



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1230146
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: _____

1230146

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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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Whipple C 4
Doc ID	1230146

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Whipple C 4
Doc ID	1230146

Tops

Name	Top	Datum
Anhy	1938'	+917
B/Anhy	2003'	+852
Heebner	3803'	-1282
Lansing	3839'	-1318
B/KC	4167'	-1646
Marmaton	4175'	-1654
Ft.Scott	4357'	-1836
Cherokee	4380'	-1859
Mississippian	4460'	-1939

ALLIED OIL & GAS SERVICES, LLC 063958

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE <u>10-1-14</u>	SEC. <u>8</u>	TWP. <u>18</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION <u>11:30am</u>	JOB START <u>11:30am</u>	JOB FINISH <u>12pm</u>
LEASE <u>Whipple</u>		WELL # <u>4</u>	LOCATION <u>Beeler - 3N on rd</u>		COUNTY <u>NESS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>vest into</u>				

CONTRACTOR <u>Dire 5</u>	
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/8</u>	T.D.
CASING SIZE <u>4 5/8</u>	DEPTH <u>24</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15ft</u>	
PERFS.	
DISPLACEMENT <u>12.23 bbl H₂O</u>	
EQUIPMENT	

PUMP TRUCK	CEMENTER <u>Dosh/Soul</u>
# <u>398</u>	HELPER <u>Brian Lang</u>
BULK TRUCK	
# <u>471-112</u>	DRIVER <u>Marlyn Sprangberg</u>
BULK TRUCK	
#	DRIVER

OWNER		
CEMENT		
AMOUNT ORDERED	<u>165 SX class A 3'cc</u>	
<u>2% gel</u>		
COMMON	<u>165</u>	@ <u>17.90</u> <u>2,953.50</u>
POZMIX		@
GEL	<u>310</u>	@ <u>.50</u> <u>155.00</u>
CHLORIDE	<u>465</u>	@ <u>1.10</u> <u>511.50</u>
ASC		@
<u>Materials Total</u>		<u>3,620.00</u>
<u>Disc 20%</u>		<u>724.00</u>
Service		
HANDLING	<u>178.42</u>	@ <u>2.48</u> <u>442.48</u>
MILEAGE	<u>8.14 x 25 x</u>	<u>2.75</u> <u>559.63</u>

REMARKS:

On location - Rig up - had safety meeting
Ran 5 7/8 casing - Break circulation -
pump 5 bbl H₂O
mix 165 SX class A 3'cc 2% gel
Displace 12.23 bbl H₂O
Shut in 12pm
Cement did circulate
Rig down

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1512.35</u>
EXTRA FOOTAGE	@	<u>192.50</u>
MILEAGE <u>Hum 25</u>	@ <u>7.70</u>	<u>170.00</u>
MANIFOLD	@	
<u>Hum 25</u>	@ <u>4.40</u>	<u>110.00</u>

CHARGE TO: American warrior
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 2816.86
 Disc 20% 563.37

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____

TOTAL 0
 Disc 0%

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.

SALES TAX (If Any) _____
 TOTAL CHARGES 6,436.86
 DISCOUNT 20% 1,287.37 (20/20/0)
IF PAID IN 30 DAYS
5,149.49

PRINTED NAME X KENNETH MCGUIRE
 SIGNATURE X Kenneth McGuire



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

TICKET 27878

SERVICE LOCATIONS: 1. *New City KS* WELL/PROJECT NO. *#4* LEASE *Whipple C* COUNTY/PARISH *Ness* STATE *KS* CITY *Beeler* DATE *10 OCT 14* OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR *DUKE* RIG NAME/NO. *5* SHIPPED *CT* DELIVERED TO *location* ORDER NO.
 3. WELL TYPE *o.i* WELL CATEGORY *Development* JOB PURPOSE *cement long string* WELL PERMIT NO. WELL LOCATION
 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 TRK 114	25	mi			6.00	150.00
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
404		1			Port Collar	5 1/2	in	1	ea	2900.00	2900.00
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

DATE SIGNED TIME SIGNED 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		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	1	5430.00
	2	5460.56
Subtotal		11890.56
TAX 6.15%		594.18
TOTAL		12,484.74

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

SWIFT OPERATOR *ASW* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 27878

CUSTOMER American Warrior WELL Whipple C #4 DATE 10 OCT 14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M						
325		1				standard cement (500 ET-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				wt-lad-322			125	lb			8.00	1000.00
276		1				flocelc			50	lb			2.50	125.00
281		1				mid flush			500	gal			1.25	625.00
221		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	TOTAL WEIGHT	LOADED MILES	229.06				1.00	229.06
							18725	25						

CONTINUATION TOTAL 5460.56

JOB LOG

SWIFT Services, Inc.

