

YCS
15-083-21587-0000



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Am Warrior**

PO Box 399
Garden City, Ks
67846

ATTN: Marc Downing

17-22s23w Hodgman KS

Bradshaw 2-17

Start Date: 2009.01.09 @ 14:03:58

End Date: 2009.01.09 @ 22:30:22

Job Ticket #: 33774 DST #: 1

KANSAS CORPORATION COMMISSION
JUN 22 2009
RECEIVED

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Am Warrior

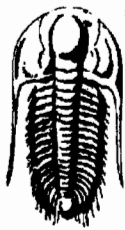
Bradshaw 2-17

17-22s23w Hodgman KS

DST # 1

Cong: Sand - Osage

2009.01.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Marc Downing

Bradshaw 2-17
17-22s23w Hodgman KS
Job Ticket: 33774 **DST#: 1**
Test Start: 2009.01.09 @ 14:03:58

GENERAL INFORMATION:

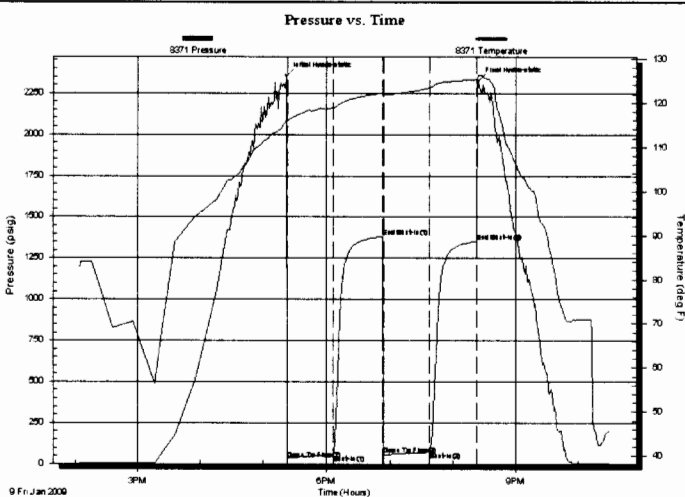
Formation: **Cong. Sand - Osage**
Deviated: **No Whipstock:** ft (KB)
Test Type: **Conventional Bottom Hole**
Time Tool Opened: 17:23:23
Tester: **Brian Fairbank**
Time Test Ended: 22:30:22
Unit No: **41**
Interval: **4602.00 ft (KB) To 4680.00 ft (KB) (TVD)**
Reference Elevations: 2403.00 ft (KB)
Total Depth: 4680.00 ft (KB) (TVD) 2395.00 ft (CF)
Hole Diameter: 7.88 inches
Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8371

Inside

Press@RunDepth: 72.67 psig @ 4609.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.01.09 End Date: 2009.01.09 Last Calib.: 2009.01.09
Start Time: 14:03:58 End Time: 22:30:22 Time On Btm: 2009.01.09 @ 17:22:23
Time Off Btm: 2009.01.09 @ 20:23:52

TEST COMMENT: IFP - weak to fair blow 1/4" - 51/2"
ISI - no blow back
FFP - weak to fair blow sur - 4"
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2354.65	116.28	Initial Hydro-static
1	30.20	115.83	Open To Flow (1)
44	55.78	118.92	Shut-In (1)
91	1381.77	122.21	End Shut-In (1)
91	56.88	121.69	Open To Flow (2)
135	72.67	123.42	Shut-In (2)
180	1352.97	125.31	End Shut-In (2)
182	2325.48	126.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	SOCM 7%O, 93%M	1.02
25.00	G FREE OIL 5%G, 90%O, 5%M	0.37
0.00	30' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Marc Downing

Bradshaw 2-17
17-22s23w Hodgman KS
Job Ticket: 33774 **DST#: 1**
Test Start: 2009.01.09 @ 14:03:58

Tool Information

Drill Pipe:	Length: 4557.00 ft	Diameter: 3.88 inches	Volume: 66.64 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 66.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4602.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4580.00	
Hydraulic tool	5.00			4585.00	
Jars	5.00			4590.00	
Safety Joint	2.00			4592.00	
Packer	5.00			4597.00	27.00 Bottom Of Top Packer
Packer	5.00			4602.00	
Stubb	1.00			4603.00	
Perforations	5.00			4608.00	
Change Over Sub	1.00			4609.00	
Recorder	0.00	8018	Inside	4609.00	
Recorder	0.00	8371	Inside	4609.00	
Blank Spacing	62.00			4671.00	
Change Over Sub	1.00			4672.00	
Perforations	5.00			4677.00	
Bullnose	3.00			4680.00	78.00 Bottom Packers & Anchor

