



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1089667

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	LEHMAN 1-22
Doc ID	1089667

Tops

Name	Top	Datum
Anhy	1649	+767
B/Anhy	1678	+738
Heebner	3829	-1413
Lansing	3874	-1458
B/KC	4256	-1840
Marmaton	4282	-1866
Ft.Scott	4410	-1994
Cherokee	4434	-2018
Mississippian	4516	-2100

# **Geological Report**

American Warrior Inc.  
**Lehman #1-22**  
2650' FNL & 1410' FEL  
Sec. 22 T21s R25w  
Hodgeman County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Lehman #1-22  
2650' FNL & 1410' FEL  
Sec. 22 T21s R25w  
Hodgeman County, Kansas  
API # 15-083-21681-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Jason Alm

Spud Date: November 2, 2010

Completion Date: November 9, 2010

Elevation: 2405' Ground Level  
2416' Kelly Bushing

Directions: Ness City KS, South on Hwy 283 to Ave X, West  
on Ave X for 7 mi to 210 rd. South 2 ½ mi. on 210  
rd. West into location.

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Casing: 223' 8 5/8" surface casing  
4599' 5 1/2" production casing

Samples: 10' wet and dry, 4100' to RTD

Drilling Time: 3700' to RTD

Electric Logs: Log-Tech, Inc. "Jared Long"  
CNL/CDL, DIL, MEL

Drillstem Tests: One, Trilobite Testing, Inc. "Shane McBride"

Problems: None

Remarks: None

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc. Lehman #1-22 Sec. 22 T21s R25w 2450' FNL &amp; 1410' FEL</b>
Anhydrite	<b>1649', +767</b>
Base	<b>1678', +738</b>
Heebner	<b>3829', -1413</b>
Lansing	<b>3874', -1458</b>
Stark	<b>4155', -1739</b>
BKc	<b>4256', -1840</b>
Marmaton	<b>4282', -1866</b>
Pawnee	<b>4363', -1947</b>
Fort Scott	<b>4410', -1994</b>
Cherokee	<b>4434', -2018</b>
Mississippian	<b>4516', -2100</b>
LTD	<b>4600', -2184</b>
RTD	<b>4600', -2184</b>

## Sample Zone Descriptions

**Mississippian (4516, -2100): Covered in DST #1**  
 Dolo – Fine to medium sucrosic crystalline with fair to good inter-crystalline and vugular porosity, light to fair oil stain and saturation in porosity, fair to good show of free oil, bright yellow fluorescents, good odor, 60 units hotwire.

**Drill Stem Tests**  
Trilobite Testing Inc.  
"Shane McBride"

**DST #1**

**Mississippian**

Interval (4455' - 4525') Anchor Length 70'

IHP	- 2238 #	
IFP	- 45" - Built to 3 ¼ in.	19-56 #
ISI	- 45" - Dead	1129 #
FFP	- 45" - Built to 3 ¼ in.	61-88 #
FSI	- 45" - Dead	1099 #
FHP	- 2143 #	
BHT	- 118°F	

Recovery:    126' GIP  
                  60' GCO  
                  120' SGOCM            30% Oil

**Structural Comparison**

	American Warrior, Inc. Lehman #1-22 Sec. 22 T21s R25w 2450' FNL & 1410' FEL	Petroleum, Inc. Clark O #2 Sec. 22 T21s R25w C NW SE	Kenosha Resources Clark #1 Sec. 22 T21s R25w 4620' FSL & 660' FEL	
<b>Formation</b>				
Anhydrite	1649', +767	NA	1616', +769	(-2)
Base	1678', +738	NA	NA	NA
Heebner	3829', -1413	3832', -1408	3803', -1418	(+5)
Lansing	3874', -1458	3878', -1454	3850', -1465	(+7)
Stark	4155', -1739	NA	NA	NA
BKc	4256', -1840	NA	4244', -1859	(+19)
Marmaton	4282', -1866	4294', -1870	4266', -1881	(+15)
Pawnee	4363', -1947	NA	NA	NA
Fort Scott	4410', -1994	NA	4393', -2008	(+14)
Cherokee	4434', -2018	NA	4420', -2035	(+17)
Mississippian	4516', -2100	4540', -2116	4497', -2112	(+12)

