



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1246692
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: _____



1246692

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
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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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	GS 2-33
Doc ID	1246692

Tops

Name	Top	Datum
Anhydrite	1339	781
Heebner	3571	-1451
Lansing	3616	-1496
Base Kansas City	3936	1816
Pawnee	4019	-1899
Ft. Scott	4090	1970
Cherokee	4105	-1985
Mississippian	4176	-2056
TD	4205	-2085



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jason T Alm

GS #2-33

33-18s-21w Ness,KS

Start Date: 2014.12.12 @ 01:03:23

End Date: 2014.12.12 @ 09:06:53

Job Ticket #: 58420 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.15 @ 10:26:34



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

33-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

GS #2-33

Job Ticket: 58420

DST#: 1

ATTN: Jason T Alm

Test Start: 2014.12.12 @ 01:03:23

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:57:23

Time Test Ended: 09:06:53

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 4065.00 ft (KB) To 4125.00 ft (KB) (TVD)

Reference Elevations: 2120.00 ft (KB)

Total Depth: 4125.00 ft (KB) (TVD)

2112.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 45.64 psig @ 4066.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.12

End Date:

2014.12.12

Last Calib.: 2014.12.12

Start Time: 01:03:24

End Time:

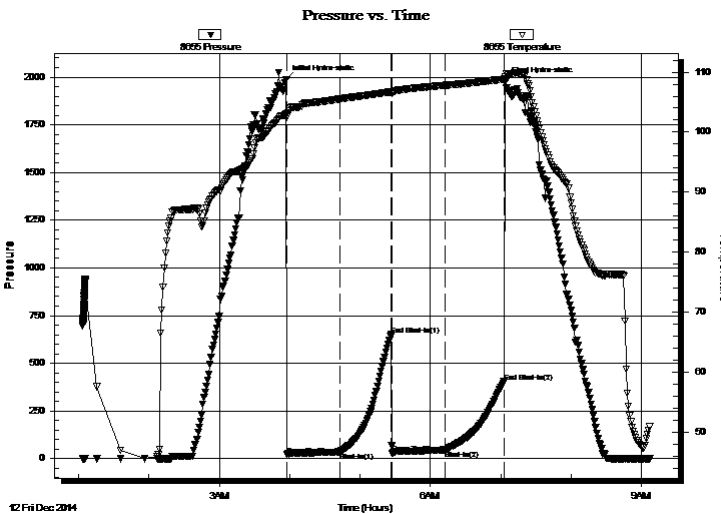
09:06:53

Time On Btm: 2014.12.12 @ 03:56:53

Time Off Btm: 2014.12.12 @ 07:03:53

TEST COMMENT: 45- IF- Surface blow built slowly to 5 1/2"
45- IS- No blow
45- FF- Initial surge of 3.5" built slowly to 6"
45- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.78	103.14	Initial Hydro-static
1	19.67	102.46	Open To Flow (1)
46	34.57	105.52	Shut-In(1)
90	649.59	106.70	End Shut-In(1)
91	26.87	106.62	Open To Flow (2)
136	45.64	107.80	Shut-In(2)
186	402.23	108.81	End Shut-In(2)
187	1976.04	109.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	SOCM, 10%O 90%M	0.75
1.00	CO	0.01
0.00	239' 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.

33-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

GS #2-33

Job Ticket: 58420

DST#: 1

ATTN: Jason T Alm

Test Start: 2014.12.12 @ 01:03:23

Tool Information

Drill Pipe:	Length: 4026.00 ft	Diameter: 3.75 inches	Volume: 55.00 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4065.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 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			4039.00	
Shut In Tool	5.00			4044.00	
Hydraulic tool	5.00			4049.00	
Jars	5.00			4054.00	
Safety Joint	2.00			4056.00	
Packer	5.00			4061.00	27.00 Bottom Of Top Packer
Packer	4.00			4065.00	
Stubb	1.00			4066.00	
Recorder	0.00	8651	Inside	4066.00	
Recorder	0.00	8655	Outside	4066.00	
Perforations	22.00			4088.00	
Change Over Sub	1.00			4089.00	
Drill Pipe	32.00			4121.00	
Change Over Sub	1.00			4122.00	
Bullnose	3.00			4125.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

33-18s-21w Ness,KS

PO Box 399
Garden City, KS 67846

GS #2-33

Job Ticket: 58420

DST#: 1

ATTN: Jason T Alm

Test Start: 2014.12.12 @ 01:03:23

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	SOCM, 10%O 90%M	0.754
1.00	CO	0.014
0.00	239' GIP	0.000

