



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc
 202 W. Main St.
 Salem IL 62881
 ATTN: Tim Priest

16-14s-32w Logan Co. KS
Ottely # 3-16
 Job Ticket: 48828 **DST#: 2**
 Test Start: 2012.08.22 @ 03:12:00

GENERAL INFORMATION:

Formation: **LKC "C - D"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 05:13:55 Tester: Will MacLean
 Time Test Ended: 10:30:39 Unit No: 40
 Interval: **3816.00 ft (KB) To 3857.00 ft (KB) (TVD)** Reference Elevations: 2773.00 ft (KB)
 Total Depth: 3857.00 ft (KB) (TVD) 2763.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

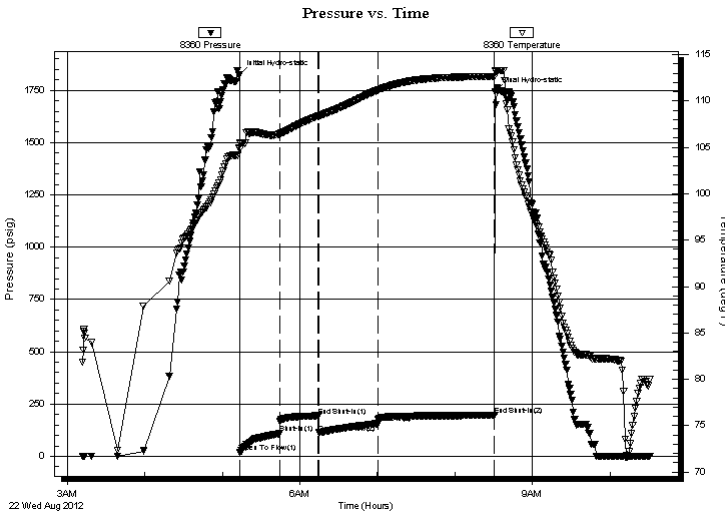
Serial #: 8360

Inside

Press @ Run Depth: 156.34 psig @ 3821.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.22 End Date: 2012.08.22 Last Calib.: 2012.08.22
 Start Time: 03:12:00 End Time: 10:30:39 Time On Btm: 2012.08.22 @ 05:13:40
 Time Off Btm: 2012.08.22 @ 08:31:09

TEST COMMENT: IF- Surface Blow Built to BOB in 17min
 IS- No Blow
 FF- Weak Surface Blow Built to 6"
 FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.13	105.51	Initial Hydro-static
1	20.56	104.86	Open To Flow (1)
31	108.86	106.44	Shut-In(1)
61	193.81	108.36	End Shut-In(1)
61	112.42	108.35	Open To Flow (2)
107	156.34	111.16	Shut-In(2)
197	195.71	112.62	End Shut-In(2)
198	1742.43	113.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 18%m 82%w	0.59
60.00	MW 50%m 50%w with Skim of Oil on	0.55
130.00	OMCW 1%oil 22%m 77%w	1.82

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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16-14s-32w Logan Co. KS

202 W. Main St.
Salem IL 62881

Ottely # 3-16

Job Ticket: 48828

DST#: 2

ATTN: Tim Priest

Test Start: 2012.08.22 @ 03:12:00

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:

36000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCW 18%m 82%w	0.590
60.00	MW 50%m 50%w with Skim of Oil on Top	0.550
130.00	OMCW 1%oil 22%m 77%w	1.824

Total Length: 310.00 ft Total Volume: 2.964 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .217 @ 78f = 36000

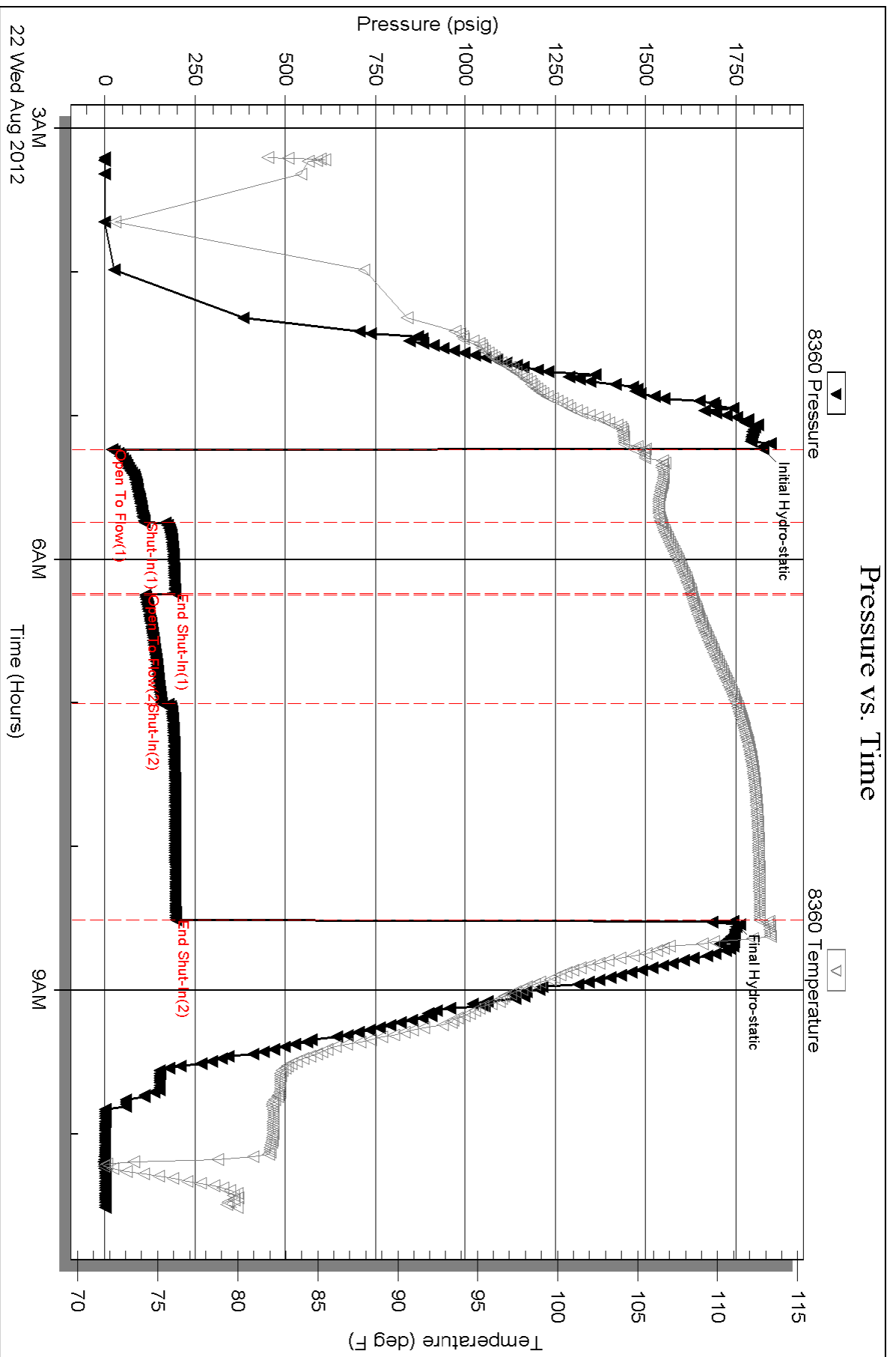
Serial #: 8360

Inside

Shakespeare Oil Co. Inc

Otley # 3-16

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 48828

Printed: 2012.08.22 @ 11:58:36

Serial #: 8353

Outside Shakespeare Oil Co. Inc

Oltey # 3-16

DST Test Number: 2

