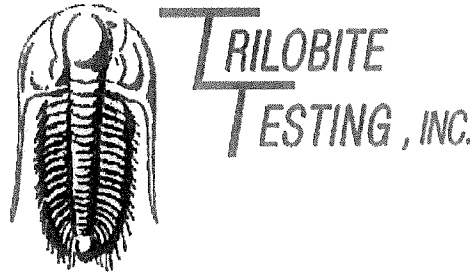


15-159-22639

13-19s-10w

IND



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

P.O. Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

13 19S 10W Rice KS

Dale Beneke #1-13

Start Date: 2011.03.05 @ 15:51:53

End Date: 2011.03.05 @ 22:10:36

Job Ticket #: 41847 DST #: 1

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

Dale Beneke #1-13

13 19S 10W Rice KS

Job Ticket: 41847

DST#: 1

Test Start: 2011.03.05 @ 15:51:53

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:08:36

Time Test Ended: 22:10:36

Interval: 3231.00 ft (KB) To 3284.00 ft (KB) (TVD)

Total Depth: 3284.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 47

Reference Elevations: 1754.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8319

Inside

Press@RunDepth: 18.66 psig @ 3235.00 ft (KB)

Start Date: 2011.03.05 End Date: 2011.03.05

Start Time: 15:51:58 End Time: 22:10:36

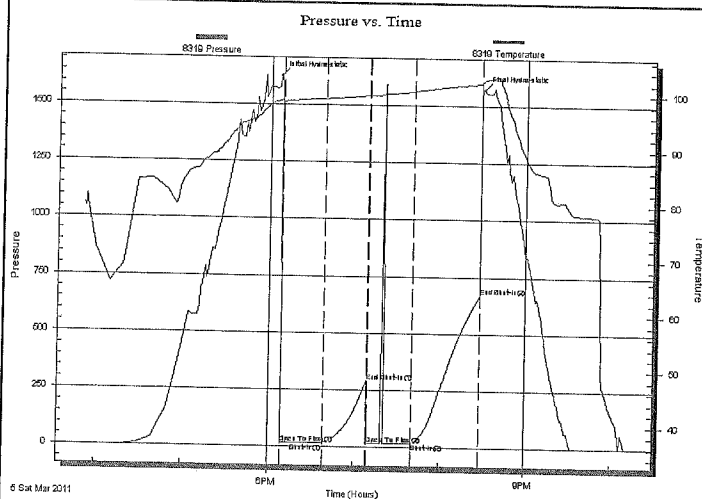
Capacity: 8000.00 psig

Last Calib.: 2011.03.05

Time On Btm: 2011.03.05 @ 18:07:06

Time Off Btm: 2011.03.05 @ 20:29:06

TEST COMMENT: IF-Weak blow on surface. Died @ 16 minutes. Surging @ 22 minutes.
ISI-No Return.
FF-Surging surface blow. Flushed. Surging surface blow.
FSI-No Return.



PRESSURE SUMMARY

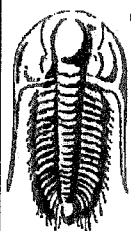
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.35	98.83	Initial Hydro-static
2	15.61	98.61	Open To Flow (1)
32	15.73	99.24	Shut-In(1)
62	290.33	99.89	End Shut-In(1)
63	16.17	99.83	Open To Flow (2)
93	18.66	100.65	Shut-In(2)
141	668.72	102.16	End Shut-In(2)
143	1571.88	102.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	100%Mud w/Oil spots	0.17

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.

Dale Beneke #1-13

P.O. Box 399
Garden City, KS 67846

13 19S 10W Rice KS

Job Ticket: 41847

DST#: 1

ATTN: Jim Musgrove

Test Start: 2011.03.05 @ 15:51:53

Tool Information

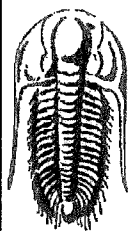
Drill Pipe:	Length: 3232.00 ft	Diameter: 3.80 inches	Volume: 45.34 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	2000.00 lb
			Total Volume: 45.34 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3231.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.00 ft				
Tool Length:	73.00 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			3212.00	
Shut In Tool	5.00			3217.00	
Hydraulic tool	5.00			3222.00	
Packer	5.00			3227.00	20.00 Bottom Of Top Packer
Packer	4.00			3231.00	
Stubb	1.00			3232.00	
Perforations	2.00			3234.00	
Change Over Sub	1.00			3235.00	
Recorder	0.00	8319	Inside	3235.00	
Recorder	0.00	6719	Inside	3235.00	
Blank Spacing	31.00			3266.00	
Change Over Sub	1.00			3267.00	
Perforations	14.00			3281.00	
Bullnose	3.00			3284.00	53.00 Bottom Packers & Anchor

