



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1193712
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: _____

1193712

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Hoffman 8-2
Doc ID	1193712

All Electric Logs Run

Sonic
Micro
Dual IND.
Dual Comp. Porosity

ALLIED OIL & GAS SERVICES, LLC 061075

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Greenville, TX

DATE <u>2-12-13</u>	SEC. <u>2</u>	TWP. <u>17S</u>	RANGE <u>12W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 AM</u>	JOB FINISH <u>3:30 AM</u>
LEASE <u>Hoffman</u>	WELL # <u>40-2</u>	LOCATION <u>2 1/2 mi 3 N 1/2 W 9/290</u>			COUNTY <u>Harrison</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Duke Drilling #8
TYPE OF JOB surface
HOLE SIZE 12 1/4 T.D.
CASING SIZE 4 5/8 DEPTH 419.02
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15 1/2
PERFS.
DISPLACEMENT 25,73 bbls freshwater

EQUIPMENT

PUMP TRUCK CEMENTER Rustin Chambers
296 HELPER Mike Seaborn
BULK TRUCK
610-170 DRIVER Tommy Tijerina
BULK TRUCK
DRIVER

REMARKS:

pump 5 bbls freshwater ahead
plug 2.50 sks class A 3 1/2 cc 2 1/2 gal
plug down & release plug
Displace 25,73 bbls freshwater
good shut in
cement did circulate
plug down 2:45 AM
plug down

CHARGE TO: American warrior
STREET _____
CITY _____ STATE _____ ZIP _____

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
Thom K Young

OWNER _____

CEMENT
AMOUNT ORDERED 250 sks class A
3 1/2 cc 2 1/2 gal

COMMON	<u>250</u>	@	<u>17.90</u>	<u>4,475.00</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>23.40</u>	<u>117.00</u>
CHLORIDE	<u>705</u>	@	<u>.80</u>	<u>564.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>274.83</u>	@	<u>2.48</u>	<u>671.65</u>
MILEAGE	<u>12.35 X 20 X</u>		<u>2.60</u>	<u>642.00</u>
				<u>TOTAL 6,469.85</u>

SERVICE

DEPTH OF JOB	<u>419</u>			
PUMP TRUCK CHARGE	<u>1512.35</u>			
EXTRA FOOTAGE		@		
MILEAGE Hum	<u>20</u>	@	<u>7.70</u>	<u>154.00</u>
MANIFOLD		@		
	<u>Hum 20</u>	@	<u>4.40</u>	<u>88.00</u>
		@		

TOTAL 1,754.35

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			

TOTAL _____

SALES TAX (If Any) _____
TOTAL CHARGES 8,224.10
1,644.82
DISCOUNT _____ IF PAID IN 30 DAYS
6,579.28



CHARGE TO:
American Warrior, Inc

ADDRESS

CITY, STATE, ZIP CODE

TICKET 25352

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Hays, Ks</i>	WELL/PROJECT NO. <i>8-2</i>	LEASE <i>Hoffman</i>	COUNTY/PARISH <i>Barton</i>	STATE <i>Ks</i>	CITY	DATE <i>12-18-13</i>	OWNER
2. <i>Ness City, Ks</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Duke DMC</i>	RIG NAME/NO. <i>#8</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>SE/Brown, Ks</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>infield</i>	JOB PURPOSE <i>Cement Longstring</i>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113	79		mi		600	47400
578		1			Pump Charge-cut Longstring	1	3447		ft	150000	150000
221		1			Liquid KCl	2		gal		2500	5000
281		1			Mud/Aeash	500		gal		125	62500
290		1			D-Air	2		gal		4200	8400
402		1			Centralizers	8	5 1/2	in		7000	56000
403		1			Cement Baskets	1	5 1/2	in		30000	30000
406		1			Latch Down Plug & Baffle	1	5 1/2	in		27500	27500
407		1			Insert Float Valve w/Auto-Fill	1	5 1/2	in		37500	37500

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 *Kavin by Don L.*

DATE SIGNED *12-18-13* TIME SIGNED *10:00*

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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P1	4189 00
WE UNDERSTOOD AND MET YOUR NEEDS?				P2	5090 53
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	9279 53
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Barton TAX 7.15%	456 92
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	9758 45
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *Don Lamm* APPROVAL

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 25352

CUSTOMER *American Warrior, Inc* WELL *S-2* DATE *12-18-13* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<i>325</i>		<i>2</i>				<i>Standard Cement Est. 2</i>	<i>175</i>	<i>SKS</i>	<i>16450</i>	<i>Lbs</i>	<i>1450</i>	<i>2537.50</i>
<i>276</i>		<i>2</i>				<i>Flucelo</i>	<i>44</i>	<i>Lbs</i>			<i>250</i>	<i>11088.00</i>
<i>283</i>		<i>2</i>				<i>Salt</i>	<i>875</i>	<i>Lbs</i>			<i>20</i>	<i>175.00</i>
<i>284</i>		<i>2</i>				<i>Calced</i>	<i>823</i>	<i>Lbs</i>	<i>9</i>	<i>SKS</i>	<i>3500</i>	<i>31500</i>
		<i>2</i>				<i>Halad 382</i>	<i>123</i>	<i>Lb.</i>			<i>800</i>	<i>98400</i>
<i>581</i>		<i>2</i>				SERVICE CHARGE <i>Cement</i>			CUBIC FEET <i>175 SKS</i>		<i>200</i>	<i>35000</i>
<i>583</i>		<i>2</i>				MILEAGE CHARGE	TOTAL WEIGHT <i>18315</i>	LOADED MILES <i>70</i>	TON MILES <i>6410.25</i>		<i>100</i>	<i>64103</i>

CONTINUATION TOTAL *5090.53*
112

JOB LOG

SWIFT Services, Inc.

DATE 12-18-13 PAGE NO. 25352
 TICKET NO. 25352

CUSTOMER American Water, Inc WELL NO. 8-2 LEASE Hoffman JOB TYPE Cement Lining

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		3450-TD DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1215							14" #4 5 1/2 On loc - 1-foot Equip
	1230							Rig LD D.C. Start 5 1/2" 14" #4 casing to 3447'
								Cement on every other ft. - See Insert float shoe w/ fill up L.D. Buffer - 5J-19 1/2 @ 3480 1/2 = 83.6 BBL
								Cut Bskt #4 pin in hole Drop fill up ball @ its out
	1240							Fin casing - Tag & Lay down JF
	1245							Rig cir - Joeso Mand
	1330							Fin cir. Plug RH-30SKS MH 20SK
	1340	5	12					200 Pump 520 gal Mand flush
		6	20					300 Pump 20 BBI KLL flush
		4 1/2						200 Start 125 SKS FA-2 cut.
			32					Val Fin cut. Washout Pump & Lines
		9-8 1/2	65					350 Drop L.D. Plug - Start Displ
		8-6	70					450 Caught press
	1415	5	83 1/2					750 Plug Down - Hold - Release of Hold
	1430							1500 Job Complete Thanks Alan, Jon, Craig Washing & Packing



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Hoffman #8-2

2-17s-12w Barton,KS

Start Date: 2013.12.15 @ 19:13:09

End Date: 2013.12.16 @ 01:41:09

Job Ticket #: 56026 DST #: 1

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

Printed: 2013.12.19 @ 09:14:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
 Job Ticket: 56026 **DST#: 1**
 Test Start: 2013.12.15 @ 19:13:09

GENERAL INFORMATION:

