



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228505
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: _____



1228505

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: <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> _____
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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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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Marlin 1-32
Doc ID	1228505

Tops

Name	Top	Datum
Anhydrite	1391	768
Heebner	3623	-1464
Lansing	671	-1512
Base Kansas City	3993	-1834
Pawnee	4074	-1915
Ft. Scott	4149	-1990
Cherokee	4164	-2005
Mississippian	4239	-2080
TD	4265	-2106



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Marlin #1-32

32-18s-21w Ness,KS

Start Date: 2014.09.13 @ 18:03:00

End Date: 2014.09.14 @ 01:24:15

Job Ticket #: 59349 DST #: 1

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

Printed: 2014.09.17 @ 10:57:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

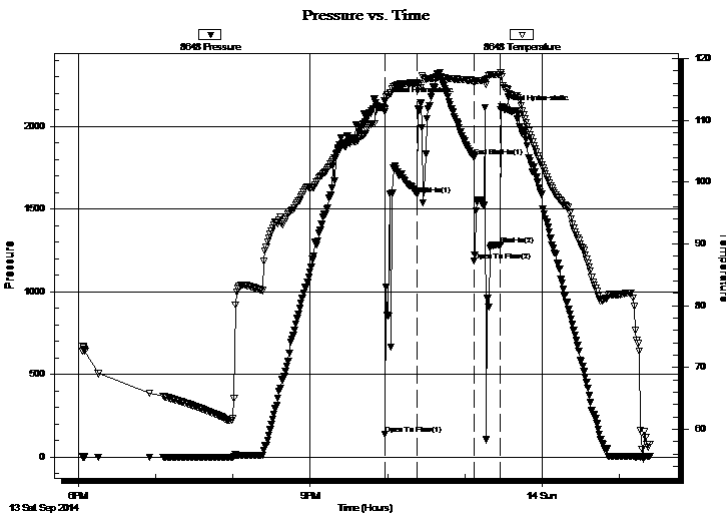
32-18s-21w Ness, KS
Marlin #1-32
Job Ticket: 59349 **DST#: 1**
Test Start: 2014.09.13 @ 18:03:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:58:15
Time Test Ended: 01:24:15
Interval: **4248.00 ft (KB) To 4258.00 ft (KB) (TVD)**
Total Depth: 4258.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73
Reference Elevations: 2159.00 ft (KB)
2151.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8648 Inside
Press@RunDepth: 1587.09 psig @ 4249.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.09.13 End Date: 2014.09.14 Last Calib.: 2014.09.14
Start Time: 18:03:05 End Time: 01:24:14 Time On Btm: 2014.09.13 @ 21:58:00
Time Off Btm: 2014.09.13 @ 23:28:00

TEST COMMENT: 40 - IF- 1 1/2" blow , dying, flushed tool at 30 min. Surging for 5 minutes, dying off. shut in at 40 minutes
30 - IS- No return
20 - FF- surged and died, flushed tool after 10 minutes, surged for 5 minutes and died. Pulled tool at 20 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.15	111.88	Initial Hydro-static
1	137.73	111.38	Open To Flow (1)
25	1587.09	116.00	Shut-In(1)
69	1813.85	116.45	End Shut-In(1)
70	1187.87	116.10	Open To Flow (2)
90	1284.74	117.41	Shut-In(2)
90	2101.70	117.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Mud, 100%M	0.61

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: Jason Alm

32-18s-21w Ness, KS
Marlin #1-32
Job Ticket: 59349 **DST#: 1**
Test Start: 2014.09.13 @ 18:03:00

Tool Information

Drill Pipe:	Length: 4216.00 ft	Diameter: 3.80 inches	Volume: 59.14 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 59.29 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4248.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4221.00	
Shut In Tool	5.00			4226.00	
Hydraulic tool	5.00			4231.00	
Jars	5.00			4236.00	
Safety Joint	3.00			4239.00	
Packer	5.00			4244.00	28.00 Bottom Of Top Packer
Packer	4.00			4248.00	
Stubb	1.00			4249.00	
Recorder	0.00	8648	Inside	4249.00	
Recorder	0.00	8940	Outside	4249.00	
Perforations	6.00			4255.00	
Bullnose	3.00			4258.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

32-18s-21w Ness,KS
Marlin #1-32
Job Ticket: 59349 **DST#: 1**
Test Start: 2014.09.13 @ 18:03:00