DATE 10 OCT 14 PAGE NO.

CUSTOMER American Warriors WELL NO. #4 LEASE Whipple C JOB TYPE cement long string TICKET NO. 27878

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175sk SA-2 cement w/ 4# flocc 5 1/2" x 15.5# casing 111 joints 4627' shve jt port collar #66 1866' Centralize 1, 2, 4, 5, 6, 8, 10, 65, 67 Prest #3, #66
	0245							on loc TRK 114
	0255							start 5 1/2 x 15.5# casing in well
	0450							Drop ball - circulate
	0615	4	12			200		Pump 500 gal mud flush
		4	20			200		Pump 80 bbl KCL flush
	0625		7					Plug RH - MH 30sk - 20sk
	0630	4 1/2	35			200		mix SA-2 cement 125sk @ 15.3ppg
								Drop latch down plug wash out pump's lines
	0650	6 1/2				200		Displace plug
		4 1/4	20			200		TRK Breakdown - last plug w/ mud pump
	0715	4 1/4	110			1400		hand plug
								Release pressure to truck - dried up pit
								wash truck
								Back up - call for truck maintenance
	0800							job complete Flush <div style="display: inline-block; vertical-align: middle; border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> Last 80 bbl of displacement is mud - hand plug w/ mud pump </div>



CHARGE TO: **AMERICAN WARRIDR**
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 28004

PAGE 1 OF

SERVICE LOCATIONS: 1. **NESS CITY, KS**
 WELL/PROJECT NO.:
 LEASE: **WHIPPLE C^D**
 COUNTY/PARISH: **NESS**
 STATE: **KS.** CITY: **BEELEER, KS.** DATE: **22 OCT 14** OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: **HD OILFIELD SERV.** RIG NAME/NO.: SHIPPED VIA: DELIVERED TO: ORDER NO.:
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **CEMENT PORT COLLAR** WELL PERMIT NO.: WELL LOCATION: **3 1/2 N, W/N/W IWB**
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M		U/M	
575					MILEAGE #115	25	mil	6 ⁰⁰		150 ⁰⁰
576D					Pump CHARGE	1	000	1500 ⁰⁰		1500 ⁰⁰
105					PORT COLLAR OPENING TOOL	1	JOB	350 ⁰⁰		350 ⁰⁰
276					FLOCELE	30	lbs	2 ⁵⁰		75 ⁰⁰
290					D-AIR	1	gal	42 ⁰⁰		42 ⁰⁰
330					SMD CEMENT	120	5X	18 ⁵⁰		2220 ⁰⁰
581					CEMENT SERVICE CHARGE	200	5X	2 ⁰⁰		400 ⁰⁰
582					MINIMUM DRAYAGE	19950	lbs	249.37 ⁰⁰	m	250 ⁰⁰

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

X
 DATE SIGNED: **22 OCT 14** TIME SIGNED: **1200** 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?				4987	⁰⁰
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				17 ⁵⁵	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TAX	165 ²⁵
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	5152 ²⁵

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

SWIFT OPERATOR: APPROVAL:

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 22 OCT 14 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE WHIPPLE C # 2 JOB TYPE CEMENT PORT COLLAR TICKET NO. 28004

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							ON LOCATION
								PORT COLLAR @ 1868
	0900			✓		1000		TEST - HELD
	0904							OPEN PORT COLLAR
	0933	4	66	✓		600		MIX 120 SX SMD
		3	6 1/2	✓		350		DISPLACE CEMENT
								CIRCULATE 20SX TO PIT
								RUN 4 JTS.
	1005	4	18	✓		350		REVERSE CLEAN
	1014							WASH TRUCK
								RUN TUBING TO BOTTOM
	1105	3	115	✓		500		CIRCULATE MUD OUT OF HOLE
	1200							JOB COMPLETE.
								THANKS #115
								JASON DAVE PRESTON



