



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1219700
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1219700

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 063528

Federal Tax I.D.# 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Crutland

DATE <u>6-18-14</u>	SEC. <u>8</u>	TWP. <u>16</u>	RANGE <u>10</u>	CALLED OUT	ON LOCATION <u>10pm</u>	JOB START <u>5 AM</u>	JOB FINISH <u>5:50 AM</u>
LEASE <u>White</u>		WELL# <u>7-8</u>		LOCATION <u>White Blk Top to Ave N, 1/2 E,</u>		COUNTY <u>Ellsworth</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				SINCE <u> </u>			

CONTRACTOR Duke 8 OWNER _____

TYPE OF JOB Surface

HOLE SIZE 17 1/2" T.D. _____

CASING SIZE 8 7/8" DEPTH 363.07

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 Ft

PERFS. _____

DISPLACEMENT 22.17 bbl fresh water

CEMENT AMOUNT ORDERED 250 sks class A 3% cc 2% gel

EQUIPMENT

PUMP TRUCK CEMENTER Josh Secc

366 HELPER Ben Russell

BULK TRUCK

871-112 DRIVER Bodenberg

BULK TRUCK

_____ DRIVER _____

COMMON	<u>250</u>	@ <u>17.90</u>	<u>4,475.00</u>
POZMIX		@	
GEL	<u>470</u>	@ <u>1.05</u>	<u>493.50</u>
CHLORIDE	<u>705</u>	@ <u>1.10</u>	<u>775.50</u>
ASC		@	
<u>Materials Total</u>			<u>5,744.00</u>
	<u>Disc</u>	@ <u>25%</u>	<u>1,436.00</u>
<u>Service</u>			
HANDLING	<u>270.33</u>	@ <u>2.48</u>	<u>670.41</u>
MILEAGE	<u>12.33 x 25</u>	@ <u>2.75</u>	<u>847.68</u>

REMARKS:

On location - Rig up - had safety meeting

Run 8 7/8 casing, break circulation (1/2 rig run)

Run 1 1/2" drill from well to ahead

Mix 250 sks class A 3% cc 2% gel

Drop plug

Displace 22.17 bbl fresh water

Shot in 5:15 AM

Cement + did Circulate

Rig down

DEPTH OF JOB _____		
PUMP TRUCK CHARGE	<u>1512.25</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>Hum 25</u>	@ <u>7.70</u>	<u>192.50</u>
MANIFOLD	@	
<u>Hum 25</u>	@ <u>4.40</u>	<u>110.00</u>

CHARGE TO: American Lumber

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 3,332.84

25% 833.21

PLUG & FLOAT EQUIPMENT

<u>Rubber Plug</u>	@ <u>131.00</u>	<u>131.00</u>
	@	
	@	
	@	

25% TOTAL 131.00

32.75

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X STEVE STEPHENS

SIGNATURE X Steve Stephens

Thank you!!

SALES TAX (If Any) _____

TOTAL CHARGES 9,207.84

25% 2,301.96

DISCOUNT _____ IF PAID IN 30 DAYS

6,905.88



CHARGE TO: *American Wells Inc*
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 26641

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Days Ave</i>	WELL/PROJECT NO. <i>11-8</i>	LEASE <i>White</i>	COUNTY/PARISH <i>Missouri</i>	STATE <i>Mo</i>	CITY	DATE <i>6-24-14</i>	OWNER <i>S...</i>
2. <i>Ness City, Mo</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>D. K. ...</i>	RIG NAME/NO.	SHIPPED VIA <i>...</i>	DELIVERED TO <i>...</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Leasing</i>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
571		1			MILEAGE <i>#111</i>					6.00	360.00
578		1			<i>Permit Charge (Leasing)</i>			3448		1500.00	1560.00
221		1			<i>1.00</i>			2		25.00	50.00
281		1			<i>Mud Wash</i>			500		1.25	625.00
296		1			<i>W. Air</i>			2		42.50	85.00
162		1			<i>Costalizations</i>			8	<i>5 1/2"</i>	70.00	560.00
463		1			<i>Pusher</i>			1		300.00	300.00
466		1			<i>L-D Plug & Bulb</i>			1		275.00	275.00
467		1			<i>...</i>			1		375.00	375.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS*

X *[Signature]*
 DATE SIGNED *6-24-14* TIME SIGNED *1:33* A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	<i>4129.00</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>5-22</i>	<i>50</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	<i>4151.50</i>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Ellsworth TAX @ 7.15%	<i>456.99</i>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	<i>9608.49</i>
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

White #7-8

8-16S-10W Ellsworth, KS

Start Date: 2014.06.23 @ 05:31:15

End Date: 2014.06.23 @ 13:21:45

Job Ticket #: 59427 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.26 @ 13:15:14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

8-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

White #7-8

Job Ticket: 59427

DST#: 1

ATTN: Jim Musgrove

Test Start: 2014.06.23 @ 05:31:15

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:39:45

Time Test Ended: 13:21:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 48

Interval: 3284.00 ft (KB) To 3346.00 ft (KB) (TVD)

Reference Elevations: 1873.00 ft (KB)

Total Depth: 3346.00 ft (KB) (TVD)

1865.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8321 Outside

Press@RunDepth: 835.36 psig @ 3285.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.23

End Date:

2014.06.23

Last Calib.:

2014.06.23

Start Time: 05:31:16

End Time:

13:21:45

Time On Btm:

2014.06.23 @ 08:37:15

Time Off Btm:

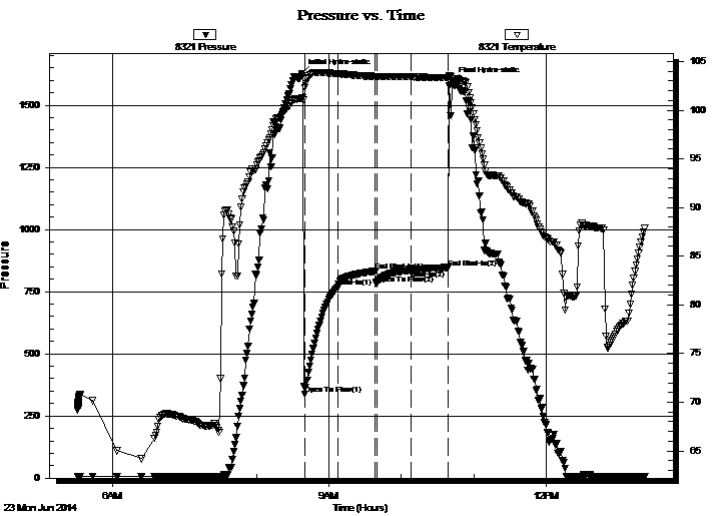
2014.06.23 @ 10:42:15

TEST COMMENT: 30- IF- BOB 30 secs

30- IS- No blow

30- FF- BOB 2 mins

30- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.56	101.21	Initial Hydro-static
3	338.50	102.32	Open To Flow (1)
30	767.33	103.73	Shut-In(1)
61	832.41	103.45	End Shut-In(1)
62	781.29	103.42	Open To Flow (2)
91	835.36	103.42	Shut-In(2)
122	847.53	103.35	End Shut-In(2)
125	1593.64	103.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	CO	0.07
340.00	SOCM, 5%O 95%M	4.64
1575.00	MW, 10%M 90%W	21.52

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

8-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

White #7-8

Job Ticket: 59427

DST#: 1

ATTN: Jim Musgrove

Test Start: 2014.06.23 @ 05:31:15

Tool Information

Drill Pipe:	Length: 3285.00 ft	Diameter: 3.75 inches	Volume: 44.88 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 77000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3284.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	82.00 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	20.00 Bottom Of Top Packer
Packer	4.00			3284.00	
Stubb	1.00			3285.00	
Recorder	0.00	8372	Inside	3285.00	
Recorder	0.00	8321	Outside	3285.00	
Perforations	24.00			3309.00	
Change Over Sub	1.00			3310.00	
Drill Pipe	32.00			3342.00	
Change Over Sub	1.00			3343.00	
Bullnose	3.00			3346.00	62.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

8-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

White #7-8

Job Ticket: 59427

DST#: 1

ATTN: Jim Musgrove

Test Start: 2014.06.23 @ 05:31:15

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: 22000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.98 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
5.00	CO	0.068
340.00	SOCM, 5%O 95%M	4.645
1575.00	MW, 10%M 90%W	21.516

Total Length: 1920.00 ft Total Volume: 26.229 bbl

Num Fluid Samples: 0

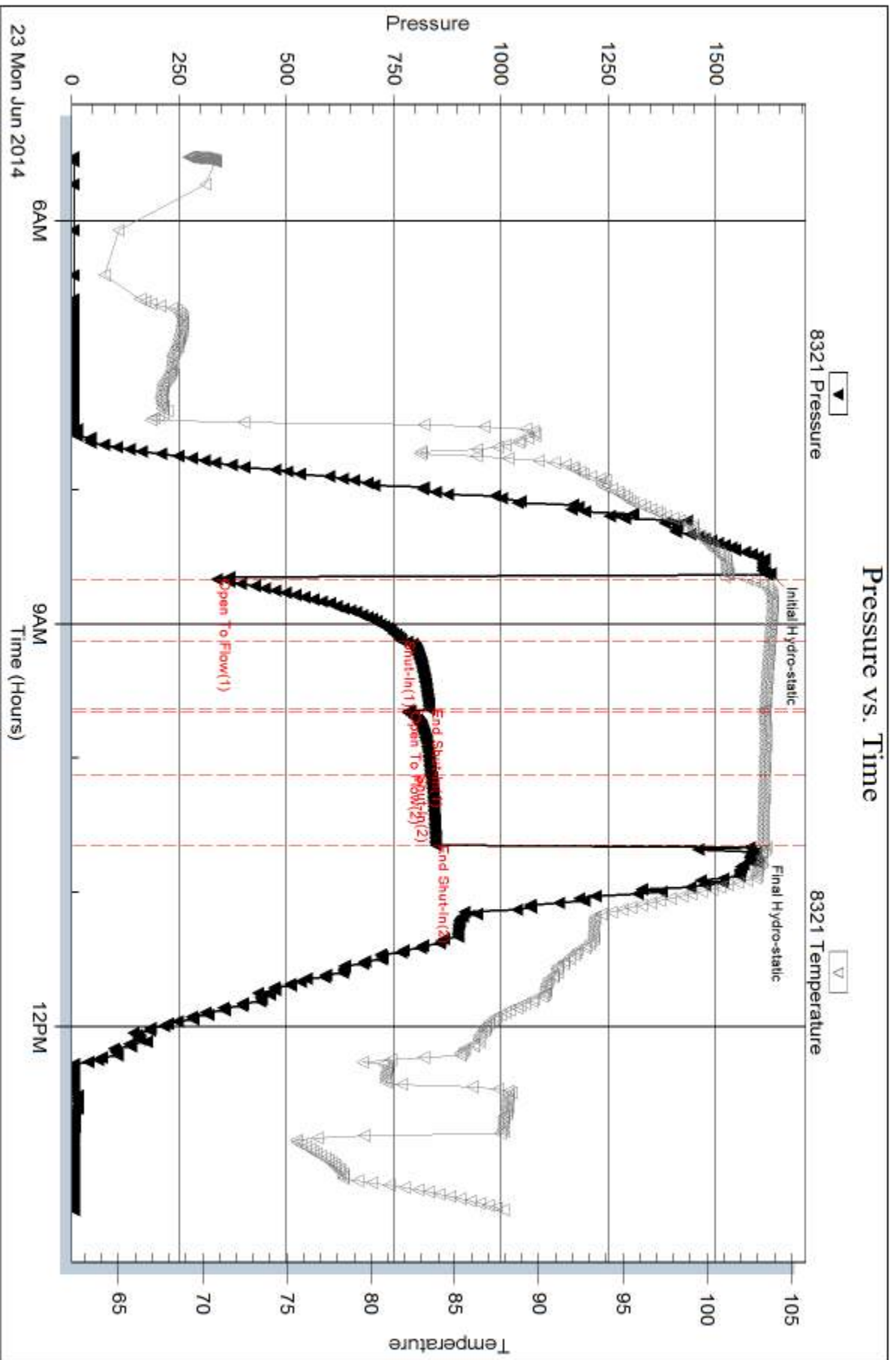
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