Total Length: 76.00 ft Total Volume: 0.768 bbl

Num Fluid Samples: 0

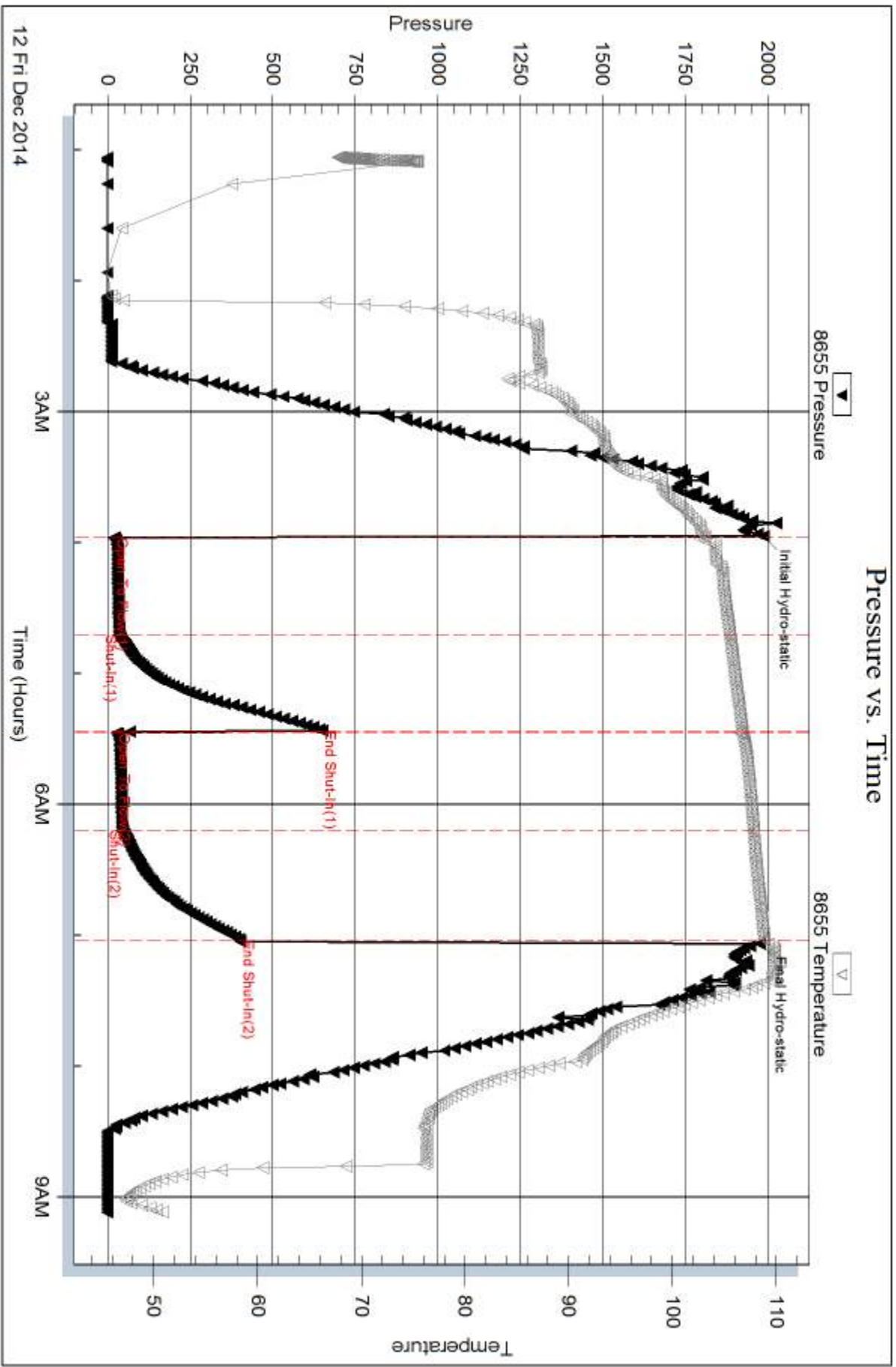
Num Gas Bombs: 0

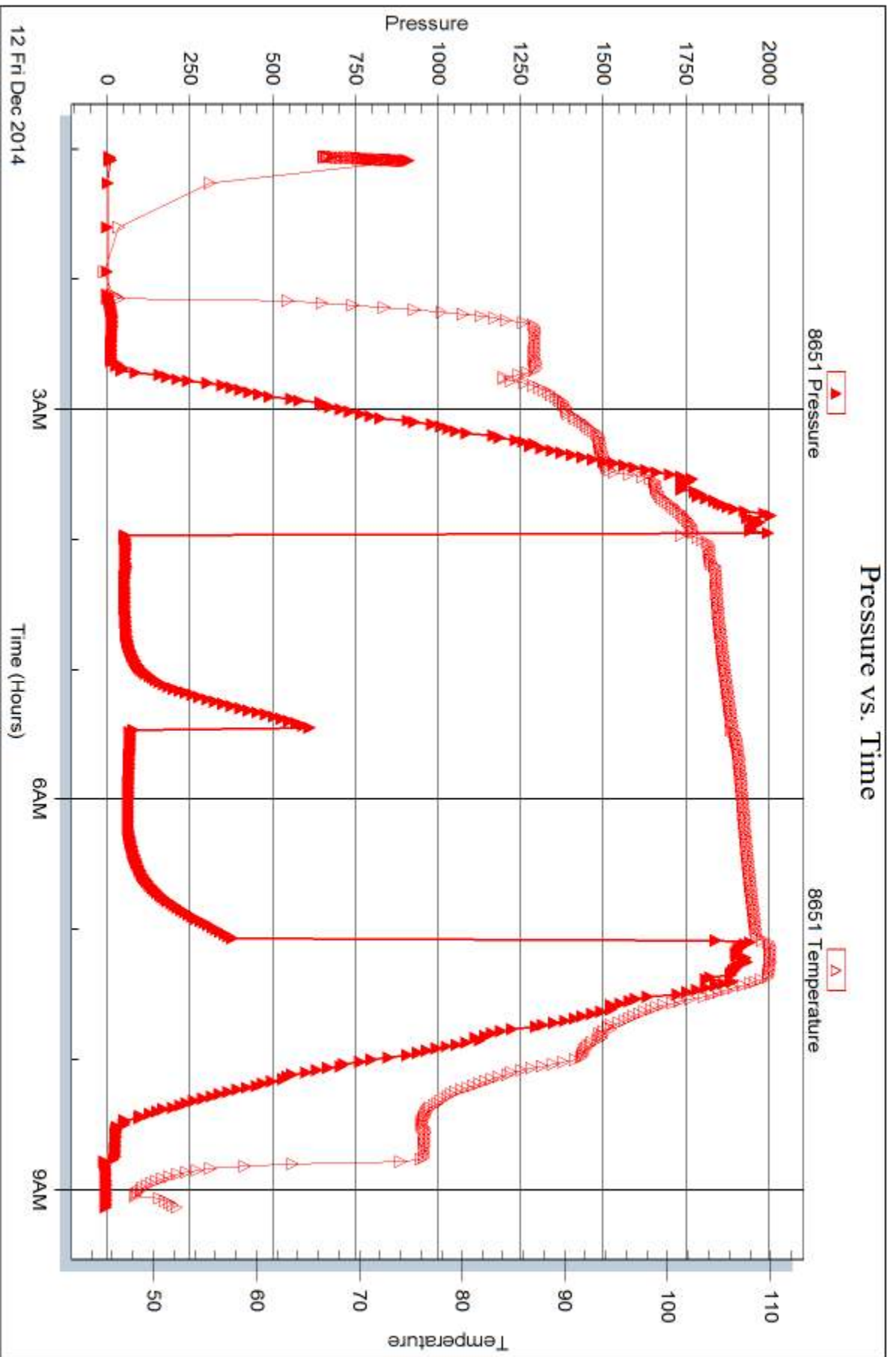
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jason T Alm

GS #2-33

33-18s-21w Ness,KS

Start Date: 2014.12.12 @ 17:04:27

End Date: 2014.12.13 @ 00:47:27

Job Ticket #: 58421 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.15 @ 10:25:54

American Warrior, Inc. 33-18s-21w Ness,KS GS #2-33 DST # 2 Miss 2014.12.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

33-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

GS #2-33

Job Ticket: 58421

DST#: 2

ATTN: Jason T Alm

Test Start: 2014.12.12 @ 17:04:27

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:27

Time Test Ended: 00:47:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 4196.00 ft (KB) To 4205.00 ft (KB) (TVD)

Reference Elevations: 2120.00 ft (KB)

