



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Graden City KS 67846

ATTN: Jim Musgrove

White #6-3

8-16s-10w Ellsworth,KS

Start Date: 2013.11.30 @ 10:44:00

End Date: 2013.11.30 @ 19:11:00

Job Ticket #: 55361 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.04 @ 09:58:20



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Graden City KS 67846
 ATTN: Jim Musgrove

8-16s-10w Ellsworth, KS

White #6-3

Job Ticket: 55361 **DST#: 1**
 Test Start: 2013.11.30 @ 10:44:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:28:30
 Time Test Ended: 19:11:00
 Interval: **3285.00 ft (KB) To 3360.00 ft (KB) (TVD)**
 Total Depth: 3360.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 53
 Reference Elevations: 1868.00 ft (KB)
 1858.00 ft (CF)
 KB to GR/CF: 10.00 ft

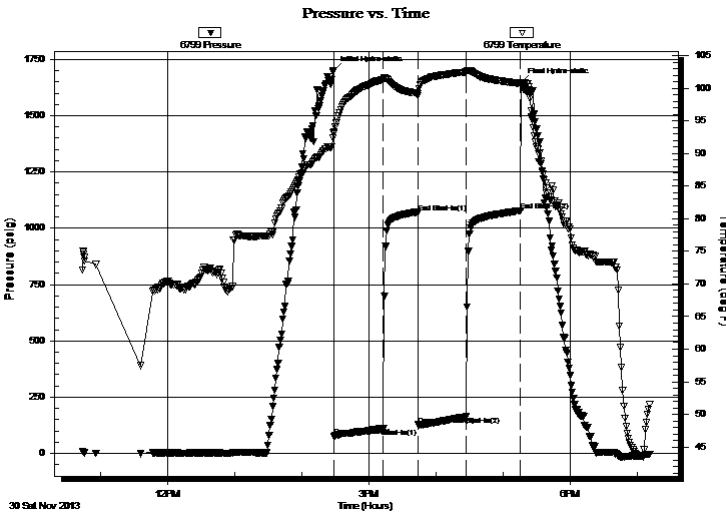
Serial #: 6799

Inside

Press@RunDepth: 162.92 psig @ 3352.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.30 End Date: 2013.11.30 Last Calib.: 2013.11.30
 Start Time: 10:44:05 End Time: 19:10:59 Time On Btm: 2013.11.30 @ 14:28:15
 Time Off Btm: 2013.11.30 @ 17:15:45

TEST COMMENT: 45 - IF- 9 1/2" blow
 30 - IS- No return
 45 - FF- 5" blow
 45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.35	93.23	Initial Hydro-static
1	76.73	93.00	Open To Flow (1)
45	111.50	101.33	Shut-In(1)
76	1070.18	99.20	End Shut-In(1)
76	126.73	98.89	Open To Flow (2)
119	162.92	102.49	Shut-In(2)
167	1077.42	100.73	End Shut-In(2)
168	1648.70	100.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCMW, 10%O, 30%M, 60%W	0.87
186.00	GHOCM, 10%G, 30%O, 60%M	2.61
45.00	GO, 40%G, 60%O	0.63
0.00	186' of G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Graden City KS 67846
ATTN: Jim Musgrove

8-16s-10w Ellsworth, KS

White #6-3

Job Ticket: 55361

DST#: 1

Test Start: 2013.11.30 @ 10:44:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:28:30

Time Test Ended: 19:11:00

Interval: **3285.00 ft (KB) To 3360.00 ft (KB) (TVD)**

Total Depth: 3360.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 53

Reference Elevations: 1868.00 ft (KB)

1858.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **8648**

Outside

Press@RunDepth: psig @ 3352.00 ft (KB)