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

8-18S-26W Ness, KS

3118 Cummings Rd
PO Box 399
Garden City, KS 67846
ATTN: Luke Thompson

Whipple C #4

Job Ticket: 60919

DST#: 3

Test Start: 2014.10.08 @ 13:25:51

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:21:21

Time Test Ended: 22:03:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 4402.00 ft (KB) To 4474.00 ft (KB) (TVD)

Reference Elevations: 2521.00 ft (KB)

Total Depth: 4474.00 ft (KB) (TVD)

2511.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8655 Outside

Press@RunDepth: 209.14 psig @ 4403.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.08

End Date:

2014.10.08

Last Calib.:

2014.10.08

Start Time:

13:25:52

End Time:

22:03:21

Time On Btm:

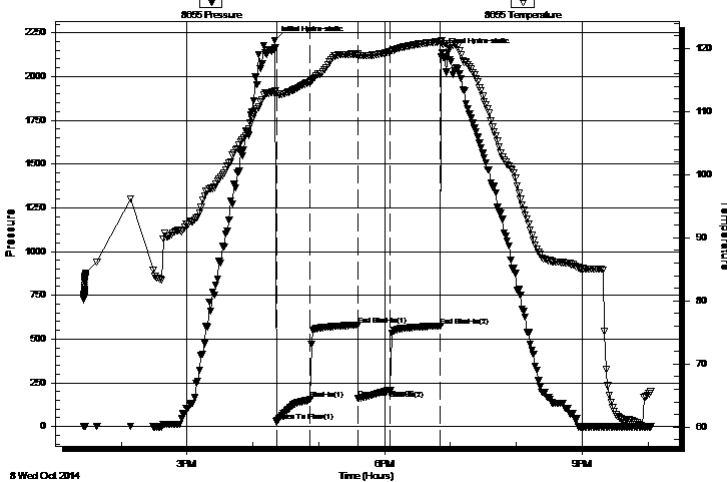
2014.10.08 @ 16:19:51

Time Off Btm:

2014.10.08 @ 18:52:21

TEST COMMENT: 30- IF- BOB 22mins
45- IS- Slowly built to .5"
30- FF- BOB 18mins
45- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.73	113.11	Initial Hydro-static
2	27.48	112.82	Open To Flow (1)
33	155.37	114.66	Shut-In(1)
76	579.68	119.08	End Shut-In(1)
76	161.00	118.91	Open To Flow (2)
106	209.14	119.48	Shut-In(2)
151	575.12	121.09	End Shut-In(2)
153	2135.52	120.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	HOCM, 40%O 60%M	0.89
250.00	SOWM, 15%O 35%W 50%M	2.82
0.00	130' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

8-18S-26W Ness, KS

3118 Cummings Rd
PO Box 399
Garden City, KS 67846
ATTN: Luke Thompson

Whipple C #4

Job Ticket: 60919

DST#: 3

Test Start: 2014.10.08 @ 13:25:51

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 2800.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	HOCM, 40%O 60%M	0.885
250.00	SOWM, 15%O 35%W 50%M	2.821
0.00	130' GIP	0.000