Total Depth: 4205.00 ft (KB) (TVD)

2112.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 100.67 psig @ 4197.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.12

End Date:

2014.12.13

Last Calib.:

2014.12.13

Start Time: 17:04:28

End Time:

00:47:27

Time On Btm:

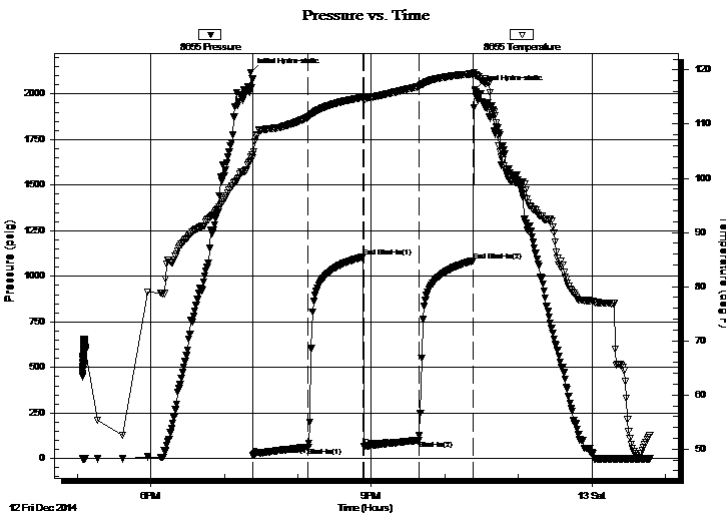
2014.12.12 @ 19:21:27

Time Off Btm:

2014.12.12 @ 22:24:27

TEST COMMENT: 45- IF- Slowly built to 10"
45- IS- No blow
45- FF- Slowly built to 8"
45- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.12	103.19	Initial Hydro-static
2	19.02	103.83	Open To Flow (1)
47	63.75	111.29	Shut-In(1)
92	1105.01	114.92	End Shut-In(1)
93	66.70	114.66	Open To Flow (2)
137	100.67	116.93	Shut-In(2)
182	1085.14	119.28	End Shut-In(2)
183	2023.42	119.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	SOCMW, 5%O 10%M 85%W	1.91
45.00	CO	0.61

* 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.

