

Kansas Corporation Commission Oil & Gas Conservation Division

1094697

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License # | API No. 15 |
|---|--|
| Name: | Spot Description: |
| Address 1: | SecTwpS. R |
| Address 2: | Feet from North / South Line of Section |
| City: State: Zip:+ | Feet from East / West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | □NE □NW □SE □SW |
| CONTRACTOR: License # | County: |
| Name: | Lease Name: Well #: |
| Wellsite Geologist: | Field Name: |
| Purchaser: | Producing Formation: |
| Designate Type of Completion: | Elevation: Ground: Kelly Bushing: |
| ☐ New Well ☐ Re-Entry ☐ Workover | Total Depth: Plug Back Total Depth: |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): | 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: sx cmt |
| If Workover/Re-entry: Old Well Info as follows: | |
| Operator: Well Name: | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) |
| Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW | Chloride content: ppm Fluid volume: bbls Dewatering method used: |
| Plug Back: Plug Back Total Depth | Location of fluid disposal if hauled offsite: |
| Commingled Permit #: | Operator Name: |
| Dual Completion Permit #: | Lease Name: License #: |
| SWD Permit #: | Quarter Sec TwpS. R |
| ☐ ENHR Permit #: ☐ GSW Permit #: | County: Permit #: |
| | |
| Spud Date or Date Reached TD Completion Date or Recompletion Date | |

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: |

Side Two



| Operator Name: | | | Lease Name | e: | | | _ Well #: | |
|--|--|--|-------------------------------|--|--------------------------|---|-------------------|---------------------|
| Sec Twp | S. R | East West | County: | | | | | |
| time tool open and clos | sed, flowing and shut s if gas to surface tes | I base of formations per in pressures, whether set, along with final chart well site report. | shut-in pressure | reached s | static level, | hydrostatic press | sures, bottom h | ole temperature, fl |
| Orill Stem Tests Taken (Attach Additional S | | Yes No | | Log | Formatio | n (Top), Depth an | d Datum | Sample |
| Samples Sent to Geolo | | ☐ Yes ☐ No | N | lame | | | Тор | Datum |
| Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy) | I Electronically | Yes No Yes No Yes No | | | | | | |
| List All E. Logs Run: | | | RECORD [| | Used | | | |
| | Size Hole | Report all strings set- Size Casing | -conductor, surface Weight | | ate, producti Setting | on, etc. Type of | # Sacks | Type and Percen |
| Purpose of String | Drilled | Set (In O.D.) | Lbs. / Ft. | | Depth | Cement | Used | Additives |
| | | ADDITIONA | L OFMENTING (| 00115575 | DECORD | | | |
| | | ADDITIONA | L CEMENTING / : | SQUEEZE | RECORD | | | |
| Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone | Depth Top Bottom | Type of Cement | # Sacks Used | d | | Type and F | Percent Additives | |
| | | | | | | | | |
| Shots Per Foot | | ON RECORD - Bridge Plu ootage of Each Interval Pe | | | | cture, Shot, Cement mount and Kind of Ma | • | d Depth |
| | | | | | | | | |
| TUBING RECORD: | Size: | Set At: | Packer At: | Line | r Run: | Yes No | | |
| Date of First, Resumed I | Production, SWD or ENI | HR. Producing Me | thod: | Gas Li | ift C | Other (Explain) | | |
| Estimated Production Per 24 Hours | Oil E | Bbls. Gas | Mcf | Water | В | bls. (| Gas-Oil Ratio | Gravity |
| DISPOSITIO | Used on Lease | Open Hole | METHOD OF COM Perf. D | MPLETION: ually Comp omit ACO-5) | . Cor | nmingled mit ACO-4) | PRODUCTIO | ON INTERVAL: |
| (If vented, Sub | mit ACO-18.) | Other (Specify) _ | | | | | | |

| Form | ACO1 - Well Completion |
|-----------|------------------------|
| Operator | American Warrior, Inc. |
| Well Name | V Strecker 5-6 |
| Doc ID | 1094697 |

