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TRILOBITE
TESTING, INC.

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API#15-185-23208-00-00

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

19-21-11-Stafford-Ks

Cook 2A-19

Start Date: 2003.10.17 @ 12:30:30

End Date: 2003.10.17 @ 08:18:00

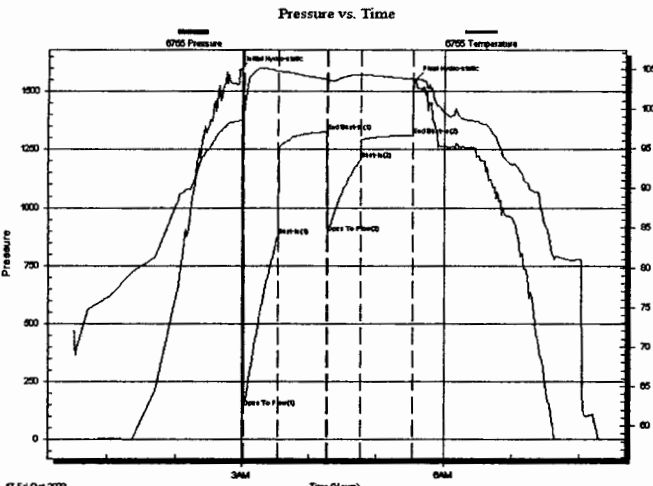
Job Ticket #: 18889

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT																																																		
American Warrior Inc PO Box 399 Garden City Ks 67846 ATTN: Cecil O'Brate	Cook 2A-19 19-21-11-Stafford-Ks Job Ticket: 18889 DST#: 1 Test Start: 2003.10.17 @ 12:30:30																																																		
GENERAL INFORMATION:																																																			
Formation: A-B-C Deviated: No Whipstock: ft (KB) Time Tool Opened: 00:30:00 Time Test Ended: 08:18:00 Interval: 3166.00 ft (KB) To 3245.00 ft (KB) (TVD) Total Depth: 3245.00 ft (KB) (TVD) * Hole Diameter: 7.88 inches Hole Condition: Good		Test Type: Conventional Bottom Hole Tester: Dan Bangle Unit No: 21 Reference Elevations: 1802.00 ft (KB) 1794.00 ft (CF) KB to GR/CF: 8.00 ft																																																	
Serial #: 6755 Inside Press@RunDepth: 1205.35 psig @ 3169.00 ft (KB) Start Date: 2003.10.17 End Date: 2003.10.17 Start Time: 00:30:31 End Time: 08:18:00 Capacity: 7000.00 psig Last Calib.: 2003.10.18 Time On Btm: 2003.10.17 @ 02:57:30 Time Off Btm: 2003.10.17 @ 05:35:00																																																			
TEST COMMENT: IF-Strong BOB in 1 1/2 min FF-Strong BOB in 2 min Times-30-45-30-45																																																			
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Cook 2A-19

PO Box 399
Garden City Ks 67846

19-21-11-Stafford-Ks

Job Ticket: 18889

DST#: 1

ATTN: Cecil O'Brate

Test Start: 2003.10.17 @ 12:30:30

Tool Information

Drill Pipe:	Length: 3154.00 ft	Diameter: 3.80 inches	Volume: 44.24 bbl	Tool Weight: 1100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 44.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3166.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