33-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

GS #2-33

Job Ticket: 58421

DST#: 2

ATTN: Jason T Alm

Test Start: 2014.12.12 @ 17:04:27

Tool Information

Drill Pipe:	Length: 4153.00 ft	Diameter: 3.75 inches	Volume: 56.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4196.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	36.00 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			4170.00	
Shut In Tool	5.00			4175.00	
Hydraulic tool	5.00			4180.00	
Jars	5.00			4185.00	
Safety Joint	2.00			4187.00	
Packer	5.00			4192.00	27.00 Bottom Of Top Packer
Packer	4.00			4196.00	
Stubb	1.00			4197.00	
Recorder	0.00	8651	Inside	4197.00	
Recorder	0.00	8655	Outside	4197.00	
Perforations	5.00			4202.00	
Bullnose	3.00			4205.00	9.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

33-18s-21w Ness,KS

PO Box 399
Garden City, KS 67846

GS #2-33

Job Ticket: 58421

DST#: 2

ATTN: Jason T Alm

Test Start: 2014.12.12 @ 17:04:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
160.00	SOCMW, 5%O 10%M 85%W	1.915
45.00	CO	0.615

Total Length: 205.00 ft

Total Volume: 2.530 bbf

Num Fluid Samples: 0

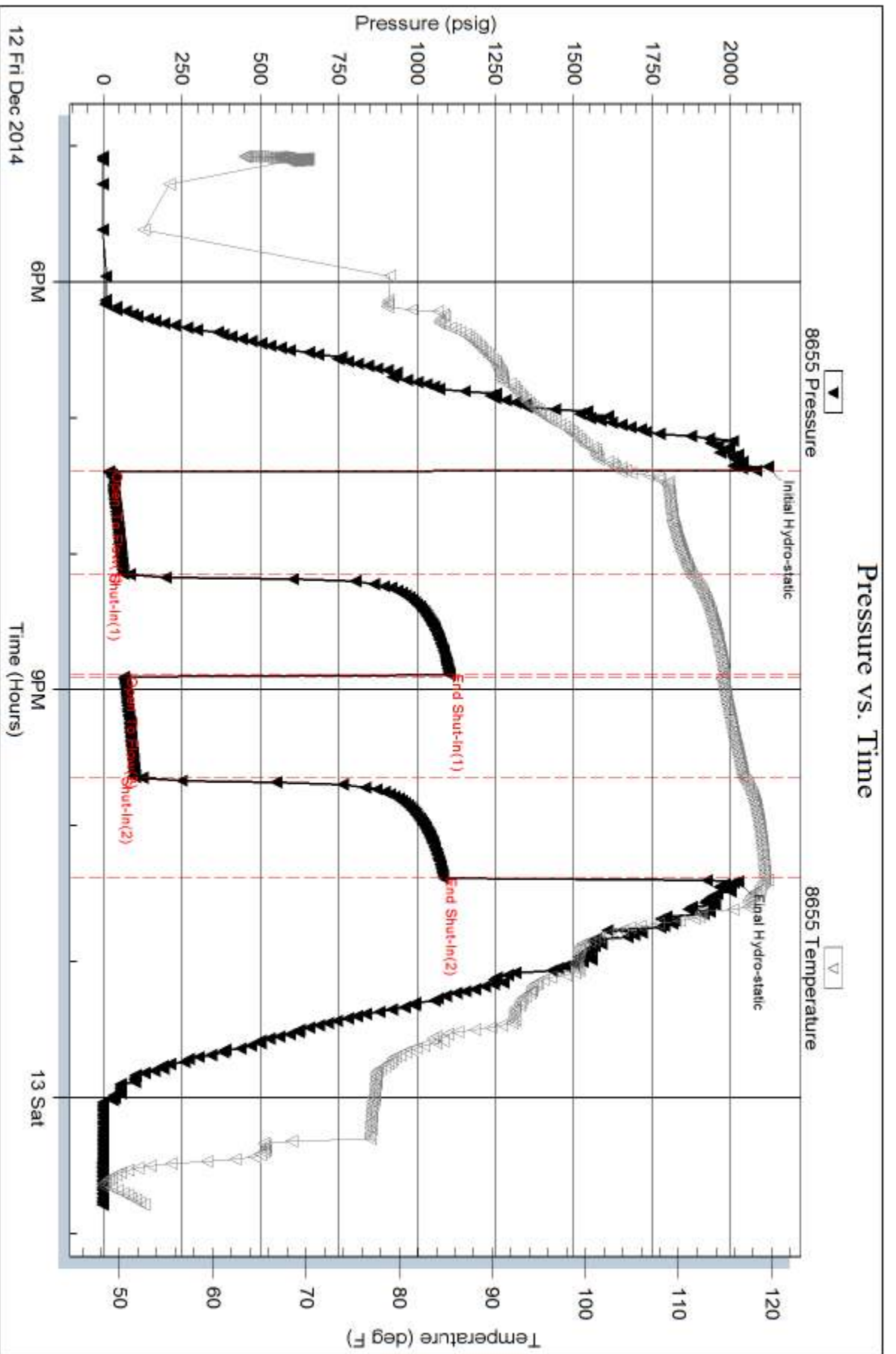
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