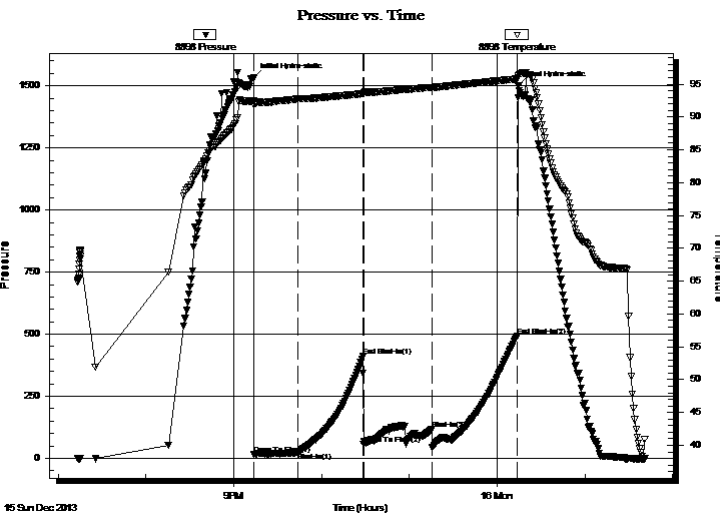
Formation: **LKC A-C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:13:49
 Time Test Ended: 01:41:09
 Interval: **3060.00 ft (KB) To 3115.00 ft (KB) (TVD)**
 Total Depth: 3115.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 1891.00 ft (KB)
 1883.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8898

Outside

Press@RunDepth: 117.61 psig @ 3097.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.15 End Date: 2013.12.16 Last Calib.: 2013.12.16
 Start Time: 19:13:10 End Time: 01:41:09 Time On Btm: 2013.12.15 @ 21:13:29
 Time Off Btm: 2013.12.16 @ 00:14:39

TEST COMMENT: Good surface blow built to 7 1/2"
 Dead no blow back
 B.O.B. In 30 mins
 Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.79	92.39	Initial Hydro-static
1	16.59	91.86	Open To Flow (1)
31	24.69	92.77	Shut-In(1)
75	409.90	93.54	End Shut-In(1)
76	55.34	93.57	Open To Flow (2)
122	117.61	94.51	Shut-In(2)
180	491.24	95.77	End Shut-In(2)
182	1500.75	96.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	30%G 40%O 20%W 10%M	0.14
40.00	3%G 2%O 95%M	0.56
0.00	260 GIP	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
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS

Hoffman #8-2

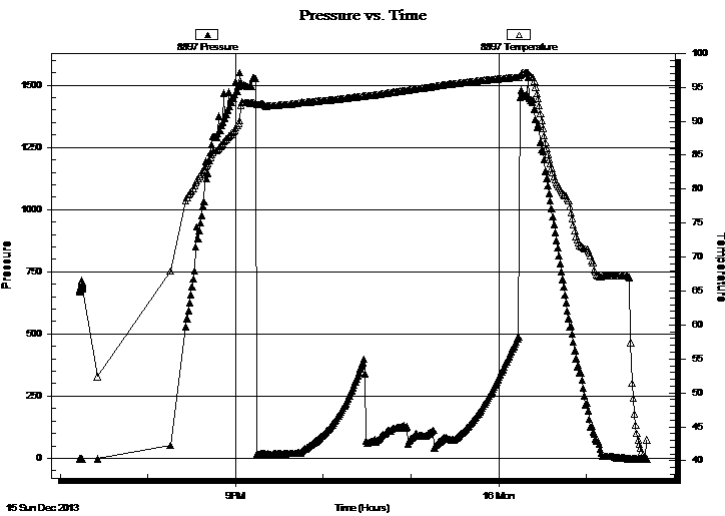
Job Ticket: 56026 **DST#: 1**
Test Start: 2013.12.15 @ 19:13:09

GENERAL INFORMATION:

Formation: **LKC A-C**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 21:13:49 Tester: Tate Lang
Time Test Ended: 01:41:09 Unit No: 49
Interval: 3060.00 ft (KB) To 3115.00 ft (KB) (TVD) Reference Elevations: 1891.00 ft (KB)
Total Depth: 3115.00 ft (KB) (TVD) 1883.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8897 Inside
Press@RunDepth: psig @ 3097.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.15 End Date: 2013.12.16 Last Calib.: 2013.12.16
Start Time: 19:13:21 End Time: 01:41:20 Time On Btm:
Time Off Btm:

TEST COMMENT: Good surface blow built to 7 1/2"
Dead no blow back
B.O.B. In 30 mins
Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	30%G 40%O 20%W 10%M	0.14
40.00	3%G 2%O 95%M	0.56
0.00	260 GIP	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
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56026 **DST#: 1**
Test Start: 2013.12.15 @ 19:13:09

Tool Information

Drill Pipe:	Length: 3059.00 ft	Diameter: 3.80 inches	Volume: 42.91 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 42.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3060.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 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			3038.00	
Hydraulic tool	5.00			3043.00	
Jars	5.00			3048.00	
Safety Joint	2.00			3050.00	
Packer	5.00			3055.00	27.00 Bottom Of Top Packer
Packer	5.00			3060.00	
Stubb	1.00			3061.00	
Perforations	3.00			3064.00	
Change Over Sub	1.00			3065.00	
Drill Pipe	31.00			3096.00	
Change Over Sub	1.00			3097.00	
Recorder	0.00	8897	Inside	3097.00	
Recorder	0.00	8898	Outside	3097.00	
Perforations	15.00			3112.00	
Bullnose	3.00			3115.00	55.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56026 **DST#: 1**
Test Start: 2013.12.15 @ 19:13:09