# ALLIED CEMENTING CO., LLC. 042159

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: L. 1601 1st

DATE <u>11/3/10</u>	SEC. <u>72</u>	TWP. <u>21S</u>	RANGE <u>25W</u>	CALLED OUT <u>2:00pm</u>	ON LOCATION <u>5:30pm</u>	JOB START	JOB FINISH
LEASE <u>Behmer</u>		WELL # <u>122</u>	LOCATION <u>Selmer, Mo 3w elw</u>	COUNTY <u>Holmes</u>	STATE <u>MO</u>		
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR A.P.S  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 223  
 CASING SIZE 8 3/4 DEPTH 223  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 500# MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15  
 PERFS.  
 DISPLACEMENT 12 2 1/2 Bush

OWNER  
 CEMENT  
 AMOUNT ORDERED 1505 A + 390A + 790 gel  
 COMMON 150 @ 15.45 2317.50  
 POZMIX @  
 GEL 3 @ 20.80 62.40  
 CHLORIDE 6 @ 50.20 301.20  
 ASC @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING 159 @ 2.40 381.60  
 MILEAGE 159/50/10 795.00

### EQUIPMENT

PUMP TRUCK CEMENTER MARV CO.  
 # 370 HELPER MARV CO.  
 BULK TRUCK  
 # DRIVER T.S.  
 BULK TRUCK  
 # DRIVER

### REMARKS:

Top on bottom L. 1601 1st  
1505 A + 390A + 790 gel  
App. A.P.S  
Shooting  
Cemented

### SERVICE

DEPTH OF JOB 223  
 PUMP TRUCK CHARGE 900.00  
 EXTRA FOOTAGE @  
 MILEAGE 50 @ 7.00 350.00  
 MANIFOLD @  
 @  
 @

TOTAL 1250.00

CHARGE TO: American University  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### PLUG & FLOAT EQUIPMENT

@ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

To Allied Cementing Co., 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.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \$5155.70  
 DISCOUNT \$1031.14 IF PAID IN 30 DAYS  
\$4124.56

PRINTED NAME KENNETH M. GURE

SIGNATURE Kenneth M. Gure





CHARGE TO: AMERICAN WARRIOR  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
19861

PAGE 1 OF 1

SERVICE LOCATIONS 1. NESS CITY, KS.	WELL/PROJECT NO.	LEASE LEHMAN 1-22	COUNTY/PARISH HODGEMAN	STATE KS.	CITY JETMORE, KS.	DATE 24/NOV/10	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR SOUTHWEST WELL SERV.	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO LOCATION	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE PERF SQUEEZE/PORT COLLAR	WELL PERMIT NO.	WELL LOCATION N TOX RD, 8W 2 1/2 S WE. TO		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE	30	MIL	5		150
578		1			PUMP CHARGE	1	JOB	1400	FT	1400
300		1			REGULAR ACID	250	GAL	15	%	350
235		1			INHIB-1	1	GAL	35		35
286		1			HALAD-1	30	lbs	6		180
290		1			D-AIR	2	GAL	35		70
276		1			FLOCELE	35	lbs	1		52
105		1			PORT COLLAR OPENING TOOL	1	JOB	300		300
330		1			SWIFT MULTI DENSITY STANDARD	140	SX	15		2100
325		1			STANDARD CEMENT	75	SX	12		900
581		1			SERVICE CHARGE CEMENT	250	SX	1		375
583		1			DRAPAGE	24434	lbs	366.51	TM	366

**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 Joe

DATE SIGNED: 24 NOV 10  
 TIME SIGNED: 1500  
 A.M.  
 P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	6279
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?				Hodgeman TAX 7.45	268.39
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	6547.40
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					





CHARGE TO: *American Warrior*

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET  
19167

PAGE 1 OF 2

SERVICE LOCATIONS

1. *Ness City KS* WELL/PROJECT NO. *1-22* LEASE *Lehman* COUNTY/PARISH *Hodgeman* STATE *KS* CITY *Ness City* DATE *9 Nov 10* OWNER