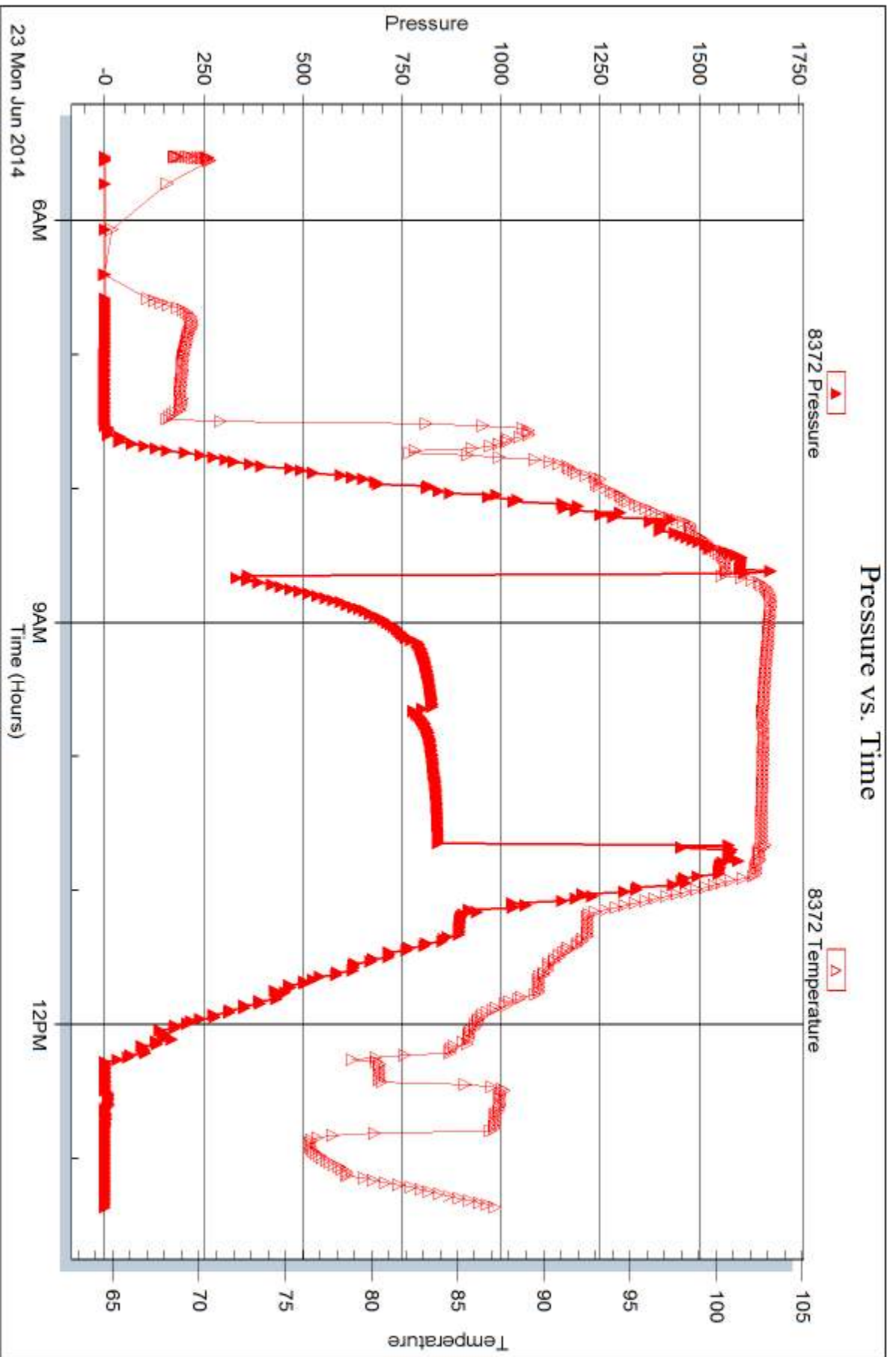
Serial #: 8372

Inside

American Warrior, Inc.