Total Tool Length: 73.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Dale Beneke #1-13

P.O. Box 399
Garden City, KS 67846

13 19S 10W Rice KS

Job Ticket: 41847

DST#: 1

ATTN: Jim Musgrove

Test Start: 2011.03.05 @ 15:51:53

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	100%Mud w /Oil spots	0.168

Total Length: 12.00 ft

Total Volume: 0.168 bbl

Num Fluid Samples: 0

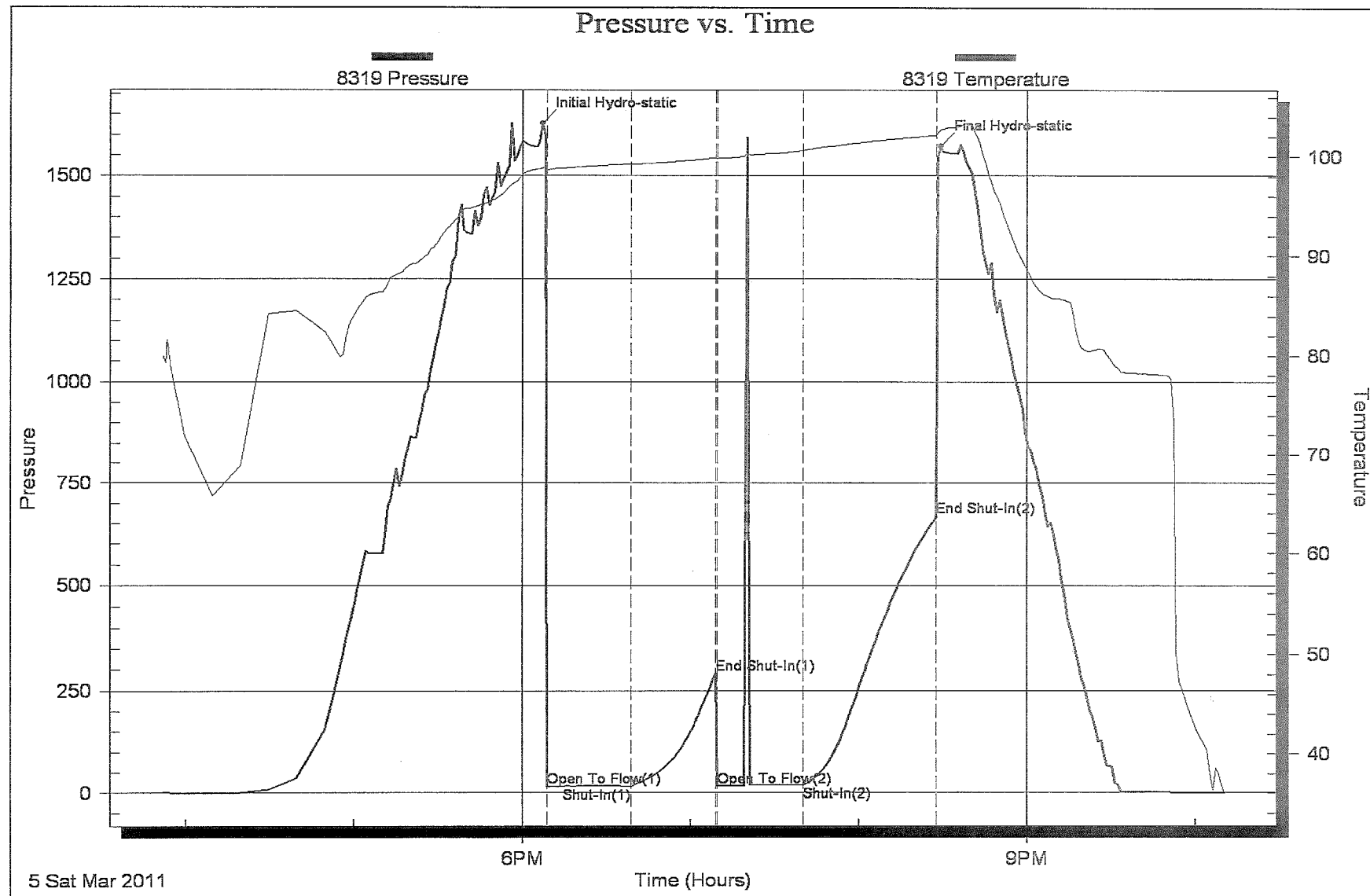
Num Gas Bombs: 0

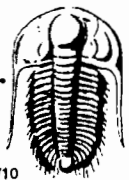
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041847 5415