Total Length: 430.00 ft Total Volume: 3.706 bbl

Num Fluid Samples: 0

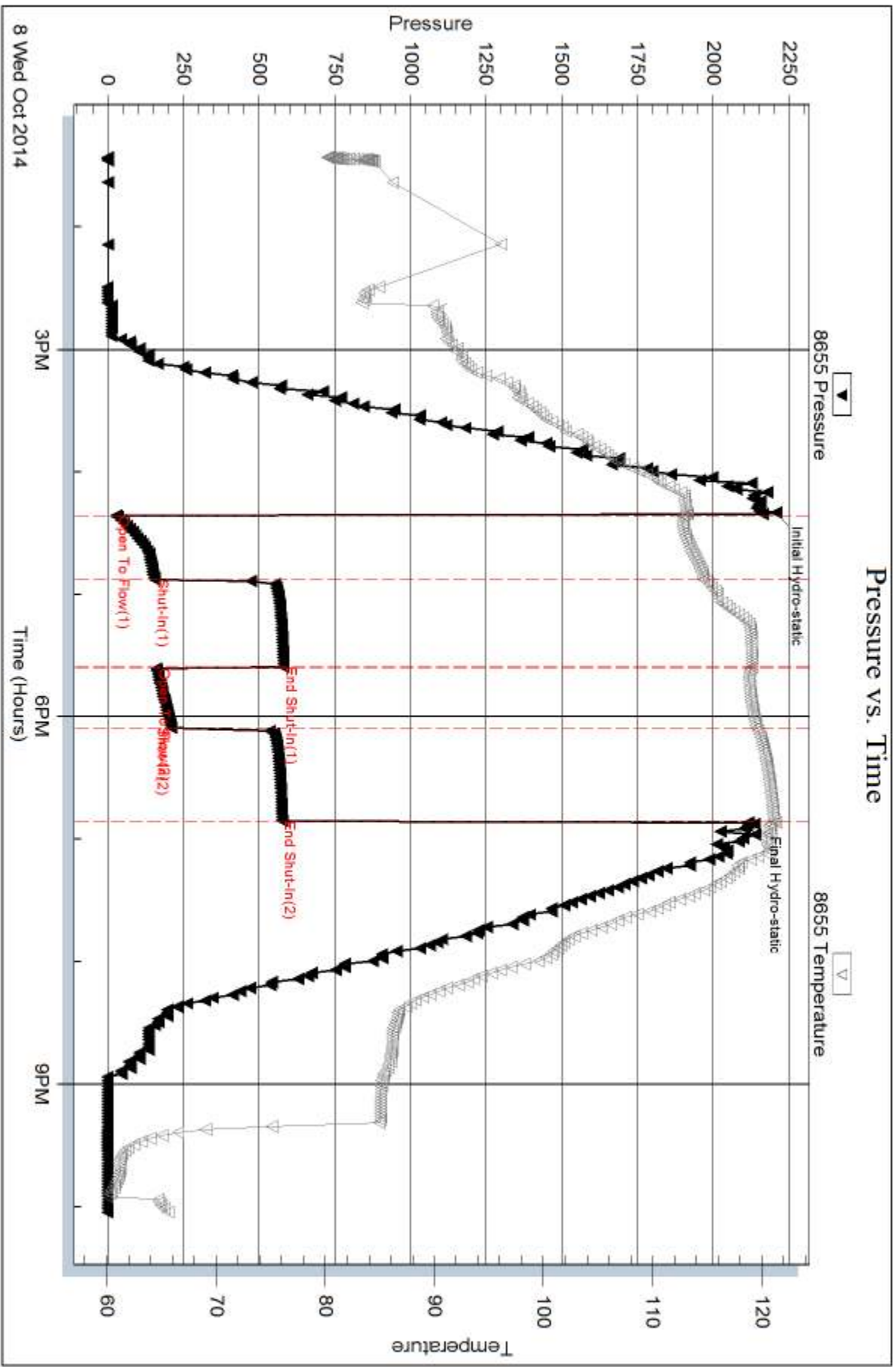
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Geological Report

American Warrior, Inc.

Whipple C-#4

1454' FNL & 1417' FEL

Sec 8, T18s, R26w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Whipple C-#4
1454' FNL & 1417' FEL
Sec. 8, T18s, R26w
Ness County, Kansas
API # 15-135-25819-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: October, 1 2014

Completion Date: October 10, 2014

Elevation 2510' G.L.
2521' K.B.

Directions: From Ness City, KS go west on Highway 96 15 miles to Beeler, KS. West side of Beeler, turn North on Road C. Go 3.2 miles to gate with white panels and cattle guard. Follow Lease road in approx. 1.5 miles.