Start Date: 2013.11.30 End Date: 2013.11.30

Start Time: 10:44:05 End Time: 19:08:59

Capacity: 8000.00 psig

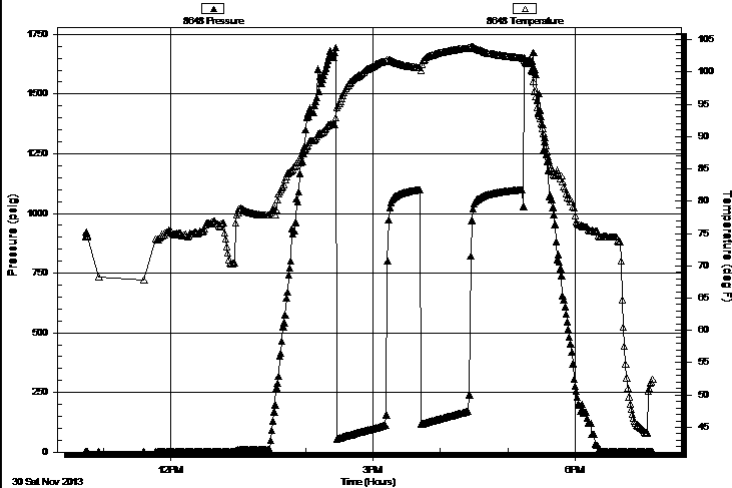
Last Calib.: 2013.11.30

Time On Btm:

Time Off Btm:

TEST COMMENT: 45 - IF- 9 1/2" blow
30 - IS- No return
45 - FF- 5" blow
45 - FS- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCMW, 10%O, 30%M, 60%W	0.87
186.00	GHOCM, 10%G, 30%O, 60%M	2.61
45.00	GO, 40%G, 60%O	0.63
0.00	186' of G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Graden City KS 67846
ATTN: Jim Musgrove

8-16s-10w Ellsworth,KS
White #6-3
Job Ticket: 55361 **DST#: 1**
Test Start: 2013.11.30 @ 10:44:00

Tool Information

Drill Pipe:	Length: 3286.00 ft	Diameter: 3.80 inches	Volume: 46.09 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	36000.00 lb
			<u>Total Volume: 46.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3285.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.00 ft				
Tool Length:	96.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3265.00	
Shut In Tool	5.00			3270.00	
Hydraulic tool	5.00			3275.00	
Packer	5.00			3280.00	21.00 Bottom Of Top Packer
Packer	5.00			3285.00	
Stubb	1.00			3286.00	
Perforations	2.00			3288.00	
Change Over Sub	1.00			3289.00	
Drill Pipe	62.00			3351.00	
Change Over Sub	1.00			3352.00	
Recorder	0.00	6799	Inside	3352.00	
Recorder	0.00	8648	Outside	3352.00	
Perforations	5.00			3357.00	
Bullnose	3.00			3360.00	75.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Graden City KS 67846
ATTN: Jim Musgrove

8-16s-10w Ellsworth,KS
White #6-3
Job Ticket: 55361 **DST#: 1**
Test Start: 2013.11.30 @ 10:44:00