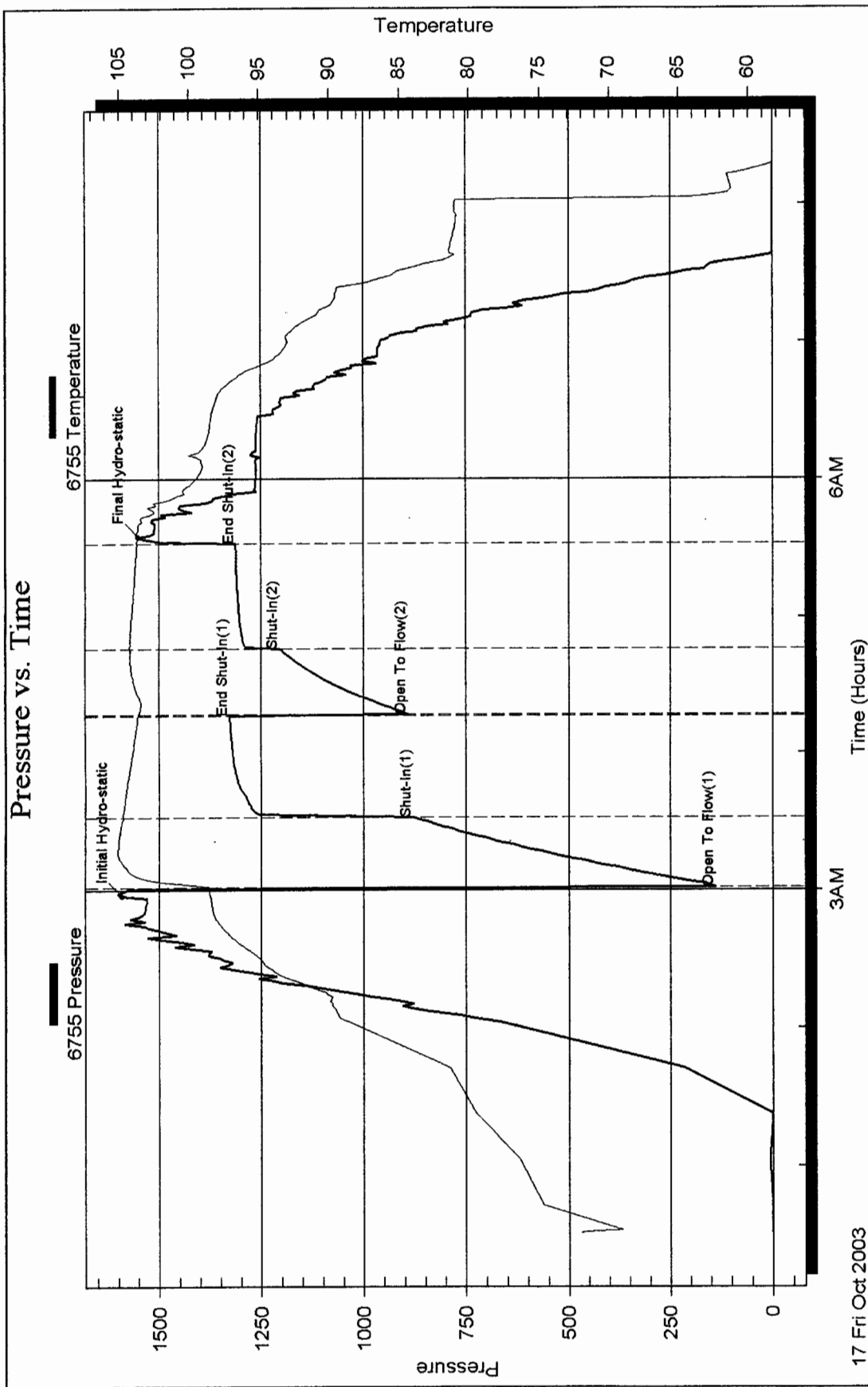
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3146.00	
Shut In Tool	5.00			3151.00	
Hydraulic tool	5.00			3156.00	
Packer	5.00			3161.00	21.00 Bottom Of Top Packer
Packer	5.00			3166.00	
Stubb	1.00			3167.00	
Perforations	1.00			3168.00	
Change Over Sub	1.00			3169.00	
Recorder	0.00	6755	Inside	3169.00	
Blank Spacing	63.00			3232.00	
Change Over Sub	1.00			3233.00	
Recorder	0.00	13254	Outside	3233.00	
Perforations	9.00			3242.00	
Bullnose	3.00			3245.00	79.00 Bottom Packers & Anchor

Total Tool Length: 100.00

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY
	American Warrior Inc PO Box 399 Garden City Ks 67846 ATTN: Cecil O'Brate		Cook 2A-19 19-21-11-Stafford-Ks Job Ticket: 18889 DST#: 1 Test Start: 2003.10.17 @ 12:30:30
Mud and Cushion Information			
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 47.00 sec/qt Water Loss: 8.78 in ³ Resistivity: ohm.m Salinity: 6000.00 ppm Filter Cake: inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	
		Oil API:	deg API
		Water Salinity:	47000 ppm
Recovery Information			
Recovery Table			
Length ft	Description	Volume bbl	
2750.00	Mdy Wtr Rw .21@78=47000ppm	38.575	
Total Length: 2750.00 ft		Total Volume: 38.575 bbl	
Num Fluid Samples: 0		Num Gas Bombs: 0	Serial #:
Laboratory Name:		Laboratory Location:	
Recovery Comments:			

Pressure vs. Time



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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

19-21-11-Stafford-Ks

Cook 2A-19

Start Date: 2003.10.19 @ 11:15:46

End Date: 2003.10.19 @ 16:27:16

Job Ticket #: 18890

DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc

PO Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

Cook 2A-19

19-21-11-Stafford-Ks

Job Ticket: 18890

DST#: 2

Test Start: 2003.10.19 @ 11:15:46

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:02:16

Time Test Ended: 16:27:16

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3455.00 ft (KB) To 3517.00 ft (KB) (TVD)**