Mud and Cushion Information

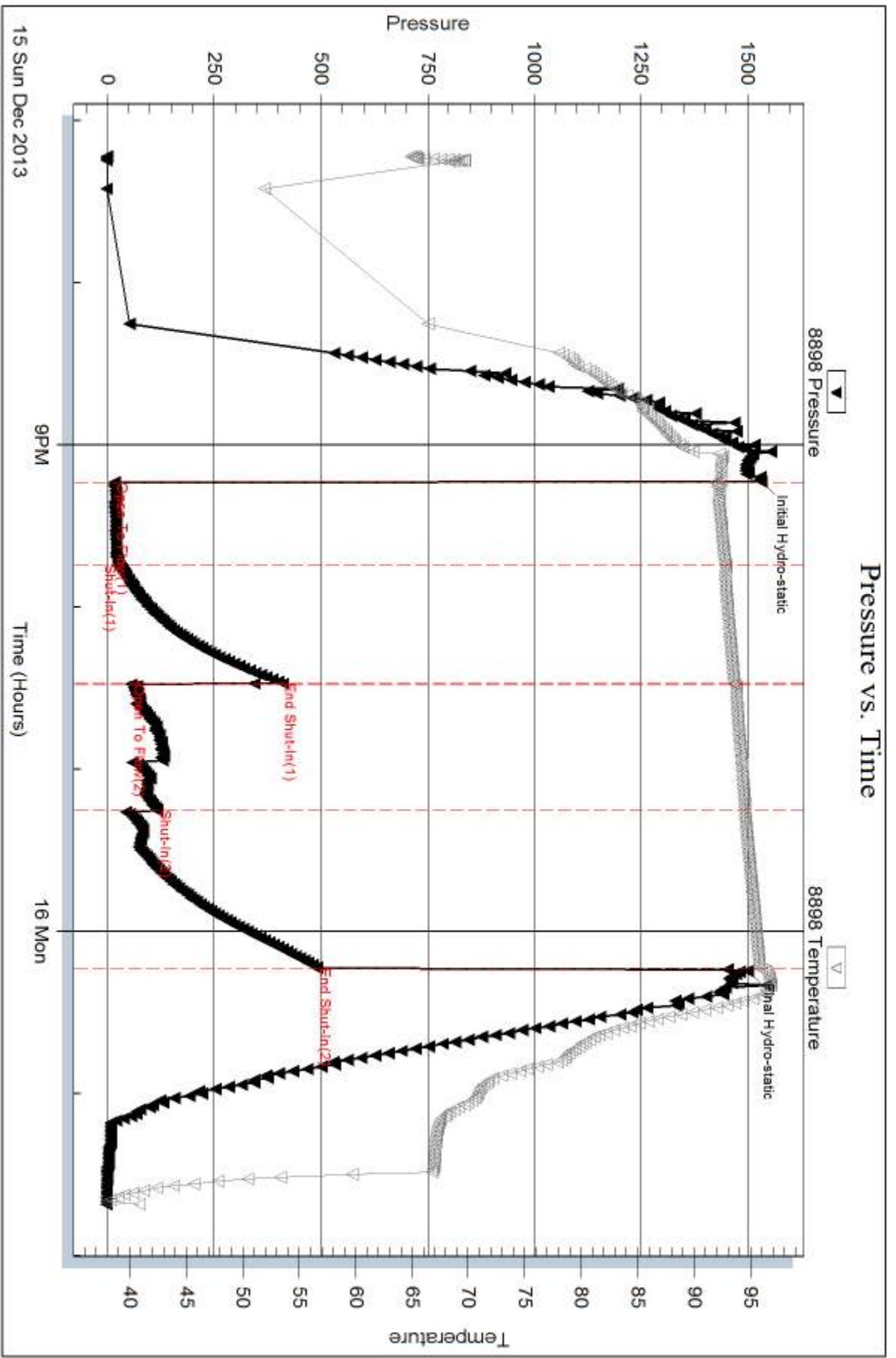
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	30%G 40%O 20%W 10%M	0.140
40.00	3%G 2%O 95%M	0.561
0.00	260 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:



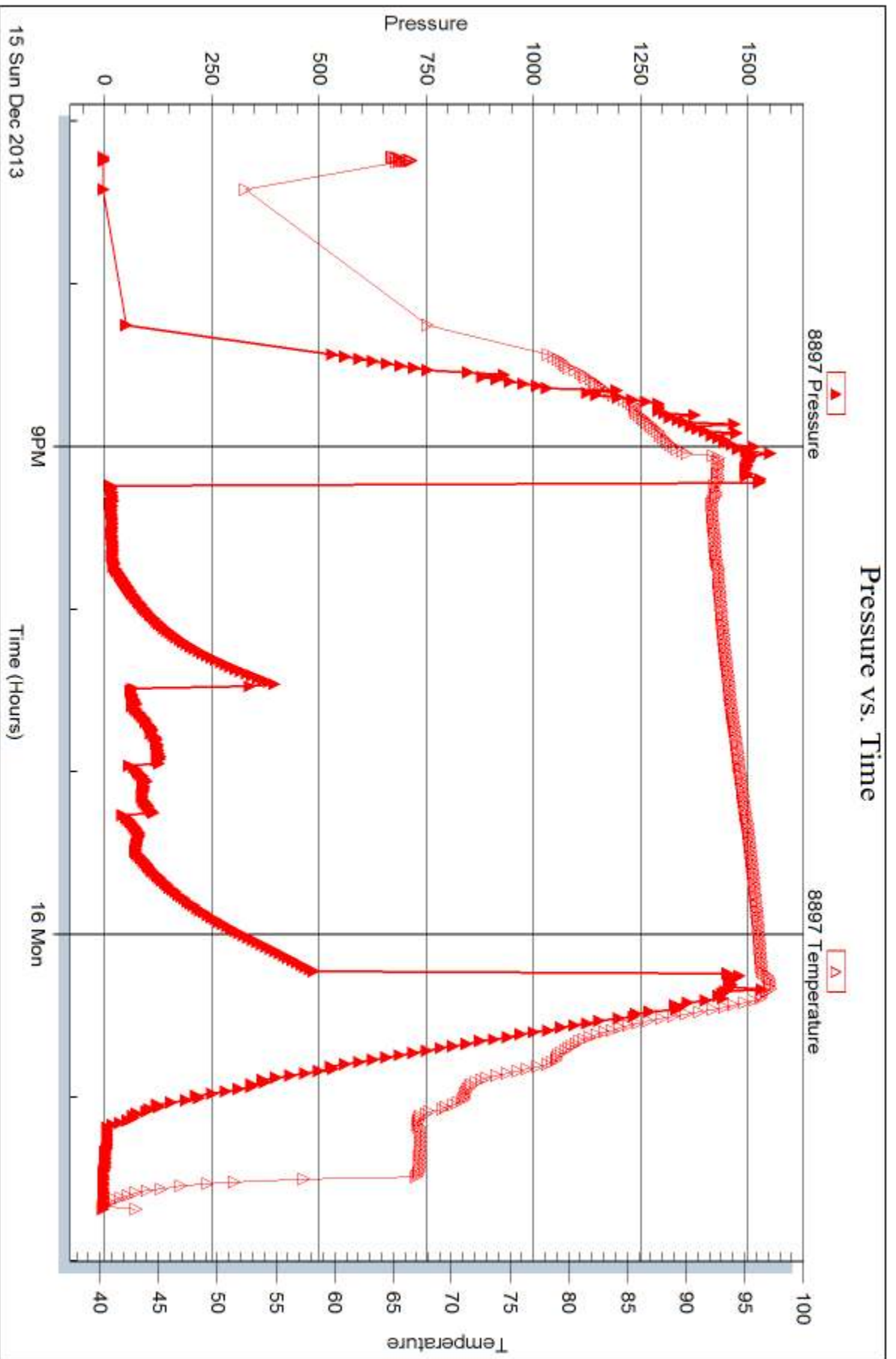
Serial #: 8897

Inside

American Warrior Inc

Hoffman #8-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 56026

Printed: 2013.12.19 @ 09:14:54



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Hoffman #8-2

2-17s-12w Barton,KS

Start Date: 2013.12.16 @ 10:14:57

End Date: 2013.12.16 @ 16:12:27

Job Ticket #: 56027 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.19 @ 09:14:13

American Warrior Inc
2-17s-12w Barton,KS
Hoffman #8-2
DST # 2
LKC D-Upper G
2013.12.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56027 **DST#: 2**
Test Start: 2013.12.16 @ 10:14:57

GENERAL INFORMATION:

Formation: **LKC D-Upper G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:53:27
Time Test Ended: 16:12:27
Interval: **3124.00 ft (KB) To 3159.00 ft (KB) (TVD)**
Total Depth: 3159.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 1891.00 ft (KB)
1883.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Tate Lang
Unit No: 49

