



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1236454
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 |
|-----------------------------------|-----------------|---|

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: _____



1236454

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 <i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| 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: | | | | |

| 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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | American Warrior, Inc. |
| Well Name | GS 1-33 |
| Doc ID | 1236454 |

Tops

| Name | Top | Datum |
|------------------|------|-------|
| Anhydrite | 1352 | 768 |
| Heebner | 3580 | -1460 |
| Lansing | 3626 | -1506 |
| Base Kansas City | 3948 | -1828 |
| Pawnee | 4027 | -1907 |
| Ft. Scott | 4102 | -1982 |
| Cherokee | 4118 | -1998 |
| Mississippian | 4198 | -2084 |
| TD | 4222 | -2102 |



Services, Inc.

CHARGE TO:

ADDRESS: American Water Inc

CITY, STATE, ZIP CODE

TICKET 26500

PAGE 1 OF 2

| | | | | | | | |
|---|----------------------------------|------------------------------|-----------------------|--------------------------|-----------------|-----------------|---------------------------------|
| 1. SERVICE LOCATIONS NESS, GA, KS | WELL/PROJECT NO. 1-33 | LEASE GS | COUNTY/PARISH NESS | STATE KS | CITY | DATE 8-29-14 | OWNER SAME |
| 2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES | CONTRACTOR Discovery Dale # 3 | RIG NAME/NO. NESS | SHIPPED VIA CT | DELIVERED TO LOCATZON | WELL PERMIT NO. | ORDER NO. | WELL LOCATION E / BAZZIE, KS |
| 3. WELL TYPE Oil | WELL CATEGORY Developer | JOB PURPOSE 85/8" SURFACE | INVOICE INSTRUCTIONS | | | | |
| 4. REFERRAL LOCATION | | | | | | | |

| PRICE REFERENCE | SECONDARY PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | U/M | QTY. | U/M | UNIT PRICE | AMOUNT |
|-----------------|-----------------------|------------|------|----|-----------------------|------|-----|-------|-----|------------|---------|
| | | LOC | ACCT | DF | | | | | | | |
| 5785 | | | | | MILEAGE # 115 | 25 | MI | | | 6.00 | 150.00 |
| 576D | | | | | PUMP GUAGE | 1 | DOZ | 1358 | FT | 1500.00 | 1500.00 |
| 221 | | | | | heavy kel | 2 | gal | | | 25.00 | 50.00 |
| 281 | | | | | MUDFLUSH | 500 | gal | | | 1.25 | 625.00 |
| 409 | | | | | TURBOLEZZERS | 3 | EA | 85/8" | | 110.00 | 330.00 |
| 410 | | | | | TOP PLUG | 1 | EA | | | 140.00 | 140.00 |
| 412 | | | | | BATTLE PATE | 1 | EA | | | 125.00 | 125.00 |
| 1914 | | | | | PLUG CONTAINER RENTAL | 1 | NOB | | | 250.00 | 250.00 |

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

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

X

DATE SIGNED 8-29-14 TIME SIGNED 1700

Signature

REMIT PAYMENT TO:

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORIL Y?
 ARE YOU SATISFIED WITH OUR SERVICE?

YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL #1

3170.00

#2

9701.25

TAX

TOTAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

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

SWIFT OPERATOR

Wayne Watson

APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8-29-14 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR WELL NO. 1-33 LEASE GS JOB TYPE 8 5/8" SURFACE TICKET NO. 26694