Tops

| Name | Тор | Datum |
|------------------|------|-------|
| Anhydrite | 1380 | 754 |
| Heebner | 3615 | -1481 |
| Lansing | 3660 | -1526 |
| Base Kansas City | 3986 | -1852 |
| Panwee | 4067 | -1933 |
| Ft. Scott | 4149 | -2015 |
| Cherokee | 4172 | -2038 |
| Mississippian | 4228 | -2113 |
| TD | 4255 | -2121 |



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| | ATE OWNER | ø | BAZINE | | Streeter Countyparish | LEASE | WELLIPROJECT | EXAMPLE TOCALIONS |
| <u>_</u> ° | PAGE 1 | | | | | CITY, STATE, ZIP CODE | | Services, |
| 5 | TICKET 23040 | | | | American Washior | ADDRESS | | |
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SWIFT Services, Inc.

DATE 6 AFR 12 PAGE

| USTOMER | America | us Uhir | WELL NO. | 5-6 | LEASE V | diecka | r JOB TYPE connect long string TICKET NO. 23640 |
|--------------|---------|---------------|-----------------------|--------------|-------------------|---------|--|
| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS T C | PRESSUR TUBING | E (PSI) | DESCRIPTION OF OPERATION AND MATERIALS |
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| | 0645 | | | | | | on loc TRK 114 |
| | 0045 | | | | | | |
| | 0735 | | | | | | 516RT 32 155 CUSING in Well |
| | 0935 | | | | | | Drop bell - circulate - ROTATE |
| | 0111 | | | | | | |
| | 0452 | 43 | 12 | | | 200 | Pump 500gal midflush Pump 20 bbl KCL flush |
| | | 43/ | 20 | | | 200 | Punip 20 661 KCL flash |
| | 0455 | | 7 | | | | Plug RH 30315 |
| | | | | | | | |
| | 1000 | 434 | 35 | | | 200 | min 8A-2 Comment 1433 @ 15.3 pg |
| | 1008 | | | | | | Drop latch drym plug |
| | | | ļ | | | | |
| | 10/0 | | | | | | wash out Pump fline |
| | 1012 | 634 | | | | 200 | Displace plug |
| | | 634 | 90 | | | 800 | • |
| | 1030 | 63 | 100 | | | 1550 | Land plug |
| | | | | | : | | Release propose to truck - de ed up |
| : | | | | | | | |
| | 1035 | | | | | | wash truck |
| | | | | | <u> </u> | | Park 10 |
| | | | | | - | | Pack up |
| | 1/10 | | | | | | job complete |
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| | | | | | | | Doug Dave & BLAGA |
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PO Box 466.

TICKET CONTINUATION

23640

| | 185 | 582 | | | | | | | | 290 | 221 | 281 | 276 | 39d | 283 | 284 | 325 | Seculos | |
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| | | | | | | | | | | - | | | - | | | * | | Off: 785-798-2300 | PO Box 466 |
| TOTAL WEIGHT LOADED MILES | SERVICE CHARGE 175 | Drayer 2 (+) | | | | | | | | D $A \geq 2$ | RCL Digoid | midflush | fhale | halad -322 | Sact | | Standard Comment (for | CUSTOMER THER Can Wascock | |
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JOB LOG SWIFT Services, Inc. CUSTOMER A WOST OF LEASEU Stracker JOBTIPE BEDERESIDE PRESSURE (PSI) VOLUME (BBL) (GAL) 125sk SMD w/ ## flocele 88 tackside 1615 on loc TRK 114 pressure Se" casing to 500 ps; 500 1635 300 close in backside.
- on a slight vacuum-1715