White #7-8

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59427

Printed: 2014.06.26 @ 13:15:15



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

White #7-8

8-16S-10W Ellsworth, KS

Start Date: 2014.06.24 @ 04:59:15

End Date: 2014.06.24 @ 13:18:15

Job Ticket #: 59428 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.26 @ 13:14:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Jim Musgrove

8-16S-10W Ellsworth, KS

White #7-8

Job Ticket: 59428 **DST#: 2**

Test Start: 2014.06.24 @ 04:59:15

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 08:18:45
 Tester: Brannan Lonsdale
 Time Test Ended: 13:18:15
 Unit No: 48
 Interval: **3324.00 ft (KB) To 3338.00 ft (KB) (TVD)**
 Reference Elevations: 1873.00 ft (KB)
 Total Depth: 3446.00 ft (KB) (TVD)
 1865.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

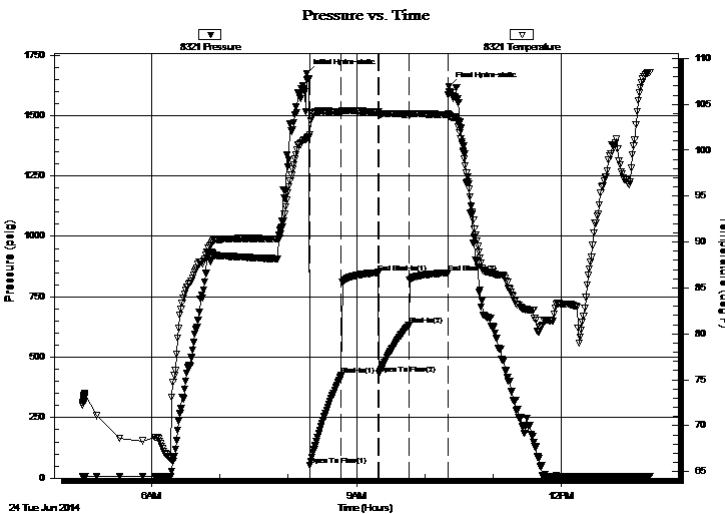
Serial #: 8321

Outside

Press@RunDepth: 634.36 psig @ 3325.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.24 End Date: 2014.06.24 Last Calib.: 2014.06.24
 Start Time: 04:59:16 End Time: 13:18:15 Time On Btm: 2014.06.24 @ 08:16:15
 Time Off Btm: 2014.06.24 @ 10:21:15

TEST COMMENT: 30- IF- BOB 1 min
 30- IS- No blow
 30- FF- BOB 3 mins
 30- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.96	101.28	Initial Hydro-static
3	53.57	101.67	Open To Flow (1)
31	425.58	104.12	Shut-In(1)
63	850.68	104.13	End Shut-In(1)
64	431.82	103.99	Open To Flow (2)
90	634.36	103.89	Shut-In(2)
124	849.45	103.86	End Shut-In(2)
125	1620.18	103.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	CO	0.27
465.00	GMCOV, 10%G 15%M 25%O 50%W	6.35
945.00	MW w / oil scum on top, 5%M 95%W	12.91
0.00	20' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

8-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

White #7-8

Job Ticket: 59428

DST#: 2

ATTN: Jim Musgrove

Test Start: 2014.06.24 @ 04:59:15

Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 3.75 inches	Volume: 45.31 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3324.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	3338.00 ft			
Interval between Packers:	14.00 ft			
Tool Length:	140.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3310.00	
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Packer	4.00			3324.00	15.00 Bottom Of Top Packer
Stubb	1.00			3325.00	
Recorder	0.00	8321	Outside	3325.00	
Recorder	0.00	8372	Inside	3325.00	
Perforations	9.00			3334.00	
Blank Off Sub	1.00			3335.00	
Blank Spacing	3.00			3338.00	
Packer	2.00			3340.00	14.00 Tool Interval
Packer	5.00			3345.00	
Recorder	0.00	8647	Below	3345.00	
Perforations	4.00			3349.00	
Change Over Sub	1.00			3350.00	
Drill Pipe	95.00			3445.00	
Change Over Sub	1.00			3446.00	
Bullnose	3.00			3449.00	111.00 Bottom Packers & Anchor

Total Tool Length: 140.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

8-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

White #7-8

Job Ticket: 59428

DST#: 2

ATTN: Jim Musgrove

Test Start: 2014.06.24 @ 04:59:15

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:

19000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	CO	0.273
465.00	GMCOW, 10%G 15%M 25%O 50%W	6.352
945.00	MW w / oil scum on top, 5%M 95%W	12.909
0.00	20' GIP	0.000