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 1700 | | | | | | | ON LOCATION |
| | 1815 | | | | | | | START 8 5/8" CASING IN WELL |
| | | | | | | | | TD - 1360' SET = 1358 |
| | | | | | | | | TP - 1358' 8 5/8" - 23 |
| | | | | | | | | SJ - 42' |
| | | | | | | | | CONTRACTORS - 1, 7, 27 |
| | 2000 | | | | | | | BREAK CIRCULATION |
| | 2115 | 6 1/2 | 12 | | ✓ | | 400 | PUMP 500 GAL MUD FLUSH |
| | 2117 | 6 1/2 | 20 | | ✓ | | 400 | PUMP 20 BBL KCL FLUSH |
| | 2130 | 6 1/2 | 46 | | ✓ | | 350 | MIX CEMENT - 100 SKS = 11.8 PPG |
| | | 6 1/2 | 48 | | ✓ | | | 125 SKS = 12.5 PPG |
| | | 6 1/2 | 31 | | ✓ | | | 100 SKS = 13.5 PPG |
| | | 6 | 26 | | ✓ | | 150 | 100 SKS = 14.5 PPG |
| | 2158 | | | | | | | RELEASE PLUG |
| | 2200 | 7 | 0 | | ✓ | | 0 | DISPLACE PLUG |
| | | 7 | 80 | | | | 450 | |
| | 2212 | 6 | 84.2 | | | | 800 | PLUG DOWN - SHUT IN |
| | | | | | | | | CIRCULATED 20 SKS CEMENT TO PT |
| | | | | | | | | WASH TRUCK |
| | 2300 | | | | | | | JOB COMPLETE |
| | | | | | | | | THANK YOU |
| | | | | | | | | WAYNE, JASON, PRESTON |



Services, Inc.

CHARGE TO: American Express

TICKET 26425

ADDRESS: CITY, STATE, ZIP CODE

PAGE 1 OF 2

1. SERVICE LOCATIONS: **MMW, KS**

2. WELL/PROJECT NO.: **1-33** LEASE: **GS** COUNTY/PARISH: **Now** STATE: **KS** CITY: **Bazine** DATE: **6 SEP 14** OWNER: **6 SEP 14**

3. TICKET TYPE: SERVICE SALES CONTRACTOR: **DISC OVER** RIG NAME/NO.: **3** SHIPPED: **1** DELIVERED TO: **location** ORDER NO.:

4. REFERRAL LOCATION: **0-1** WELL TYPE: **Development** WELL CATEGORY: **Development** JOB PURPOSE: **central long string** WELL PERMIT NO.: **33-18-21** WELL LOCATION:

INVOICE INSTRUCTIONS

| PRICE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | UM | QTY. | UM | UNIT PRICE | AMOUNT |
|-------|-------------------------------------|------------|------|----|--------------------------------|----------|----|----------|----|------------|---------|
| | | LOC | ACCT | DF | | | | | | | |
| 575 | | | | | MILEAGE | 20 mi | | | | 6.00 | 120.00 |
| 578 | | | | | Pump Charges | 1 hr | | | | 1500.00 | 1500.00 |
| 402 | | | | | Central Lines | 5 1/2 in | | 5 1/2 in | | 70.00 | 350.00 |
| 403 | | | | | Central Basket | 5 1/2 in | | 1 1/4 in | | 300.00 | 300.00 |
| 414 | | | | | Label from plug & bottle | 5 1/2 in | | 1 1/4 in | | 275.00 | 275.00 |
| 407 | | | | | 1 well float sleeve of another | 5 1/2 in | | 1 1/4 in | | 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

DATE SIGNED: **1/20** TIME SIGNED: **4:20** A.M. P.M.

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

SURVEY

| | | | |
|--|------------------------------|-----------------------------|-----------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | AGREE | UN-DECIDED | DIS-AGREE |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | |
| ARE YOU SATISFIED WITH OUR SERVICE? | <input type="checkbox"/> YES | <input type="checkbox"/> NO | |

CUSTOMER DID NOT WISH TO RESPOND

TAX: **2920.00**
 TOTAL: **2920.00**

SWIFT OPERATOR: **RS Hill** APPROVAL: **RS Hill**

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

Thank You!