Mud and Cushion Information

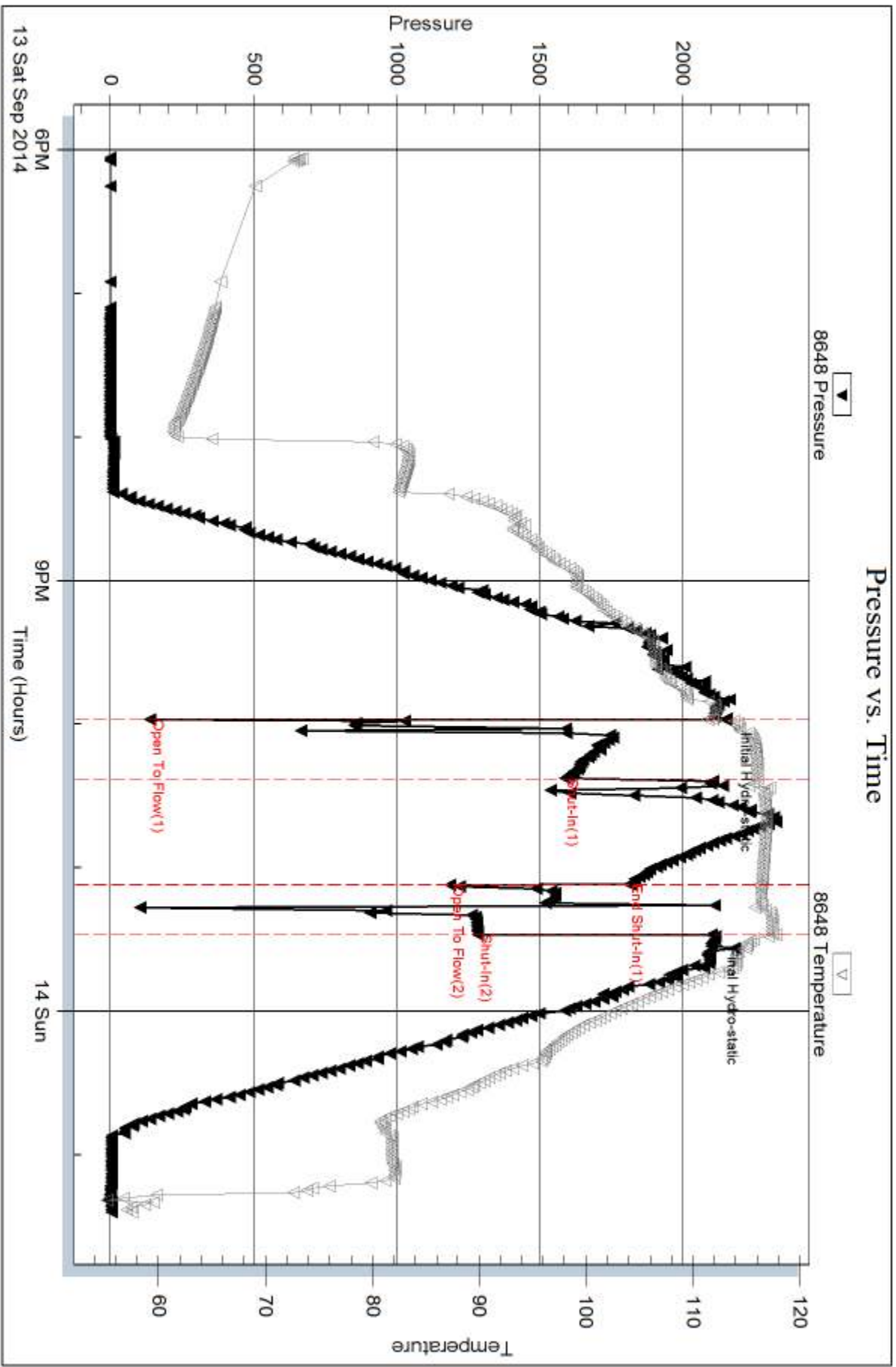
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Mud, 100%M	0.610

Total Length: 63.00 ft Total Volume: 0.610 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