Casing: 211' #28 Surface Casing
4616' 5 1/2" #15.5 Production Casing

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3750' to RTD

Electric Logs: Pioneer Energy Services "R. Barnhart"
Full Sweep

Drillstem Tests: Two-Trilobite Testing "Brannon Lonsdale"

Problems: None Encountered

Formation Tops

Whipple C-#4

Sec. 8, T18s, R26w

1454' FNL & 1417' FEL

Anhydrite	1938' +917
Base	2003' +852
Heebner	3803' -1282
Lansing	3839' -1318
Stark	4096' -1575
Bkc	4167' -1646
Marmaton	4175' -1654
Pawnee	4301' -1780
Fort Scott	4357' -1836
Cherokee	4380' -1859
Miss	4460' -1939
RTD	4625' -2104
LTD	4626' -2105

Sample Zone Descriptions

Lansing

(3856', -1335): Covered in DST #1

Dolomite, cream to white, sucrosic, vuggy, fair to good inter-crystalline and vuggy porosity, poor to fair odor, good stain, fair saturation. No Gas Kick (unit was not recording).

Cherokee

(4398', -1877): Covered in DST #2

Limestone, tan, dense, some cuttings oolitic with poor to fair oomoldic porosity, fair to poor stain and saturation, good odor. Gas Kick of 220 units.

Warsaw

(4466', -1945): Covered in DST #3

Dolomite, brown, sucrosic, vuggy, good inter-crystalline and vuggy porosity, good to strong odor, good saturation, good stain. Gas Kick of 2300 units.

Drill Stem Tests
Trilobite Testing
“Brannon Lonsdale”

DST #1

Lansing

Interval (3830' – 3871') Anchor Length 41' & 68' tail pipe

IHP - 1868 #
IFP - 45" – BOB in 41 min 201-251 #
ISI - 45" – No Blow 1194 #
FFP - 45" – Slow Build 9" 256-301 #
FSIP - 45" – No Blow 1177 #
FHP - 1857 #
BHT - 117° F

Recovery: 545' WM, 15% W, 85%M

DST #2

Cherokee

Interval (4378' – 4411') Anchor Length 33'

IHP - 2166 #
IFP - 30" – WSB built to .25" 17-21 #
ISI - 30" – No return 44 #
FFP - 10" – No blow 18-22 #
FSIP - Pull Tool NA
FHP - 2109 #
BHT - 120° F

Recovery: 5' Mud

DST #3

Miss (Warsaw)

Interval (4402' – 4474') Anchor Length 72'

IHP - 2207 #
IFP - 30" – BOB 22 min 27-155 #
ISI - 45" – Slow build to 0.5" 155-580 #
FFP - 30" – BOB 18 min 161-209 #
FSIP - 45" – No Blow 209-575 #
FHP - 2136 #
BHT - 121° F

Recovery: 180' HOCM (40% O, 60% M), 250 SOWM (15%O, 35%W, 50% M), 130' GIP

Structural Comparison

	American Warrior, Inc. Whipple C- #4 Sec. 8, T18s, R26w 1454' FNL & 1417' FEL		Donald C. Slawson Whipple C- #1 Sec. 8, T18s, R26w 3630' FSL & 1650' FEL		Buffalo Operating Co. Whipple C- #3 Sec. 8, T18s, R26w 4290' FSL & 940' FEL
<u>Formation</u>					
Heebner	3803' -1282	-1	3805' -1281	+15	3817' -1297
Lansing	3839' -1318	-2	3840' -1316	+15	3853' -1333
Stark	4096' -1575	-3	4096' -1572	+14	4109' -1589
BKC	4167' - 1646	-1	4169' -1645	+16	4182' -1662
Marmaton	4175' -1654	0	4178' -1654	+18	4192' -1672
Pawnee	4301' -1780	-2	4302' -1778	+16	4316' -1796
Fort Scott	4357' -1836	-3	4357' -1833	+18	4374' -1854
Cherokee	4380' -1859	-1	4382' -1858	+19	4398' -1878
Miss	4464' -1943	-4	4463' -1939	+15	4478' -1958

Summary

The location for the Whipple C-#4 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests were conducted, one of which recovered commercial quantities of oil from the Warsaw Dolomite. After all the gathered data had been examined, the decision was made to run 5 1/2" casing to further evaluate the Whipple C-#4 well.

Perforations

Primary: **Miss Warsaw (4466' – 4472')**

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.