



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1233213
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: _____

1233213

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> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Hoelscher #2-10

10-18s-10w Rice,KS

Start Date: 2014.09.17 @ 01:00:00

End Date: 2014.09.17 @ 06:16:00

Job Ticket #: 60320 DST #: 1

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

Printed: 2014.09.18 @ 15:18:57



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

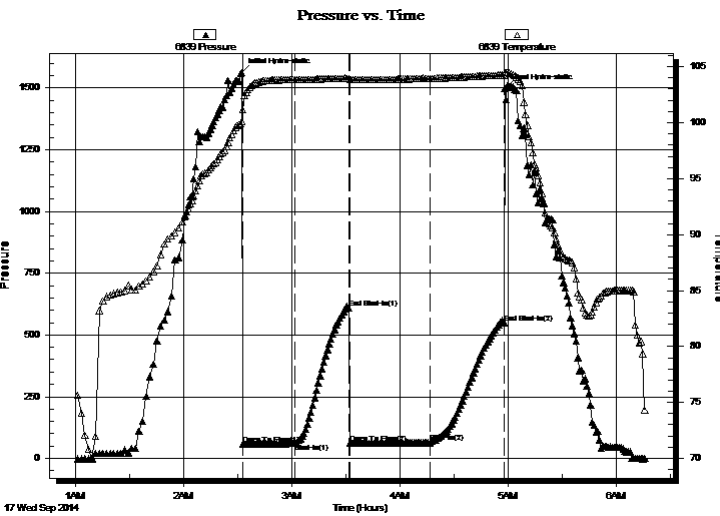
10-18s-10w Rice, KS
Hoelscher #2-10
Job Ticket: 60320 **DST#: 1**
Test Start: 2014.09.17 @ 01:00:00

GENERAL INFORMATION:

Formation: **LKC H-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:33:00
Time Test Ended: 06:16:00
Interval: 3078.00 ft (KB) To 3164.00 ft (KB) (TVD)
Total Depth: 3164.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: S2
Reference Elevations: 1800.00 ft (KB)
1792.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6839 Inside
Press@RunDepth: 550.34 psig @ 3159.76 ft (KB) Capacity: 5000.00 psig
Start Date: 2014.09.17 End Date: 2014.09.17 Last Calib.: 2014.09.17
Start Time: 01:01:00 End Time: 06:15:30 Time On Btm: 2014.09.17 @ 02:32:00
Time Off Btm: 2014.09.17 @ 04:58:00

TEST COMMENT: IFP 30 Weak blow built to 1"
ISI 30 No blow back.
FFP 45 Weak surface blow died off.
FSI 45 No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.81	100.14	Initial Hydro-static
1	57.53	101.15	Open To Flow (1)
30	60.96	103.83	Shut-In(1)
60	610.05	103.97	End Shut-In(1)
60	61.11	103.84	Open To Flow (2)
105	63.81	103.96	Shut-In(2)
146	550.34	104.25	End Shut-In(2)
146	1498.61	104.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

10-18s-10w Rice,KS

PO Box 399
Garden City KS 67846

Hoelscher #2-10

Job Ticket: 60320

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.09.17 @ 01:00:00

Tool Information

Drill Pipe:	Length: 3065.00 ft	Diameter: 3.80 inches	Volume: 42.99 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 42.99 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3078.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.76 ft			
Tool Length:	114.76 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3055.00	
Hydraulic tool	5.00			3060.00	
Jars	6.00			3066.00	
Safety Joint	2.00			3068.00	
Top Packer	5.00			3073.00	
Packer	5.00			3078.00	28.00 Bottom Of Top Packer
Anchor	5.00			3083.00	
Change Over Sub	0.75			3083.75	
Drill Pipe	63.26			3147.01	
Change Over Sub	0.75			3147.76	
Anchor	12.00			3159.76	
Recorder	0.00	6839	Inside	3159.76	
Recorder	0.00	6999	Outside	3159.76	
Bull Plug	5.00			3164.76	86.76 Anchor Tool

Total Tool Length: 114.76



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

10-18s-10w Rice,KS

PO Box 399
Garden City KS 67846

Hoelscher #2-10

Job Ticket: 60320

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.09.17 @ 01:00:00

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100%	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