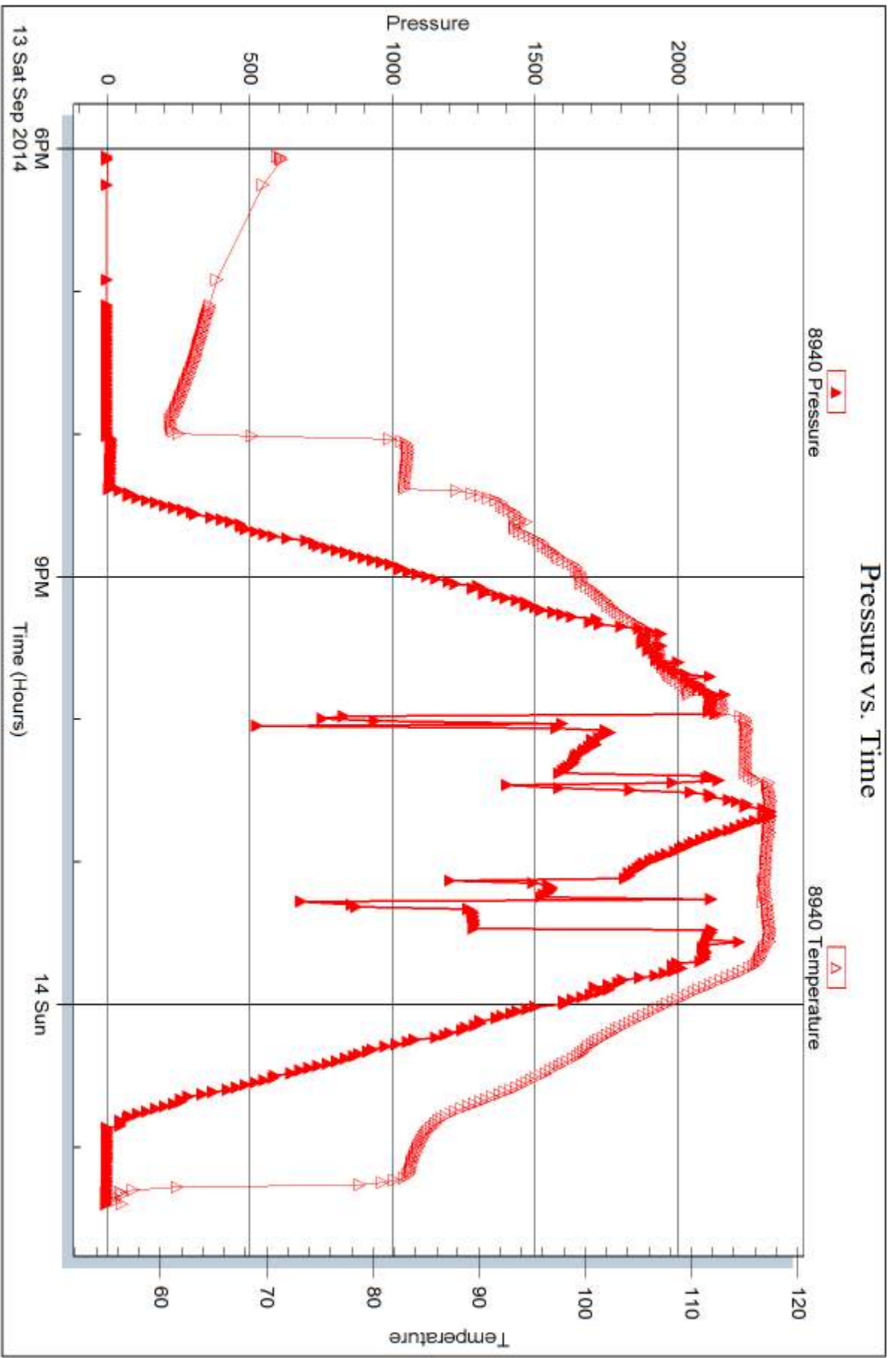


Serial #: 8940

Outside American Warrior Inc

Marlin #1-32

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59349

Printed: 2014.09.17 @ 10:57:37



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Marlin #1-32

32-18s-21w Ness,KS

Start Date: 2014.09.14 @ 06:34:00

End Date: 2014.09.14 @ 12:39:30

Job Ticket #: 59350 DST #: 2

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

Printed: 2014.09.17 @ 10:55:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

32-18s-21w Ness, KS

Marlin #1-32

Job Ticket: 59350

DST#: 2

Test Start: 2014.09.14 @ 06:34:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:26:45
 Tester: Cody Bloedorn
 Time Test Ended: 12:39:30
 Unit No: 73
 Interval: **4249.00 ft (KB) To 4260.00 ft (KB) (TVD)**
 Reference Elevations: 2159.00 ft (KB)
 Total Depth: 4260.00 ft (KB) (TVD)
 2151.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

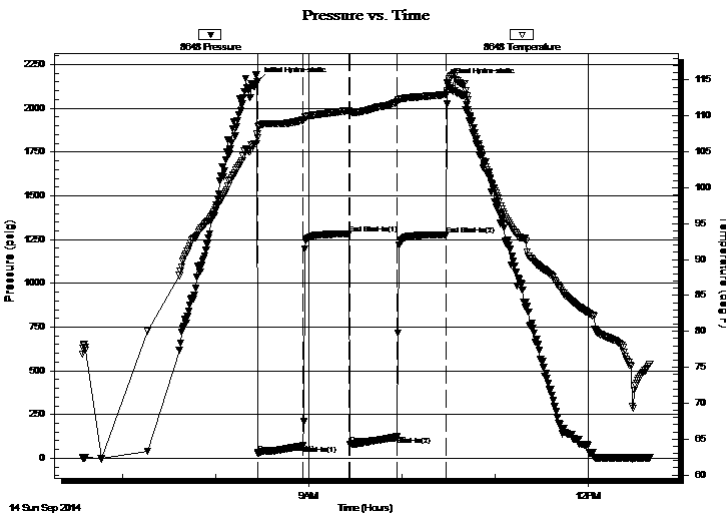
Serial #: 8648

Inside

Press@RunDepth: 123.32 psig @ 4250.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.14 End Date: 2014.09.14 Last Calib.: 2014.09.14
 Start Time: 06:34:05 End Time: 12:39:29 Time On Btm: 2014.09.14 @ 08:26:30
 Time Off Btm: 2014.09.14 @ 10:29:00

TEST COMMENT: 30 - IF- B.O.B. in 14 minutes
 30 - IS- 1/2" blow
 30 - FF- B.O.B. in 21 minutes
 30 - FS- Surface return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.39	107.43	Initial Hydro-static
1	28.33	106.94	Open To Flow (1)
30	73.43	109.42	Shut-In(1)
60	1283.18	110.76	End Shut-In(1)
60	79.98	110.35	Open To Flow (2)
90	123.32	111.92	Shut-In(2)
122	1279.04	112.96	End Shut-In(2)
123	2147.74	113.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GSOCM, 10%O, 20%G, 70%M	0.60
217.00	GO, 40%G, 60%O	3.04

* 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: Jason Alm

32-18s-21w Ness, KS
Marlin #1-32
Job Ticket: 59350 **DST#: 2**
Test Start: 2014.09.14 @ 06:34:00

Tool Information

Drill Pipe:	Length: 4215.00 ft	Diameter: 3.80 inches	Volume: 59.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 59.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4249.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			4222.00	
Shut In Tool	5.00			4227.00	
Hydraulic tool	5.00			4232.00	
Jars	5.00			4237.00	
Safety Joint	3.00			4240.00	
Packer	5.00			4245.00	28.00 Bottom Of Top Packer
Packer	4.00			4249.00	
Stubb	1.00			4250.00	
Recorder	0.00	8648	Inside	4250.00	
Recorder	0.00	8940	Outside	4250.00	
Perforations	7.00			4257.00	
Bullnose	3.00			4260.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