| Hard Rock Consulting, Inc. Jason Alm Petroleum Geologist P.O. Box 1260 Havs KS 67601 | DATE GEPTH | MO SEE MANE TYPE DEPENDUT FREY MISHING | DRILL STEM TESTS No. Internal IFP/Time EIP/Time PFP/Time R61-FIAM REDUCER FERP/Time R61-FIAM R61-FIAM REDUCER FERP/Time R61-FIAM | 202-h2-h weitz | 1.6c.k 3.3755- 3.800 | | | | 1. St. 1. St. 4 |
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| DRILLING TIME AND SAMPLE LOG | | | | | Stapes | | | | 中国 |
| V. Strecker WELL NO. 5-6 KB 2134' | N. | | | 44 + | | | S. S | | The contract of the contract o |
| eWald North 480' FNL \$ 810' FWL Measurements | | | | Chori | | | Subaly Jed, 3 | SN ₀ | 25. 54-1. 25. 54 |
| TWP. 19s RGE 21w Measurements From Kelly 6 | ushing | | | Ol.Lime | | | Echal. Subal. | khi, Olu | L. A. |
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| 1380'+754 -4 1413'+721 T195 | RZIW | | The location for the V. Strecker #5.6 was | Som de la comparte de | | | A A MAN AM MAN AMAN A MANNA A | my warmy / | Mush Mrs Mrs . It |
| 3615'-1481 - 11 3660'-1526 - 9 3986'-1857 | | | as expected via the survey. One drill stem test was conducted | | | WIN INVIVIA WIND | | | W WAY W V V V V V V V V V V V V V V V V V V |
| 4067'-1933 - 11 4149'-2015 - 13 4172'-2038 - 16 | | | Mississippion Osage Formation. After all gathered deta had | | JUMP JUNITED TO THE STATE OF TH | | | | |
| 4278-2094 - 10 | | | production casing to further evaluate the U. Strecker #5.6 | | | | | | |
| 4255'-2121 | | | Respectfully Submitteel, | | | | | 2 & 2 2 2 8 4 Q | |
| #1-6 990' FNL: 330' FWL Sec. 6 T19: | RZh | | Japon T Sh. 4-27-2012 | | | | | 7 | HHHHH IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII |
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Geological Report

American Warrior, Inc.

V. Strecker #5-6
480' FNL & 810' FWL
Sec. 6 T19s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

| Well Data: | American Warrior, Inc. V. Strecker #5-6 480' FNL & 810' FWL Sec. 6 T19s R21w Ness County, Kansas API # 15-135-25325-0000 |
|----------------------|--|
| Drilling Contractor: | Petromark Drilling, LLC Rig #1 |
| Geologist: | Jason T Alm |
| Spud Date: | April, 2012 |
| Completion Date: | April, 2012 |
| Elevation: | 2128' Ground Level 2134' Kelly Bushing |
| Directions: | Bazine KS, From West side of town at the intersection of Hwy 96 and Austin St. South on Austin St. 1 ¼ mi. East into location. |
| Casing: | 1392' 8 5/8" surface casing 4254' 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: | None |

None

Remarks:

Formation Tops

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|------------------|------------------------|
| | American Warrior, Inc. |
| | V. Strecker #5-6 |
| | Sec. 6 T19s R21w |
| Formation | 480' FNL & 810' FWL |
| Anhydrite | 1380', +754 |
| Base | 1413', +721 |
| Heebner | 3615', -1481 |
| Lansing | 3660', -1526 |
| BKc | 3986', -1852 |
| Pawnee | 4067', -1933 |
| Fort Scott | 4149', -2015 |
| Cherokee | 4172', -2038 |
| Mississippian | 4228', -2094 |
| Osage | 4247', -2113 |
| RTD | 4254', -2121 |

Sample Zone Descriptions

Miss. Warsaw

(4228', -2094): Not Tested

Dolo – Fine crystalline with poor vuggy porosity, light to fair scattered oil stain in porosity, no show of free oil, light odor, dull yellow fluorescents, 14 units hotwire.