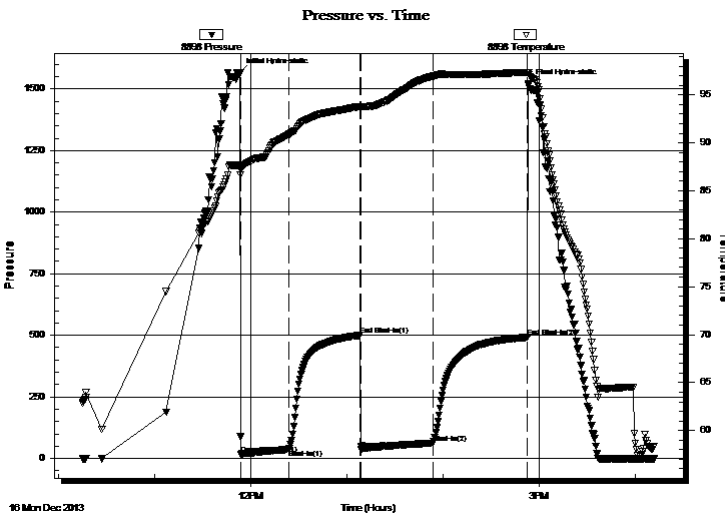
Serial #: 8898

Outside

Press@RunDepth: 63.03 psig @ 3131.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.16 End Date: 2013.12.16 Last Calib.: 2013.12.16
Start Time: 10:14:58 End Time: 16:12:27 Time On Btm: 2013.12.16 @ 11:53:07
Time Off Btm: 2013.12.16 @ 14:53:27

TEST COMMENT: B.O.B. In 15 mins
Dead no blow back
B.O.B. In 17 mins
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.86	87.71	Initial Hydro-static
1	16.92	87.19	Open To Flow (1)
31	37.01	90.88	Shut-In(1)
75	499.96	93.79	End Shut-In(1)
76	37.66	93.72	Open To Flow (2)
121	63.03	96.93	Shut-In(2)
180	492.09	97.35	End Shut-In(2)
181	1521.74	97.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	5%O 95%M	0.56
60.00	60%W 40%M	0.84
0.00	260 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

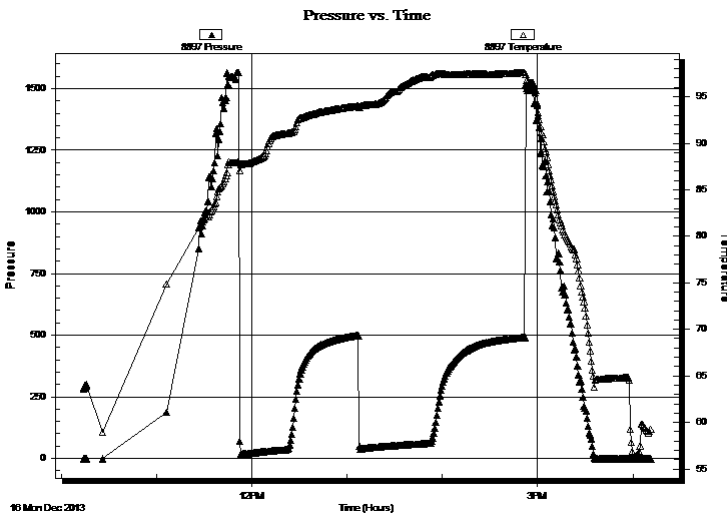
2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56027 **DST#: 2**
Test Start: 2013.12.16 @ 10:14:57

GENERAL INFORMATION:

Formation: **LKC D-Upper G**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 11:53:27 Tester: Tate Lang
Time Test Ended: 16:12:27 Unit No: 49
Interval: 3124.00 ft (KB) To 3159.00 ft (KB) (TVD) Reference Elevations: 1891.00 ft (KB)
Total Depth: 3159.00 ft (KB) (TVD) 1883.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8897 **Inside**
Press@RunDepth: psig @ 3131.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.16 End Date: 2013.12.16 Last Calib.: 2013.12.16
Start Time: 10:14:08 End Time: 16:11:37 Time On Btm:
Time Off Btm:

TEST COMMENT: B.O.B. In 15 mins
Dead no blow back
B.O.B. In 17 mins
Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	5%O 95%M	0.56
60.00	60%W 40%M	0.84
0.00	260 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56027 **DST#: 2**
Test Start: 2013.12.16 @ 10:14:57

Tool Information

Drill Pipe:	Length: 3126.00 ft	Diameter: 3.80 inches	Volume: 43.85 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:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 43.85 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3124.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	55.00 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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Shut In Tool	5.00			3109.00	
Hydraulic tool	5.00			3114.00	
Packer	5.00			3119.00	20.00 Bottom Of Top Packer
Packer	5.00			3124.00	
Stubb	1.00			3125.00	
Perforations	6.00			3131.00	
Recorder	0.00	8897	Inside	3131.00	
Recorder	0.00	8898	Outside	3131.00	
Perforations	25.00			3156.00	
Bullnose	3.00			3159.00	35.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56027 **DST#: 2**
Test Start: 2013.12.16 @ 10:14:57

Mud and Cushion Information

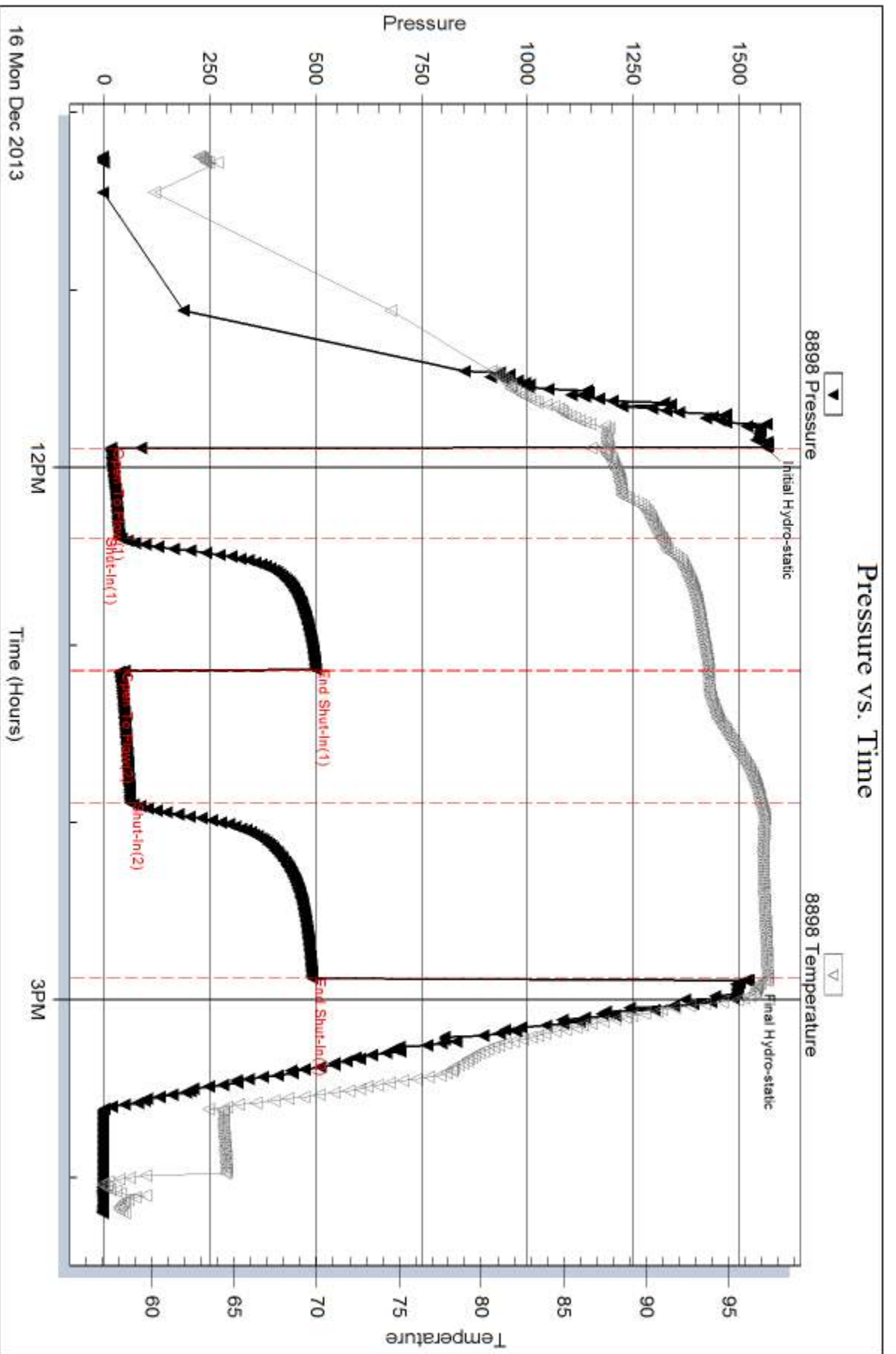
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	5%O 95%M	0.561
60.00	60%W 40%M	0.842
0.00	260 GIP	0.000