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

TICKET CONTINUATION

TICKET No. 26425

CUSTOMER: *Harold / Arvor* WELL: *65-1-33* DATE: *6 SEP 14* PAGE: *2* OF: *2*

| Item | Quantity | Description | Unit | Weight | Volume | Value |
|--------------|----------|-------------------------|---------|--------|--------|---------|
| 325 | 1 | STANDARD Cement (Ac-cu) | 175 sk | | | 14.50 |
| 284 | 1 | Calscal | 810 lb | 8' sk | | 35.00 |
| 283 | 1 | S&T | 920 lb | | | 0.50 |
| 292 | 1 | blnd - 322 | 125' lb | | | 8.50 |
| 276 | 1 | Fluoride | 50' lb | | | 2.50 |
| 281 | 1 | MIDFLUSH | 500 gal | | | 1.25 |
| 281 | 1 | KCL Liquid | 2901 | | | 25.00 |
| 290 | 1 | D.A.A | 2901 | | | 42.00 |
| 582 | 1 | Drayage (min) | | | | 20.00 |
| 581 | 1 | SERVICE CHARGE | | | | 2.00 |
| TOTAL WEIGHT | | | 18125 | | | |
| LOADED MILES | | | 175 | | | |
| CUBIC FEET | | | | 102 | | |
| TON MILES | | | | | | |
| | | | | | | 5581.50 |

JOB LOG

SWIFT Services, Inc.

DATE 6 SEP 14 PAGE NO.

CUSTOMER American Water WELL NO. 1-33 LEASE GS JOB TYPE cement long string TICKET NO. 264255

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | | | | | | | | 175 sk EA-2 cement w/ 1/4" floccle 5 1/2" 15.5# casing 105 jts total pipe 4225' TD = 4222 shoe jt 42.2' Bldat #5 Centraline 1, 2, 3, 4, 80 |
| | 1500 | | | | | | | on loc TRK 114 |
| | 1510 | | | | | | | start 5 1/2" 15.5# casing in well |
| | 1730 | | | | | | | Drop ball - circulate |
| | 1755 | 4 1/2 | 12 | | | | 200 | Pump 500gal mud flush |
| | | 4 1/2 | 20 | | | | 200 | Pump 20 bbl KCL flush |
| | | | 7 | | | | | Plug RH - MH 30sk - 20sk |
| | 1807 | 4 1/2 | 35 | | | | 200 | mix EA-2 cement 125sk @ 15.3 BPM |
| | | | | | | | | Drop latch drum plug wash out pump & lines |
| | 1819 | 6 | | | | | 200 | Displace plug |
| | | 6 | 95 | | | | 700 | |
| | 1830 | 6 | 100 | | | | 1500 | Land plug |
| | | | | | | | | Release pressure to truck - dried up |
| | 1840 | | | | | | | wash truck |
| | | | | | | | | Back up |
| | 1925 | | | | | | | job complete |
| | | | | | | | | Thanks Flint, Blair & crew |

Geological Report

American Warrior, Inc.

GS #1-33

740' FNL & 520' FWL

Sec. 33 T18s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
GS #1-33
740' FWL & 520' FWL
Sec. 33 T18s R21w
Ness County, Kansas
API # 15-135-25806-0000

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

Geologist: Jason T Alm

Spud Date: August 27, 2014

Completion Date: September 6, 2014

Elevation: 2112' Ground Level
2120' 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 1 ¼, North into
location.

Casing: 1358' 8 5/8" surface casing
4221' 5 1/2" production casing

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

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Jim Svaty"

Problems: Tool plugged immediately on open during DST #1

Remarks: DST #1 was inconclusive due to tool plugging

Formation Tops

| | |
|------------------|--|
| | American Warrior, Inc. GS #1-33 Sec. 33 T18s R21w 740' FWL & 520' FWL |
| Formation | |
| Anhydrite | 1352', +768 |
| Base | 1386', +734 |
| Heebner | 3580', -1460 |
| Lansing | 3626', -1506 |
| BKc | 3948', -1828 |
| Pawnee | 4027', -1907 |
| Fort Scott | 4102', -1982 |
| Cherokee | 4118', -1998 |
| Mississippian | 4198', -2078 |
| Osage | 4204', -2084 |
| RTD | 4222', -2102 |

Sample Zone Descriptions

- Fort Scott (4102', -1982): Not Tested**
 Ls – Fine to sub-crystalline with poor scattered inter-crystalline and vuggy porosity, light brown oil stain in porosity, no show of free oil, good yellow fluorescents, no odor, 20 units hotwire.
- Mississippian Osage (4204', -2084): Covered in DST #1**
 Dolo – Δ – Fine sucrosic crystalline with fair inter-crystalline and scattered vuggy porosity, very heavy triptolitic chert, weathered with fair to good vuggy porosity, good show of free oil, good odor, bright yellow fluorescents, 24 units hotwire.

