



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

D K Operating Inc
24583 NW 208 Rd
Jetmore Ks 67584-5311
ATTN: Jason Alm

17 21n 22w Hodgeman
Antrim Unit # 1-17
Job Ticket: 47977 **DST#: 3**
Test Start: 2012.06.05 @ 17:00:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: 2282.00 ft (KB)
Time Tool Opened: 19:26:30
Time Test Ended: 01:25:00
Interval: **4343.00 ft (KB) To 4357.00 ft (KB) (TVD)**
Total Depth: 4357.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 60
Reference Elevations: 2282.00 ft (KB)
2273.00 ft (CF)
KB to GR/CF: 9.00 ft

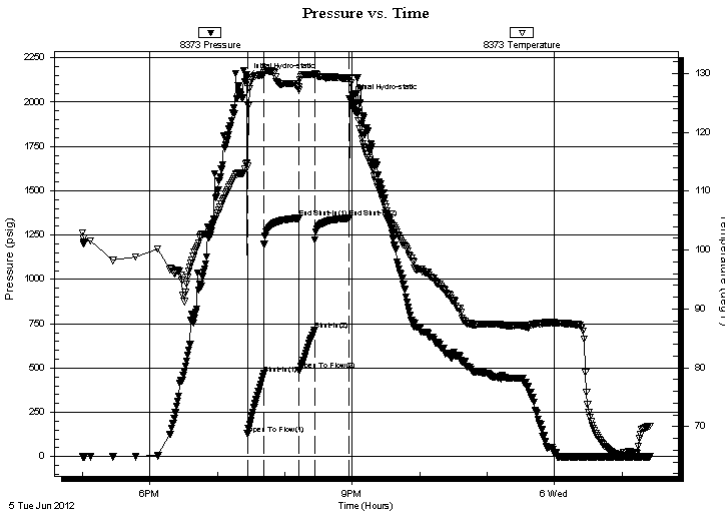
Serial #: 8373

Inside

Press @ Run Depth: 713.45 psig @ 4344.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.05 End Date: 2012.06.06 Last Calib.: 2012.06.06
Start Time: 17:00:05 End Time: 01:24:59 Time On Btm: 2012.06.05 @ 19:26:15
Time Off Btm: 2012.06.05 @ 20:57:30

TEST COMMENT: 15-IFP- BOB in 2 min
30-ISIP- No Blow
15-FFP- BOB in 2 min
30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.10	114.90	Initial Hydro-static
1	129.48	114.25	Open To Flow (1)
15	468.02	129.83	Shut-In(1)
46	1345.33	127.70	End Shut-In(1)
47	488.72	127.18	Open To Flow (2)
60	713.45	129.75	Shut-In(2)
91	1345.60	129.06	End Shut-In(2)
92	2017.96	129.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
868.00	WCO 20%w 80%o	11.06
310.00	WCO 30%w 70%o	4.35
310.00	WCO 50%w 50%o	4.35
186.00	MCW 20%m 80%w	2.61
0.00	248 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DK Operating Inc
24583 NW 208 Rd
Jetmore Ks 67584-5311
ATTN: Jason Alm

17 21n 22w Hodgeman
Antrim Unit # 1-17
Job Ticket: 47977 **DST#: 3**
Test Start: 2012.06.05 @ 17:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 12.76 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 11400.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
868.00	WCO 20%w 80%o	11.055
310.00	WCO 30%w 70%o	4.348
310.00	WCO 50%w 50%o	4.348
186.00	MCW 20%m 80%w	2.609
0.00	248 GIP	0.000

Total Length: 1674.00 ft Total Volume: 22.360 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8373

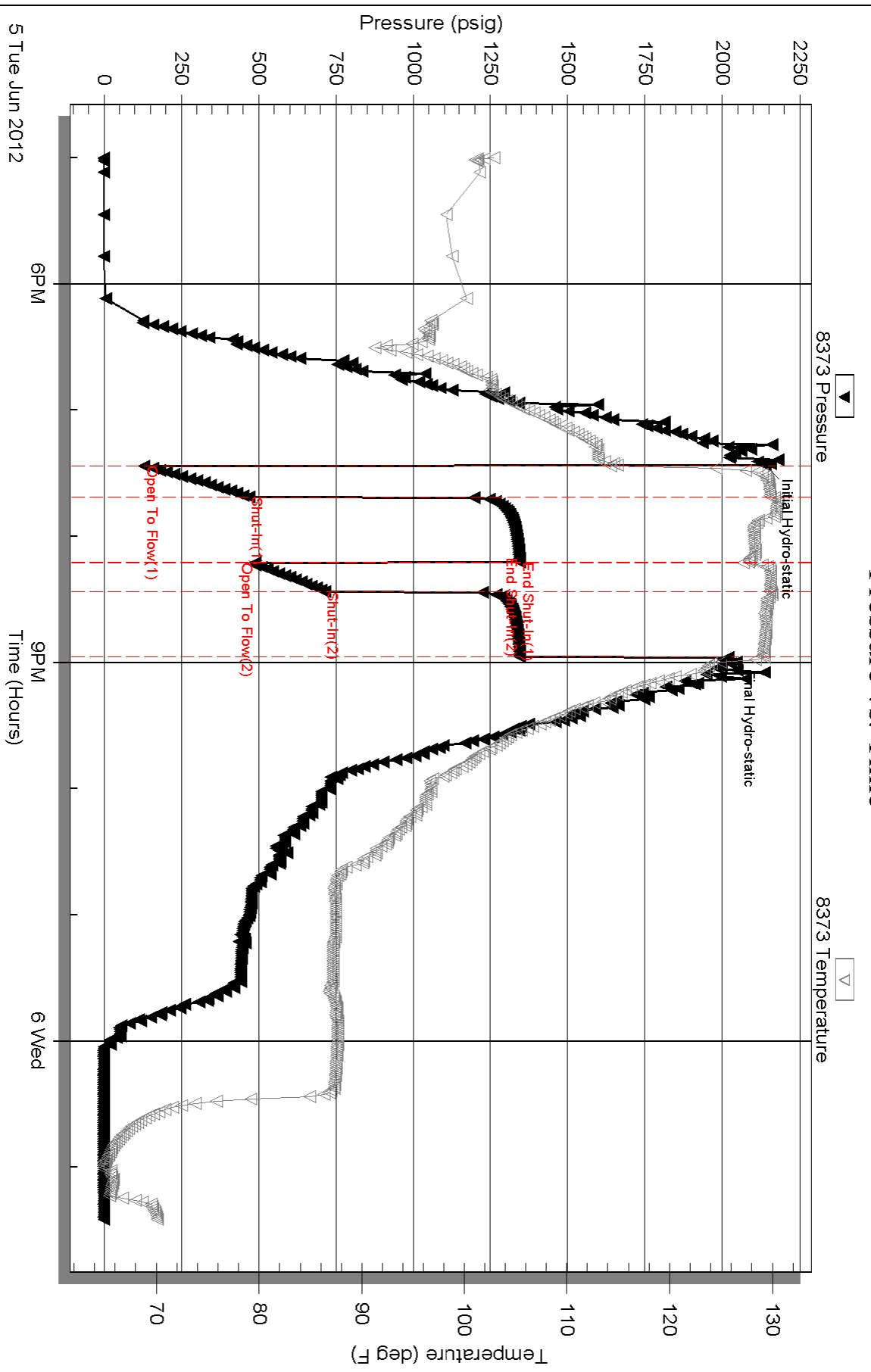
Inside

DK Operating Inc

Antrim Unit # 1-17

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47977

Printed: 2012.06.06 @ 07:56:41