Total Length: 100.00 ft Total Volume: 1.403 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



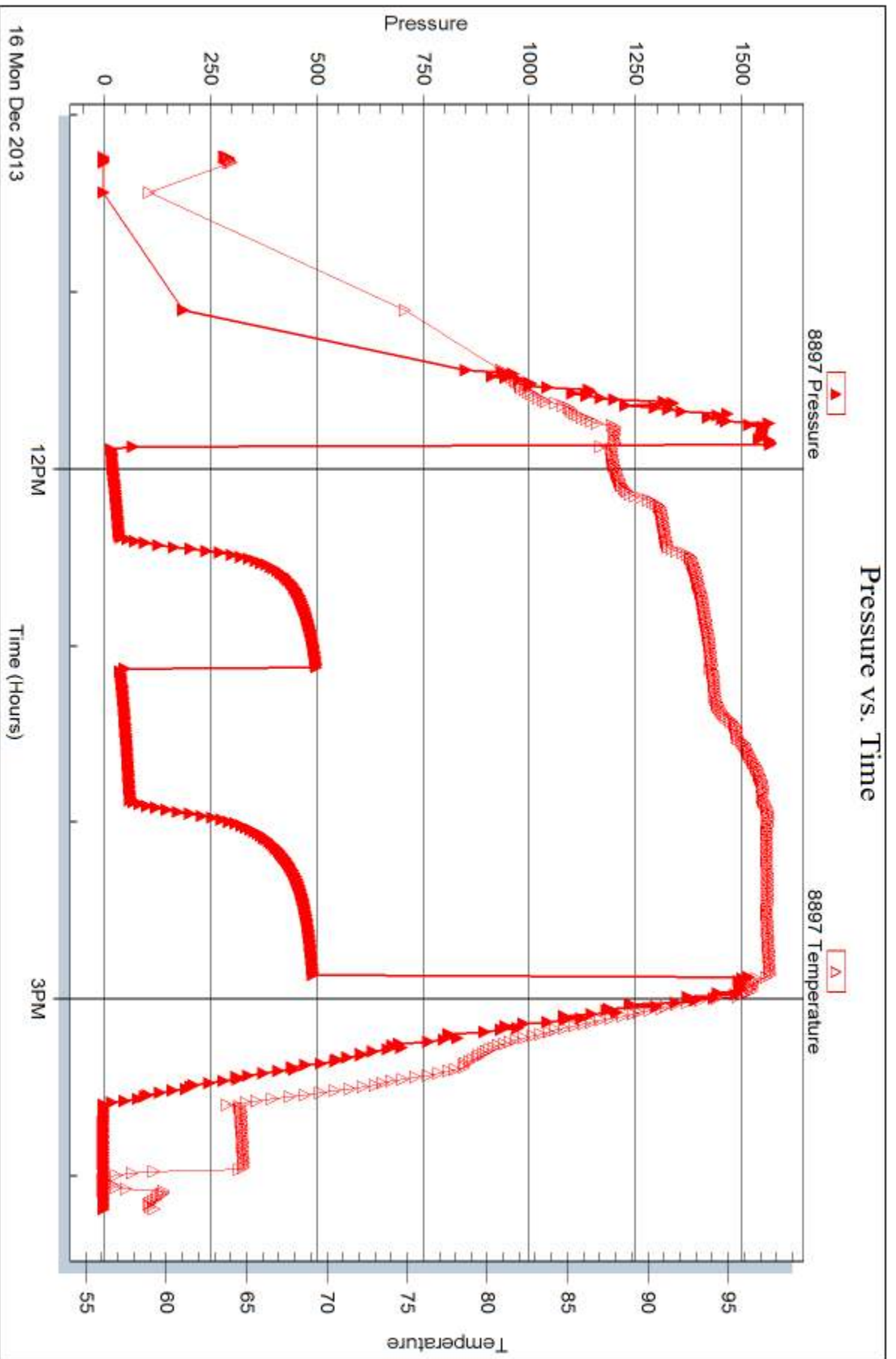
Serial #: 8897

Inside

American Warrior Inc

Hoffman #8-2

DST Test Number: 2



16 Mon Dec 2013

Tribble Testing, Inc

Ref. No: 56027

Printed: 2013.12.19 @ 09:14:15



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Hoffman #8-2

2-17s-12w Barton,KS

Start Date: 2013.12.17 @ 09:11:04

End Date: 2013.12.17 @ 14:59:24

Job Ticket #: 56028 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.19 @ 08:55:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

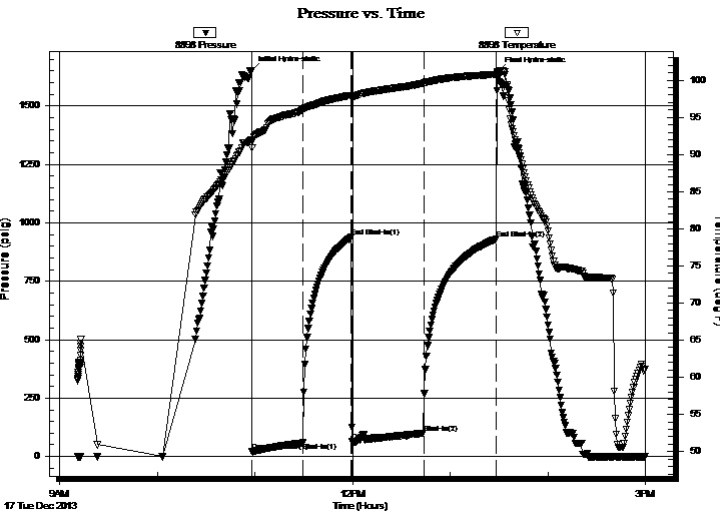
2-17s-12w Barton,KS
Hoffman #8-2
 Job Ticket: 56028 **DST#: 3**
 Test Start: 2013.12.17 @ 09:11:04

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:58:14
 Time Test Ended: 14:59:24
 Interval: **3311.00 ft (KB) To 3349.00 ft (KB) (TVD)**
 Total Depth: 3349.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 1891.00 ft (KB)
 1883.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8898 Outside
 Press@RunDepth: 99.87 psig @ 3318.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.17 End Date: 2013.12.17 Last Calib.: 2013.12.17
 Start Time: 09:11:05 End Time: 14:59:24 Time On Btm: 2013.12.17 @ 10:58:04
 Time Off Btm: 2013.12.17 @ 13:29:13