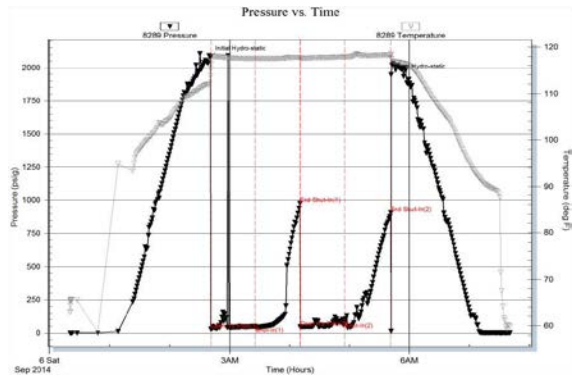
Drill Stem Tests

Trilobite Testing, Inc.
"Jim Svaty"

DST #1 Mississippian Osage

Interval (4206' – 4212') Anchor Length 6'

| | | |
|-----|--------------------------|---------|
| IHP | – 2315 # | |
| IFP | – 45" – Built to 3/4 in. | 29-48 # |
| ISI | – 45" – Dead | 975 # |
| FFP | – 45" – Dead | 44-82 # |
| FSI | – 45" – Dead | 907 # |
| FHP | – 1946 # | |
| BHT | – 119°F | |



Recovery: 5' OSM

Structural Comparison

| | American Warrior, Inc. GS #1-33 Sec. 33 T18s R21w 740' FWL & 520' FWL | Colorado O&G Corp. Miner #1 Sec. 33 T18s R21w C NW NW | | Oil Producers Inc. of KS Schniepp B #1 Sec. 33 T18s R21w 825' FNL & 330' FWL |
|------------------|--|--|-------------|---|
| Formation | | | | |
| Anhydrite | 1352', +768 | 1350', 769 | (-1) | NA |
| Base | 1386', +734 | NA | NA | NA |
| Heebner | 3580', -1460 | 3578', -1459 | (-1) | 3575', -1454 |
| Lansing | 3626', -1506 | 3626', -1507 | (+1) | 3622', -1501 |
| BKc | 3948', -1828 | 3948', -1829 | (+1) | NA |
| Pawnee | 4027', -1907 | 4027', -1908 | (+1) | 4026', -1905 |
| Fort Scott | 4102', -1982 | 4102', -1983 | (+1) | NA |
| Cherokee | 4118', -1998 | 4117', -1998 | FL | 4116', -1995 |
| Mississippian | 4198', -2078 | NA | NA | 4190', -2069 |
| Osage | 4204', -2084 | 4203', -2084 | FL | 4198', -2077 |

Summary

The location for the GS #1-33 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted; results were inconclusive due to the test tool plugging. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the GS #1-33 well.

Recommended Perforations

Primary:

Mississippian Osage

4204' – 4210'

DST #1

Before Abandonment:

Fort Scott

4106' – 4114'

Not Tested

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Jason T Alm

GS #1-33

33 18s 21w Ness,KS

Start Date: 2014.09.06 @ 00:21:00

End Date: 2014.09.06 @ 07:41:00

Job Ticket #: 56137 DST #: 1

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

Printed: 2014.09.08 @ 16:45:50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