Miss. Osage

(4247', -2113): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, heavy triptolitic chert, very weathered with very good vuggy porosity, fair to good oil stain in porosity, good show of free oil, strong odor, bright yellow fluorescents, 80 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Jim Svaty"

DST #1 Mississippian Osage

Interval (4242' – 4252') Anchor Length 10'

IHP − 2172 #

IFP - 45" - Built to 7 in. 18-48 #
ISI - 45" - Dead 1187 #
FFP - 45" - B.O.B. 43 min. 52-72 #
FSI - 45" - W.S.B. 1208 #

FHP - 2117 # BHT - 117°F

Recovery: 200' GIP

60' CGO Gravity 41° API

60' GMCO 80% Oil 60' GOCM 5% Oil

Structural Comparison

| | American Warrior, Inc. V. Strecker #5-6 Sec. 6 T19s R21w | American Warrior, Inc. V. Strecker #1-6 Sec. 6 T19s R21w | | American Warrior, Inc. V. Strecker #2-31 Sec. 31 T18s R21w | |
|---------------|--|--|--------------|--|--------------|
| Formation | 480' FNL & 810' FWL | 990' FNL & 330' FEL | | 100' FSL & 460' FWL | |
| Anhydrite | 1380', +754 | 1378', +758 | (-4) | 1382', +752 | (+2) |
| Base | 1413', +721 | NA | NA | NA | NA |
| Heebner | 3615', -1481 | 3606', -1470 | (-11) | 3610', -1476 | (-5) |
| Lansing | 3660', -1526 | 3653', -1517 | (-9) | 3654', -1520 | (-6) |
| BKc | 3986', -1852 | NA | NA | NA | NA |
| Pawnee | 4067', -1933 | 4058', -1922 | (-11) | 4158', -1924 | (-9) |
| Fort Scott | 4149', -2015 | 4138', -2002 | (-13) | 4140', -2006 | (-9) |
| Cherokee | 4172', -2038 | 4158', -2022 | (-16) | 4160', -2026 | (-12) |
| Mississippian | 4228', -2094 | 4220', -2084 | (-10) | 4244', -2110 | (+6) |
| Osage | 4247', -2113 | 4220', -2084 | (-29) | 4244', -2110 | (-3) |

Summary

The location for the V. Strecker #5-6 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5½ inch production casing to further evaluate the V. Strecker #5-6 well.

Recommended Perforations

Primary:

Mississippian Osage (4247' – 4252') **DST #1**

Before Abandonment:

Mississippian Warsaw (4228' – 4245') Not Tested

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.

Mississippi



DRILL STEM TEST REPORT

Prepared For: American Warrior Inc

PO Box 399

Garden City KS 67846

ATTN: Jason Alm

V Strecker #5-6

6-19s-21w Ness,KS

Start Date: 2012.04.25 @ 14:45:00 End Date: 2012.04.25 @ 22:30:00 Job Ticket #: 45713 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



American Warrior Inc

6-19s-21w Ness, KS

PO Box 399

V Strecker #5-6 Job Ticket: 45713

DST#: 1

Garden City KS 67846

ATTN: Jason Alm

Test Start: 2012.04.25 @ 14:45:00

GENERAL INFORMATION:

Formation: Mississippi

Deviated: Whipstock: No 2134.00 ft (KB)

Time Tool Opened: 17:16:30 Time Test Ended: 22:30:00

Test Type: Conventional Bottom Hole (Initial) Tester:

Jim Svaty & Paul

Unit No:

4242.00 ft (KB) To 4252.00 ft (KB) (TVD)

Reference Elevations:

2134.00 ft (KB) 2128.00 ft (CF)

Total Depth: 4252.00 ft (KB) (TVD)

KB to GR/CF: 6.00 ft

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 8734 Press@RunDepth:

Interval:

Outside

4243.00 ft (KB) 71.77 psig @

Capacity:

8000.00 psig

Start Date: 2012.04.25 End Date: End Time:

Last Calib.: Time On Btm:

2012.04.25 2012.04.25 @ 17:16:00

Start Time:

14:45:01

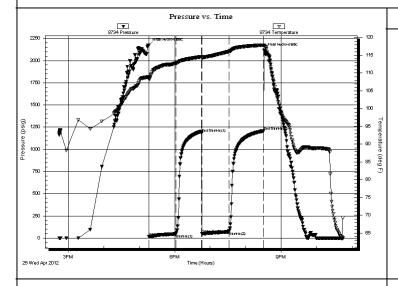
2012.04.25 22:44:30

2012.04.25 @ 20:31:00 Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow Building to 7 in

