



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1070375

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 # _____

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: _____



1070375

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 ☐ Yes ☐ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☐ No Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No Electric Log Submitted Electronically ☐ Yes ☐ No <i>(If no, Submit Copy)</i> List All E. Logs Run:	☐ Log Formation (Top), Depth and Datum ☐ Sample Name Top Datum
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CASING RECORD ☐ New ☐ 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 <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. <i>(Submit ACO-5)</i> ☐ Commingled <i>(Submit ACO-4)</i> ☐ Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Ryersee 3-28
Doc ID	1070375

Tops

Name	Top	Datum
Anhydrite	1335	773
Heebner	3574	-1466
Lansing	3618	-1510
BKC	3933	-1825
Pawnee	4012	-1904
Ft. Scott	4089	-1980
Cherokee	4106	-1998
Mississippian	4189	-2081
RTD	4194	-2086

Geological Report

American Warrior, Inc.

Ryersee #3-28

840' FNL & 430' FEL

Sec. 28 T18s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Ryersee #3-28 840' FNL & 430' FEL Sec. 28 T18s R21w Ness County, Kansas API # 15-135-25282-0000
Drilling Contractor:	Petromark Drilling, LLc. Rig #1
Geologist:	Jason Alm
Spud Date:	August 10, 2011
Completion Date:	August 17, 2011
Elevation:	2102' Ground Level 2108' Kelly Bushing
Directions:	Bazine KS, East on Hwy 96 to FF rd. North ½ mi. to 130 rd. East on 130 rd. 7/8 mi. South into location.
Casing:	1348' 8 5/8" surface casing
Samples:	10' wet and dry, 3500' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Brandon Turley"
Problems:	None
Remarks:	None

Formation Tops

	American Warrior, Inc.
	Ryersee #3-28
	Sec. 28 T18s R21w
Formation	840' FNL & 430' FEL
Anhydrite	1335', +773
Base	1367', +741
Heebner	3574', -1466
Lansing	3618', -1510
BKc	3933', -1825
Pawnee	4012', -1904
Fort Scott	4089', -1980
Cherokee	4106', -1998
Mississippian	4189', -2081
RTD	4194', -2086

Sample Zone Descriptions

Mississippian Osage (4189', -2081'): **Covered in DST #1**

Dolo – Δ – Fine sucrosic crystalline with poor vuggy porosity, very heavy slightly tripolitic chert, lightly weathered with fair to good vuggy porosity, light to fair scattered oil stain in porosity, no show of free oil, light spotted yellow fluorescents, 22 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.
“Brandon Turley”

DST #1

Mississippian Osage

Interval (4104' – 4194') Anchor Length 90'

IHP	– 2021 #	
IFP	– 10" – B.O.B. 2 min.	159-501 #
ISI	– 30" – Dead	1181 #
FFP	– 10" – B.O.B. 2 min.	393-566 #
FSI	– 30" – Dead	1183 #
FHP	– 1945 #	
BHT	– 122°F	

Recovery: 226' Mud
 310' MCW
 372' MCW w/ Trace of Oil
 124' OCMW 5% Oil, 75% Water

Structural Comparison

	American Warrior, Inc. Ryersee #3-28 Sec. 28 T18s R21w 840' FNL & 430' FEL	Sunray DX Oil Co. Jones #1 Sec. 28 T18s R21w NE NE NE		American Warrior, Inc. Ryersee #2-28 Sec. 28 T18s R21w 760' FSL & 2600' FEL	
Formation					
Anhydrite	1335', +773	NA	NA	1332', +779	(-6)
Base	1367', +741	NA	NA	1366', +745	(-4)
Heebner	3574', -1466	3570', -1461	(-5)	3564', -1453	(-13)
Lansing	3618', -1510	3615', -1506	(-4)	3610', -1499	(-11)
BKc	3933', -1825	3936', -1827	(+2)	3930', -1819	(-6)
Pawnee	4012', -1904	4012', -1903	(-1)	4008', -1897	(-7)
Fort Scott	4089', -1980	4086', -1977	(-3)	4082', -1971	(-9)
Cherokee	4106', -1998	4104', -1995	(-3)	4097', -1986	(-12)
Mississippian	4189', -2081	4188', -2079	(-2)	4188', -2077	(-4)

Summary

The location for the Ryersee #3-28 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the Ryersee #3-28 well.

Respectfully Submitted,

Jason Alm
Hard Rock Consulting, Inc.

JOB LOG

SWIFT Services, Inc.

DATE 17 AUG 11 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
AMERICAN WARRIOR				KYESEE 3-28		PTA		22187	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
0720								ON LOCATION	
0850	4	13			✓			SET 1 ST PLUG @ 1370 - 50 SX	
0935	4	13			✓			SET 2 ND PLUG @ 600 - 50 SX	
0949	4	13			✓			SET 3 RD PLUG @ 300 - 50 SX	
1019	3	5 1/2			✓			SET 4 TH PLUG @ 60 - 20 SX	
1046		7						PLUG RH (30 SX)	



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

SERVICE LOCATIONS
1. NESS CITY, KS.
2. WELLS PROJECT NO.
3. TICKET TYPE CONTRACTOR
4. REFERRAL LOCATION INVOICE INSTRUCTIONS
WELL TYPE DIL WELL CATEGORY ABANDON JOB PURPOSE PTA.