Total Length: 1430.00 ft

Total Volume: 19.534 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

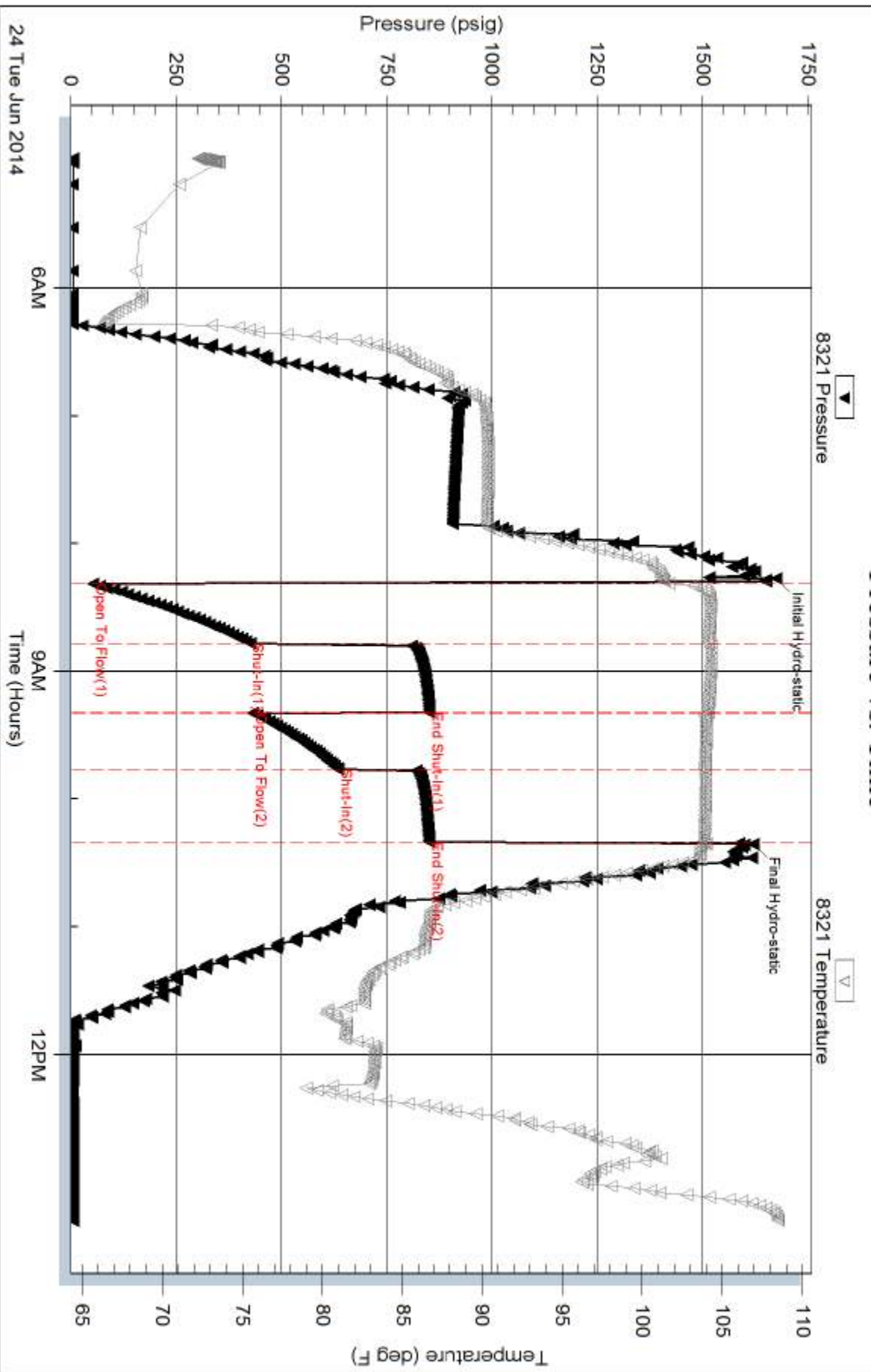
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



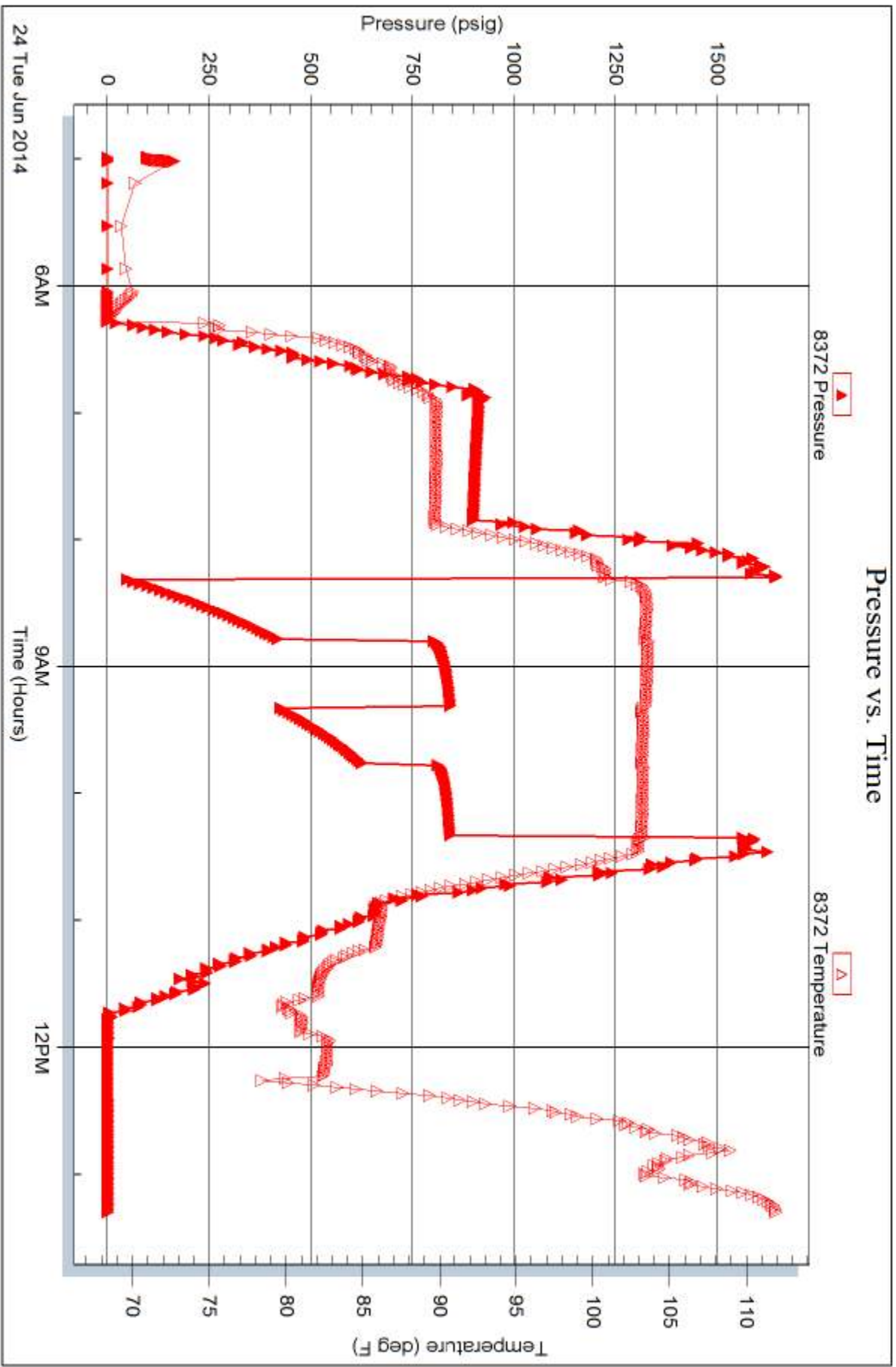
Serial #: 8372

Inside

American Warrior, Inc.