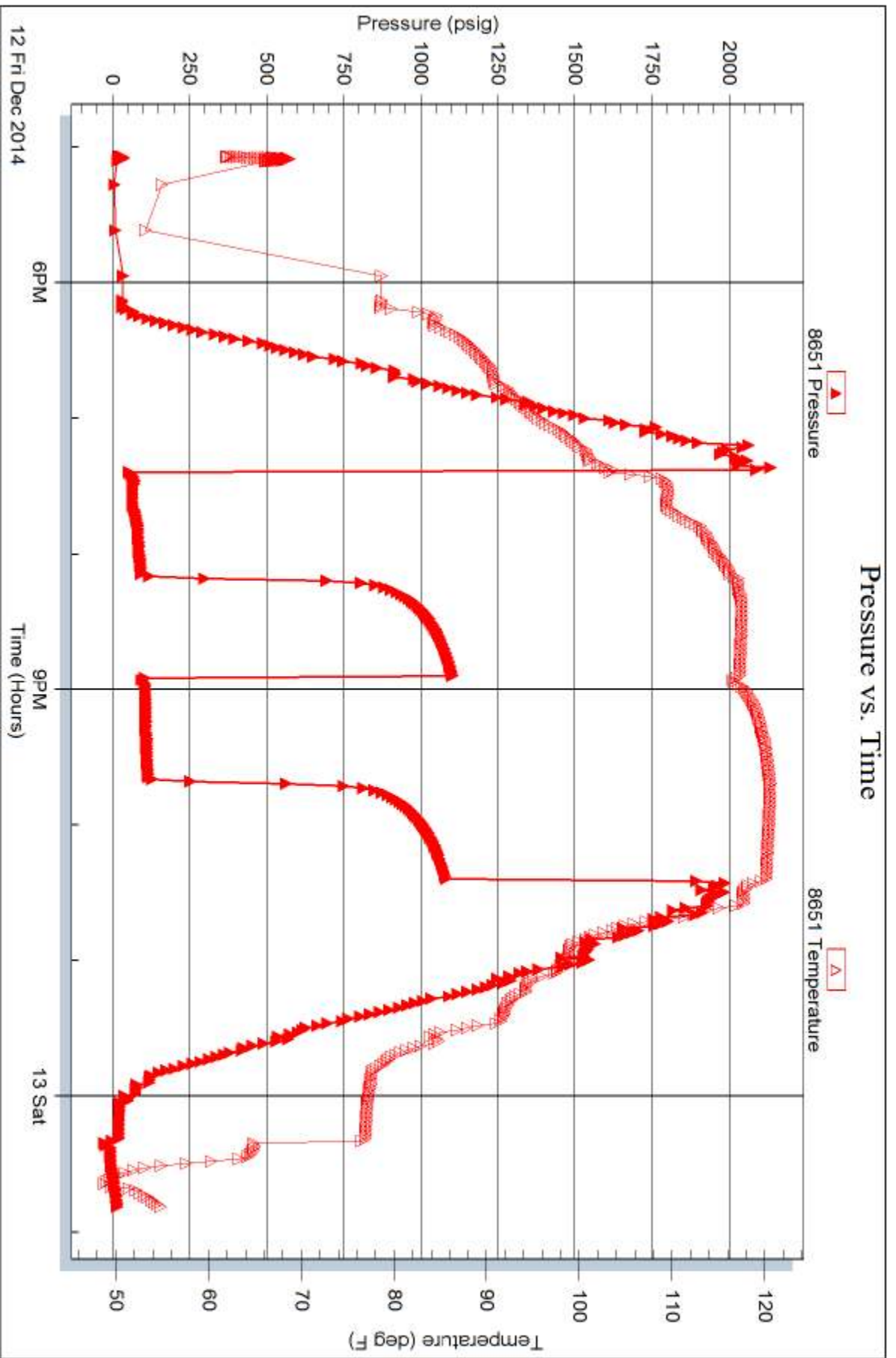
Serial #: 8651

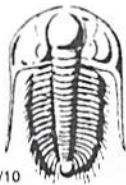
Inside

American Warrior, Inc.