45-ISIP- No Blow 45-FFP- BOB in 43 min

60-FSIP- Surface Blow Died in 5 min



PRESSURE SUMMARY

| Time | Pressure | Temp | Annotation |
|--------|----------|---------|----------------------|
| (Min.) | (psig) | (deg F) | |
| 0 | 2171.90 | 108.86 | Initial Hydro-static |
| 1 | 18.29 | 108.42 | Open To Flow (1) |
| 46 | 47.77 | 112.76 | Shut-In(1) |
| 90 | 1186.69 | 114.57 | End Shut-In(1) |
| 90 | 52.71 | 114.25 | Open To Flow (2) |
| 136 | 71.77 | 116.05 | Shut-In(2) |
| 194 | 1208.25 | 117.84 | End Shut-In(2) |
| 195 | 2116.50 | 117.80 | Final Hydro-static |
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 60.00 | GOCM 5%g 5%o 90%m | 0.30 |
| 60.00 | GMCO 10%g 10%m 80%o | 0.84 |
| 60.00 | GCO 10%g 90%o | 0.84 |
| 0.00 | 200' GIP | 0.00 |
| | | |
| | | |

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 45713 Printed: 2012.04.27 @ 14:34:13



American Warrior Inc

6-19s-21w Ness, KS

PO Box 399

V Strecker #5-6

Tester:

Unit No:

Garden City KS 67846

Job Ticket: 45713 DST#: 1

ATTN: Jason Alm Test Start: 2012.04.25 @ 14:45:00

GENERAL INFORMATION:

Formation: Mississippi

Whipstock: Deviated: Test Type: Conventional Bottom Hole (Initial) No 2134.00 ft (KB)

Time Tool Opened: 17:16:30 Time Test Ended: 22:30:00

Interval: 4242.00 ft (KB) To 4252.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4252.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF:

6.00 ft

2134.00 ft (KB)

2128.00 ft (CF)

Jim Svaty & Paul

Serial #: 6669 Inside

Press@RunDepth: 4243.00 ft (KB) 8000.00 psig psig @ Capacity:

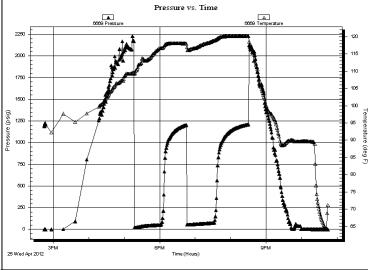
Start Date: 2012.04.25 End Date: 2012.04.25 Last Calib.: 2012.04.25

Start Time: 14:45:01 End Time: Time On Btm: 22:44:30 Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow Building to 7 in

45-ISIP- No Blow 45-FFP- BOB in 43 min

60-FSIP- Surface Blow Died in 5 min



| P | RESSUR | RE SUMMARY |
|-------|--------|------------|
| SULFO | Tomo | Appotation |

| | Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---------------------|----------------|--------------------|-----------------|------------|
| | | - | | |
| | | | | |
| Tomnor | | | | |
| Temperature (den F) | | | | |
| 9 | | | | |
| | | | | |
| | | | | |
| | | | | |

Recovery

| Length (ft) | Length (ft) Description | |
|-------------|-------------------------|------|
| 60.00 | GOCM 5%g 5%o 90%m | 0.30 |
| 60.00 | GMCO 10%g 10%m 80%o | 0.84 |
| 60.00 | GCO 10%g 90%o | 0.84 |
| 0.00 | 200' GIP | 0.00 |
| | | |
| | | |

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 45713 Printed: 2012.04.27 @ 14:34:13



TOOL DIAGRAM

American Warrior Inc

6-19s-21w Ness, KS

PO Box 399

V Strecker #5-6

Garden City KS 67846

Job Ticket: 45713 DST#: 1

ATTN: Jason Alm

Test Start: 2012.04.25 @ 14:45:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar: Length:

Length: 4174.00 ft Diameter: 0.00 ft Diameter: 59.00 ft Diameter: 3.80 inches Volume: 58.55 bbl 0.00 bbl 2.75 inches Volume: 2.25 inches Volume: 0.29 bbl Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 62000.00 lb

Drill Pipe Above KB: 18.00 ft Depth to Top Packer: 4242.00 ft Total Volume: 58.84 bbl Tool Chased 0.00 ft String Weight: Initial 55000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 10.00 ft Final 56000.00 lb

Tool Length: 37.00 ft

Number of Packers:

2 Diameter: 6.75 inches

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|------------------|-------------|------------|----------|------------|----------------|-------------------------|
| Shut In Tool | 5.00 | | | 4220.00 | | |
| Hydraulic tool | 5.00 | | | 4225.00 | | |
| Jars | 5.00 | | | 4230.00 | | |
| Safety Joint | 2.00 | | | 4232.00 | | |
| Packer | 5.00 | | | 4237.00 | 27.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 4242.00 | | |
| Stubb | 1.00 | | | 4243.00 | | |
| Recorder | 0.00 | 6669 | Inside | 4243.00 | | |
| Recorder | 0.00 | 8734 | Outside | 4243.00 | | |
| Perforations | 6.00 | | | 4249.00 | | |
| Bullnose | 3.00 | | | 4252.00 | 10.00 | Bottom Packers & Anchor |

Total Tool Length: 37.00

Ref. No: 45713 Printed: 2012.04.27 @ 14:34:14 Trilobite Testing, Inc



FLUID SUMMARY

ppm

DST#: 1

American Warrior Inc

6-19s-21w Ness, KS

PO Box 399

V Strecker #5-6

Garden City KS 67846

Job Ticket: 45713

Test Start: 2012.04.25 @ 14:45:00 ATTN: Jason Alm

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Water Salinity:

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 64.00 sec/qt Cushion Volume: bbl

Water Loss: 8.74 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: 5200.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 60.00 | GOCM 5%g 5%o 90%m | 0.304 |
| 60.00 | GMCO 10%g 10%m 80%o | 0.842 |
| 60.00 | GCO 10%g 90%o | 0.842 |
| 0.00 | 200' GIP | 0.000 |

Total Length: 180.00 ft Total Volume: 1.988 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Ref. No: 45713 Printed: 2012.04.27 @ 14:34:14 Trilobite Testing, Inc

Trilobite Testing, Inc

Ref. No:

9

70

75

80

85

90

Temperature (deg F)