32-18s-21w Ness,KS
Marlin #1-32
Job Ticket: 59350 **DST#: 2**
Test Start: 2014.09.14 @ 06:34:00

Mud and Cushion Information

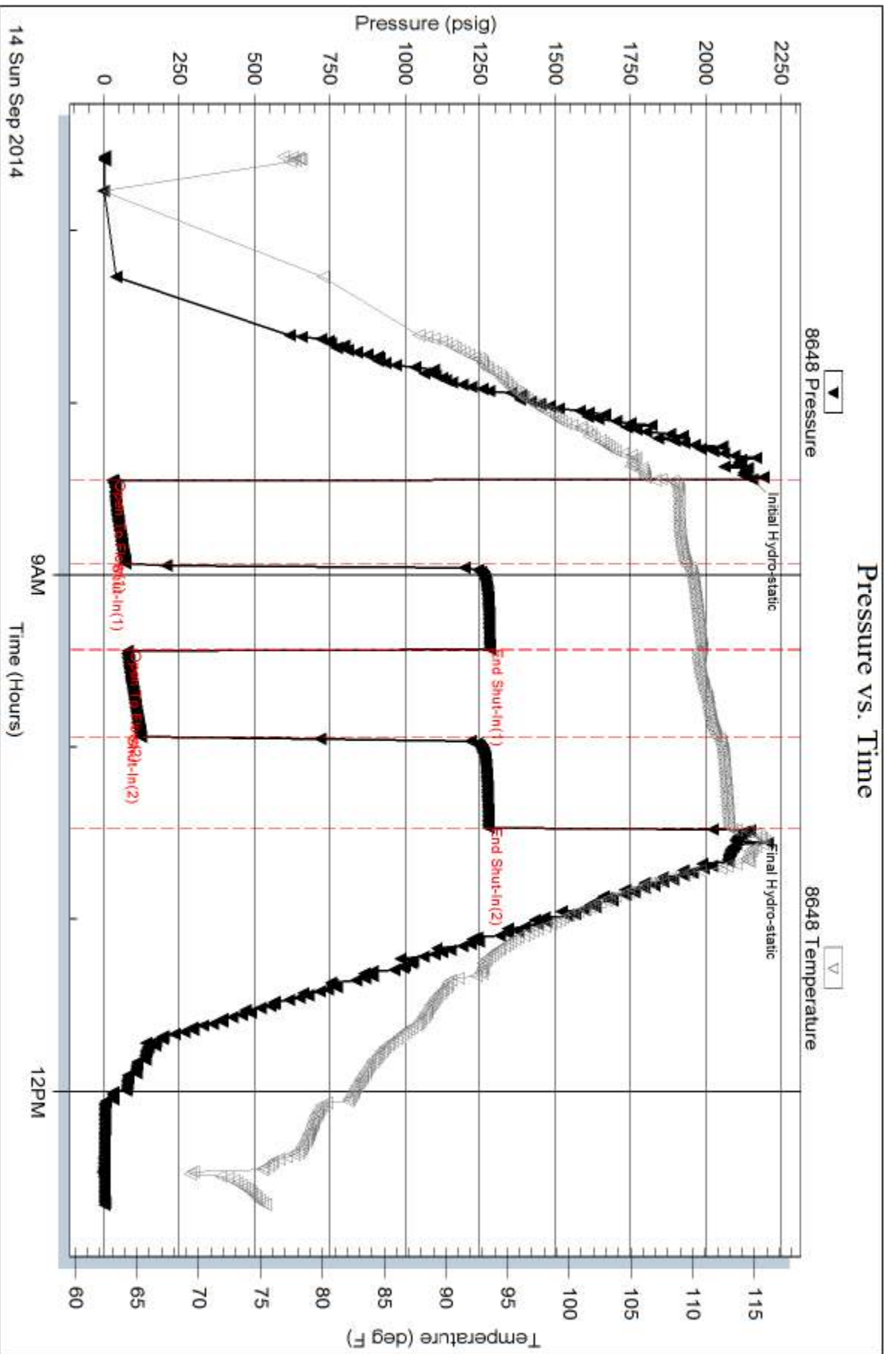
Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GSOCM, 10%O, 20%G, 70%M	0.596
217.00	GO, 40%G, 60%O	3.044

Total Length: 279.00 ft Total Volume: 3.640 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Gravity: 42 @ 80 Degrees = 40

