt0.30	
15.00	WCM 24%w 76%w with a Few Oil Spt0.07	

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Tim Priest

Test Start: 2014.12.03 @ 17:30:00

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:

28000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
62.00	WCM 47%w 53%m with a Few Oil Spots	0.305
15.00	WCM 24%w 76%m with a Few Oil Spots	0.074

Total Length: 77.00 ft Total Volume: 0.379 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .481 @ 34f = 28000

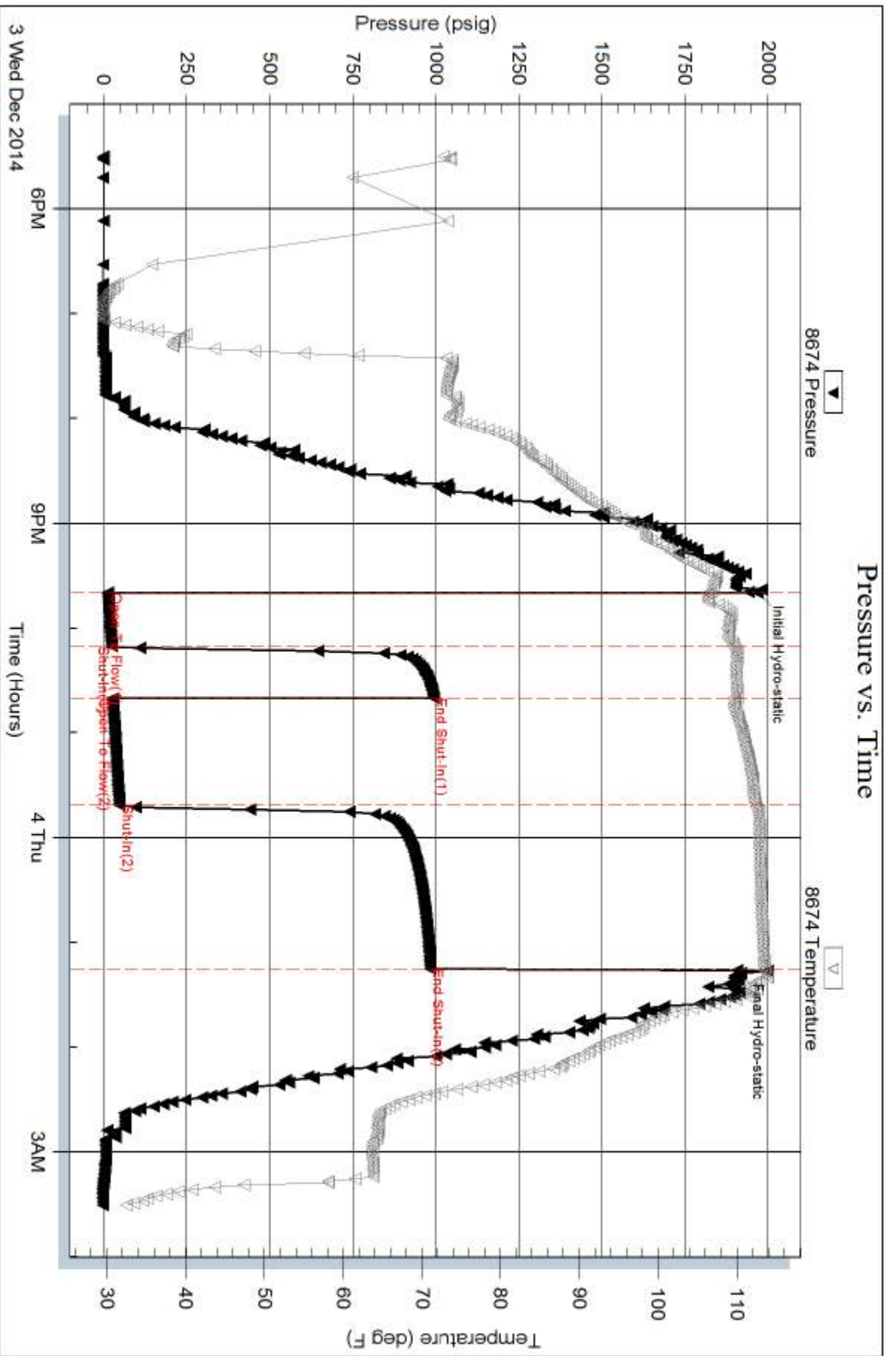
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Rudolph #1-23

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58677

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