White #7-8

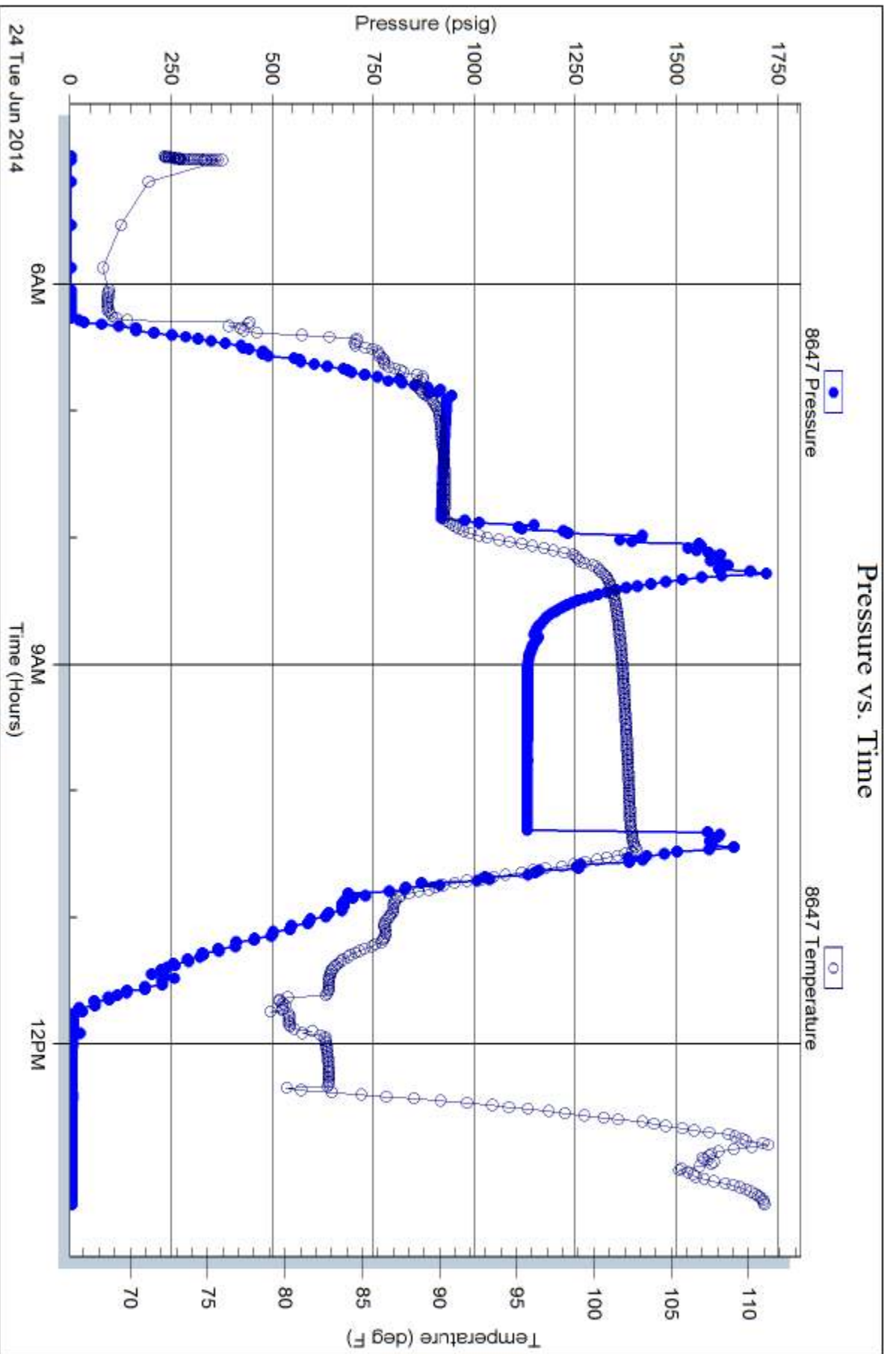
DST Test Number: 2

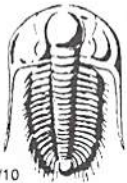


Tribble Testing, Inc

Ref. No: 59428

Printed: 2014.06.26 @ 13:14:20





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59427

Well Name & No. White #7-8 Test No. 1 Date 6/23/14
 Company American Warriors, Inc Elevation 1872 KB 1865 GL
 Address 3118 Cummings Rd. PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Tom Musgrove Rig Duke #8
 Location: Sec. 8 Twp. 16S Rge. 10W Co. Ellsworth State KS

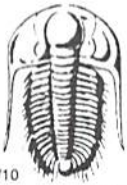
Interval Tested 3284-3346 Zone Tested Arbuckle
 Anchor Length 62' Drill Pipe Run 3285 Mud Wt. 9.1
 Top Packer Depth 3279 Drill Collars Run --- Vis 47
 Bottom Packer Depth 3284 Wt. Pipe Run --- WL 10.0
 Total Depth 3346 Chlorides 5000 ppm System LCM Tr
 Blow Description IF - BOB 30 secs
FSI - No blow
FF - BOB 2 mins
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>CO</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>340</u>	<u>SOCM</u>	<u>5</u>	<u>0</u>	<u>95</u>	<u>0</u>
<u>1575</u>	<u>MW</u>	<u>0</u>	<u>90</u>	<u>10</u>	<u>0</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 1920 BHT 103° Gravity _____ API RW 33 @ 76 ° F Chlorides 23,000 ppm