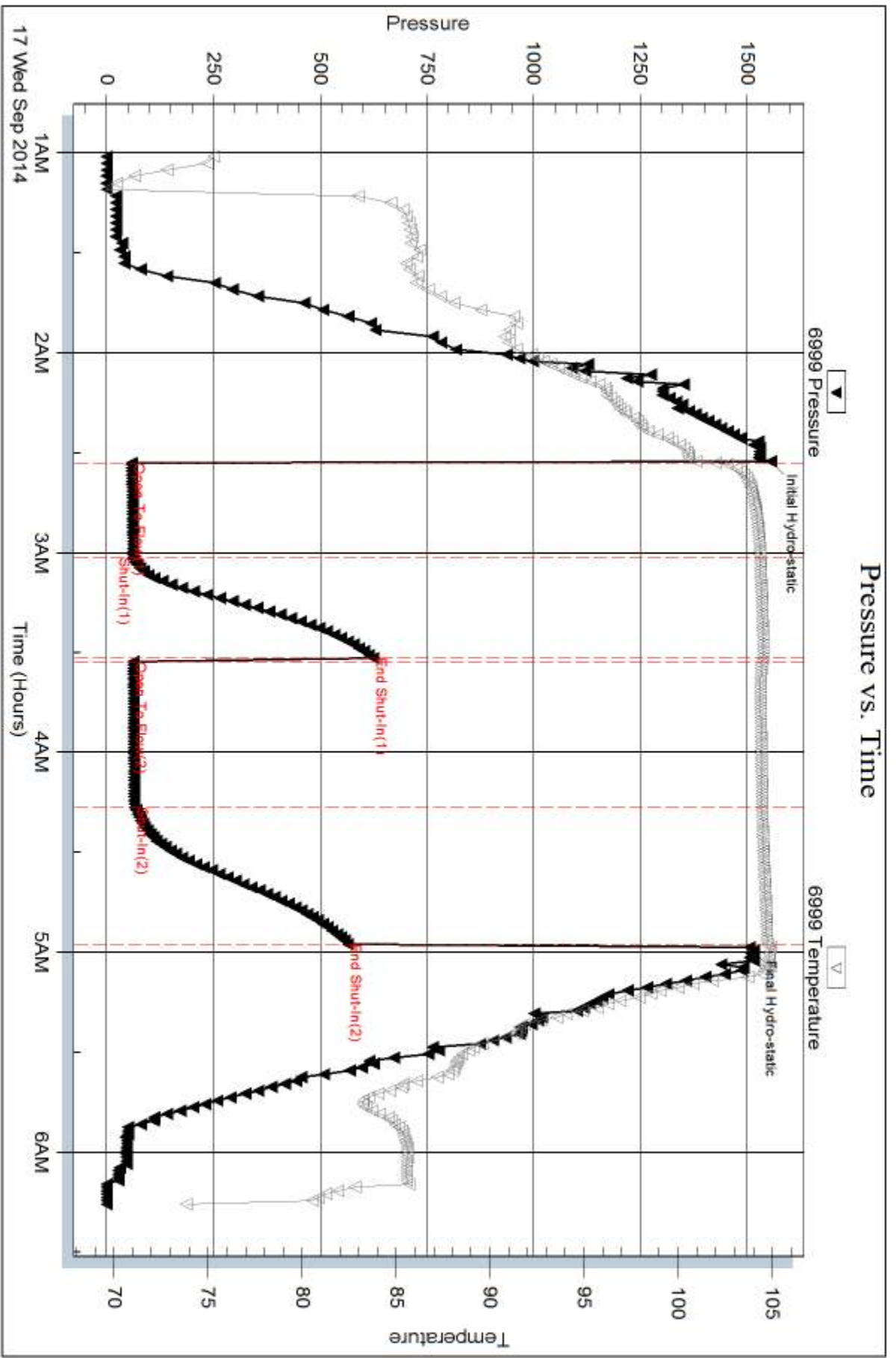
Num Gas Bombs: 0

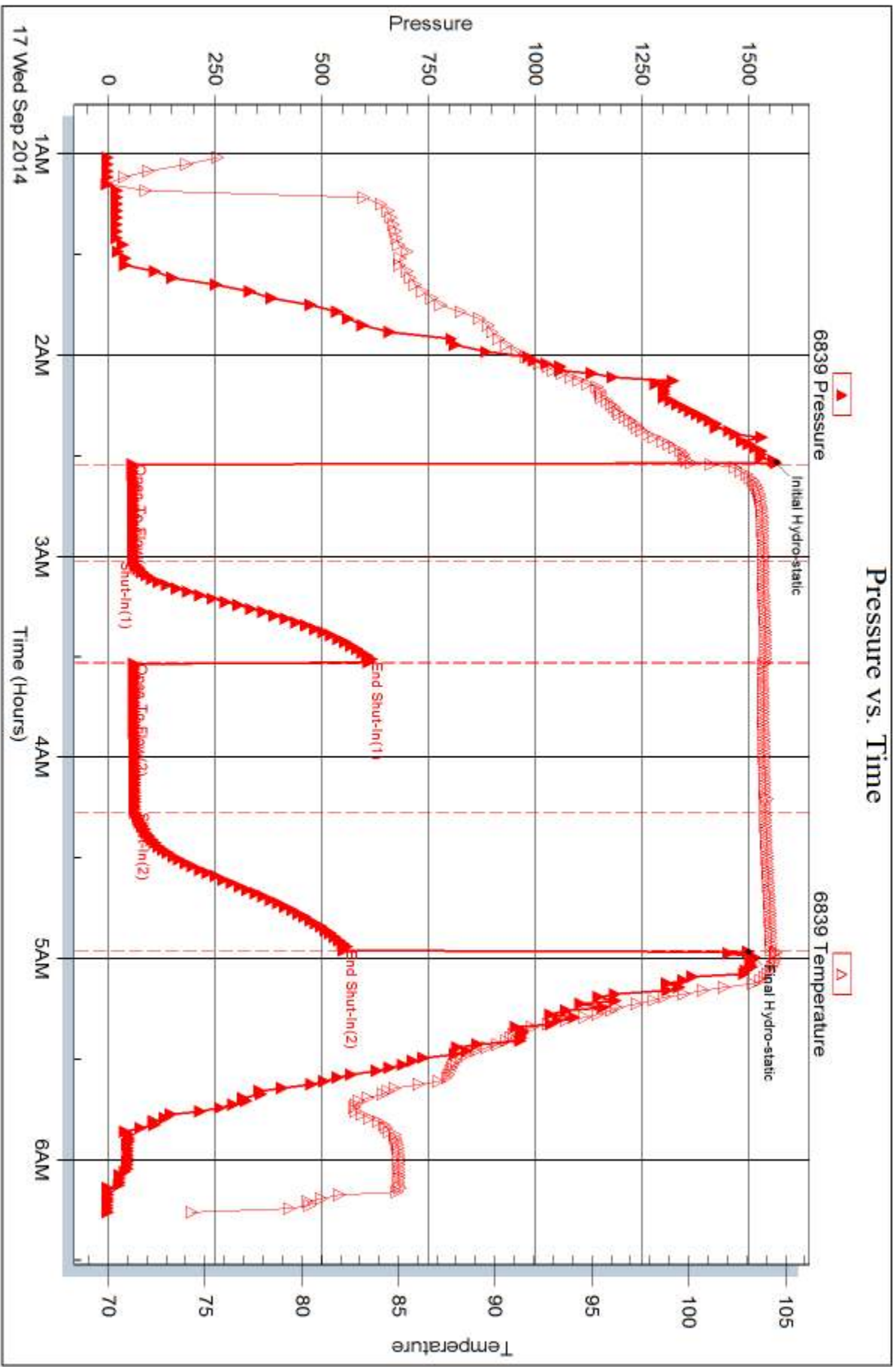
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Hoelscher #2-10