2. TICKET TYPE  SERVICE  SALES CONTRACTOR *DUE* RIG NAME/NO. *5* SHIPPED VIA *ET* DELIVERED TO *location* ORDER NO.

3. WELL TYPE *oil* WELL CATEGORY *Development* JOB PURPOSE *cement log string* WELL PERMIT NO. WELL LOCATION *20-215 25W HG*

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	30	mi			5.00	150.00	
578		1			Pump Charge	1	ea			1400.00	1400.00	
402		1			Centralizers	54	in	9	ea	55.00	495.00	
403		1			Cement Baskets	5	in	2	ea	200.00	400.00	
404		1			Port Collar	5	in	1	ea	1900.00	1900.00	
406		1			Latch down plug & baffles	5	in	1	ea	225.00	225.00	
407		1			Insert float shoe w/ auto fill	5	in	1	ea	275.00	275.00	
419		1			Rotating Head Rental	5	in	1	ea	150.00	150.00	

**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**

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: *2:15*  A.M.  P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4995.00
WE UNDERSTOOD AND MET YOUR NEEDS?				4582.38
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				9577.38
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL
<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: *AB Campbell* APPROVAL: \_\_\_\_\_

**Thank You!**



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
 p.o. box 399  
 Garden City, Ks  
 67846  
 ATTN: Jason Alm

**Lehman #1-22**  
**22-21s-25w Ness, Ks**  
 Job Ticket: 039693 **DST#: 1**  
 Test Start: 2010.11.08 @ 10:25:46

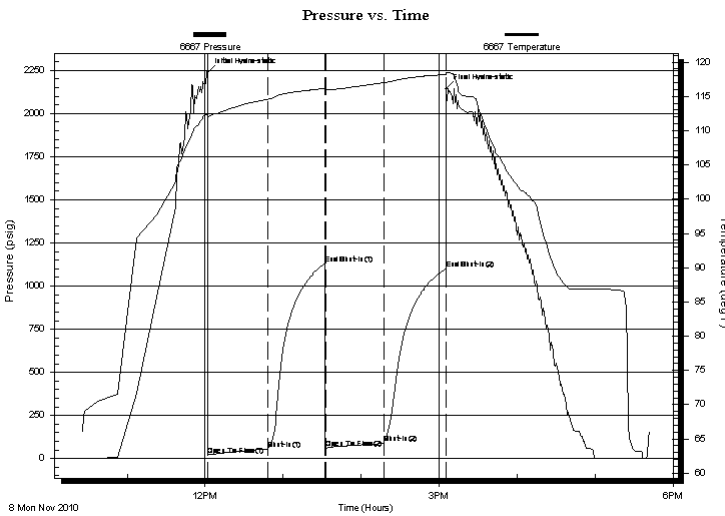
## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:02:16  
 Time Test Ended: 18:00:16  
 Interval: **4455.00 ft (KB) To 4525.00 ft (KB) (TVD)**  
 Total Depth: 4525.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 40  
 Reference Elevations: 2416.00 ft (KB)  
 2405.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 6667 Inside**  
 Press @ Run Depth: 88.45 psig @ 4456.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.11.08 End Date: 2010.11.08 Last Calib.: 2010.11.08  
 Start Time: 10:25:46 End Time: 17:42:16 Time On Btm: 2010.11.08 @ 12:02:01  
 Time Off Btm: 2010.11.08 @ 15:05:46

**TEST COMMENT:** 3 1/4" in blow  
 No return  
 3" in blow  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.92	112.47	Initial Hydro-static
1	19.84	111.97	Open To Flow (1)
46	55.84	114.57	Shut-In(1)
90	1129.69	116.13	End Shut-In(1)
91	61.87	115.87	Open To Flow (2)
136	88.45	116.98	Shut-In(2)
183	1099.32	118.19	End Shut-In(2)
184	2142.52	118.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	c g o 2%g 98%o	0.30
120.00	s g o c m 5%g 30%o 65%m	0.59
0.00	126' weak gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc

**Lehman #1-22**

p.o. box 399  
Garden City, Ks  
67846

**22-21s-25w Ness, Ks**

Job Ticket: 039693

**DST#: 1**

ATTN: Jason Alm

Test Start: 2010.11.08 @ 10:25:46

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	c g o 2%g 98%o	0.295
120.00	s g o c m 5%g 30%o 65%m	0.590
0.00	126' weak gas in pipe	0.000

Total Length: 180.00 ft

Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

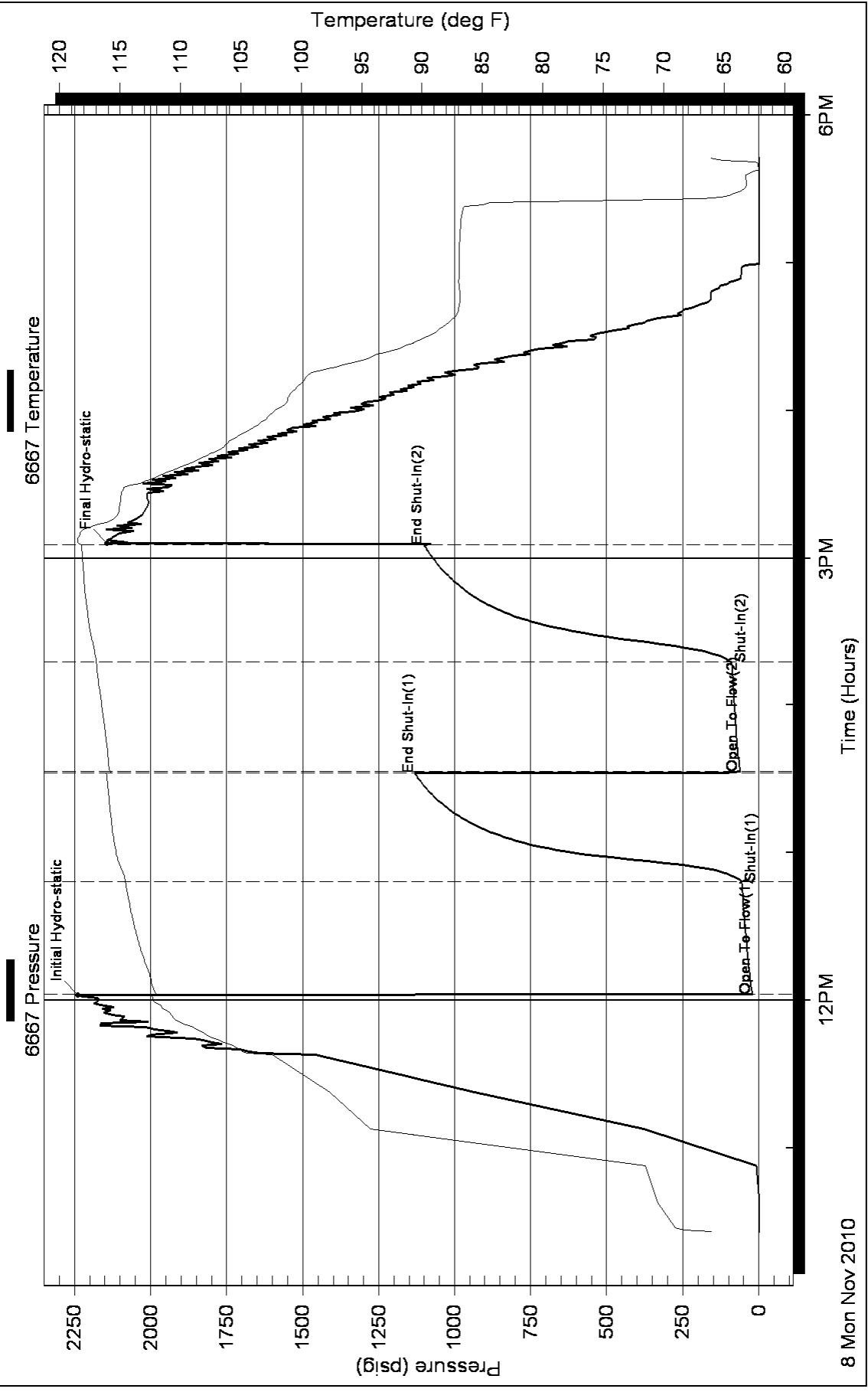
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time