(A) Initial Hydrostatic 1629 Test 1150 T-On Location 0515
 (B) First Initial Flow 339 Jars _____ T-Started 0531
 (C) First Final Flow 267 Safety Joint _____ T-Open 0838
 (D) Initial Shut-In 832 Circ Sub _____ T-Pulled 1038
 (E) Second Initial Flow 781 Hourly Standby _____ T-Out 1321
 (F) Second Final Flow 835 Mileage 140 RT 217 Comments _____
 (G) Final Shut-In 848 Sampler _____
 (H) Final Hydrostatic 1594 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1367
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1367

Approved By _____ Our Representative Brannan Lonsdale
 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59428

Well Name & No. White #7-8 Test No. 2 Date 6/24/14
 Company American Warrior, Inc. Elevation 1872 KB 1865 GL
 Address 3118 Cummings Rd, PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jim Musgrove Rig Duke #8
 Location: Sec. 8 Twp. 16S Rge. 10W Co. Elkworth State KS

Interval Tested 3324-3338 Zone Tested Airbuckle
 Anchor Length 14' Tail: 111 Drill Pipe Run 3317 Mud Wt. 9.3
 Top Packer Depth 3324 Drill Collars Run --- Vis 56
 Bottom Packer Depth 3338-3343 Wt. Pipe Run --- WL 8.0
 Total Depth 3446 Chlorides 4900 ppm System LCM Tr.
 Blow Description IF-BOB 1min
ISI - No blow
FF-BOB 3mins
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>CO</u>				
<u>465</u>	<u>GMLOW</u>	<u>10%</u>	<u>25%</u>	<u>50%</u>	<u>15%</u>
<u>945</u>	<u>NW, vls cum of oil on top</u>			<u>95%</u>	<u>5%</u>
	<u>20' GIP</u>				

Rec Total 1430 BHT 104° Gravity --- API RW .28 @ 85° F Chlorides 19,000 ppm

(A) Initial Hydrostatic <u>1675</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0430</u>
(B) First Initial Flow <u>54</u>	<input type="checkbox"/> Jars	T-Started <u>0459</u>
(C) First Final Flow <u>426</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0818</u>
(D) Initial Shut-In <u>851</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1018</u>
(E) Second Initial Flow <u>432</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1318</u>
(F) Second Final Flow <u>634</u>	<input checked="" type="checkbox"/> Mileage <u>140 RT 217</u>	Comments
(G) Final Shut-In <u>849</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1620</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1967</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1967</u>	

Approved By _____ Our Representative Brannan Lonsdale
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James C. Musgrove
 Petroleum Geologist
 Office (620) 588-4250 212 Main St. • P.O. Box 215 • Claflin, KS 67525
 Home (620) 587-3444

GEOLOGIST'S REPORT

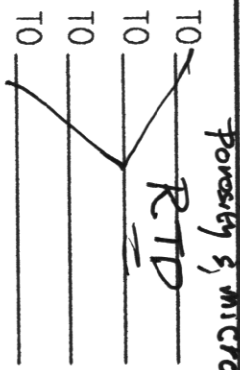
DRILLING TIME AND SAMPLE LOG

COMPANY American Warrior Inc.
 LEASE White 7-8
 FIELD Stoltenberg
 LOCATION NE. 7NW-5E. 1W (1425' FNL 1800' EWL)
 SEC 8 TWPSP 16S RGE 10W
 COUNTY Ellsworth STATE Kansas
 CONTRACTOR Duke Drilling Co (rig #8)
 SPUD 6/17/24 COMP 6/24/2014
 RTD 3446 LTD 3449
 MUD UP 2500 f TYPE MUD Chemical displaced
 SAMPLES SAVED FROM 2700
 DRILLING TIME KEPT FROM 2700
 SAMPLES EXAMINED FROM 2800
 GEOLOGICAL SUPERVISION FROM 2900
 GEOLOGIST ON WELL Jim Musgrove

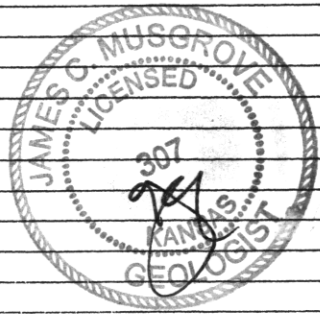
FORMATION TOPS	LOG	SAMPLES
<u>anhydrite</u>	<u>688</u>	<u>+985</u>
<u>base anhydrite</u>	<u>705</u>	<u>+968</u>
<u>Hebner</u>	<u>2896</u>	<u>-1023</u>
<u>Toronto</u>	<u>2916</u>	<u>-1043</u>
<u>Douglas</u>	<u>2926</u>	<u>-1053</u>
<u>Brown lime</u>	<u>2998</u>	<u>-1125</u>
<u>Unsing</u>	<u>3013</u>	<u>-1140</u>
<u>Base Kansas City</u>	<u>3308</u>	<u>-1435</u>
<u>Arbuckle</u>	<u>3328</u>	<u>-1455</u>
<u>RTD</u>	<u>3446</u>	<u>-1578</u>
<u>LTD</u>	<u>3449</u>	<u>-1578</u>

ELEVATIONS
 KB 1873
 DF _____
 GL 1865
 Measurements Are All From -KB,

CASING 363
 SURFACE 878116
 PRODUCTION 5/2116.3445
 ELECTRICAL SURVEYS
Pioneer
Dual induction, Dual Compensated
Porosity & micro



REMARKS
5 1/2' production casing was set & cemented in the White 7-8.
Respectfully submitted,
James C. Musgrove
Petroleum Geologist



LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite

DRILLING TIME

5051

2077 907

2997(-1124)

Leansing
3012(-1129)

LS, brown/gry, slightly
dry (dsc)
gry/gryish green silty sh
LS, wh/crm, ool, sub oom,
chuky, scatt o; fr. blk/gry
stn, nsfo, no odor

LS, wh/gry, ool, oom, good
oom (barren)

LS, crm/gry, oom, chuky
fr. brown stn, nsfo,
no odor
+ wh, ool, Δ

LS, wh/gry, ool/foss,
chuky, scatt o, ns

?