10-18s-10w Rice,KS

Start Date: 2014.09.17 @ 05:00:00

End Date: 2014.09.17 @ 16:47:53

Job Ticket #: 60321 DST #: 2

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

Printed: 2014.09.18 @ 15:05:54



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

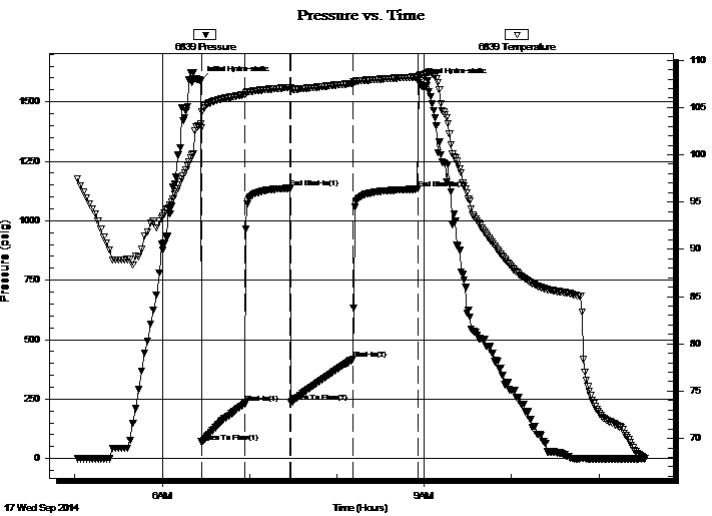
10-18s-10w Rice, KS
Hoelscher #2-10
 Job Ticket: 60321 **DST#: 2**
 Test Start: 2014.09.17 @ 05:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:32:30
 Time Test Ended: 16:47:53
 Interval: **3220.00 ft (KB) To 3294.00 ft (KB) (TVD)**
 Total Depth: 3294.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1800.00 ft (KB)
 1792.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6839 Inside
 Press@RunDepth: 416.70 psig @ 3289.94 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.09.17 End Date: 2014.09.17 Last Calib.: 2014.09.18
 Start Time: 05:01:53 End Time: 11:31:53 Time On Btm: 2014.09.17 @ 06:26:23
 Time Off Btm: 2014.09.17 @ 08:56:23

TEST COMMENT: IFP 30 BOB in 5 minutes.
 ISI 30 s No blow back.
 FFP 45 BOB in 7 minutes.
 FSI 45 No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.20	103.23	Initial Hydro-static
1	69.75	102.89	Open To Flow (1)
31	231.12	106.36	Shut-In(1)
62	1136.94	107.13	End Shut-In(1)
62	237.78	106.90	Open To Flow (2)
105	416.70	107.56	Shut-In(2)
149	1132.92	108.24	End Shut-In(2)
150	1581.74	108.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
693.00	Clean oil 100%	9.72
242.00	Oil cut mud 85%Oil 15%Mud	3.39
63.00	Oil cut mud 76% Oil 24%Mud	0.88

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

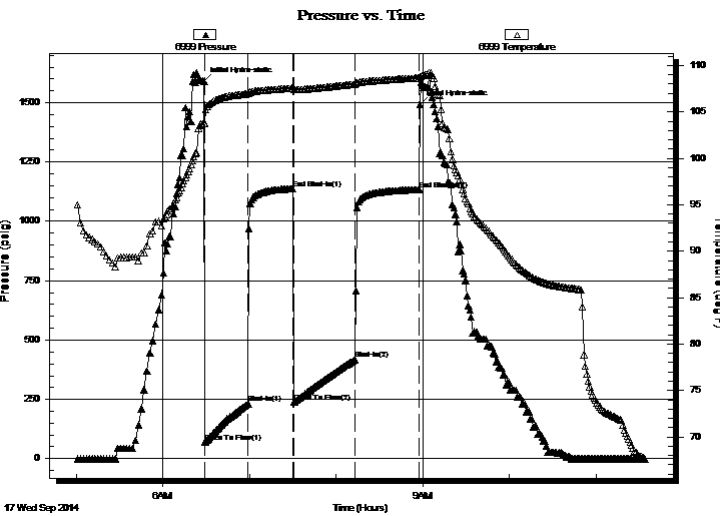
10-18s-10w Rice, KS
Hoelscher #2-10
 Job Ticket: 60321 **DST#: 2**
 Test Start: 2014.09.17 @ 05:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:32:30
 Time Test Ended: 16:47:53
 Interval: **3220.00 ft (KB) To 3294.00 ft (KB) (TVD)**
 Total Depth: 3294.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1800.00 ft (KB)
 1792.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6999 Outside
 Press@RunDepth: 1133.81 psig @ 3289.94 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.09.17 End Date: 2014.09.17 Last Calib.: 2014.09.18
 Start Time: 05:01:00 End Time: 11:34:00 Time On Btm: 2014.09.17 @ 06:28:30
 Time Off Btm: 2014.09.17 @ 08:58:00

TEST COMMENT: IFP 30 BOB in 5 minutes.
 ISI 30 s No blow back.
 FFP 45 BOB in 7 minutes.
 FSI 45 No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.96	103.78	Initial Hydro-static
1	69.79	103.80	Open To Flow (1)
31	232.19	106.94	Shut-In(1)
62	1138.03	107.55	End Shut-In(1)
62	238.57	107.39	Open To Flow (2)
105	417.87	107.97	Shut-In(2)
149	1133.81	108.65	End Shut-In(2)
150	1491.94	108.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
693.00	Clean oil 100%	9.72
242.00	Oil cut mud 85%Oil 15%Mud	3.39
63.00	Oil cut mud 76% Oil 24%Mud	0.88

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

10-18s-10w Rice,KS

PO Box 399
Garden City KS 67846

Hoelscher #2-10

Job Ticket: 60321

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.09.17 @ 05:00:00

Tool Information

Drill Pipe:	Length: 3222.00 ft	Diameter: 3.80 inches	Volume: 45.20 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 45.20 bbl</u>	Tool Chased	3.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3220.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	74.94 ft				
Tool Length:	102.94 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3197.00	
Hydraulic tool	5.00			3202.00	
Jars	6.00			3208.00	
Safety Joint	2.00			3210.00	
Top Packer	5.00			3215.00	
Packer	5.00			3220.00	28.00 Bottom Of Top Packer
Anchor	5.00			3225.00	
Change Over Sub	0.75			3225.75	
Drill Pipe	31.44			3257.19	
Change Over Sub	0.75			3257.94	
Anchor	32.00			3289.94	
Recorder	0.00	6839	Inside	3289.94	
Recorder	0.00	6999	Outside	3289.94	
Bull Plug	5.00			3294.94	74.94 Anchor Tool

Total Tool Length: 102.94



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

10-18s-10w Rice,KS

PO Box 399
Garden City KS 67846

Hoelscher #2-10

Job Ticket: 60321

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.09.17 @ 05:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
693.00	Clean oil 100%	9.721
242.00	Oil cut mud 85%Oil 15%Mud	3.395
63.00	Oil cut mud 76% Oil 24%Mud	0.884