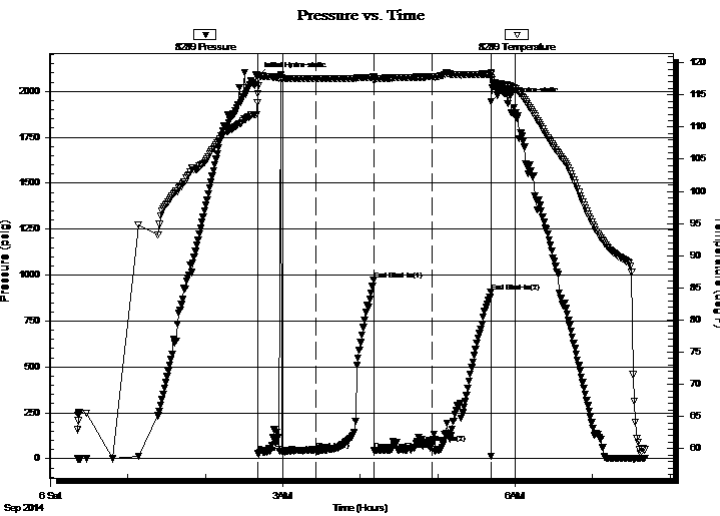
33 18s 21w Ness,KS
GS #1-33
Job Ticket: 56137 **DST#: 1**
Test Start: 2014.09.06 @ 00:21:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:40:45
Time Test Ended: 07:41:00
Interval: **4206.00 ft (KB) To 4212.00 ft (KB) (TVD)**
Total Depth: 4212.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 2120.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8289 Outside
Press@RunDepth: 81.68 psig @ 4207.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.09.06 End Date: 2014.09.06 Last Calib.: 2014.09.06
Start Time: 00:21:02 End Time: 07:41:00 Time On Btm: 2014.09.06 @ 02:40:15
Time Off Btm: 2014.09.06 @ 05:41:30

TEST COMMENT: 45-IFP- 3/4". Blow in 2 min. Died Back in 11 min. Flushed in 17 min. No Blow
45-ISIP- No Blow
45-FFP- No Blow
45-FSIP- No Blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2079.68 | 113.80 | Initial Hydro-static |
| 1 | 29.00 | 115.21 | Open To Flow (1) |
| 46 | 47.54 | 117.51 | Shut-In(1) |
| 90 | 974.80 | 117.76 | End Shut-In(1) |
| 91 | 44.62 | 117.18 | Open To Flow (2) |
| 136 | 81.68 | 117.84 | Shut-In(2) |
| 181 | 906.51 | 118.26 | End Shut-In(2) |
| 182 | 1945.65 | 118.50 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | OSM 100% | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

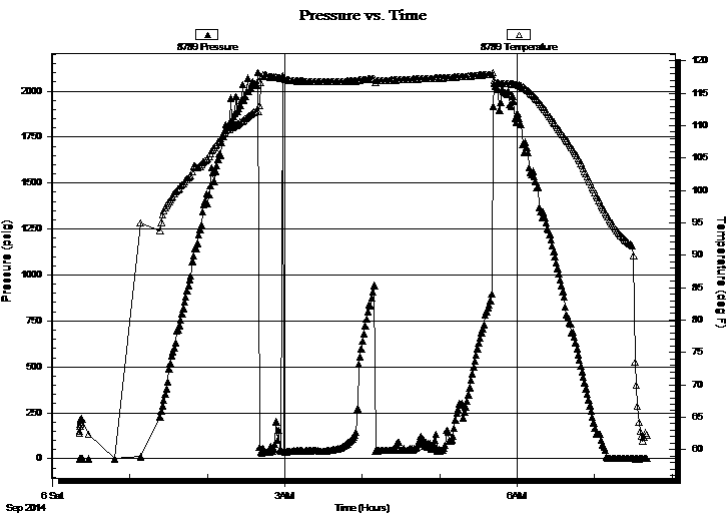
33 18s 21w Ness,KS
GS #1-33
 Job Ticket: 56137 **DST#: 1**
 Test Start: 2014.09.06 @ 00:21:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:40:45
 Time Test Ended: 07:41:00
Interval: 4206.00 ft (KB) To 4212.00 ft (KB) (TVD)
 Total Depth: 4212.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 2120.00 ft (KB)
 2112.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8789 Inside
 Press@RunDepth: psig @ 4207.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.06 End Date: 2014.09.06 Last Calib.: 2014.09.06
 Start Time: 00:21:02 End Time: 07:40:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45-IFP- 3/4". Blow in 2 min. Died Back in 11 min. Flushed in 17 min. No Blow
 45-ISIP- No Blow
 45-FFP- No Blow
 45-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | OSM 100% | 0.02 |
| | | |
| | | |
| | | |
| | | |