Total Tool Length: 105.00

KANSAS CORPORATION COMMISSION
JUN 22 2009
RECEIVED



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Marc Downing

Bradshaw 2-17
17-22s23w Hodgman KS
Job Ticket: 33774 **DST#: 1**
Test Start: 2009.01.09 @ 14:03:58

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

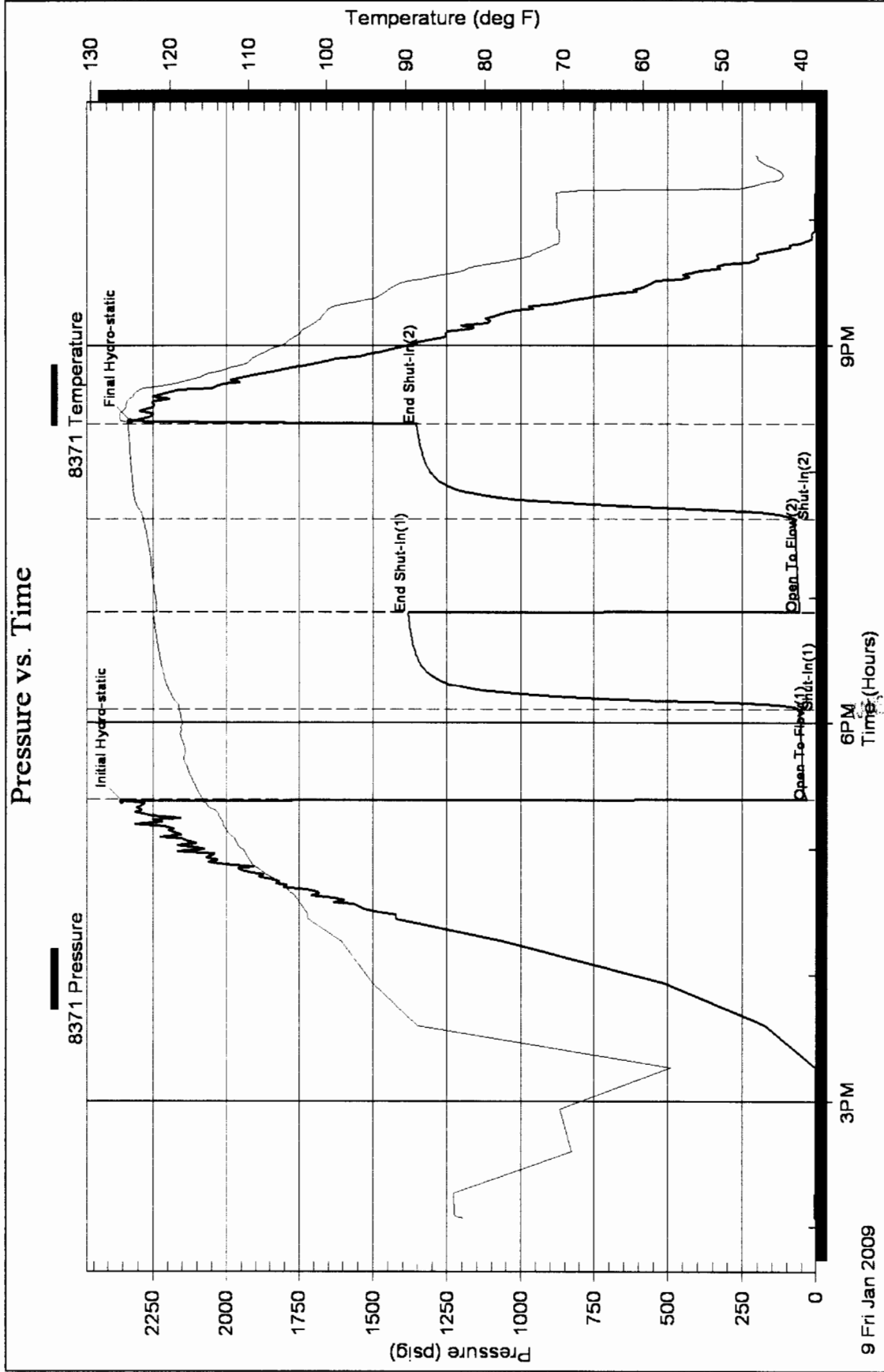
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	SOCM 7%O, 93%M	1.015
25.00	G FREE OIL 5%G, 90%O, 5%M	0.366
0.00	30' GIP	0.000

Total Length: 115.00 ft Total Volume: 1.381 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



AS CORPORATION COMMISSION
JUN 22 2009
RECEIVED