Total Length: 998.00 ft Total Volume: 14.000 bbl

Num Fluid Samples: 0

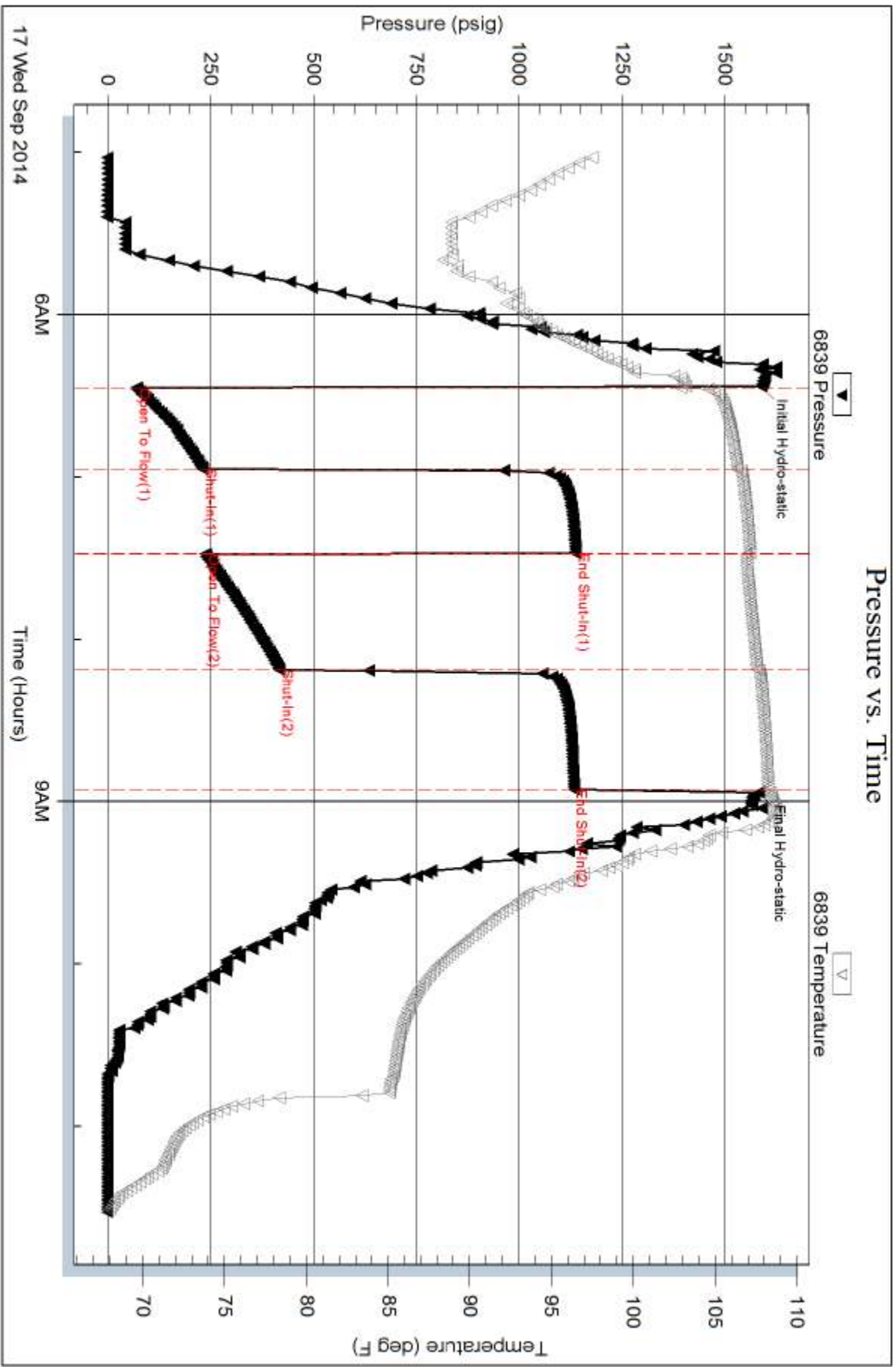
Num Gas Bombs: 0

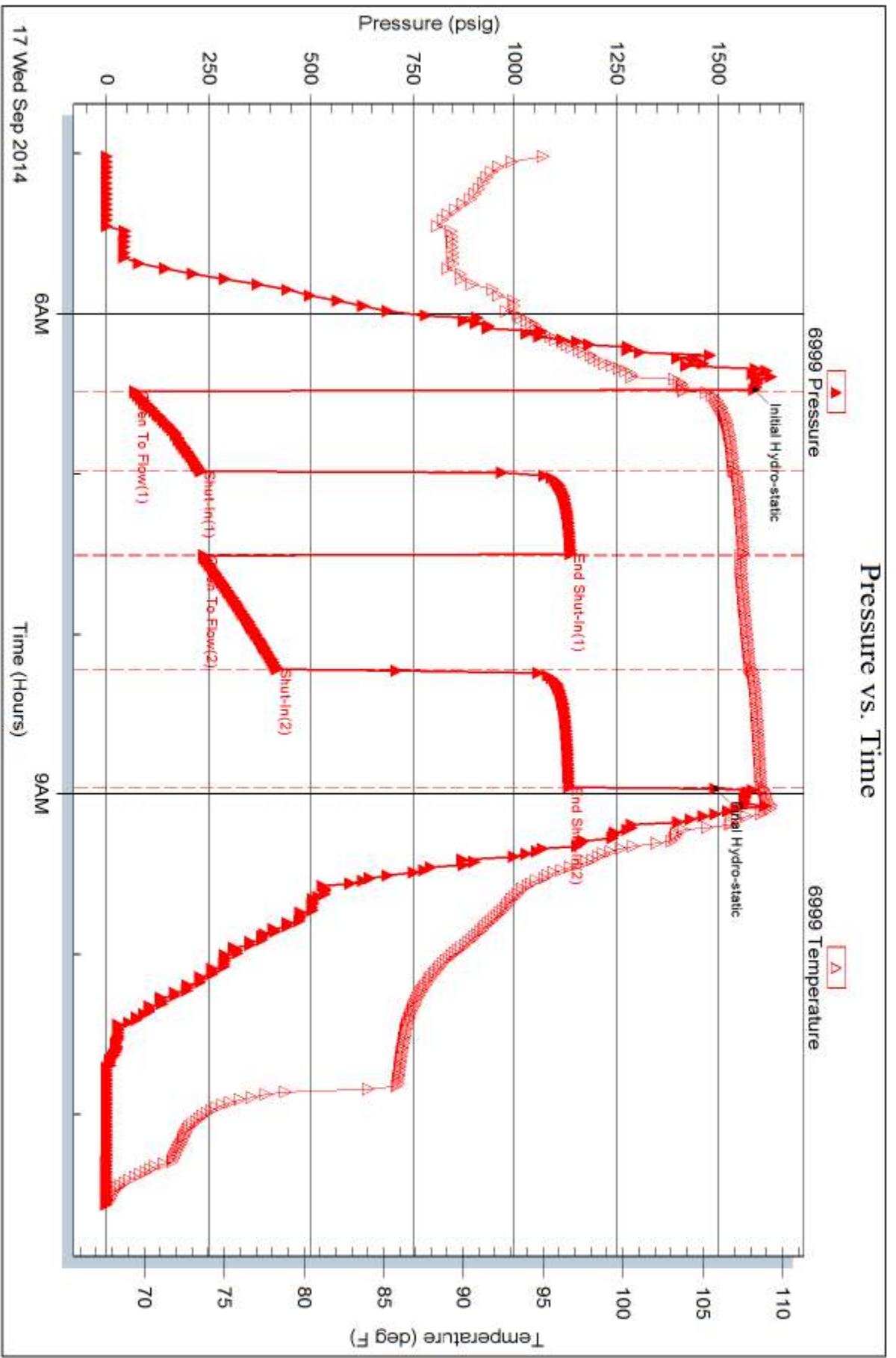
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil 39 corrected