TEST COMMENT: B.O.B. In 20 mins
 Dead no blow back
 B.O.B. In 25 mins.
 Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.49	91.98	Initial Hydro-static
1	20.99	90.96	Open To Flow (1)
32	58.51	96.06	Shut-In(1)
61	937.74	97.95	End Shut-In(1)
62	63.12	97.72	Open To Flow (2)
106	99.87	99.60	Shut-In(2)
150	930.17	100.80	End Shut-In(2)
152	1646.05	101.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	20%G 80%O	0.42
120.00	5%G 65%O 30%M	1.68
60.00	5%G 45%O 50%M	0.84
0.00	90 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS

Hoffman #8-2

Job Ticket: 56028

DST#: 3

Test Start: 2013.12.17 @ 09:11:04

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:58:14
 Time Test Ended: 14:59:24
 Interval: **3311.00 ft (KB) To 3349.00 ft (KB) (TVD)**
 Total Depth: 3349.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 1891.00 ft (KB)
 1883.00 ft (CF)
 KB to GR/CF: 8.00 ft

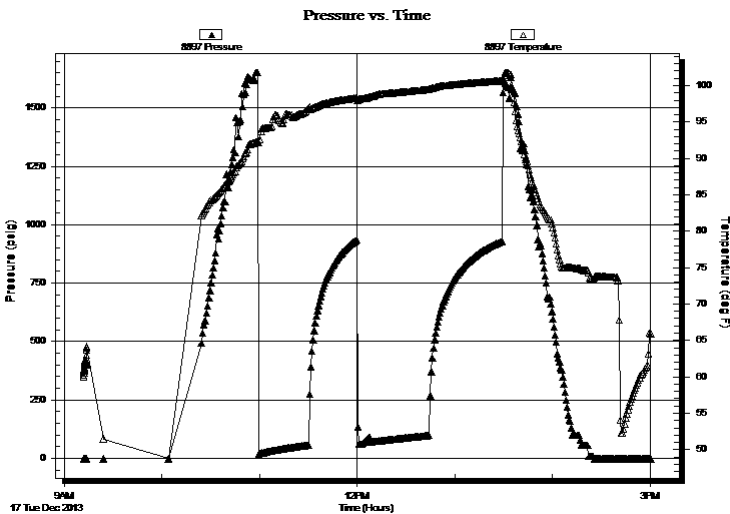
Serial #: 8897

Inside

Press@RunDepth: psig @ 3318.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.17 End Date: 2013.12.17 Last Calib.: 1899.12.30
 Start Time: 09:11:52 End Time: 15:00:11 Time On Btm:
 Time Off Btm:

TEST COMMENT: B.O.B. In 20 mins
 Dead no blow back
 B.O.B. In 25 mins.
 Dead no blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	20%G 80%O	0.42
120.00	5%G 65%O 30%M	1.68
60.00	5%G 45%O 50%M	0.84
0.00	90 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
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56028 **DST#: 3**
Test Start: 2013.12.17 @ 09:11:04

Tool Information

Drill Pipe:	Length: 3315.00 ft	Diameter: 3.80 inches	Volume: 46.50 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 46.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3311.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	58.00 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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Shut In Tool	5.00			3296.00	
Hydraulic tool	5.00			3301.00	
Packer	5.00			3306.00	20.00 Bottom Of Top Packer
Packer	5.00			3311.00	
Stubb	1.00			3312.00	
Perforations	6.00			3318.00	
Recorder	0.00	8897	Inside	3318.00	
Recorder	0.00	8898	Outside	3318.00	
Perforations	28.00			3346.00	
Bullnose	3.00			3349.00	38.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

2-17s-12w Barton,KS
Hoffman #8-2
Job Ticket: 56028 **DST#: 3**
Test Start: 2013.12.17 @ 09:11:04

Mud and Cushion Information

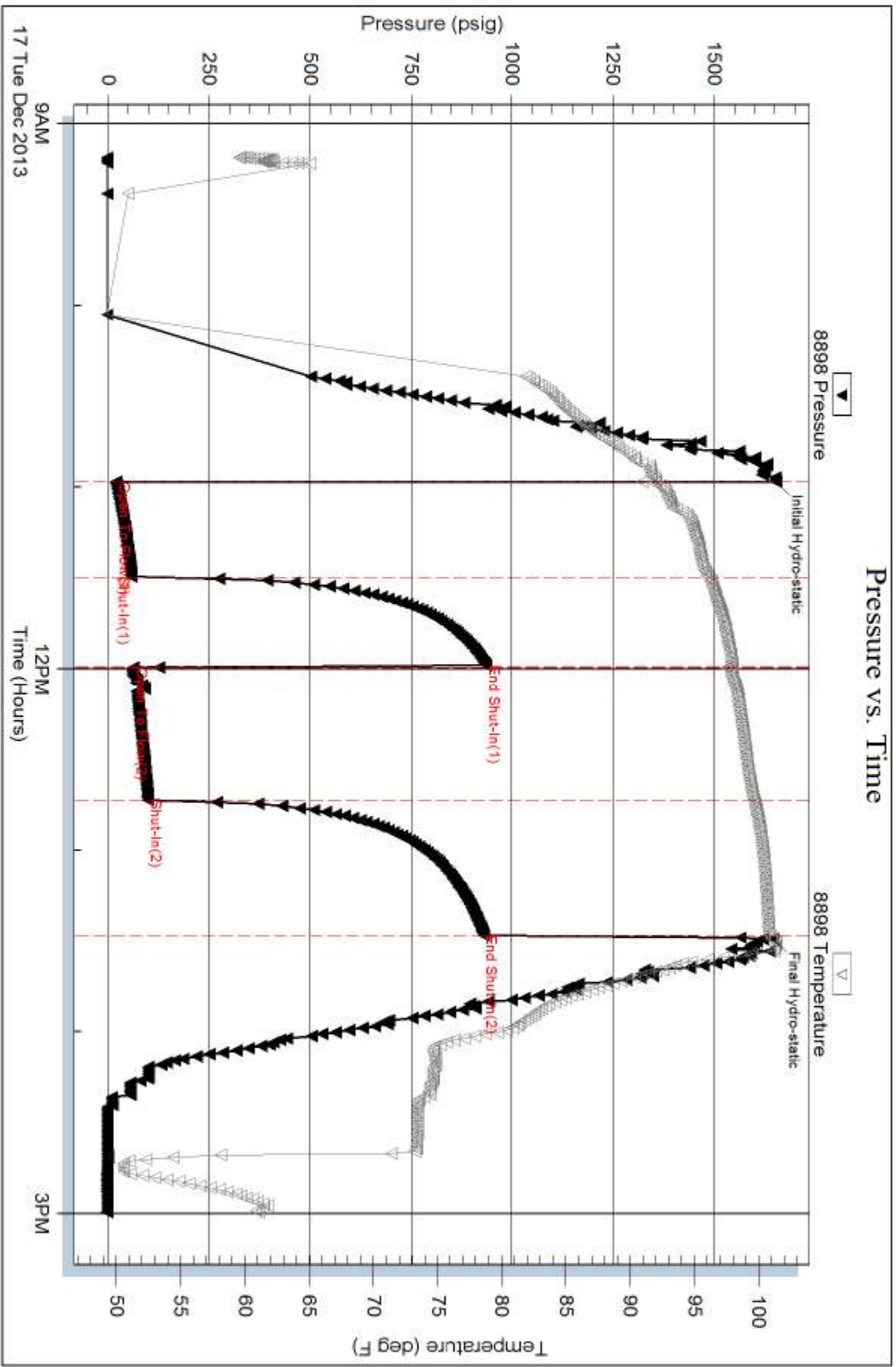
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	20%G 80%O	0.421
120.00	5%G 65%O 30%M	1.683
60.00	5%G 45%O 50%M	0.842
0.00	90 GIP	0.000