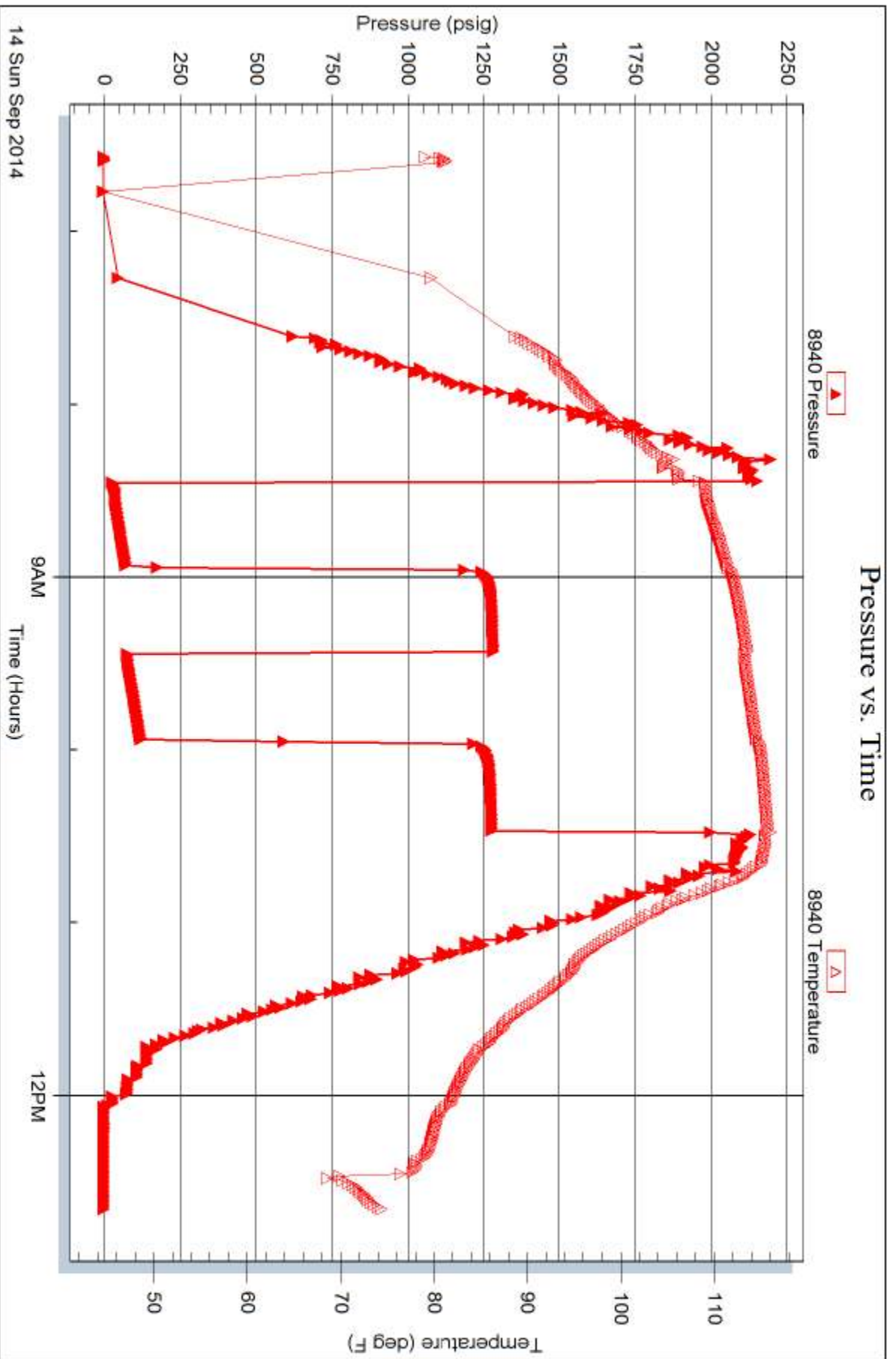


Serial #: 8940

Outside American Warrior Inc

Marlin #1-32

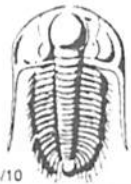
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 59350

Printed: 2014.09.17 @ 10:55:29



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59349

Well Name & No. Marlin # 1-32 Test No. 1 Date 9-13-14
 Company American Warrior Inc Elevation 2159 KB 2151 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Discovery #3
 Location: Sec. 32 Twp. 18E Rge. 21W Co. Ness State KS

Interval Tested 4248-4258 Zone Tested Miss
 Anchor Length 10' Drill Pipe Run 4216 Mud Wt. 9.4
 Top Packer Depth 4243 Drill Collars Run 30 Vis 50
 Bottom Packer Depth 4248 Wt. Pipe Run — WL 8.8
 Total Depth 4258 Chlorides 3600 ppm System LCM 1-

Blow Description IF- slid 10', 1 1/2" blow, dying. Flushed tool @ 30 min. Surging shut in @ 40 min.
ISI- No return
FF- surged & died, Flushed tool @ 10 min. Surged for 5 min. & died. Pulled tool @ 20 minutes
FSI-

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>65</u>	Feet of	%gas	%oil	%water	%mud

Rec Total 63' BHT 117° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2149</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1742</u>
(B) First Initial Flow <u>137</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1803</u>
(C) First Final Flow <u>1587</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2157</u>
(D) Initial Shut-In <u>1813</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2337</u>
(E) Second Initial Flow <u>1887</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0124</u>
(F) Second Final Flow <u>1284</u>	<input checked="" type="checkbox"/> Mileage <u>120RT</u> 186	Comments <u>slid 10'</u>
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2101</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>40</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>20 Pull</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In	<input type="checkbox"/> Day Standby	Total <u>1561</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1561</u>	

Approved By _____ Our Representative Cody Bloodorn

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. 59350

Well Name & No. Marlin # 1-32 Test No. 2 Date 9-14-14
 Company American Warrior Inc Elevation 2159 KB 2151
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Discovery # 3
 Location: Sec. 32 Twp. 18S Rge. 2/W Co. Ness State KS

Interval Tested 4249-4260 Zone Tested Miss
 Anchor Length 11' Drill Pipe Run 4215' Mud Wt. 9.4
 Top Packer Depth 4244 Drill Collars Run 30' Vis 50
 Bottom Packer Depth 4249 Wt. Pipe Run — WL 8.8
 Total Depth 4260 Chlorides 3600 ppm System LCM 1