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 T Alm

33 18s 21w Ness,KS
GS #1-33
Job Ticket: 56137 **DST#: 1**
Test Start: 2014.09.06 @ 00:21:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 4153.00 ft | Diameter: 3.80 inches | Volume: 58.26 bbl | Tool Weight: | 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: | 25000.00 lb |
| Drill Collar: | Length: 31.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: | 75000.00 lb |
| | | | <u>Total Volume: 58.41 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial | 60000.00 lb |
| Depth to Top Packer: | 4206.00 ft | | | Final | 60000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 6.00 ft | | | | |
| Tool Length: | 34.00 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------|
| Change Over Sub | 1.00 | | | 4179.00 | |
| Shut In Tool | 5.00 | | | 4184.00 | |
| Hydraulic tool | 5.00 | | | 4189.00 | |
| Jars | 5.00 | | | 4194.00 | |
| Safety Joint | 2.00 | | | 4196.00 | |
| Packer | 5.00 | | | 4201.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4206.00 | |
| Stubb | 1.00 | | | 4207.00 | |
| Recorder | 0.00 | 8789 | Inside | 4207.00 | |
| Recorder | 0.00 | 8289 | Outside | 4207.00 | |
| Perforations | 2.00 | | | 4209.00 | |
| Bullnose | 3.00 | | | 4212.00 | 6.00 Bottom Packers & Anchor |

Total Tool Length: 34.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

33 18s 21w Ness,KS
GS #1-33
Job Ticket: 56137 **DST#: 1**
Test Start: 2014.09.06 @ 00:21:00

Mud and Cushion Information

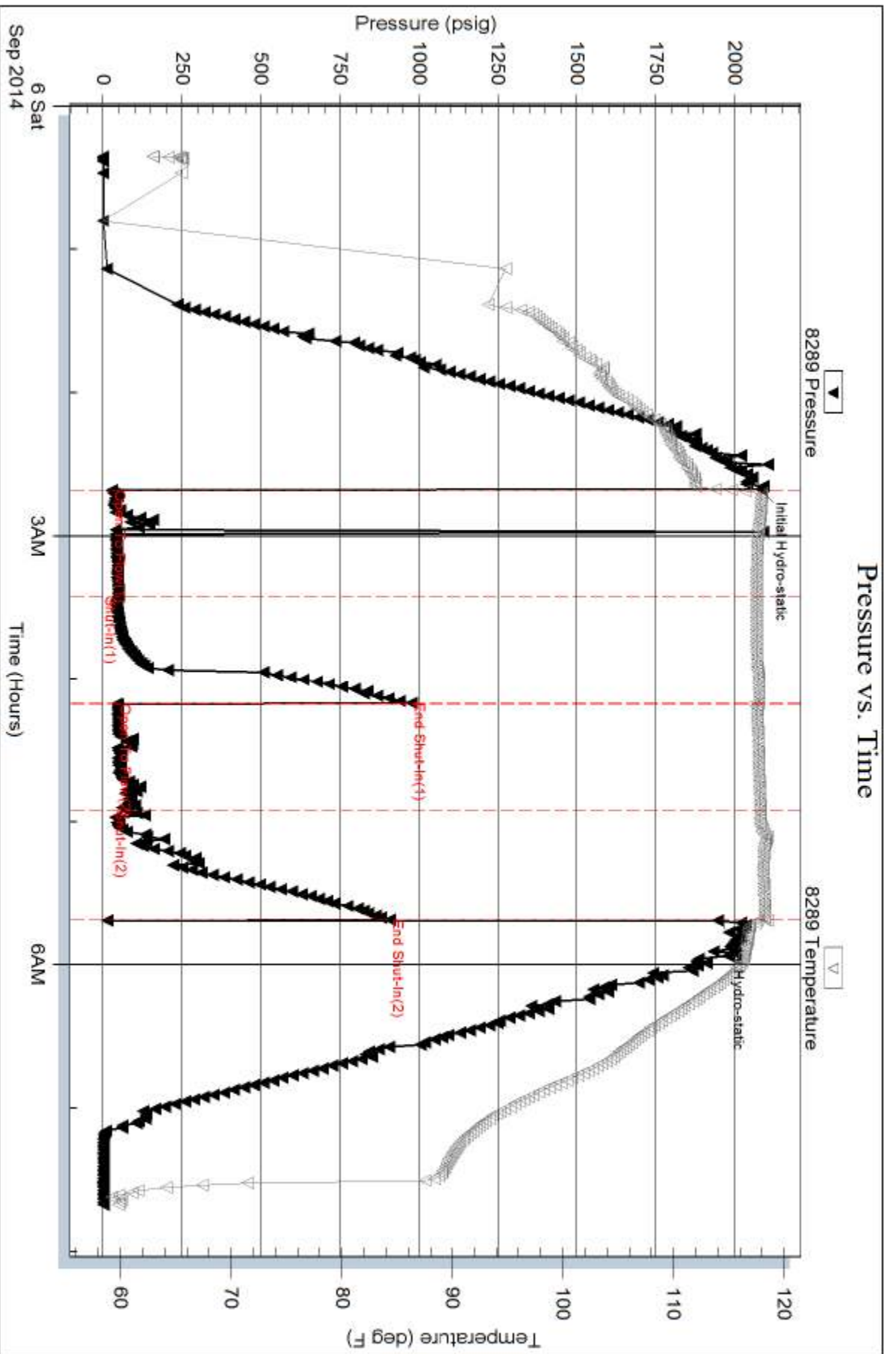
| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 52.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 6.79 in ³ | 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 |
|--------------|-------------|---------------|
| 5.00 | OSM 100% | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



