



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

28-16s-34w Scott Co. KS

202 Main St.
Salem IL 62881

Nightengale #1-28

Job Ticket: 57733

DST#: 1

ATTN: Tim Priest

Test Start: 2014.09.25 @ 14:24:00

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:39:40

Time Test Ended: 00:53:25

Test Type: Conventional Straddle (Initial)

Tester: Will MacLean

Unit No: 71

Interval: 4274.00 ft (KB) To 4303.00 ft (KB) (TVD)

Reference Elevations: 3146.00 ft (KB)

Total Depth: 4360.00 ft (KB) (TVD)

3139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 131.32 psig @ 4275.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.25

End Date:

2014.09.26

Last Calib.:

2014.09.26

Start Time: 14:24:00

End Time:

00:53:25

Time On Btm:

2014.09.25 @ 17:39:25

Time Off Btm:

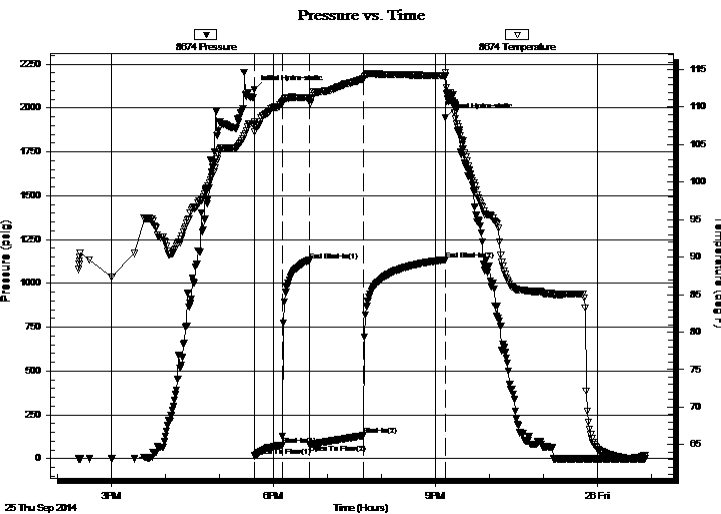
2014.09.25 @ 21:11:39

TEST COMMENT: IF- Weak Surface Blow Built to 3 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 10 1/4"

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.73	108.00	Initial Hydro-static
1	16.37	106.68	Open To Flow (1)
31	76.47	110.52	Shut-In(1)
61	1131.12	111.24	End Shut-In(1)
62	80.94	110.71	Open To Flow (2)
121	131.32	113.75	Shut-In(2)
212	1135.77	114.16	End Shut-In(2)
213	1944.53	114.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
82.00	GWOCM 3%g 4%w 23%oil 70%m	0.40
42.00	WGMCO 3%w 9%g 40%m 48%oil	0.21
62.00	MGCO 4%m 12%g 84%oil	0.87
114.00	MCO 8%m 92%oil	1.60
0.00	72' of Weak GIP	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

28-16s-34w Scott Co. KS

202 Main St.
Salem IL 62881

Nightengale #1-28

Job Ticket: 57733

DST#: 1

ATTN: Tim Priest

Test Start: 2014.09.25 @ 14:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
82.00	GWOCM 3%g 4%w 23%oil 70%m	0.403
42.00	WGMCO 3%w 9%g 40%m 48%oil	0.207
62.00	MGCO 4%m 12%g 84%oil	0.870
114.00	MCO 8%m 92%oil	1.599
0.00	72' of Weak GIP	0.000

Total Length: 300.00 ft Total Volume: 3.079 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 21 @ 70f = 20