Blow Description IF- B.O.B. in 14 minutes
ISF- 1/2" blow
FF- B.O.B. in 21 minutes
FSI- Surface return

Rec <u>62</u>	Feet of <u>6500M</u>	<u>20%</u> gas	<u>10%</u> oil	%water	<u>70</u> %
Rec <u>217</u>	Feet of <u>60</u>	<u>40%</u> gas	<u>60%</u> oil	%water	%
Rec	Feet of	%gas	%oil	%water	%
Rec	Feet of <u>248</u>	<u>G.I.P.</u>			
Rec	Feet of	%gas	%oil	%water	%

Rec Total 279' BHT 112° Gravity 40 API RW — @ — ° F Chlorides —
 (A) Initial Hydrostatic 2154 Test 1250 T-On Location 0625
 (B) First Initial Flow 28 Jars 250 T-Started 0634
 (C) First Final Flow 73 Safety Joint 75 T-Open 0827
 (D) Initial Shut-In 1283 Circ Sub — T-Pulled 1027
 (E) Second Initial Flow 79 Hourly Standby — T-Out 1239
 (F) Second Final Flow 123 Mileage 120RT 186 Comments 42@80° = 40
 (G) Final Shut-In 1279 Sampler — 6ra
 (H) Final Hydrostatic 2147 Straddle —
 Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Extra Recorder — Sub Total 0
 Day Standby — Total 1761
 Accessibility 1761 MP/DST Disc't —
 Sub Total —

Approved By — Our Representative Cody B

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of 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.



Services, Inc.

CHARGE TO:

AMERICAN WARRIOR

TICKET 27933

ADDRESS:

CITY, STATE, ZIP CODE

PAGE 1 OF

1. SERVICE LOCATION
NESS CITY, KS

WELL/PROJECT NO.

LEASE
MARUN 1-32

COUNTY
NESS

STATE
KS

CITY
RAZINE, KS

DATE
16 SEP 14

OWNER

2. TICKET TYPE
 SERVICE
 SALES

CONTRACTOR
HD OILFIELD SERV.

RIG NAME/NO.

WELL TYPE
DIL

JOB PURPOSE
DEVELOPMENT

WELL PERMIT NO.

WELL LOCATION
151E 13N 35E N 50

3. REFERRAL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE

SECONDARY REFERENCE/
PART NUMBER

ACCOUNTING
LOC ACCT DF

DESCRIPTION

QTY. U/M

QTY. U/M

UNIT PRICE

AMOUNT

575

MILEAGE 115

20

1500

60

1500

1500

576D

PUMP CHARGE

1500

1500

1500

1500

1500

1DS

PORT COLLAR OPENING TAX

1

350

350

350

350

276

FLUIDE

35

15

42

42

42

29D

D-AIR

1 1/2

63

63

63

63

33D

SMD CEMENT

13D

175

174.00

174.00

250

581

CEMENT SERVICE CHARGE

175

175

175

175

350

082

MINIMUM DRAINAGE

174.00

174.00

174.00

174.00

250

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

DATE SIGNED
16 SEP 14

TIME SIGNED
1:51 P.M.

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

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?

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL
5125

TAX 7%
178.69

TOTAL
5304.19

SWIFT OPERATOR

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR

APPROVAL

DATE SIGNED

TIME SIGNED

REMIT PAYMENT TO:

TOTAL

SWIFT OPERATOR
Jeanette Smith

APPROVAL

DATE SIGNED

TIME SIGNED

REMIT PAYMENT TO:

SURVEY

PAGE TOTAL

TAX

TOTAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 76 Sep 14 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE MARLIN 1-32 JOA TYPE CEMENT PORT COLLAR TICKET NO. 27933

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							ON LOCATION
								PORT COLLAR @ 1348
	1401				✓		1000	TEST - HELD
	1404							OPEN PORT COLLAR
	1406	4	72		✓		400	MIX 130Sx5M D CEMENT
		3	4 3/4		✓		200	DISPLACE CEMENT
								CIRCULATE 20Sx TO PIT
	1427				✓		1000	CLOSE PORT COLLAR - TEST - HELD
								RUN 4 JTS.
	1437	4	18		✓		300	REVERSE CLEAN
	1448							WASH TRUCK
	1515							JOB COMPLETE.
								THANKS #115
								JASON DAVE PRESTON



Services, Inc.

TICKET 26554

CHARGE TO: **Amerson Warrick Inc**
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

PAGE 1 OF 2

SERVICE LOCATIONS

1. **Ness Co., Ks**

WELL/PROJECT NO. **1-32** LEASE **MARTEL** COUNTY/PARISH **Ness** STATE **Ks** CITY _____ DATE **9-14-14** OWNER **SWNE**

TICKET TYPE **CONTRACTOR** RIG NUMBER _____

2. **Discovery Drilling #3** WELL TYPE **DRILLING** WELL CATEGORY **Development** JOB PURPOSE **5 1/2" LONGSTRESS**