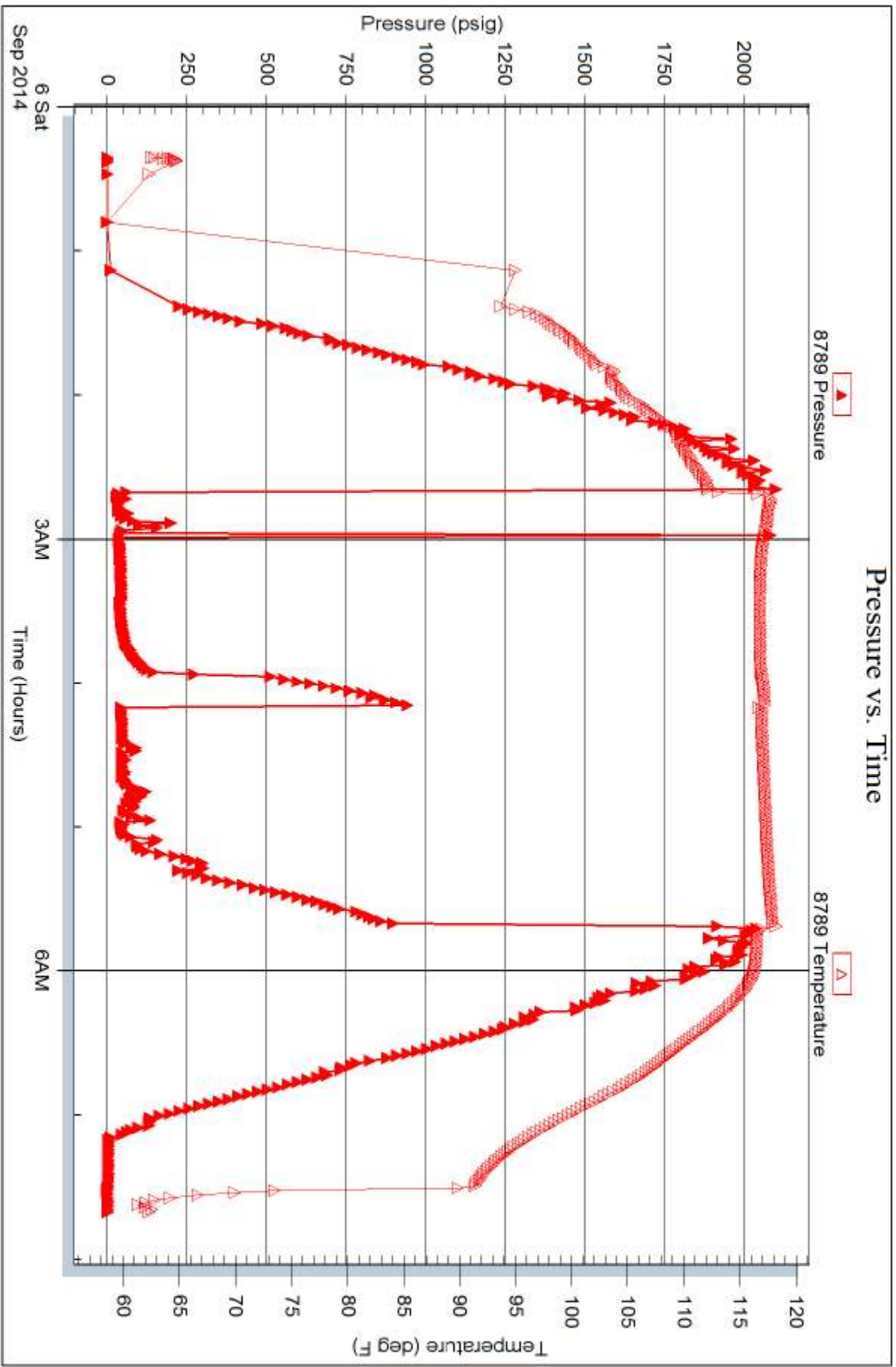
Serial #: 8789

Inside

American Warrior Inc

GS #1-33

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56137

Well Name & No. AS 1-33 Test No. 1 Date 9-5-14
 Company American Warrior Inc. Elevation 2120 KB 2112 GL
 Address 3118 Cummings Rd Box 399 Garden City KS 67846
 Co. Rep / Geo. JASON T. Alm Rig Discovery #3
 Location: Sec. 33 Twp. 18^s Rge. 21^w Co. Ness State KS

Interval Tested 4206-4212 Zone Tested Miss
 Anchor Length 6 Drill Pipe Run 4153 Mud Wt. 9.3
 Top Packer Depth 4201 Drill Collars Run 31 Vis 52
 Bottom Packer Depth 4206 Wt. Pipe Run 0 WL 6.8
 Total Depth 4212 Chlorides 4300 ppm System LCM 1

Blow Description IFP- 3/4 in Blowir 2min Died Back 11min Flushed 17min. No Blow
ISIP- No Blow
FFP- No Blow
FSIP- No Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|------|------|------------|------|
| <u>5</u> | <u>05m</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 | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2079</u> | <input checked="" type="checkbox"/> Test <u>1250</u> | T-On Location <u>21:01</u> |
| (B) First Initial Flow <u>29</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>00:21</u> |
| (C) First Final Flow <u>47</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>02:41</u> |
| (D) Initial Shut-In <u>974</u> | <input type="checkbox"/> Circ Sub _____ | T-Pulled <u>05:41</u> |
| (E) Second Initial Flow <u>44</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>07:41</u> |
| (F) Second Final Flow <u>81</u> | <input checked="" type="checkbox"/> Mileage <u>116 RT</u> 179.80 | Comments _____ |
| (G) Final Shut-In <u>906</u> | <input type="checkbox"/> Sampler _____ | |
| (H) Final Hydrostatic <u>1945</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Open <u>45</u> | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Initial Shut-In <u>45</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Extra Copies _____ |
| Final Flow <u>45</u> | <input type="checkbox"/> Extra Recorder _____ | Sub Total <u>0</u> |
| Final Shut-In <u>45</u> | <input type="checkbox"/> Day Standby _____ | Total <u>1754.80</u> |
| | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>1754.80</u> | |

Approved By _____

Our Representative

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.