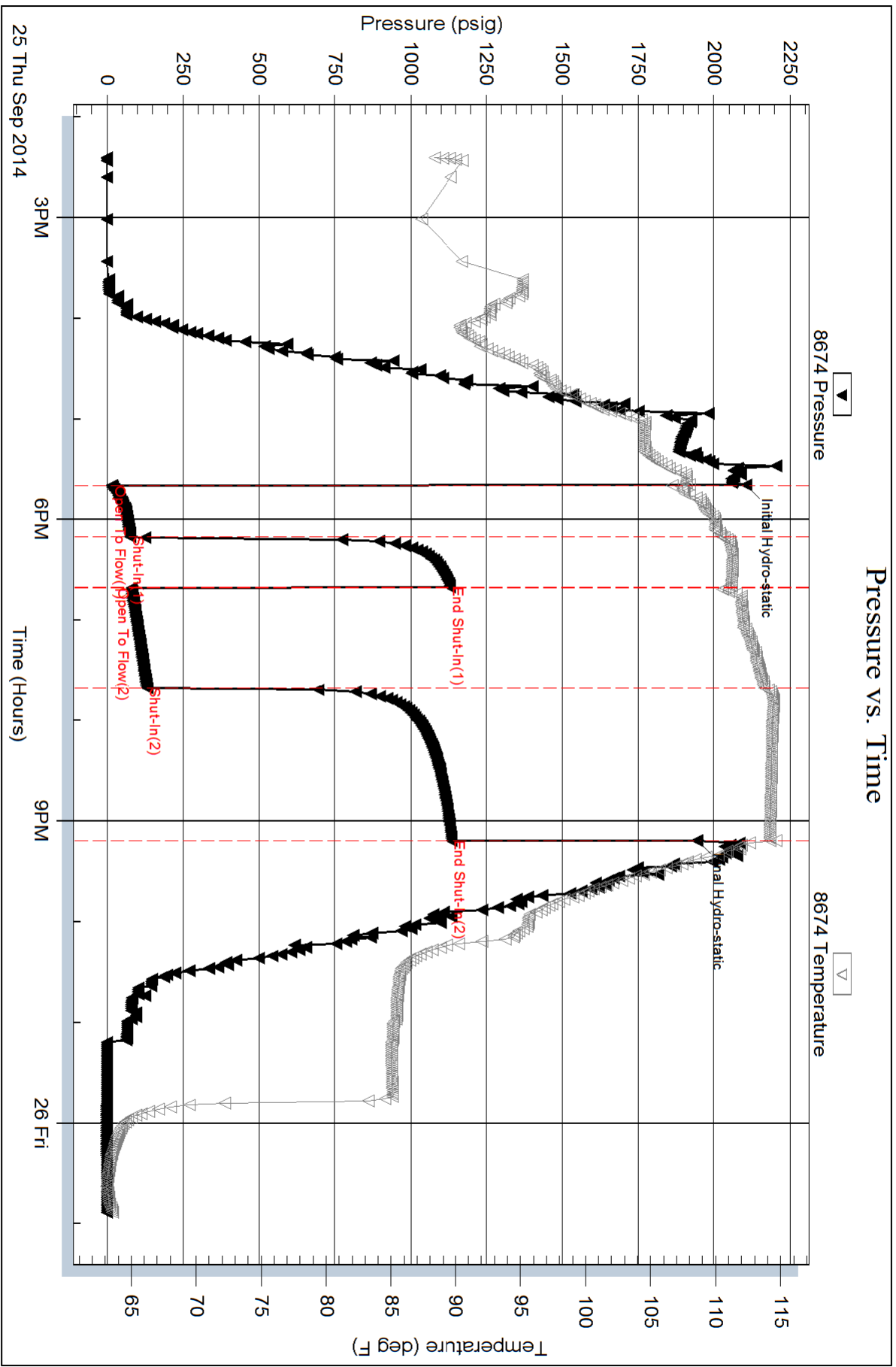
Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Nightengale #1-28

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 57733

Printed: 2014.09.26 @ 05:17:02

Serial #: 8672

Below (Stratton) Speare Oil Co. Inc

Nightengale #1-28

DST Test Number: 1