Mud and Cushion Information

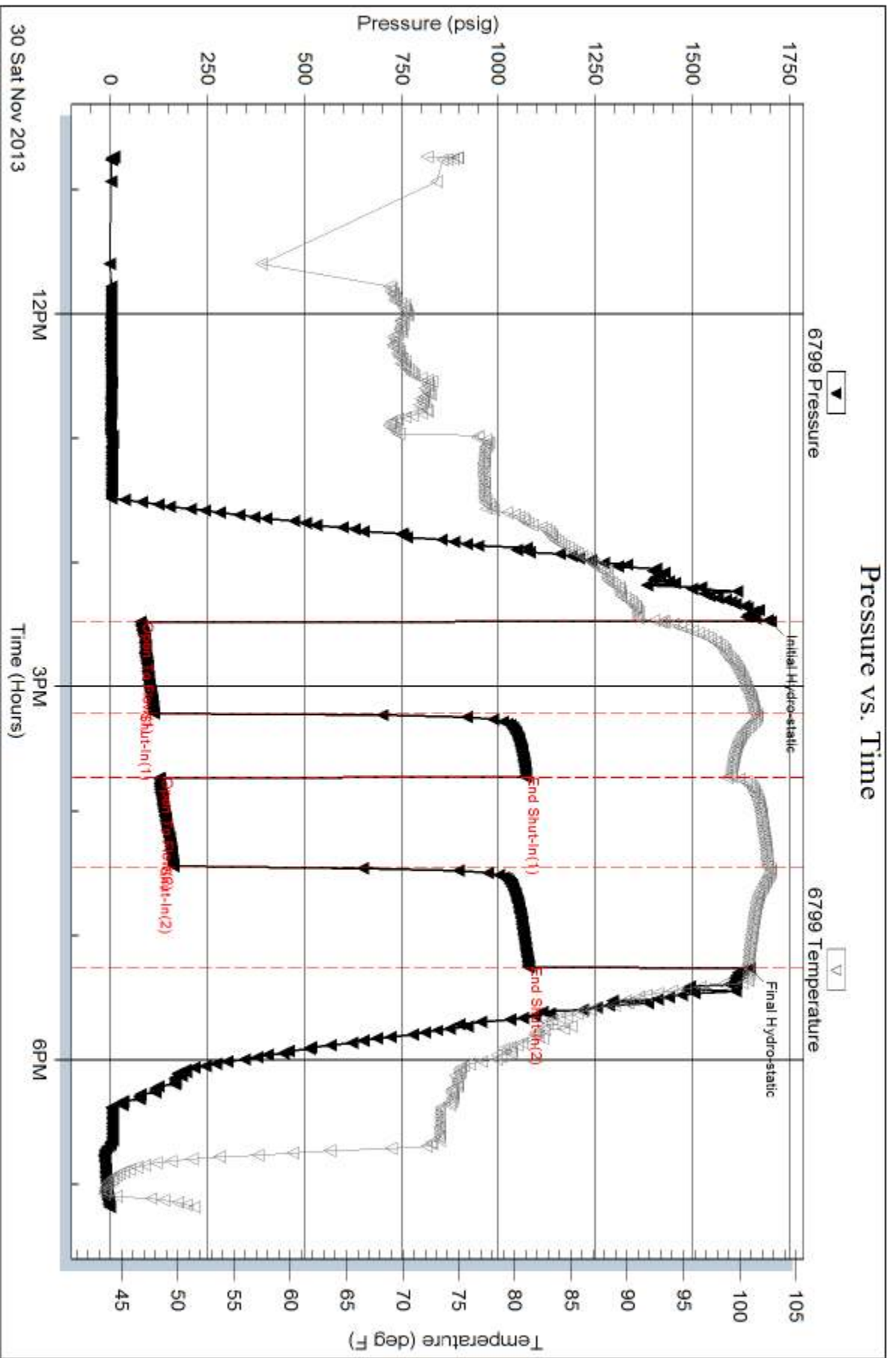
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SOCMW, 10%O, 30%M, 60%W	0.870
186.00	GHOCM, 10%G, 30%O, 60%M	2.609
45.00	GO, 40%G, 60%O	0.631
0.00	186' of G.I.P.	0.000

Total Length: 293.00 ft Total Volume: 4.110 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