GS #2-33

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58420

Well Name & No. GS #2-33 Test No. 1 Date 12/12/14
 Company American Warrior, Inc. Elevation 2120 KB 2112 GL
 Address 3118 Cummings Rd. PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason T Alm Rig Discovery #3
 Location: Sec. 33 Twp. 18 S Rge. 21 W Co. Ness State KS

Interval Tested 4065-4125 Zone Tested Fort Scott
 Anchor Length 60' Drill Pipe Run 4026 Mud Wt. 8.9
 Top Packer Depth 4060 Drill Collars Run 31 Vis 47
 Bottom Packer Depth 4065 Wt. Pipe Run --- WL 8.8
 Total Depth 4125 Chlorides 6000 ppm System LCM 1#

Blow Description IF - Inflow slow built to 5 1/2"
ISI - No flow
FF - Initial surge of 3 1/2" built slowly to 6"
FSI - No flow

Rec	Feet of	%gas	%oil	%water	%mud
<u>75'</u>	<u>SOCM</u>		<u>10</u>		<u>90</u>
<u>1'</u>	<u>CO</u>				

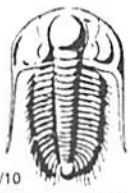
Rec Total 76' BHT 109° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1988 Test 1250 T-On Location 0048
 (B) First Initial Flow 20 Jars 250 T-Started 0103
 (C) First Final Flow 35 Safety Joint 75 T-Open 0357
 (D) Initial Shut-In 650 Circ Sub _____ T-Pulled 0657
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 0908
 (F) Second Final Flow 46 Mileage 106 RT 164.30 Comments _____
 (G) Final Shut-In 402 Sampler _____
 (H) Final Hydrostatic 1976 Straddle _____ Ruined Shale Packer _____

Initial Open 45 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 43 Extra Recorder _____ Sub Total 0
 Final Shut-In 45 Day Standby _____ Total 1739.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1739.30

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. 58421

Well Name & No. GS #2-33 Test No. 2 Date 12/12/14
 Company American Warring Inc. Elevation 2120 KB 212 GL
 Address 3118 Cummings Rd. PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason T Alm Rig Discovery #3
 Location: Sec. 33 Twp. 18 S Rge. 21 W Co. Ness State KS

Interval Tested 4196-4205 Zone Tested MU55
 Anchor Length 9' Drill Pipe Run 4153 Mud Wt. 9.0
 Top Packer Depth 4191 Drill Collars Run 31 Vis 52
 Bottom Packer Depth 4196 Wt. Pipe Run — WL 8.0
 Total Depth 4205 Chlorides 6,100 ppm System LCM 1[#]

Blow Description IF - slowly built to 10"
ISF - No blow
FF - slowly built to 8"
PSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>160</u>	<u>Feet of SOCMW</u>		<u>5</u>	<u>85</u>	<u>10</u>
<u>45</u>	<u>Feet of CO</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 205' BHT 119° Gravity 31 API RW .48 @ 49 °F Chlorides 29,000 ppm

(A) Initial Hydrostatic <u>2118</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1650</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1704</u>
(C) First Final Flow <u>64</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1923</u>
(D) Initial Shut-In <u>1105</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2223</u>
(E) Second Initial Flow <u>67</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0048</u> ^{12/13}
(F) Second Final Flow <u>101</u>	<input checked="" type="checkbox"/> Mileage <u>106 RT</u> <u>164.30</u>	Comments
(G) Final Shut-In <u>1085</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2023</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Total <u>17.39.30</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1739.30</u>	

Approved By _____ Our Representative Bryman 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.

Geological Report

American Warrior, Inc.

GS #2-33

540' FNL & 2305' FWL

Sec. 33 T18s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
GS #2-33
540' FNL & 2305' FWL
Sec. 33 T18s R21w
Ness County, Kansas
API # 15-135-25833-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm

Spud Date: December 6, 2014

Completion Date: December 13, 2014

Elevation: 2112' Ground Level
2120' Kelly Bushing

Directions: Bazine KS, East 1 ½ mi. to FF Rd. South ¼ mi.
East and South into location.

Casing: 1350' 8 5/8" surface casing
4204' 5 1/2" production casing

Samples: 10' wet and dry, 3850' to RTD

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Brannan Lonsdale"

Problems: None

Remarks: After DST #1 the gas detector carried to much
background to see the Mississippian gas kick due to
oil in the drilling mud.

Formation Tops

Formation	American Warrior, Inc. GS #2-33 Sec. 33 T18s R21w 540' FNL & 2305' FWL
Anhydrite	1339', +781
Base	1374', +746
Heebner	3571', -1451
Lansing	3616', -1496
BKc	3936', -1816
Pawnee	4019', -1899
Fort Scott	4090', -1970
Cherokee	4105', -1985
Mississippian	4176', -2056
Osage	4193', -2073
RTD	4205', -2085