3. **Discovery Drilling #3** DELIVERED TO **LOCATED** WELL PERMIT NO. _____

4. **Discovery Drilling #3** WELL LOCATION **SE/BRIDGE Ks**

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
576				MILEAGE # 115	20	MI			6.00	120.00
578				PUMP CURVE	1	PCS	4254	FT	1500.00	1500.00
221				BRAND KEI	2	GM			25.00	50.00
281				MATERIAL	500	GM			1.25	625.00
402				CENTRIZERS	5	EA	5 1/2"		70.00	350.00
403				CONCRETE BACKETS	2	EA			300.00	600.00
404				PORT COVER	1	EA	1348	FT	2900.00	2900.00
406				LOTCH DRAIN Pvc - 8" SDR	1	EA			275.00	275.00
407				TARGET FLOOR SHEET 2" / 4" X 6" FOL	1	EA			375.00	375.00
408				APPROX. HOLE DEPTH	1	EA			200.00	200.00

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

DATE SIGNED **9-14-14** TIME SIGNED **5:44 P.M.**

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 406
NESS CITY, KS 67560
785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL #1 **6795.00**

TAX #2 **4932.50**

TOTAL

SWIFT OPERATOR **Wayne Watson** APPROVAL _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

Thank You!



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

TICKET CONTINUATION

TICKET No. 26554

CUSTOMER
Anderson Logging Inc

WELL MARKED 1-32

DATE 9-14-14

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL MARKED				DATE	UNIT PRICE	AMOUNT		
		LOC	ACCT	DR			QTY	U/M	QTY	U/M					
325						SPANNED CONCRETE	EA-2	175	SUR				14.50	2537.50	
276						FLORES		50	US				2.50	125.00	
283						SALT		900	US				.20	180.00	
284						CURB		8	SUR	800	US		35.00	280.00	
292						HAND-322		125	US				8.00	1000.00	
290						D-ADR		5	US				42.00	210.00	
581						SERVICE CHARGE							2.00	350.00	
582						MILEAGE CHANGE							250.00	250.00	
							TOTAL WEIGHT	18325							
							LOADED MILES	20							
							CUBIC FEET	175							
							TOM MILES	18325							
													CONTINUATION TOTAL	4932.50	

JOB LOG

SWIFT Services, Inc.

DATE 9-14-14 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR Tax

WELL NO. 1-32

LEASE MARLIN

JOB TYPE 5 1/2" LONGSTRONG

TICKET NO. 26554

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/HR)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							ON LOCATION
	2030							START 5 1/2" CASING IN WELL
								TD - 4265' SET = 4264
								TP - 4269' 5 1/2" 15.5
								ST - 43'
								CONDUITS - 1, 2, 3, 4, 72
								CMT BSKS - 5, 73
								PORT COLL = 1348' TOP FT # 73
	2200							DROP BALL - CALCULATE ROUTE
	2240	6	12		✓		450	PUMP 500 GAL MUDFLUSH
	2242	6	20		✓		450	PUMP 20 BBS KCL-FLUSH
	2250		7-5					PLUG RH (30) MH (20)
	2254	4	30		✓		250	MAX COMP - 125 SPS EA-2 = 15.4 PPG
	2303							WASH OUT PUMP - LINES
	2303							RELEASE LATCH DOWN PLUG
	2305	7	0		✓		0	DISPLACE PLUG
		7	95				750	
	2320	6	100.6				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	2325						OK	RELEASE PSE - HELD
								WASH TRUCK
	2400							JOB COMPLETE
								THANK YOU WAXIE, JASON, JOHN



CHARGE TO: American Wharrior
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 26570

PAGE 1 OF 1

SERVICE LOCATIONS: Marlin, KS

WELL/PROJECT NO.: 1-32 LEASE: MARLIN COUNTY/PARISH: MOOD STATE: KS CITY: BARINE DATE: 8/28/14 OWNER: _____

TICKET TYPE: SERVICE SALES CONTRACTOR: _____ RIG NAME/NO.: 3 SHIPPED: DELIVERED TO: location ORDER NO.: _____

WELL TYPE: A-1 WELL CATEGORY: Production JOB PURPOSE: connect surface pipe WELL PERMIT NO.: _____

WELL LOCATION: _____

INVOICE INSTRUCTIONS: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	20	mi			6.00	120.00
576	(576)	1			Pump Charge	1	ea			1000.00	1000.00
325		1			STANDARD cement	150	bc	14	bc	21.75	3262.50
279		1			Backhoe GC1	3	hr	3	hr	25.00	75.00
278		1			Cellular Choker	3	hr	4	hr	50.00	200.00
290		1			D-air	1	pal			42.00	42.00
582		1			Dragage (win)	1	hr			250.00	250.00
581		1			Service charge	1	hr			200.00	200.00

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

X DATE SIGNED: _____ TIME SIGNED: _____

REMIT PAYMENT TO:

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 41602.00

TAX: _____

TOTAL: _____

SWIFT OPERATOR: _____ APPROVAL: _____

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE: SEP 14 PAGE NO. 7

CUSTOMER: American Varnish WELL NO. 1-32 LEASE: MARLIN JOB TYPE: cement surface pipe TICKET NO. 26579

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								150sk STANDARD cement, 28gel/100 8 3/4" x 23" casing 221
	2000							on loc TRK 114
	2045							circulate well
	2058	4	5				200	Pump H ₂ O - 5bbl
	2100	4	36				200	Mix STD 2% 3% cement 150sk @ 417 gpg
	2115	4	13 1/2				200	Displace w/ H ₂ O
								— cement to surface — (150sk mixed + 20sk top)
	2120							shot in 8 3/4" casing wash truck
								Rack up
	0450							job complete 4 trucks Flint, Blaine # 5044

Geological Report

American Warrior, Inc.