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60321

Well Name & No. Hoelscher 2-10 Test No. 2 Date 9-17-14
 Company American Warrior Elevation 1792 KB 1800 GL
 Address 3118 Cummings RD Garden City Kansas 67846
 Co. Rep / Geo. Watt Urban Rig Dutrie Drilling Rig #8
 Location: Sec. 10 Twp. 16S Rge. 10W Co. Rice State KS

Interval Tested 3220 - 3294 Zone Tested Arbuckle
 Anchor Length 74 Drill Pipe Run 3222 Mud Wt. 9.2
 Top Packer Depth 3215 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3220 Wt. Pipe Run 20,000 WL 8.8
 Total Depth 3294 Chlorides 4300 ppm System LCM 1

Blow Description 1st open - strong blow built to the bottom of a 5 gallon bucket in 1st shut in 5 minutes No blow back.
2nd open - Strong blow built to bottom bucket in 7 minutes.
2nd shut in - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>693</u>	<u>Clean oil</u>	<u>100</u>			
<u>242</u>	<u>oil cut mud</u>	<u>85</u>		<u>15</u>	
<u>63</u>	<u>oil cut mud</u>	<u>76</u>		<u>24</u>	

Rec Total 1008 BHT - Gravity 39 API RW @ ° F Chlorides ppm
 (A) Initial Hydrostatic 1587 Test bottom hole 1150 T-On Location 4:30 pm
 (B) First Initial Flow 69 Jars Yes 250 T-Started 5:00 pm
 (C) First Final Flow 231 Safety Joint Yes 75 T-Open 6:27 p
 (D) Initial Shut-In 1136 Circ Sub - T-Pulled 8:57 pm
 (E) Second Initial Flow 237 Hourly Standby - T-Out -
 (F) Second Final Flow 416 Mileage 80 53rt 82.15 Comments _____
 (G) Final Shut-In 1132 Sampler - _____
 (H) Final Hydrostatic 1521 Straddle - Ruined Shale Packer -
 Shale Packer - Ruined Packer -
 Extra Packer - Extra Copies -

Initial Open 30 Extra Recorder - Sub Total .0
 Initial Shut-In 30 Day Standby - Total 1557.15
 Final Flow 45 Accessibility - MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1557.15

Approved By _____ Our Representative Dustin Ellis

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. 60320

Well Name & No. Hoelsther 2-10 Test No. 1 Date 9-17-11
 Company American Warrior Elevation 1792 KB 1800 GL
 Address PO Box 399 Garden city Kansas 67846 - 3118 Cummings RD
 Co. Rep / Geo. Wyatt Urban Rig Duke Drilling Rig #8
 Location: Sec. 10 Twp. 18s Rge. 10w Co. Rice State Ks

Interval Tested 3078 - 3164 Zone Tested Lansing H.I.J
 Anchor Length 86 Drill Pipe Run 3065 Mud Wt. 9.0
 Top Packer Depth 3073 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 3078 Wt. Pipe Run 20,000 WL 9.2
 Total Depth 3164 Chlorides 3500 ppm System LCM 3500-1

Blow Description 1st open - weak blow build to lunch into a 5 gallon bucket.
1st shut in - No blow back
2nd open - weak surf blow died off.
2nd shut in - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>			<u>100</u>	

Rec Total 10 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1555 Test bottom hole 1150 T-On Location 11:45pm
 (B) First Initial Flow 58 Jars Yes 250 T-Started 1:00am
 (C) First Final Flow 61 Safety Joint Yes 75 T-Open 2:32am
 (D) Initial Shut-In 623 Circ Sub none T-Pulled 5:02am
 (E) Second Initial Flow 61 Hourly Standby none T-Out 6:30am
 (F) Second Final Flow 64 Mileage 80 road miles 82.15 Comments _____
 (G) Final Shut-In 564 Sampler _____
 (H) Final Hydrostatic 1506 Straddle _____ Ruined Shale Packer none
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies none

Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1557.15
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1557.15

Approved By _____ Our Representative Dustin Ellis

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.



Mudgrove

PETROLEUM CORPORATION
Clafin, Kansas

NOTES

Company: American Warrior, Inc.

Lease: Hoelscher #2-10

Field: Wildcat

Location: NE-NW-SW-SE

Sec: 10 Twsp: 18S Rge: 10W

County: Rice State: Kansas

KB: 1800' GL: 1792'

API #: 15-195-22796-00-00

Contractor: Duke Drilling, Inc. (Rig #8)

Spud: 09/12/2014 Comp: 09/18/2014

RTD: 3400' LTD: 3399'




Mud Up: 2600' Type Mud: Chemical

Samples Saved From: 2700' to RTD
 Drilling Time Kept From: 2700' to RTD
 Samples Examined From: 2700' to RTD
 Geological Supervision from: 2700' to RTD
 Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@415'

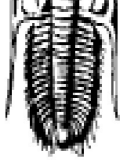
Electronic Surveys: Logged by Pioneer Energy Resources: MEL, DIL, CNL/CDL

American Warrior

DRILLING WELL					COMPARISON WELL				COMPARISON WELL				
American Warrior- Hoelscher 2-10					American Warrior-Hoelscher 1-10				Phil-Han- Shonyo #1				
 10-18S-10W oil 1800 KB					 SE NW NW SE 10-18S-10W oil 1787 KB				 dry hole 10-18S-10W 1790 KB				
Formation		Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner		2824	-1024	2824	-1024	2806	-1019	-5	-5				
Toronto		2839	-1039	2842	-1042	2819	-1032	-7	-10				
Douglas		2853	-1053	2854	-1054	2832	-1045	-8	-9				
Brown Lime		2942	-1142	2944	-1144	2927	-1140	-2	-4				
Lansing		2959	-1159	2962	-1162	2938	-1151	-8	-11	2946	-1159	0	-3
BKC		3228	-1428	3233	-1433	3218	-1431	3	-2				
Conglomerate		3264	-1464	3268	-1468	3246	-1459	-5	-9				
Arbuckle		3284	-1484	3281	-1481	3277	-1490	6	9	3280	-1493	9	12
RTD		3400	-1600	3400	-1600	3400	-1613	13	13				
LTD		3399	-1599	3399	-1599	3402	-1615	16	16				