Total Depth: 3517.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1802.00 ft (KB)

1794.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6755

Inside

Press@RunDepth: 34.94 psig @ 3458.00 ft (KB)

Start Date: 2003.10.19

End Date:

2003.10.19

Start Time: 11:15:47

End Time:

16:27:16

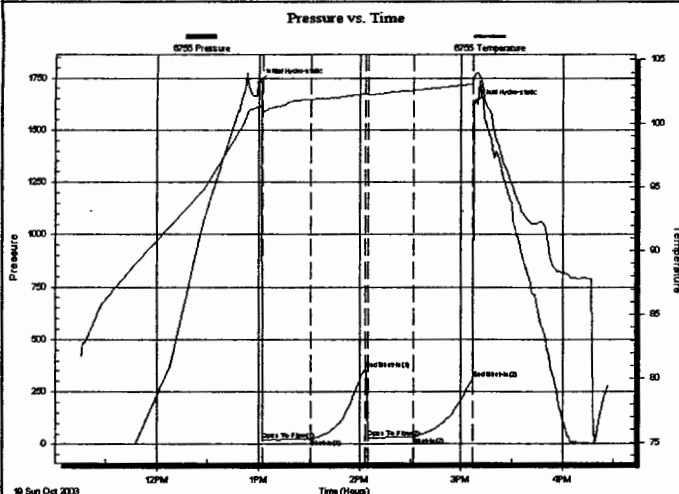
Capacity: 7000.00 psig

Last Calib.: 2003.10.19

Time On Btm: 2003.10.19 @ 12:59:46

Time Off Btm: 2003.10.19 @ 15:07:46

TEST COMMENT: IF-Weak building to 2"
FF-Weak building to 2"
Times-30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.11	101.27	Initial Hydro-static
3	18.49	100.89	Open To Flow (1)
31	25.79	101.88	Shut-In (1)
64	356.33	102.34	End Shut-In (1)
65	28.13	102.21	Open To Flow (2)
92	34.94	102.59	Shut-In (2)
127	310.34	103.10	End Shut-In (2)
128	1628.43	103.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 15%o 85% m	0.70
0.00	60 GP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Cook 2A-19

PO Box 399
Garden City Ks 67846

19-21-11-Stafford-Ks

Job Ticket: 18890

DST#: 2

ATTN: Cecil O'Brate

Test Start: 2003.10.19 @ 11:15:46

Tool Information

Drill Pipe:	Length: 3437.00 ft	Diameter: 3.80 inches	Volume: 48.21 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 48.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3455.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3435.00	
Shut In Tool	5.00			3440.00	
Hydraulic tool	5.00			3445.00	
Packer	5.00			3450.00	21.00 Bottom Of Top Packer
Packer	5.00			3455.00	
Stubb	1.00			3456.00	
Perforations	1.00			3457.00	
Change Over Sub	1.00			3458.00	
Recorder	0.00	6755	Inside	3458.00	
Blank Spacing	31.00			3489.00	
Change Over Sub	1.00			3490.00	
Recorder	0.00	13254	Outside	3490.00	
Perforations	24.00			3514.00	
Bullnose	3.00			3517.00	62.00 Bottom Packers & Anchor

Total Tool Length: 83.00

137705

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY										
	American Warrior Inc PO Box 399 Garden City Ks 67846 ATTN: Cecil O'Brate		Cook 2A-19 19-21-11-Stafford-Ks Job Ticket: 18890 DST#: 2 Test Start: 2003.10.19 @ 11:15:46										
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:	52.00 sec/qt	Cushion Volume:	bbl										
Water Loss:	11.98 in ³	Gas Cushion Type:											
Resistivity:	ohm.m	Gas Cushion Pressure:	psig										
Salinity:	8000.00 ppm												
Filter Cake:	inches												
Recovery Information													
Recovery Table													
<table border="1"><thead><tr><th>Length ft</th><th>Description</th><th>Volume bbl</th></tr></thead><tbody><tr><td>50.00</td><td>OCM 15%o 85%m</td><td>0.701</td></tr><tr><td>0.00</td><td>60 GIP</td><td>0.000</td></tr></tbody></table>					Length ft	Description	Volume bbl	50.00	OCM 15%o 85%m	0.701	0.00	60 GIP	0.000
Length ft	Description	Volume bbl											
50.00	OCM 15%o 85%m	0.701											
0.00	60 GIP	0.000											
Total Length: 50.00 ft		Total Volume: 0.701 bbl											
Num Fluid Samples: 0		Num Gas Bombs: 0		Serial #:									
Laboratory Name:		Laboratory Location:											
Recovery Comments:													

Pressure vs. Time