Sample Zone Descriptions

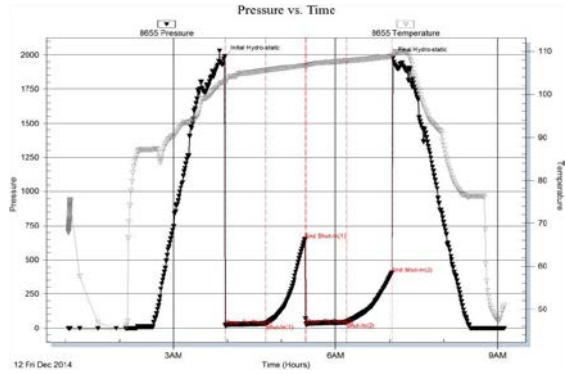
- Fort Scott (4090', -1970):** **Covered in DST #1**
 Ls – Fine to sub-crystalline with poor scattered pinpoint inter-crystalline porosity, light to fair oil stain and saturation in porosity, slight show of free oil, very light odor, good cut fluorescents, slightly fossiliferous, 58 units hotwire.
- Mississippian Osage (4193', -2073):** **Covered in DST #2**
 Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, heavy triptolic chert, weathered with good vuggy porosity, light to fair oil stain and saturation, fair to good show of free oil, fair odor, good spotted yellow fluorescents.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Brannan Lonsdale"

DST #1 Fort Scott

Interval (4065' – 4125') Anchor Length 60'
 IHP – 1988 #
 IFP – 45" – Built to 5 1/2 in. 19-35 #
 ISI – 45" – Dead 650 #
 FFP – 45" – Built to 6 in. 28-46 #
 FSI – 45" – Dead 402 #
 FHP – 1976 #
 BHT – 109°F

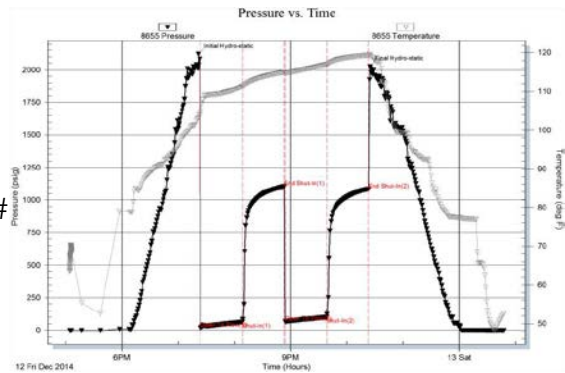
Recovery: 239' GIP
 1' Clean Oil
 75' SOCM 10% Oil



DST #1 Mississippian Osage

Interval (4196' – 4205') Anchor Length 9'
 IHP – 2118 #
 IFP – 45" – Built to 10 in. 19-63 #
 ISI – 45" – Dead 1105 #
 FFP – 45" – Built to 8 in. 66-101 #
 FSI – 45" – Dead 1085 #
 FHP – 2023 #
 BHT – 119°F

Recovery: 45' Clean Oil
 160' SOCMW 5% Oil, 85% Water



Structural Comparison

	American Warrior, Inc. GS #2-33 Sec. 33 T18s R21w 540' FNL & 2305' FWL	American Warrior, Inc. Ryersee #4-33 Sec. 33 T18s R21w 300' FNL & 1975' FEL		American Warrior, Inc. GS #1-33 Sec. 33 T18s R21w 740' FWL & 520' FWL	
Formation					
Anhydrite	1339', +781	1338', +776	(+5)	1352', +768	(+13)
Base	1374', +746	1368', +746	FL	1386', +734	(+12)
Heebner	3571', -1451	3568', -1454	(+3)	3580', -1460	(+9)
Lansing	3616', -1496	3613', -1499	(+3)	3626', -1506	(+10)
BKc	3936', -1816	3930', -1816	FL	3948', -1828	(+12)
Pawnee	4019', -1899	4015', -1901	(+2)	4027', -1907	(+9)
Fort Scott	4090', -1970	4086', -1972	(+2)	4102', -1982	(+12)
Cherokee	4105', -1985	4102', -1988	(+3)	4118', -1998	(+13)
Mississippian	4176', -2056	NA	NA	4198', -2078	(+22)
Osage	4193', -2073	4184', -2070	(-3)	4204', -2084	(+11)

Summary

The location for the GS #2-33 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the GS #2-33 well.

Recommended Perforations

Primary:

Mississippian Osage 4193' – 4199' DST #2

Before Abandonment:

Fort Scott 4092' – 4096' DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Services, Inc.

CHARGE TO: Personal Member Inc.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET
 PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City, KS</u>	WELL/PROJECT NO. <u>2-33</u>	LEASE <u>GS</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY	DATE <u>12-7-14</u>	OWNER <u>same</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discovery Drilling #3</u>	RIG NAME/NO.	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>8 5/8" SURFACE</u>	WELL PERMIT NO.	WELL LOCATION <u>Barine, KS-2E, S.E.</u>	
WELL TYPE <u>Oil</u>	INVOICE INSTRUCTIONS						
4. REFERRAL LOCATION							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575					MILEAGE # 115	20	MI		6.00	120.00
576D					PUMP CHARGE	1	HR	1350	1500.00	1500.00
221					LEAD OIL OIL	2	GA		25.00	50.00
281					MUDFLOSH	500	GA		1.25	625.00
409					TURBOLIZERS	4	EA	8 5/8"	110.00	440.00
410					TOP PUG	1	BA		140.00	140.00
412					BATTLE PUMP	1	BA		125.00	125.00
1911					PUG CONTRACTOR RENTAL	1	HR		250.00	250.00

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

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

DATE SIGNED: 12-7-14 TIME SIGNED: 1700 P.M.