Well Name & No. Dale Bereke #1-13 Test No. 1 Date 3-5-11
 Company American Wellco, Inc. Elevation 17.54 KB 1746 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jim Muggrove Rig Duke 8
 Location: Sec. 13 Twp. 19S Rge. 10W Co. Rice State KS

Interval Tested 3231-3284 Zone Tested Ambuckle
 Anchor Length 53' Drill Pipe Run 3232 Mud Wt. 9.3
 Top Packer Depth 3226 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3231 Wt. Pipe Run 0 WL 8.8
 Total Depth 3284 Chlorides 5000 ppm System LCM 0

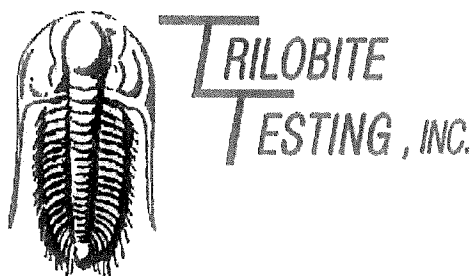
Blow Description IF - Weak blow on surface. died @ 16 min. Surging @ 22 min.
IS - No Return,
FF - Surging surface blow. Flushed. Surging surface blow.
FS - No Return,

Rec	Feet of	%gas	%oil	%water	%mud
12	Mud w/ OH Spots			100	

Rec Total 12 BHT 102 Gravity ✓ API RW ✓ @ ✓ °F Chlorides ✓ ppm
 (A) Initial Hydrostatic 1627 ☒ Test 1125 T-On Location 1505
 (B) First Initial Flow 16 ☐ Jars ✓ T-Started 1600
 (C) First Final Flow 16 ☐ Safety Joint ✓ T-Open 1808
 (D) Initial Shut-In 290 ☐ Circ Sub ✓ T-Pulled 2025
 (E) Second Initial Flow 16 ☐ Hourly Standby ✓ T-Out 2200
 (F) Second Final Flow 17 ☒ Mileage 90X2 225 Comments ✓
 (G) Final Shut-In 669 ☐ Sampler ✓
 (H) Final Hydrostatic 1572 ☐ Straddle ✓

☐ Ruined Shale Packer
☐ Shale Packer
☐ Ruined Packer
☐ Extra Packer
☐ Extra Copies
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30-Flushed
 Final Shut-In 45
 Sub Total 1350
 Total 1350
 MP/DST Disc't ✓

Approved By ✓ Our Representative D. Rash
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

P.O. Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

13 19S 10W Rice KS

Dale Beneke #1-13

Start Date: 2011.03.06 @ 05:27:34

End Date: 2011.03.06 @ 10:56:04

Job Ticket #: 41848 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

Dale Beneke #1-13

13 19S 10W Rice KS

Job Ticket: 41848

DST#: 2

Test Start: 2011.03.06 @ 05:27:34

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:50:04

Time Test Ended: 10:56:04

Interval: 3231.00 ft (KB) To 3291.00 ft (KB) (TVD)

Total Depth: 3291.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 47

Reference Elevations: 1754.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 279.31 psig @ 3235.00 ft (KB)

Start Date: 2011.03.06

End Date:

2011.03.06

Start Time: 05:27:39

End Time:

10:56:03

Capacity: 8000.00 psig

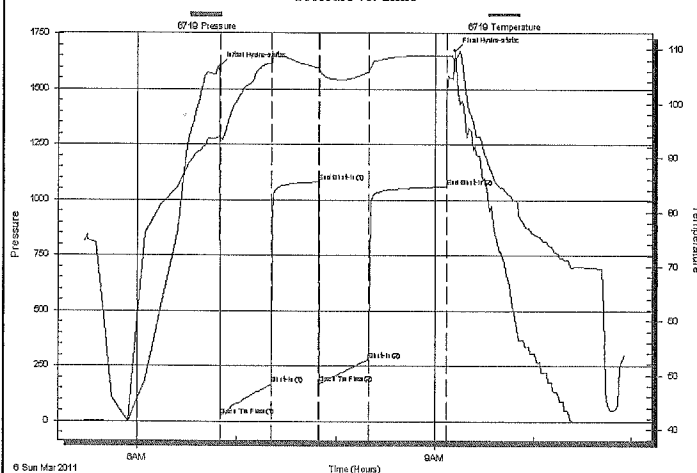
Last Calib.: 2011.03.06

Time On Btm: 2011.03.06 @ 06:49:34

Time Off Btm: 2011.03.06 @ 09:12:04

TEST COMMENT: IF-Strong building blow . BOB in 8 minutes.
ISI-Return @ 30 seconds. Built to 3 inches.
FF-Strong building blow . BOB in 4 minutes 30 seconds.
FSI-Return @ 2 minutes. Built to 1/4 inch.