Marlin #1-32

2290' FNL & 1610' FEL

Sec. 32 T18s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Marlin #1-32
2290' FNL & 1610' FEL
Sec. 32 T18s R21w
Ness County, Kansas
API # 15-135-25801-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #3

Geologist: Jason T Alm

Spud Date: September 8, 2014

Completion Date: September 14, 2014

Elevation: 2151' Ground Level
2159' Kelly Bushing

Directions: Bazine KS, South 2 mi. to 110 rd. East 1 mi. to EE rd. North 1 ½ mi. to 125 rd. East ¾ mi, North into location.

Casing: 221' 8 5/8" surface casing
4264' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Cody Bloedorn"

Problems: Tool was plugged throughout DST #1

Remarks: DST #1 was inconclusive due to tool plugging

Formation Tops

Formation	American Warrior, Inc. Marlin #1-32 Sec. 32 T18s R21w 2290' FNL & 1610' FEL
Anhydrite	1391', +768
Base	1422', +737
Heebner	3623', -1464
Lansing	3671', -1512
BKc	3993', -1834
Pawnee	4074', -1915
Fort Scott	4149', -1990
Cherokee	4164', -2005
Mississippian	4239', -2080
Osage	4247', -2088
RTD	4265', -2106

Sample Zone Descriptions

- Fort Scott (4149', -1990): Not Tested**
 Ls – Fine to sub-crystalline with scattered poor inter-crystalline porosity, light to fair scattered oil stain in porosity, very slight show of free oil, no odor, good yellow fluorescents, 50 units hotwire.
- Mississippian Osage (4247', -2088): Covered in DST #1,2**
 Dolo – Δ – Fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, very heavy triptolitic chert, weathered with good vuggy porosity, few pieces granular chert with excellent inter-granular and vuggy porosity, light to good oil stain and saturation, good show of free oil, good odor, bright yellow fluorescents, 330 units hotwire.

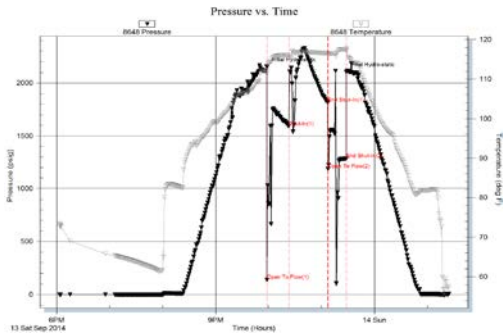
Drill Stem Tests

Trilobite Testing, Inc.
"Cody Bloedorn"

DST #1 Mississippian Osage

Interval (4248' – 4258') Anchor Length 10'

IHP – 2149 #
IFP – 30" – Built to 1 ½ in. 137-1587 #
ISI – 30" – Dead 1814 #
FFP – 10" – Dead 1187-1284 #
FHP – 2102 #
BHT – 117°F

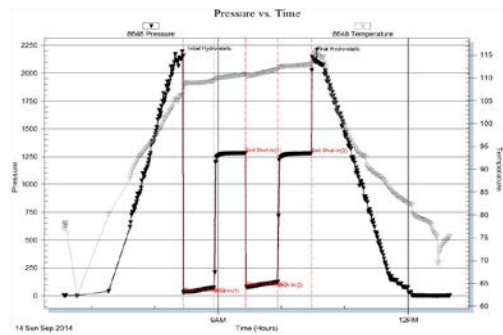


Recovery: 63' Mud
 Test Tool was plugged throughout

DST #2 Mississippian Osage

Interval (4249' – 4260') Anchor Length 11'

IHP – 2154 #
IFP – 30" – B.O.B. 14 min. 28-73 #
ISI – 30" – Built to ½ in. 1283 #
FFP – 30" – B.O.B. 21 min. 79-123 #
FSI – 30" – W.S.B. 1279 #
FHP – 2148 #
BHT – 113°F



Recovery: 248' GIP
 217' GCO 60% Oil
 62' GSOCM 10% Oil, 70% Mud

Structural Comparison

	American Warrior, Inc. Marlin #1-32 Sec. 32 T18s R21w 2290' FNL & 1610' FEL	DNB Drilling, Inc. Schniepp #2 Sec. 32 T18s R21w C S/2 NE/4		DNB Drilling, Inc. Schniepp B #4 Sec. 32 T18s R21w SE SE NE	
Formation					
Anhydrite	1391', +768	1356', +772	(-4)	1342', +779	(-11)
Base	1422', +737	NA	NA	NA	NA
Heebner	3623', -1464	3596', -1468	(+4)	3580', -1459	(-5)
Lansing	3671', -1512	3644', -1516	(+4)	3626', -1505	(-7)
BKc	3993', -1834	3968', -1840	(+6)	NA	NA
Pawnee	4074', -1915	4046', -1918	(+3)	NA	NA
Fort Scott	4149', -1990	4124', -1996	(+6)	4113', -1992	(+2)
Cherokee	4164', -2005	4140', -2012	(+7)	NA	NA
Mississippian	4239', -2080	4206', -2078	(-2)	4214', -2093	(+13)
Osage	4247', -2088	4222', -2094	(+6)	NA	NA

Summary

The location for the Marlin #1-32 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 Marlin #1-32 well.

Recommended Perforations

Primary:

Mississippian Osage (4247' – 4257') **DST #1,2**

Before Abandonment:

Fort Scott (4151' – 4156') **Not Tested**

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