DRILL STEM TEST REPORT



TESTING, INC

American Warrior
3118 Cummings Rd
Garden City Kansas 67846
ATTN: Wyatt Urban

10-18s-10w-Rice

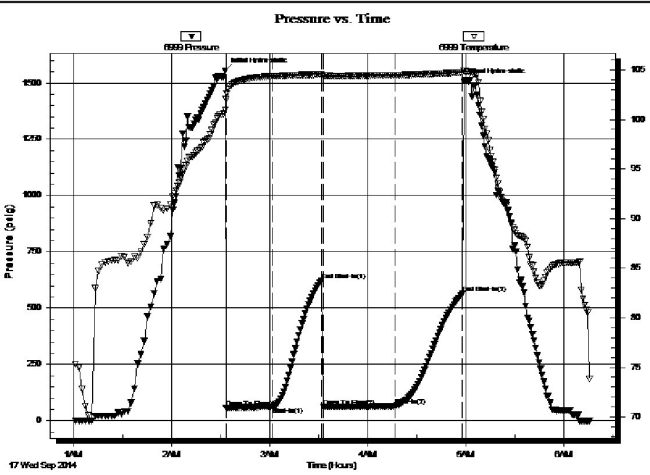
Hoelscher 2-10
Job Ticket: 60320 **DST#: 1**
Test Start: 2014.09.17 @ 01:00:00

GENERAL INFORMATION:

Formation: **Lansing H-I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:33:00
Time Test Ended: 06:16:00
Interval: **3078.00 ft (KB) To 3164.00 ft (KB) (TVD)**
Total Depth: 3164.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: S2-Great Bend-80
Reference Elevations: 1800.00 ft (KB)
1792.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6999 Outside
Press@RunDepth: 64.60 psig @ 3159.76 ft (KB) Capacity: 5000.00 psig
Start Date: 2014.09.17 End Date: 2014.09.17 Last Calib.: 2014.09.17
Start Time: 01:01:00 End Time: 06:16:00 Time On Btm: 2014.09.17 @ 02:32:30
Time Off Btm: 2014.09.17 @ 04:58:30

TEST COMMENT: 1st Open 30 minutes Weak blow built to 1 inch into a 5 gallon bucket of water.
1st Shut in 30 minutes No blow back.
2nd Open 45 minutes Weak surface blow died off.
2nd Shut in 45 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.12	100.97	Initial Hydro-static
1	58.13	102.02	Open To Flow (1)
29	61.29	104.35	Shut-In(1)
59	623.71	104.52	End Shut-In(1)
60	61.73	104.43	Open To Flow (2)
104	64.60	104.46	Shut-In(2)
145	564.76	104.72	End Shut-In(2)
146	1506.09	104.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.14

Gas Rates

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

Image Header 04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior
3118 Cummings Rd
Garden City Kansas 67846
ATTN: Wyatt Urban

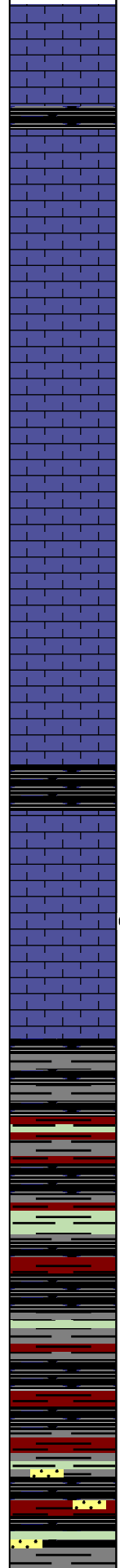
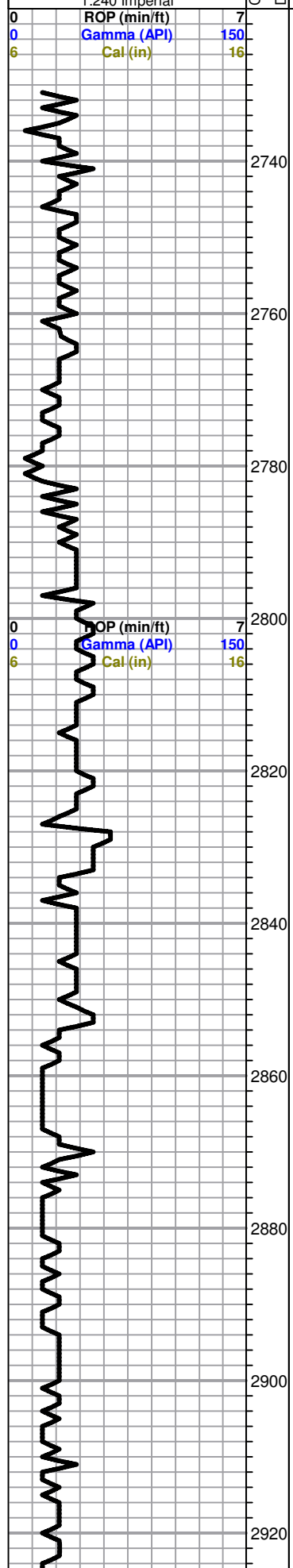
10-18s-10w-Rice
Hoelscher 2-10
Job Ticket: 60321 **DST#: 2**
Test Start: 2014.09.17 @ 05:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:32:30
Time Test Ended: 16:47:53
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: S2-Great Bend-80

Cored Interval
DST Interval

1:240 Imperial



Black carb Sh.

LS, cream, tan, chalky, foss, poor visible porosity, no shows

LS, cream, tan, buff, FXL, chalky, poor visible porosity, no shows

LS, tan, gry, FXL, few foss, poor visible porosity, chalky in parts, no shows

Heebner 2824.0 (-1024.0)

Black carb Sh.