Pressure vs. Time



PRESSURE SUMMARY

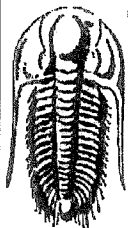
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.86	93.88	Initial Hydro-static
1	25.00	93.72	Open To Flow (1)
31	170.57	107.42	Shut-In(1)
60	1080.20	106.64	End Shut-In(1)
60	173.46	106.31	Open To Flow (2)
90	279.31	105.87	Shut-In(2)
137	1059.12	108.76	End Shut-In(2)
143	1672.73	108.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	50%Mud/40%Gas/10%Oil	2.61
589.00	60%Oil/40%Gas	8.26
0.00	279' G.I.P.	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.

Dale Beneke #1-13

P.O. Box 399
Garden City, KS 67846

13 19S 10W Rice KS

Job Ticket: 41848

DST#: 2

ATTN: Jim Musgrove

Test Start: 2011.03.06 @ 05:27:34

Tool Information

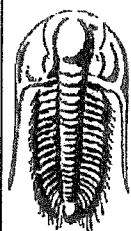
Drill Pipe:	Length: 3232.00 ft	Diameter: 3.80 inches	Volume: 45.34 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	5000.00 lb
		Total Volume:	45.34 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3231.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	80.00 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			3212.00	
Shut In Tool	5.00			3217.00	
Hydraulic tool	5.00			3222.00	
Packer	5.00			3227.00	20.00 Bottom Of Top Packer
Packer	4.00			3231.00	
Stubb	1.00			3232.00	
Perforations	2.00			3234.00	
Change Over Sub	1.00			3235.00	
Recorder	0.00	8319	Inside	3235.00	
Recorder	0.00	6719	Inside	3235.00	
Blank Spacing	31.00			3266.00	
Change Over Sub	1.00			3267.00	
Perforations	21.00			3288.00	
Bullnose	3.00			3291.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Dale Beneke #1-13

P.O. Box 399
Garden City, KS 67846

13 19S 10W Rice KS

Job Ticket: 41848

DST#: 2

ATTN: Jim Musgrove

Test Start: 2011.03.06 @ 05:27:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	50%Mud/40%Gas/10%Oil	2.609
589.00	60%Oil/40%Gas	8.262
0.00	279' G.I.P.	0.000