Total Length: 210.00 ft Total Volume: 2.946 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



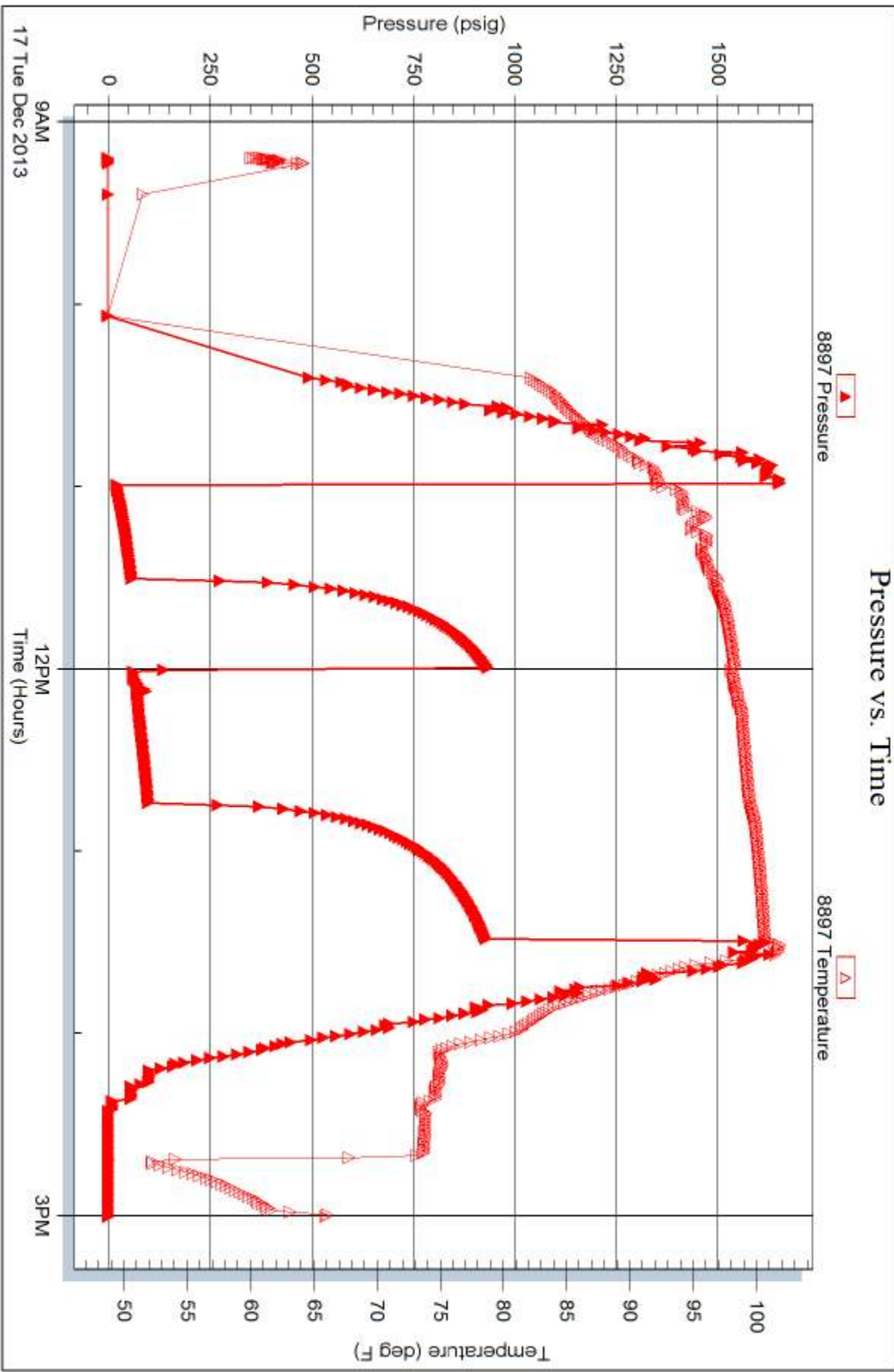
Serial #: 8897

Inside

American Warrior Inc

Hoffman #8-2

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 56028

Printed: 2013.12.19 @ 08:55:38



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56026

4/10

Well Name & No. Hoffman #8-2 Test No. 1 Date 12-15-13
 Company American Warrior INC Elevation 1891 KB 1883 GL
 Address 3118 Cummings Rd Garden City MS 67846
 Co. Rep / Geo. Wyatt Urban Rig Pulle #8
 Location: Sec. 2 Twp. 17 Rge. 12 Co. Barton State MS

Interval Tested 3060 315 Zone Tested Ln A-C
 Anchor Length 55 Drill Pipe Run 3059 Mud Wt. 9.1
 Top Packer Depth 3056 Drill Collars Run 0 Vis 5
 Bottom Packer Depth 3060 Wt. Pipe Run 0# WL 8.0
 Total Depth 315 Chlorides 0# ppm System LCM 5200

Blow Description Good surface blow built to 7 1/2 in
Dead no blow back
B.O. Bi In 30min
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>MWCGHO</u>	<u>30</u>	<u>40</u>	<u>30</u>	<u>10</u>
Rec <u>40</u>	Feet of <u>VSGOCM</u>	<u>3</u>	<u>2</u>		<u>95</u>
Rec <u>0</u>	Feet of <u>260 GIP 100</u>				
Rec <u>50</u>	Feet of <u>96</u>				

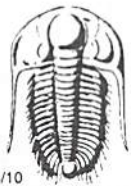
Rec Total 50 BHT 96 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1532 Test 1150 T-On Location 18:30
 (B) First Initial Flow 17 Jars 250 T-Started 19:13
 (C) First Final Flow 25 Safety Joint 75 T-Open 21:14
 (D) Initial Shut-In 410 Circ Sub _____ T-Pulled 00:14 (12-16-13)
 (E) Second Initial Flow 55 Hourly Standby _____ T-Out 09:41
 (F) Second Final Flow 118 Mileage 166 R/H 179.80 Comments _____
 (G) Final Shut-In 491 Sampler _____
 (H) Final Hydrostatic 1501 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1654.80
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1654.80

Approved By _____

Our Representative [Signature]

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. **56027**

Well Name & No. Hoffman #8-2 Test No. 2 Date 12/16-13
 Company American Warrior INC Elevation 1891 KB 1883 GL
 Address 318 Cummings Rd Gardner City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig DuMe #8
 Location: Sec. 2 Twp. 17 Rge. 12 Co. Barton State KS

Interval Tested 3/24 3159 Zone Tested Lens D-1G
 Anchor Length 35 Drill Pipe Run 3120 Mud Wt. 9.1
 Top Packer Depth 3120 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3124 Wt. Pipe Run 0 WL 8.0
 Total Depth _____ Chlorides 6900 ppm System LCM 0

Blow Description B.O.B. In 15 mins.
Dead no blow back
B.O.B. In 17 mins
Dead no blow back