CHARGE TO: American Water, DR

ADDRESS

CITY, STATE, ZIP CODE

TICKET  
19167

PAGE 1 OF 2

SERVICE LOCATIONS

1. NESS CITY KS WELL/PROJECT NO. 1-22 LEASE Lehman COUNTY/PARISH Hodgeeman STATE KS CITY NESS CITY DATE 9 NOV 10 OWNER

2. TICKET TYPE  SERVICE  SALES CONTRACTOR DUNE RIG NAME/NO. "5" SHIPPED VIA ET DELIVERED TO LOCATION ORDER NO.

3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement bag storage WELL PERMIT NO. WELL LOCATION 22-215 2SW HG

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 TRV 114	30	mi			5.00	150	00
578		1			Pump Charge	1	ea			1400.00	1400	00
402		1			Centralizers	5 1/2	in	9	ea	55.00	495	00
403		1			Cement Baskets	5 1/2	in	2	ea	200.00	400	00
404		1			Port Collar	5 1/2	in	1	ea	1900.00	1900	00
406		1			Latch down plug & buffer	5 1/2	in	1	ea	225.00	225	00
407		1			Inset float shoe w/ auto fill	5 1/2	in	1	ea	275.00	275	00
419		1			Rotating Head Rental	5 1/2	in	1	ea	150.00	150	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

DATE SIGNED

TIME SIGNED 2:15  A.M.  P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4995 00
WE UNDERSTOOD AND MET YOUR NEEDS?				4582 38
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				9577 38
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL
<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 AB Campbell APPROVAL

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE 9 NOV 10 PAGE NO. 1

CUSTOMER American Mart. Inc. WELL NO. 1-22 LEASE Lehman JOB TYPE comut long string TICKET NO. 19167

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sts EA 2 w/ balad 322
								TD 4600 110 sts 17" <del>53</del>
								ppc = 459# shoe joint 21
								Pool color = " 72, 1611' (450)
								Control valves 1, 3, 5, 7, 9, 11, 13, 72, 74
								Baskets 13, 72
	1100							on loc TRK 114
	1700							start 53 17" casing in well
	1855							Deep ball circulate Rotate
	2000	4 3/4	12				200	Pump 500 gal mud flush
	2005	4 3/4	20				200	Pump 20 bbl KCL black
	2008		12					Plug P11 - M11 (30 sts - 20 sts)
	2012	4 3/4	30				250	mix comut 125 sts EA.2 15.4 pps
								Wash out pump & lines
	2025							Deep latch down plug
	2026	6 3/4	0				250	Displace plug
	2045	6 3/4	106				<del>150</del> 1500	Plug down
	2050							Release pressure to truck - dried up
								Wash truck
	2120							job complete
								Thank Dave, Lane, Blaine





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

TICKET CONTINUATION

TICKET No. 19167

CUSTOMER American Warrior WELL Lehman 1-22 DATE 9 NOV 10 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	175	SKS			12 50	3100 00
284		1				calscal	8	SKS			30 00	240 00
283		1				Salt	900	lb			0 15	135 00
286 296		1				Halad-322	125	lb			7 00	875 00
276		1				Flocele	50	lb			1 50	75 00
281		1				MUDFLUSH	500	gal			1 00	500 00
221		1				KCL liquid	2	gal			25 00	50 00
290		1				D-AIR	2	gal			35 00	70 00
581		1				SERVICE CHARGE					1 50	262 50
583		1				MILEAGE CHARGE					1 00	274 88
						TOTAL WEIGHT	18325					
						LOADED MILES	30					
						CUBIC FEET	175					
						TON MILES	274.88					

CONTINUATION TOTAL 4582.38