95

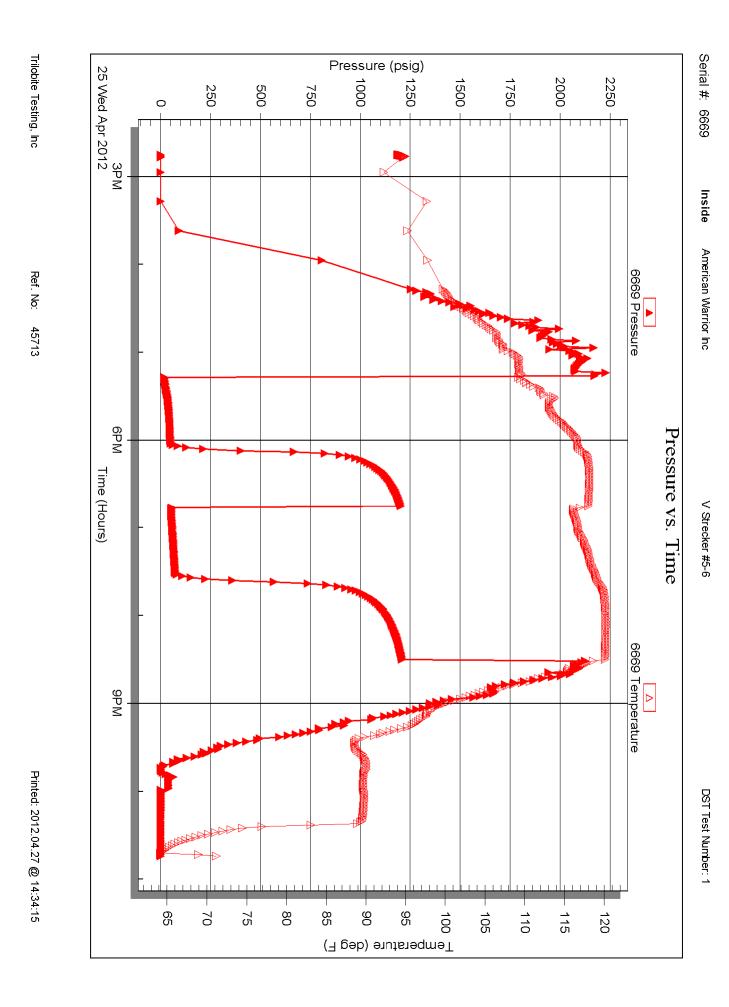
100

110

105

15

120





|RILOBITE |ESTING INC.



Test Ticket

No. 45713

P.O. Box 1733 • Hays, Kansas 67601/:

| | | | .1 1 |
|---------------------------------------|-----------------|---------------|--------------------|
| Well Name & No. V Shocker 5-6 | Test No. | | ate 425/12 |
| company Horeson Warren | Elevation | 2134 | кв <u>2128′</u> gl |
| Address 31/8 Cummings Rd DArd | len City KS, Br | 7846 | |
| Co. Rep/Geo. Sasa 17/11 | Rig_N | son or to | ₩) |
| Location: Sec. 6 Twp. 195 Rge. | 21' Ng. 1) | ess | State KS |
| Interval Tested 4242 -4252 Zone | Tested ///SS | | |
| Anchor Length O Drill | Pipe Run _ 4174 | Muc | ıwı. <u>9,4</u> |
| Top Packer Depth 423 | Collars Run 59 | Vis | 64 |
| Bottom Packer Depth 42.42, Wi. I | Pipe Run | WI. | 8,8 |
| Total Depth 4252 Chlo | rides 5200 p | pm System LCM | n |
| Blow Description _ IFP - SurFACE Bla. | , Building to | 711 | |
| ISTP- No Blow | Ø | | |
| FFP- BOBin 43. | mir | | |
| FSIP- SurFace Blow | | 5 cmin | |
| Rec/5 Feet of CaCO | / 🔾 %gas | 90 %oil | %water %muc |
| Rec_ 60 Feet of Gmc0 | //) %gas | 20 %oil | %water / 8 %muc |
| Rec 60 Feet of GOCM | 5 %gas | 5 %oil | %water 90 %muc |
| Rec 200 Feet of GIP | %gas | %oil | %water %muc |
| RecEeet of | %gas | %oil | %water %muc |
| Rec Total 135 BHT 117 Gravity | 41 APIRW | @ °F Ch | oridesppn |
| (A) Initial Hydrostatic 2/7/ | 1250 | T-On Location | on 1400 |
| (B) First Initial Flow/ S Jars | 258 | T-Started _ | 1445 |
| | y Joint 75 ' | T-Open | 17:15 |
| (D) Initial Shut-In//86 🔲 Circ | | T-Pulled | 20:30 |
| | ly Standby | T-Out | 22144 |
| (F) Second Final Flow | ige 106 RT | (6).75 60 6 | FSIP WENT |
| (G) Final Shut-In 1268 I Sam | oler | 60 (| SECARSEOT |
| (H) Final Hydrostatic 2/16 🖂 Strac | | | ic problem OND |
| ☐ Shall | 5 | | Shale Packer |
| 1/5 | | - Numed | |
| 1/6 | | - Li Extra CC | ~ |
| 116 | Recorder | | 1777 75 |
| HE 1.0 | Standby | | 1737.75 |
| Short Shirt In | | | |
| Final Shut-In GO | 0 - | MP/DST D | isc't |

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 it 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.