Total Length: 775.00 ft

Total Volume: 10.871 bbl

Num Fluid Samples: 0

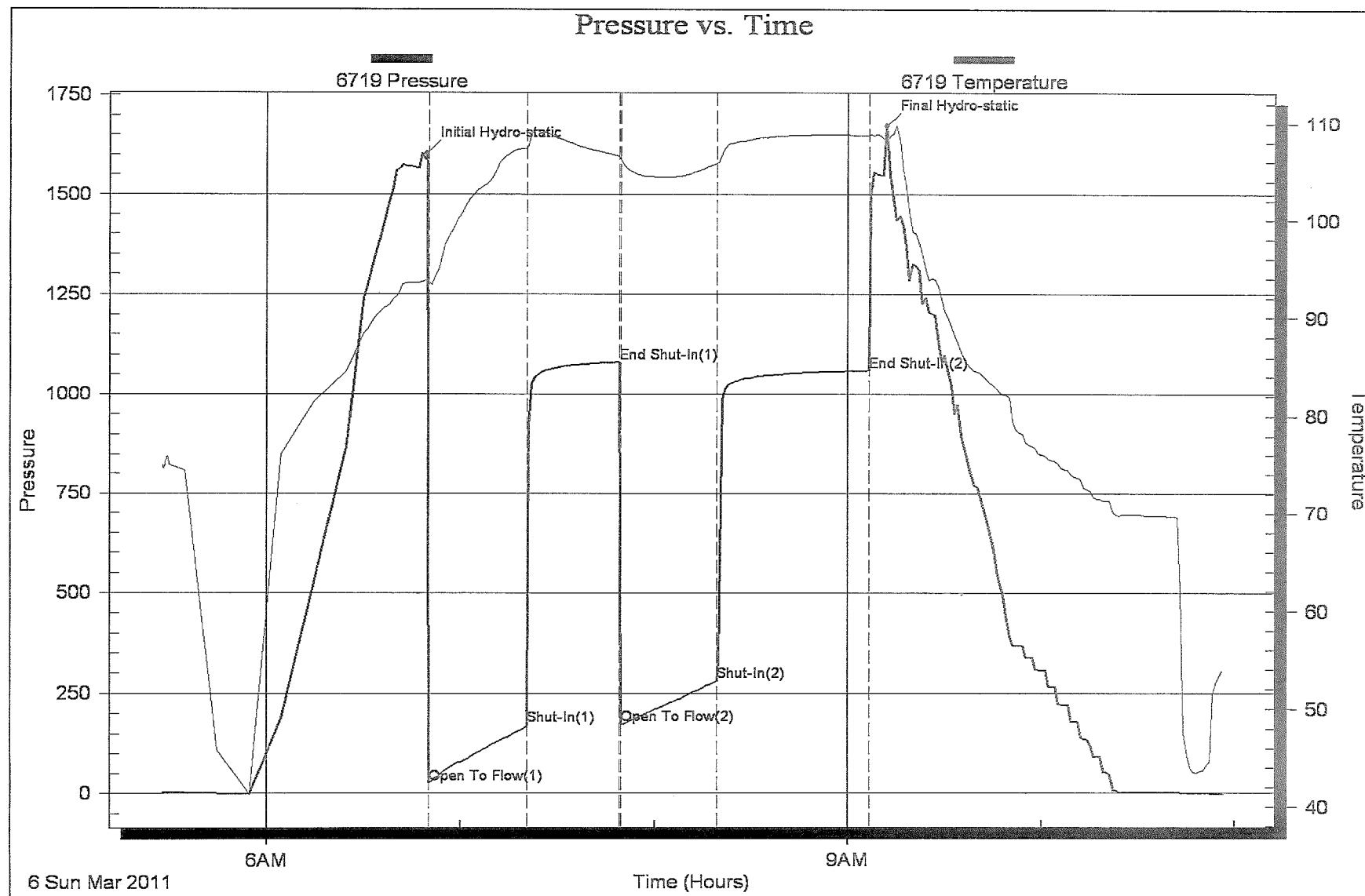
Num Gas Bombs: 0

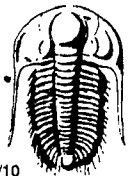
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041848

4/10

Well Name & No. Dale Beneke #1-13 Test No. 2 Date 3-6-11
 Company American Warrior, Inc. Elevation 1754 KB 1746 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jim Magrove Rig Duke 8
 Location: Sec. 13 Twp. 19S Rge. 10W Co. Rice State KS

Interval Tested 3231-3291 Zone Tested Arbuckle
 Anchor Length 60' Drill Pipe Run 3232 Mud Wt. 9.3
 Top Packer Depth 3226 Drill Collars Run 0 Vis 5.3
 Bottom Packer Depth 3231 Wt. Pipe Run 0 WL 8.8
 Total Depth 3291 Chlorides 5000 ppm System LCM 0

Blow Description IF-Strong building blow. BOB in 8 minutes.
IST- Return @ 30 seconds, Built to 3 inches.
FF-Strong building blow. BOB in 4 minutes 30 seconds.
EST- Return @ 2 minutes. Built to 1/4 inch.

Rec <u>589</u>	Feet of <u>Cassy Oil</u>	<u>40</u> %gas	<u>60</u> %oil	%water	%mud
Rec <u>186</u>	Feet of <u>Cassy Oil Mud</u>	<u>40</u> %gas	<u>10</u> %oil	%water	<u>50</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>G.I.P. 279'</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 775 BHT 109 Gravity 41 API RW @ ° F Chlorides ppm

- (A) Initial Hydrostatic 1603
- (B) First Initial Flow 25
- (C) First Final Flow 171
- (D) Initial Shut-In 1080
- (E) Second Initial Flow 173
- (F) Second Final Flow 279
- (G) Final Shut-In 1659
- (H) Final Hydrostatic 1673

- ☒ Test 1125
- ☐ Jars
- ☐ Safety Joint
- ☐ Circ Sub
- ☐ Hourly Standby
- ☒ Mileage 90X2 225
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility
- Sub Total 1350

- T-On Location 0430
- T-Started 0530
- T-Open 0648
- T-Pulled 0905
- T-Out 1045
- Comments BUT-0527
- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies
- Sub Total 0
- Total 1350
- MP/DST Disc't

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Approved By

Our Representative

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