LS, crm/wh-gry, oom, fr. oom o
fr. pool gry/brown stn, nsfo
no odor.

aa.

??

blk calc st

LS, tan, brown,
slightly dry (dsc)

LS, wh/gry, ool, chuky
few ??? stn, nsfo
no odor

LS, wh/crm, oom, fr. oom o
ns

20

40

60

80

3100

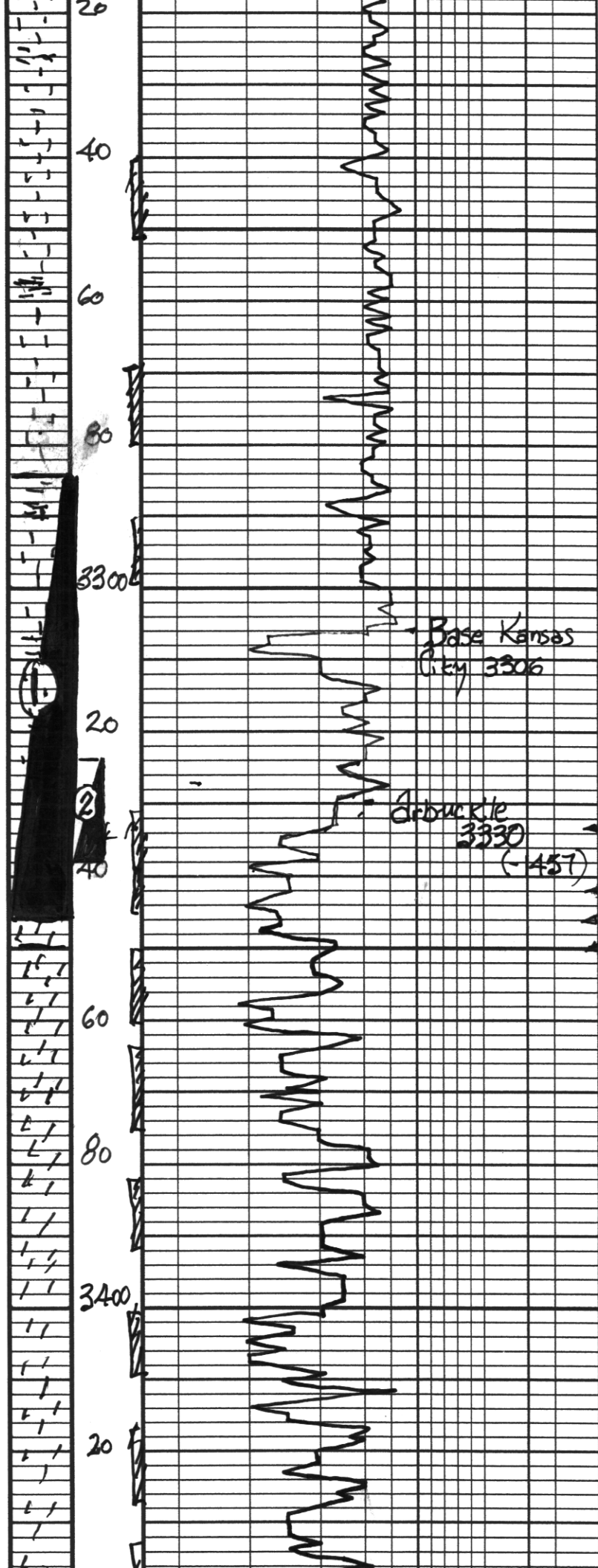
20

40

60

80

3200



blk. carb sh	
ls tan. gm, few foss cherty sil	
} ?	
aa wh/gm/amber Δ	
} 2	
ls, wh/crm, frt, few foss, cherty sil	
blk sh	
ls wh/gm; cherty - dense	
gm/pr/ blk sh	
} 2	
ls, gm/tan, Δy (dsc)	Drill stem test #1 3284-3346 30-30-30-30 Blow; Strmg (COBB 30 Secs)
} 2	
dd; wh/crm, (xL) few sec. slightly Δy; brown stn, sfo, ft. odor (SOIL PR TXL)	2nd opening; Strmg (COBB 2 mins)
dd; crm, wh, medly sct brown stn, sfo, odor (good)	Rec; 5' clean oil 340' slightly oil cut mud (5% oil) 95% mud
dd; wh/crm, med/coarse xt/good TX-L; brown stn/sct sfo, good odor	1575' muddy water pressures;
} 2	
aa; sctd/to good TX-L/yaggy; brown golden brown silty stn, fr. sil, ft. odor	Isip 832 ps fsip 847 Ifp 338-767 fsip 781-835 HSH 1629-1594 ps
} 1	
dd; ady (few silty) blk/gm (stn) nsfo, sct odor	
} 2	
dd; crm/wh (xL) few med xt fr TX-L v n/s wh A	Dst #2 3324-3338 (straddle test) 30-30-30-30 Blow; Strmg (COB 1 mins)
	2nd

40

RTD 3346

32

and opening string
(Bob 3 mins)

Recovery; 20' clean oil

465' oil; Gas cut
muddy water

(10% gas; 15% mud;
25% oil; 50% water)

945' muddy water
scum of oil

pressure; ISIP 851 psi
SSIP 850
IFP 54
SFP -426
HSH 432-634

1675
- 1620 psi