SWIFT OPERATOR: Wayne Whitson APPROVAL: _____

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL #1 3250.00
 TAX #2 929.50
 TOTAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 12-7-14 PAGE NO. 7

CUSTOMER American Warrior Inc. WELL NO. 2-33 LEASE GS JOB TYPE 8 5/8" SURFACE TICKET NO. 27912

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							ON LOCATION
	1730							START 8 5/8" CASING TO WELL
								TD-1350 8 5/8" 23
								TP-1350 SIT = 1350
								SJ-22'
								TURBOZZERS - 1, 8, 18, 31
	1900							BREAK CIRCULATION - REGRABATE
	1930	6	12		✓		300	PUMP 500 GAL MUD FLUSH
	1932	6	20		✓		300	PUMP 20 BBLs KEL-FLUSH
	1950	6	46		✓		300	MIX CEMENT - 100 SKS = 11.8 PP6
		6	48		✓			125 SKS = 12.5 PP6
		6	31		✓			100 SKS = 13.5 PP6
		5	26		✓		100	100 SKS = 14.5 PP6
	2015							RELEASE TOP PLUG
	2018	7	0		✓		0	DISPLACE PLUG
		7	80				500	
	2030	6	85				700	PLUG DOWN - SHUT IN
								CIRCULATED 30 SKS TO PET
								WASH TRUCK
	2200							JOB COMPLETE

THANK YOU
WAYNE, DUSTY, ARSTEW



CHARGE TO ADDRESS
 American Wellco
 CITY, STATE, ZIP CODE

TICKET 26873

PAGE 1 OF 2

SERVICE LOCATIONS
 1. *Hays, KS* WELL/PROJECT NO. *2-33* LEASE *G.S.* COUNTY/PARISH *KS* STATE *KS* CITY
 2. *Hays, KS* CONTRACTOR *Drilling* RIG NAME/NO. *1* SHIPPED *WT* DELIVERED TO *Loc.* ORDER NO. *121314* OWNER *Same*
 3. WELL TYPE *01* WELL CATEGORY *Development* JOB PURPOSE *G.S. 5 1/2" P.D. Cg.* WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
<i>595</i>					MILEAGE #113	<i>20</i>	<i>mi</i>			<i>6.50</i>	<i>130.00</i>
<i>598</i>					<i>Ramp Service</i>	<i>1</i>	<i>pa</i>			<i>1500.00</i>	<i>1500.00</i>
<i>407</i>					<i>Taxi Eket Sloe</i>	<i>1</i>	<i>pa</i>			<i>375.00</i>	<i>375.00</i>
<i>406</i>					<i>kick down plug + Baffle</i>	<i>1</i>	<i>pa</i>			<i>87.00</i>	<i>87.00</i>
<i>402</i>					<i>Contractions</i>	<i>5</i>	<i>pa</i>			<i>70.00</i>	<i>350.00</i>
<i>403</i>					<i>C.S. Baffle</i>	<i>1</i>	<i>pa</i>			<i>300.00</i>	<i>300.00</i>
<i>391</i>					<i>Old Flck</i>	<i>500</i>	<i>gal</i>			<i>1.25</i>	<i>625.00</i>
<i>419</i>					<i>KR</i>	<i>3</i>	<i>gal</i>			<i>166.67</i>	<i>500.00</i>
<i>290</i>					<i>Rating head</i>	<i>1</i>	<i>pa</i>			<i>200.00</i>	<i>200.00</i>
<i>0</i>					<i>O-Air</i>	<i>3</i>	<i>gal</i>			<i>147.00</i>	<i>441.00</i>
					<i>See Continuation</i>						

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

DATE SIGNED *X Bill Gault* TIME SIGNED A.M. P.M.

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

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL *8516*
 TAX *147*
 TOTAL *9963*

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

SWIFT OPERATOR APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 12-13-14 PAGE NO. 1

CUSTOMER American Leasing WELL NO. 2-33 LEASE G.S. JOB TYPE Long String TICKET NO. 26373

CHART NO.	TIME	RATE (BPM)	VOLUME (BBU/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							On Loc. Start 5 1/2 15.5" Csg. Insert Float Shoe 4204' Latch down Baffle "115" C.S. "1, "2, "3, "4, "30 Basket "5
	10:15							Drop Ball
	10:45							Circulate Rotate Csg.
	11:30							Plug R.H., M.H. 30' to 20'
	11:35	5	12					Pump 500 gal Mud Flush
		5	20					20" HCL Flush
			36					Mix 125 lbs E12 Cement Finish mixing wash out Pump + line
	11:45	9						Depth Latched down Plug
	12:10		99				RD/1500	Plug Down 1500 psi holding Release Plug hold wash + Pack up travel Job Complete

[Handwritten Signature]
Rogee, Jon. Struss