



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, INC

Bott #2-23

Po Box 399
Garden City
KS 67846
ATTN: Scott Corsair

23-18s-21w

Job Ticket: 38619

DST#: 1

Test Start: 2010.06.01 @ 16:31:37

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:45:37

Time Test Ended: 23:14:37

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 32

Interval: 4048.00 ft (KB) To 4070.00 ft (KB) (TVD)

Total Depth: 4070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2098.00 ft (KB)

2090.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8360 Inside

Press@RunDepth: 53.96 psig @ 4052.00 ft (KB)

Start Date: 2010.06.01

End Date:

2010.06.01

Start Time: 16:31:39

End Time:

23:14:37

Capacity: 8000.00 psig

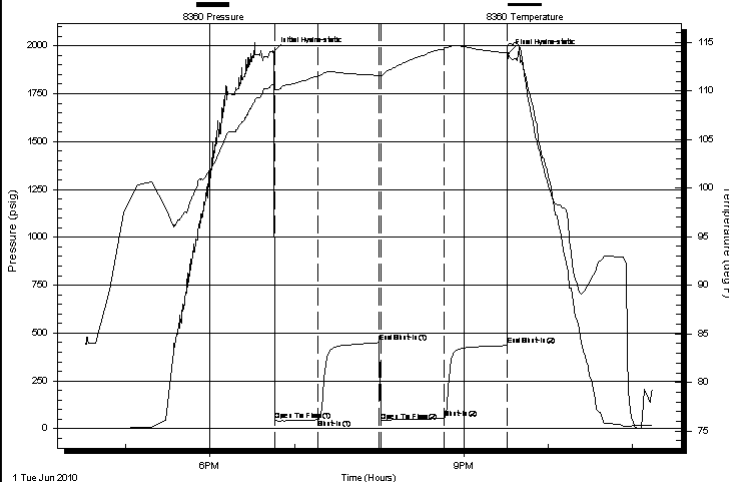
Last Calib.: 2010.06.01

Time On Btm: 2010.06.01 @ 18:45:07

Time Off Btm: 2010.06.01 @ 21:31:37

TEST COMMENT: IFP-Weak blow built to 2 3/4in
ISI-Dead no blow back
FFP-Fair blow built to 5 1/8 in
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1968.88	110.71	Initial Hydro-static
1	42.53	110.11	Open To Flow (1)
32	47.22	111.55	Shut-In(1)
75	450.54	111.60	End Shut-In(1)
76	41.65	111.42	Open To Flow (2)
121	53.96	114.38	Shut-In(2)
166	435.51	113.91	End Shut-In(2)
167	1957.38	114.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Free Oil	0.01
53.00	HOCM40%O60%M	0.49
0.00	105 GIP	0.00

Gas Rates

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

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Bott #2-23

Po Box 399

23-18s-21w

Garden City

Job Ticket: 38619

DST#: 1

KS 67846

Test Start: 2010.06.01 @ 16:31:37

ATTN: Scott Corsair

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Free Oil	0.010
53.00	HOCM40%O60%M	0.488
0.00	105 GIP	0.000

Total Length: 55.00 ft

Total Volume: 0.498 bbl

Num Fluid Samples: 0

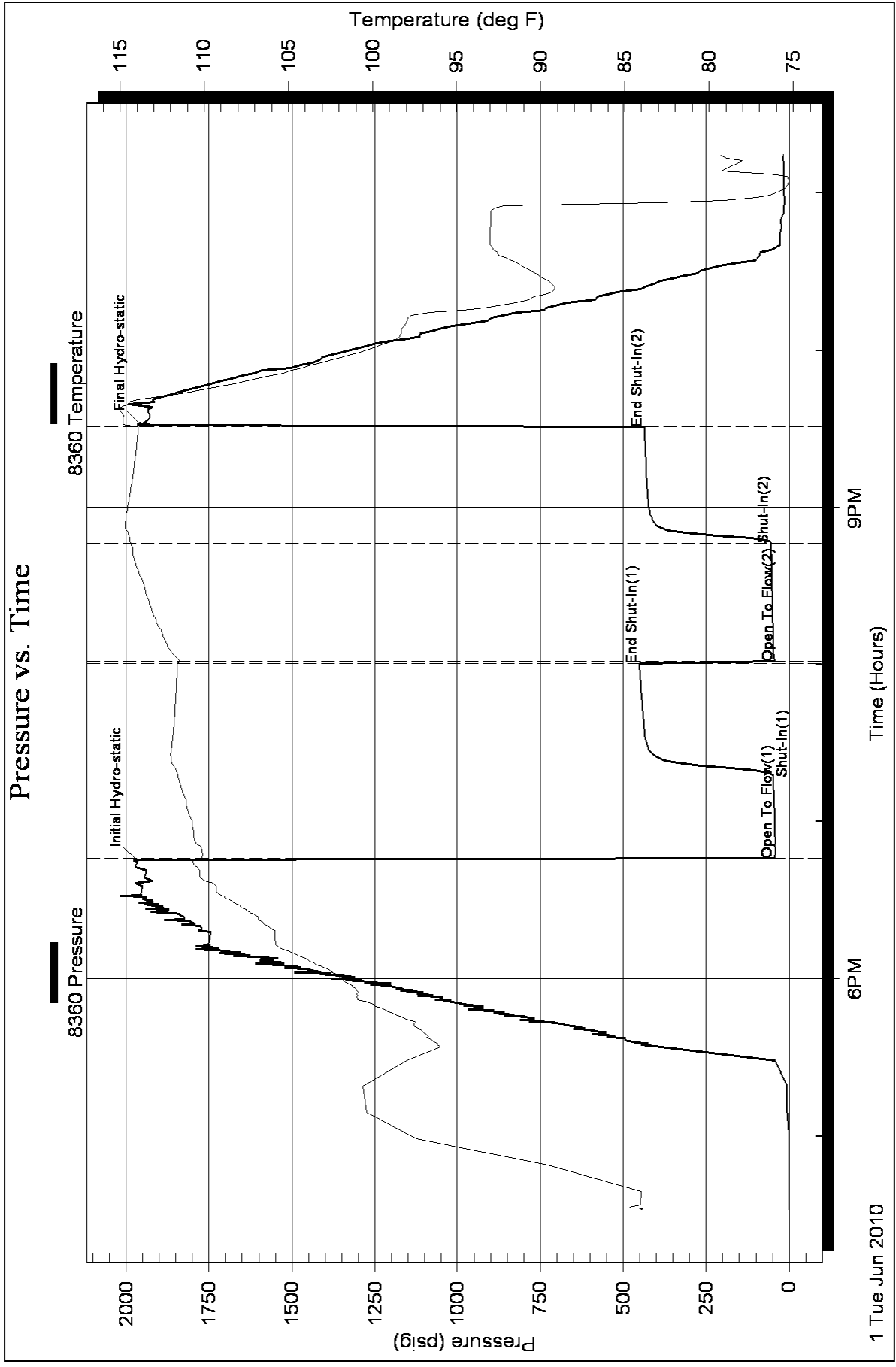
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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Bott #2-23