LS, cream, tan, F-Med XLN, poor scattered porosity, chalky, NSFO, trc. brown stain

Douglas 2853.0 (-1053.0)

Sh. maroon, gry, greenish, mica, silty

Sh. maroon, gry, black, greenish, Trc. Sd. gry, F. grain, well sorted, no shows,

Sh. black, gry, maroon, silty, mica, trc. Sd. gry, F. grain, well sorted, no shows

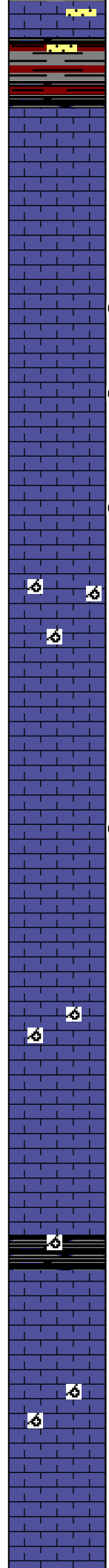
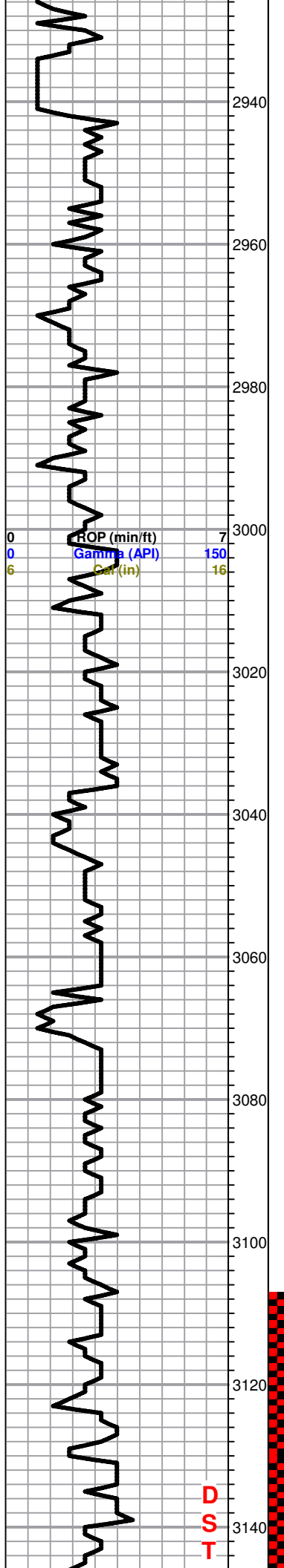
1:240 Imperial

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

2940
2960
2980
3000
3020
3040
3060
3080
3100
3120
3140

ROP (min/ft) 7
Gamma (API) 150
CGR (in) 16



LS, cream, tan, FXL, chalky, poor visible porosity, no shows

Sh. gry, maroon, silty, trc. sd. A/A

Brown Lime 2942.0 (-1142.0)

LS, brown, FXL, dense, poor visible porosity, cherty, no shows

Lansing 2959.0 (-1159.0)

LS, cream, tan, F-Med. XLN, few foss, poor scattered porosity, NSFO trc. black stain, no odor

LS, tan, brown, FXL, dense, poor scattered vuggy porosity, trc. SFO, Lt. black stain, no odor

LS, tan, FL, foss, poor scattered porosity, NSFO, Trc. Lt. brown stain, odor???

LS, cream, tan, FXL, ool, poor vuggy porosity, barren

LS, cream, tan, FXL, poor visible porosity, poor INXLN porosity,

LS, tan, ool, V. chalky, poor scattered porosity, poor INXLN porosity, Trc. SFO, no odor

LS, cream, tan, F-Med XLN, V. chalky in pts, poor visible porosity, no shows

LS, tan, oom, good oom vuggy porosity, NSFO, no odor

LS, tan, brown, FXL, dense, few foss, poor visible porosity, no shows

Black carb sh.

LS, cream, gry, F-Med. XLN, few ool, poor scattered oom porosity, no shows

LS, cream, gry, fxl, dense, cherty in parts, poor scattered porosity, no shows,

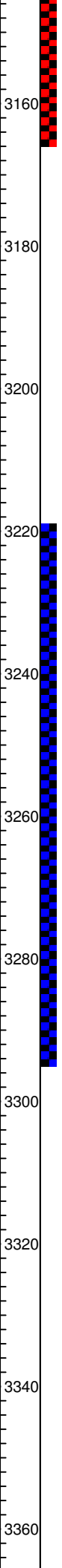
0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

DST #1 3109-3164
30-30-45-45

Blow: Built to 9"

**D
S
T**

1



3160

3180

3200

3220

3240

3260

3280

3300

3320

3340

3360

FOP (min/ft) 7
 Gamma (API) 150
 Gal (in) 16

D
S
T

2

LS, cream, tan, oom, fair oom vuggy porosity, chalky, trc. Lt. SFO, no odor,

LS, cream, tan, F-Med XLN, chalky, poor visible porosity, no shows, Trc. chert, opaque, white

Black carb Sh

LS, cream, tan, FXL, dense, few foss, poor scattered porosity, no shows

LS, tan, FXL, dense, poor visible porosity, no shows

BKC 3228.0 (-1428.0)

Sh. gry, maroon, black carb, waxey,

Sh. gry, maroon, greenish, waxey,

LS, cream tan, FXL, chalky, poor scattered porosity, no shows

Conglomerate 3268.0 (-1468.0)

Sh, maroon, soft, V.C. cherts

Arbuckle 3284.0 (-1484.0)

Dol. tan, buff, F-Med XLN, poor scattered porosity, poor to fair INXLN porosity, Lt. SFO, odor, lt. brown stain

Dol. tan, buff, FXL, poor to fair INXLN porosity, NSFO, Ft. odor, Lt black stain

Dol. white, tan, FXL dense, poor visible porosity, poor INXLN porosity, no shows

Dol. white, tan, FXL, dense, poor scattered porosity, no shows

Recovery:
10' Mud

Pressures:

ISIP 623 psi
 FSIP 564 psi
 IFP 58-61 psi
 FFP 61-64 psi
 HSH 1555-1506 psi

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

DST # 2 3220-3294

30-30-45-45

Blow: BOB 5 min.