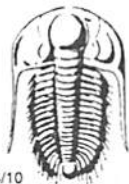
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>40</u>	Feet of <u>SOCM</u>	%gas <u>5</u>	%oil	%water <u>95</u>	%mud
Rec <u>60</u>	Feet of <u>MCW</u>	%gas	%oil <u>60</u>	%water <u>40</u>	%mud
Rec <u>0</u>	Feet of <u>2160 GIP</u>	%gas	%oil	%water	%mud

Rec Total 100 BHT 97 Gravity _____ API RW 323 @ 56 °F Chlorides 26500 ppm
 (A) Initial Hydrostatic 1565 Test 1150 T-On Location 09:25
 (B) First Initial Flow 17 Jars _____ T-Started 10:14
 (C) First Final Flow 37 Safety Joint _____ T-Open 11:53
 (D) Initial Shut-In 500 Circ Sub _____ T-Pulled 14:53
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 16:12
 (F) Second Final Flow 63 Mileage 116 R/T 179.80 Comments _____
 (G) Final Shut-In 492 Sampler _____
 (H) Final Hydrostatic 1522 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1329.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1329.80

Approved By _____ Our Representative [Signature]

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. **56028**

4/10

Well Name & No. Hoffman #8-2 Test No. 3 Date 12-17-13
 Company American Warrior TNC Elevation 1891 KB 183 GL
 Address 3118 Cummins Rd Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig DuMe #8
 Location: Sec. 2 Twp. 17 Rge. 12 Co. Barton State KS

Interval Tested 33 11 3349 Zone Tested Arbuckle
 Anchor Length 38 Drill Pipe Run 3315 Mud Wt. 9.1
 Top Packer Depth 3307 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3311 Wt. Pipe Run 0 WL 8.0
 Total Depth 3349 Chlorides 5200 ppm System LCM 3300

Blow Description B.O.B. In 20 mins
Dead no blow back
B.O.B. In 25 mins
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
30	60	20	80		
120	MCGO	5	65		30
60	60 CM	5	45		50
0	90 GIP				

Rec Total 210 BHT 101 Gravity 37 API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 1652 Test 1150 T-On Location 08:30
 (B) First Initial Flow 21 Jars T-Started 09:11
 (C) First Final Flow 59 Safety Joint T-Open 11:00
 (D) Initial Shut-In 939 Circ Sub T-Pulled 13:30
 (E) Second Initial Flow 63 Hourly Standby T-Out 15:00
 (F) Second Final Flow 100 Mileage 179.80 H6RH Comments Load after
 (G) Final Shut-In 930 Sampler Test
 (H) Final Hydrostatic 1646 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____
 Sub Total 0
 Total 1329.80
 MP/DST Disc't _____
 Sub Total 1329.80

Approved By _____ Our Representative [Signature]
 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.

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

American Warrior Inc.
Hoffman #8-2
SE-SW-NE-NW (1021' FNL & 1652' FWL)
Section 2-17s-12w
Barton County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Duke Drilling Co. (Rig #8)
Commenced: December 11, 2013
Completed: December 18, 2013
Elevation: 1891' K.B; 1889' D.F; 1883' G.L.
Casing program: Surface; 8 5/8" @ 419'
Production; 5 1/2" @ 3449'
Sample: Samples saved and examined 2800' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2800 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were three (3) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity, Micro and Sonic Logs.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	767	+1124
Base Anhydrite	793	+1098
Heebner	2966	-1075
Toronto	2980	-1089
Douglas	2995	-1104
Brown Lime	3055	-1164
Lansing	3068	-1177
Base Kansas City	3304	-1413
Arbuckle	3336	-1445
Rotary Total Depth	3450	-1559
Log Total Depth	3452	-1561

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

2908-2930' Limestone; cream, tan, chalky, poor visible porosity, no shows.

TORONTO SECTION

2980-2990' Limestone; gray, white, finely crystalline, few fossiliferous, chalky, no shows.

LANSING SECTION

3068-3080' Limestone; tan, brown, fine and medium crystalline, slightly chalky, few fossiliferous, poor visible porosity, no shows.

3080-3090' Limestone; cream, to tan, finely crystalline, chalky, poor scattered porosity, trace light brown stain, trace of free oil and faint odor.

3100-3108' Limestone; cream, finely crystalline, slightly chalky, poor to fair scattered porosity, light brown to golden brown stain, show of free oil and fair odor in fresh samples.

3111-3120' Limestone; cream, tan, mottled, finely crystalline, poor porosity, no show of free oil and faint odor in fresh samples.

Drill Stem Test #1 3060-3115'

Times: 30-45-45-60

Blow: Fair to good

**Recovery: 260' gas in pipe
 40' very slightly oil cut mud
 (3% gas, 2% oil, 95% mud)
 10' slightly mud cut gassy watery oil
 (30% gas, 40% oil, 20% water, 10% mud)**

**Pressures: ISIP 410 psi
 FSIP 491 psi
 IFP 17-25 psi
 FFP 55-118 psi
 HSH 1532-1501 psi**

3121-3132' Limestone; cream, white, finely crystalline, chalky, no shows.

3143-3150' Limestone; cream, tan, oolitic, oomoldic, poorly developed porosity, trace brown stain, no free oil and no odor.

3150-3159' Limestone; tan, oomoldic, good oomoldic porosity, light brown stain, show of free oil and faint odor.

Drill Stem Test #2 3124-3159'

Times: 30-45-45-45
Blow: Strong
Recovery: 260' gas in pipe
40' slightly oil cut mud
60' muddy water

Pressures: ISIP 500 psi
FSIP 492 psi
IFP 17-37 psi
FFP 38-63 psi
HSH 1565-1522 psi

- 3214-3226' Limestone; tan, finely crystalline, poor to fair vuggy type porosity, no shows.
- 3237-3250' Limestone; tan, brown, mottled, finely crystalline, slightly cherty, poor visible porosity, no shows.
- 3248-3260' Limestone; tan, finely crystalline, poor scattered porosity, no shows.
- 3273-3280' Limestone; tan, gray, fossiliferous, chalky, poor porosity, no shows.

ARBUCKLE SECTION

- 3336-3345' Dolomite; white, finely crystalline, scattered intercrystalline porosity, light brown to black stain, trace of free oil and no odor.
- 3345-3349' Dolomite; as above, light brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #3 3311-3349'

Times: 30-30-45-45
Blow: Strong
Recovery: 90' gas in pipe
60' heavy oil and gas cut mud
(5% gas, 45% oil, 50% mud)
120' slightly mud cut oil
(5% gas, 65% oil, 35% mud)
30' gassy oil
(20% gas, 80% oil)

Pressures: ISIP 717 psi
FSIP 560 psi
IFP 23-32 psi
FFP 33-42 psi
HSH 1672-1619 psi

- 3349-3360' Dolomite; white to cream, finely crystalline, fair intercrystalline porosity, light brown stain, show of free oil and questionable odor


in fresh samples.

- | | |
|------------|---|
| 3360-3380' | Dolomite; white, fine to medium crystalline, fair to good intercrystalline porosity, no shows. |
| 3380-3400' | Dolomite; white to tan, finely crystalline, poor visible porosity, no shows. |
| 3400-3420' | Dolomite; white, tan, finely crystalline, scattered porosity, no shows. |
| 3420-3452' | Dolomite; white to gray, fine and medium crystalline, poor to fair intercrystalline porosity, no shows. |

Rotary Total Depth	3450
Log Total Depth	3452

Recommendations: 5 ½" production casing was set and cemented in the Hoffman #8-2.

Respectfully submitted;


Wyatt Urban,
Petroleum Geologist