Po Box 399
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KS 67846
ATTN: Scott Corsair

23-18s-21w

Job Ticket: 38620

DST#: 2

Test Start: 2010.06.02 @ 05:24:35

GENERAL INFORMATION:

Formation: **Cherokee "B" Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:34:35

Time Test Ended: 13:08:05

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 32

Interval: 4047.00 ft (KB) To 4090.00 ft (KB) (TVD)

Total Depth: 4090.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2098.00 ft (KB)

2090.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8360 Inside

Press@RunDepth: 113.89 psig @ 4051.00 ft (KB)

Start Date: 2010.06.02

End Date:

2010.06.02

Start Time: 05:24:37

End Time:

13:08:05

Capacity: 8000.00 psig

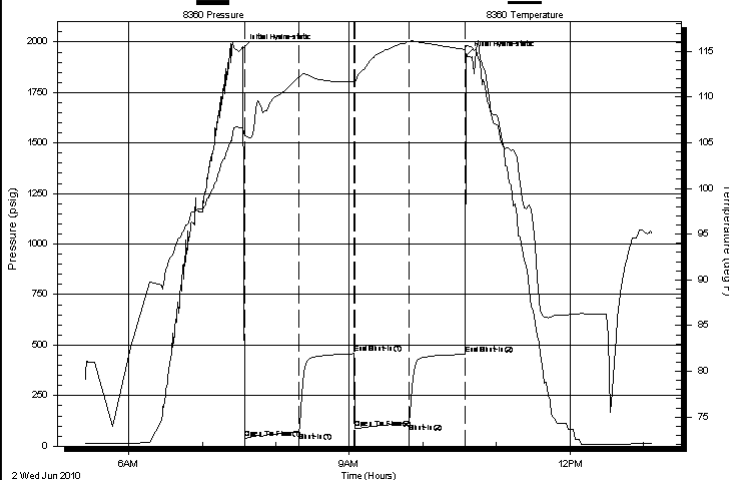
Last Calib.: 2010.06.02

Time On Btm: 2010.06.02 @ 07:33:05

Time Off Btm: 2010.06.02 @ 10:35:35

TEST COMMENT: IFP-Fair blow built to 8 in
ISI-Dead no blow back
FFP-Fair blow built to 7 1/2 in
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1967.82	106.64	Initial Hydro-static
2	37.34	105.79	Open To Flow (1)
46	69.58	112.15	Shut-In(1)
91	458.25	111.65	End Shut-In(1)
92	86.08	111.53	Open To Flow (2)
136	113.89	116.05	Shut-In(2)
182	454.68	115.20	End Shut-In(2)
183	1932.56	115.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Free Oil	0.07
15.00	HOCM40%O60%M	0.07
63.00	SOCM5%O95%M	0.88
126.00	MW65%M35%W	1.77

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Bott #2-23

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Garden City

Job Ticket: 38620

DST#: 2

KS 67846

Test Start: 2010.06.02 @ 05:24:35

ATTN: Scott Corsair

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

12000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Free Oil	0.074
15.00	HOCM40%O60%M	0.074
63.00	SOCM5%O95%M	0.884
126.00	MW65%M35%W	1.767

Total Length: 219.00 ft

Total Volume: 2.799 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