Recovery

Rec. Total: 1008'

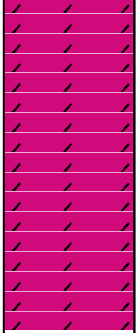
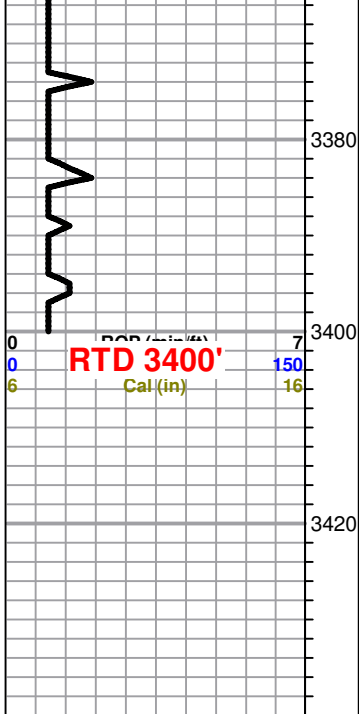
693' Clean Oil

242' OCM
(85%O, 15%M)

63' OCM
(76%O, 24%M)

Pressures:

ISIP 1136 psi
 FSIP 1132 psi
 IFP 69-231 psi
 FFP 237-416 psi
 HSH 1587-1581 psi



Dol. A/A

Dol. white, gry, FXL, dense, poor visible porosity, no shows, Trc. few Qtz. Lg. grains, heavily fractured, no shows

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

3380
3400
3420

ALLIED OIL & GAS SERVICES, LLC 063524

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE <u>9-13-14</u>	SEC. <u>10</u>	TWP. <u>18</u>	RANGE <u>10</u>	CALLED OUT <input checked="" type="checkbox"/>	ON LOCATION <u>6 PM</u>	JOB START <u>6 AM</u>	JOB FINISH <u>6:30 AM</u>
LEASE <u>Huelscher</u>		WELL # <u>2-10</u>	LOCATION <u>2 west Dushon - 2 south central</u>		COUNTY <u>Rock</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <input checked="" type="radio"/>			<u>1/2 E on old - Nigra</u>				

CONTRACTOR Diske 8
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 1/4 DEPTH 412.21
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15 ft
 PERFS. _____
 DISPLACEMENT 24.78 bbl H2O

OWNER _____
 CEMENT AMOUNT ORDERED 250 5X class A 3 1/2" @ 2 1/2" gel
 COMMON 250 @ 17.90 4,475.00
 POZMIX _____ @ _____
 GEL 470 @ 1.50 705.00
 CHLORIDE 705 @ 1.10 775.50
 ASC _____ @ _____
Materials Total 5,485.50
Disc 20% 1,097.10
 _____ @ _____
 _____ @ _____
 _____ @ _____
Service
 _____ @ _____
 HANDLING 270.33 @ 2.48 670.42
 MILEAGE 12.34 x 40 x 2.75 1,357.40

EQUIPMENT
 PUMP TRUCK CEMENTER Josh Wack
 # 366 HELPER Ben Nuck
 BULK TRUCK
 # 811-112 DRIVER Kevin Wiehaus
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

On location - rig up - had surface prep
 from 356 casing - back line
 Pump 5 1/2" H2O
 mix 250 5X class A 3 1/2" @ 2 1/2"
 Day pay
 Displace 24.78 bbl H2O
 Shut in
 Cement did concrete
 Rig down

CHARGE TO: Amesim Wood
 STREET _____
 CITY _____ STATE _____ ZIP _____

DEPTH OF JOB _____
 PUMP TRUCK CHARGE 1512.35
 EXTRA FOOTAGE _____ @ _____
 MILEAGE Hum 40 @ 7.70 308.00
 MANIFOLD _____ @ _____
Hum 40 @ 4.40 176.00

TOTAL 4,024.07
Disc 20% 804.81

PLUG & FLOAT EQUIPMENT

Rubber plug @ 131.00 131.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL 131.00
Disc 20% 26.20

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 H. STEPHENS
 SIGNATURE X Steve H. Stephens

SALES TAX (If Any) _____
 TOTAL CHARGES 9,640.57
20% 1,928.11 (20/20/20)
 DISCOUNT _____ IF PAID IN 30 DAYS
7,712.46



CHARGE TO: American Warrior
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 26590

PAGE 1 OF 2

SERVICE LOCATIONS: Ness City KS WELL/PROJECT NO. 2-10 LEASE Hoelscher COUNTY/PARISH Rice STATE KS CITY Bushton DATE 18 SEP 14 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR DUKE RIG NAME/NO. 8 SHIPPED VIA CT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement long string WELL PERMIT NO. WELL LOCATION 10-18-10
 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	70	mi			6.00	420.00	
578		1			Pump Charge	1	ea			1500.00	1500.00	
402		1			Centralizer	5 1/2	in	9	ea	70.00	630.00	
403		1			Cement Basket	5 1/2	in	2	ea	300.00	600.00	
406		1			Latch down plug & baffle	5 1/2	in	1	ea	275.00	275.00	
407		1			Insert float shoe w/ auto fill	5 1/2	in	1	ea	375.00	375.00	

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

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

X [Signature]
 DATE SIGNED TIME SIGNED
 A.M.
 P.M.
2195

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?				1	3800.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	5872.88
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	9672.88
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Rice TAX 7.15%	483.45
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10,156.33
<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

[Signature]

APPROVAL

Thank You!

10/10/01

10/10/01
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10/10/01



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

TICKET CONTINUATION

TICKET No. 26590

CUSTOMER American Warrior WELL Hoelscher 2-10 DATE 18 SEP 14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M			
325		1				STANDARD cement (for a-2)	175	sk			14.50	2537.50	
284		1				Calseal	800	lb	8	sk	35.00	280.00	
283		1				salt	900	lb			0.20	180.00	
292		1				halad-322	125	lb			8.00	1000.00	
276		1				Flocele	50	lb			2.50	125.00	
281		1				mix flush	500	gal			1.25	625.00	
271		1				KCL liquid	2	gal			25.00	50.00	
290		1				D-AIR	2	gal			42.00	84.00	
581		1				SERVICE CHARGE	175				2.00	350.00	
583		1				MILEAGE CHARGE	18325	TOTAL WEIGHT	70	LOADED MILES	641.38	1.00	641.38

CONTINUATION TOTAL 5872.88

JOB LOG

SWIFT Services, Inc.

DATE 10 SEP 14 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 2-10 LEASE Hoelscher JOB TYPE cement long string TICKET NO. 26598

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA-2 w/ 7# floccle TD = 3400'
								5 1/2" x 14# casing 83 joints - 3404'
								shoe jt 18' Basket #2, 6
								Centralizer 1, 3, 4, 5, 7, 8, 10, 12, 14
	1730							on loc TRK 112
	1820							start 5 1/2" x 14# casing in well
	1930							Drop ball - circulate
	2000	4 1/2	12				200	Pump 500 gal mud flush
		4 1/2	20				200	Pump 20' bbl KCH flush
			7					Plug RH - MH 30SK - 20SK
	2027	4 1/2	35				200	mix EA-2 cement @ 15.3 ppg
								Drop latch down plug wash out pump & line
	2045	6 1/2					300	Displace plug
		6 1/2	76				650	
	2100	6 1/2	83				1300	Land plug
	2105							Release pressure to truck - dried up
	2108							wash truck
								Back up
	2145							job complete
								Thank Blaine, Flint & Rob