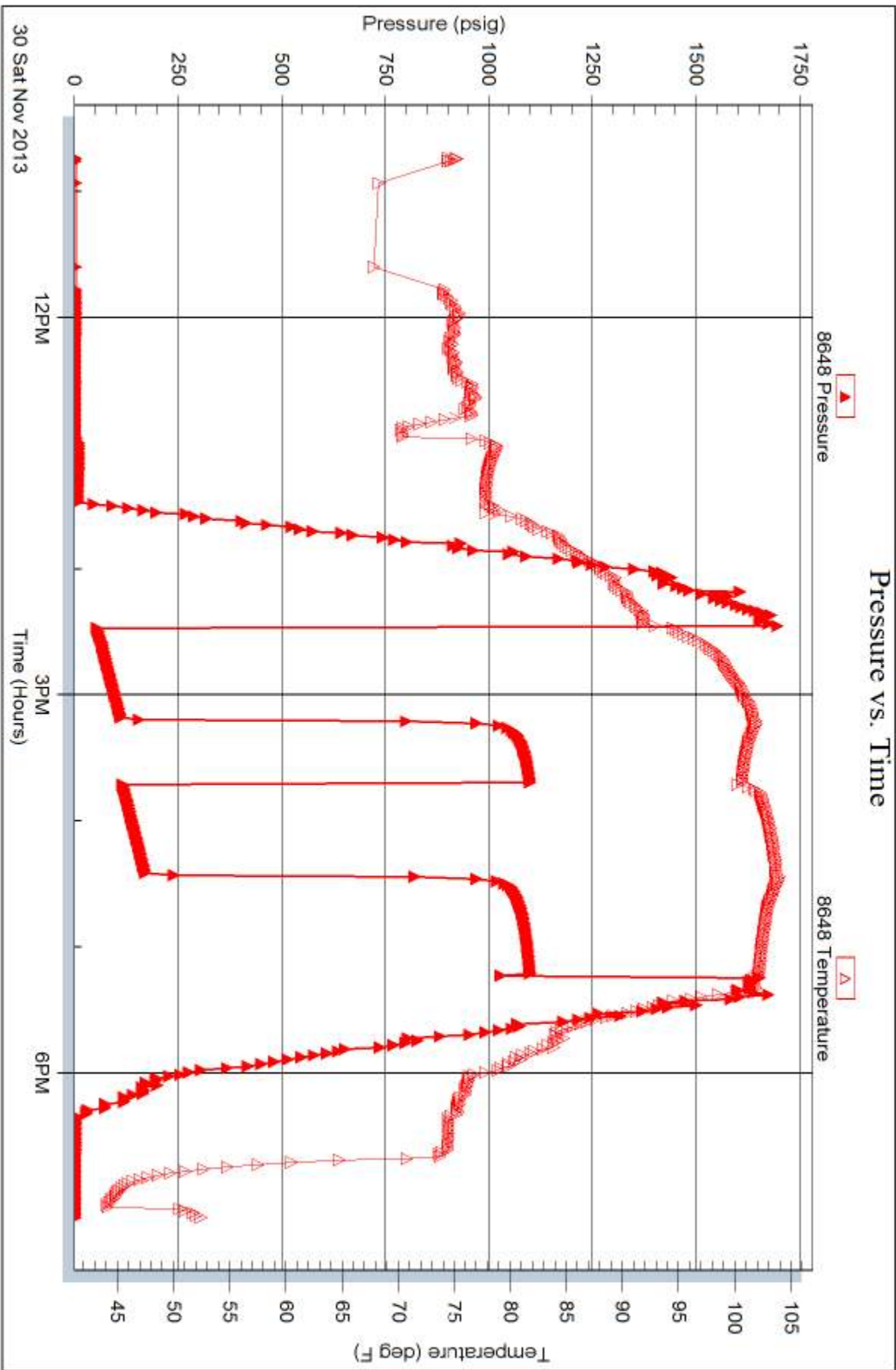


Serial #: 8648

Outside American Warrior Inc

White #6-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55361

Printed: 2013.12.04 @ 09:58:23



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55361

Well Name & No. White #6-3 Test No. 1 Date 11-30-13
 Company American Warrior INC Elevation 1868 KB 1858 GL
 Address 3118 Cummings Rd Garden City KS, 67846
 Co. Rep / Geo. Jim Musgrave Rig Duke #8
 Location: Sec. 8 Twp. 16s Rge. 10w Co. Ellsworth State KS

Interval Tested 3285 - 3360 Zone Tested Arbuckle
 Anchor Length 75' Drill Pipe Run 3286' Mud Wt. 9.05
 Top Packer Depth 3280 Drill Collars Run — Vis 55
 Bottom Packer Depth 3285 Wt. Pipe Run — WL 6.4
 Total Depth 3360 Chlorides 4.600 ppm System LCM —

Blow Description IF - 9 1/2" blow
ISI - No return
FF - 5" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>50 CMW</u>	<u>10</u>	<u>60</u>	<u>30</u>	<u>—</u>
<u>186</u>	<u>640 CM</u>	<u>10</u>	<u>30</u>	<u>60</u>	<u>—</u>
<u>45</u>	<u>60</u>	<u>40</u>	<u>60</u>	<u>—</u>	<u>—</u>
Rec	Feet of <u>186' G.I.P.</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 293' BHT 100° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1701 Test 1150 T-On Location 10:14am
 (B) First Initial Flow 76 Jars — T-Started 10:41 am
 (C) First Final Flow 111 Safety Joint — T-Open ~~10:41~~ 14:30
 (D) Initial Shut-In 1070 Circ Sub — T-Pulled 1715
 (E) Second Initial Flow 126 Hourly Standby — T-Out 1913
 (F) Second Final Flow 162 Mileage 118 RT 182.90 Comments —
 (G) Final Shut-In 1077 Sampler —
 (H) Final Hydrostatic 1648 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —

Initial Open 45 Extra Packer — Extra Copies —
 Initial Shut-In 30 Extra Recorder — Sub Total 0
 Final Flow 45 Day Standby — Total 1332.90
 Final Shut-In 45 Accessibility — MP/DST Disc't —
 Sub Total 1332.90

Approved By _____ Our Representative Cody B...

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 of 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.