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING	DESCRIPTION
575		LOC ACCT DF	MILEAGE \$ 110
576P			PUMP CHARGE
276			FLOCCLE
290			D-AIR
582			MINIMUM DRAGAGE
328-4			60/40 Pozmix 496 G
581			SERVICE CHARGE CEMENT

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

REMIT PAYMENT TO:

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

DATE SIGNED 17 AUG 11 TIME SIGNED 1115
SWIFT OPERATOR [Signature]
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES
APPROVAL



Services, Inc.

CHARGE TO:

AMERICAN WOODCOCK INC

TICKET

21012

CITY, STATE, ZIP CODE

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. NESS CITY, KS	3-28	RYERSEE	NESS	KS	LOUNTAIN	8-12-11	SAME

TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED	DELIVERED TO	ORDER NO.
☒ SERVICE	PETRO-MAX INC #1		☒ YES		
☐ SALES					

WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION
Oil	Development	8 5/8" SURFACE		BAZAR, KS - 2E, 1N, 34E, S

4. REFERRAL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE # 110	20	MC		6.00	120.00
576D		1			PUMP CHARGE - DEEP SURFACE	1	JOB	1345	FT	1250.00
221		1			LIGAND WCL	2	GA		25.00	50.00
281		1			MUDFLUSH	500	GA		1.25	625.00
409		1			TUBSOLIDS	4	EA	8 5/8"		400.00
410		1			TOP PLUG	1	EA			100.00
401		1			TRUSSER FLOAT W/O AUTO FILL	1	EA			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

DATE SIGNED	TIME SIGNED	BY
8-12-11	2400	ELM

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

SURVEY	AGREE	UN-DECEID	DIS-AGREE	PAGE TOTAL #1	2795.00
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					
ARE YOU SATISFIED WITH OUR SERVICE?	☐ YES	☐ NO		TAX	8660.40
☐ CUSTOMER DID NOT WISH TO RESPOND				TOTAL	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT SERVICES, INC. APPROVAL

Signature

Thank You!

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

TICKET CONTINUATION

TICKET
No. 21012

CUSTOMER	WELL	DATE	PAGE	OF
American Wadsworth Inc.	RODUSEE 3-28	8-12-11	2	2

[illegible]

866040

SWIFT Services, Inc.

DATE 8-12-11	PAGE NO.
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CUSTOMER
American Wire Rope Inc.

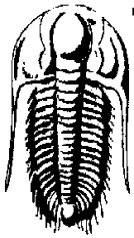
WELL NO. 3-28

LEASE RYERSEE

JOB TYPE
85/8 " SURFACE

TICKET NO. 21012

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
8/11/11	2300							ON LOCATION
	0130							START 8 ⁵ / ₈ " CASING IN WELL
								TD - 1347 SET = 1345
								TP - 1345 8 ⁵ / ₈ " 23
								SI - 18'
								CEMENTIZES - 1, 4, 12, 27
	0315							BREAK CIRCULATION
	0410	7	12		✓		350	PUMP 500 GAL MUD FLUSH
	0412	7	20		✓		350	PUMP 20 BBS KCL - FLUSH
	0420	7	48		✓		350	MAX CEMENT - 100 SKS = 11.8 PP6
			55		✓			150 SKS = 12.7 PP6
			31		✓			100 SKS = 13.5 PP6
		6 ¹ / ₂	20		✓		200	75 SKS = 14.5 PP6
	0440							RELEASE PLUG
	0440	7	0		✓			DISPLACE PLUG
	0452	7	85				600	PLUG DOWN - SHUT IN
								CIRCULATED 30 SKS CEMENT TO SET
								WASH TRUCK
	0600							JOB COMPLETE
								THANK YOU WAYNE, JEFF, LANE



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Jason Alm

Ryersee 3-28

28-18s-21w Ness KS

Job Ticket: 43681

DST#: 1

Test Start: 2011.08.16 @ 21:05:26

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:48:21

Time Test Ended: 03:36:50

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4104.00 ft (KB) To 4194.00 ft (KB) (TVD)

Total Depth: 4194.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2108.00 ft (KB)

2102.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8373 Inside

Press@RunDepth: 566.05 psig @ 4105.00 ft (KB)

Start Date: 2011.08.16

End Date:

2011.08.17

Start Time: 21:05:26

End Time:

03:36:50

Capacity: 8000.00 psig

Last Calib.: 2011.08.17

Time On Btm: 2011.08.16 @ 23:46:36

Time Off Btm: 2011.08.17 @ 01:10:21

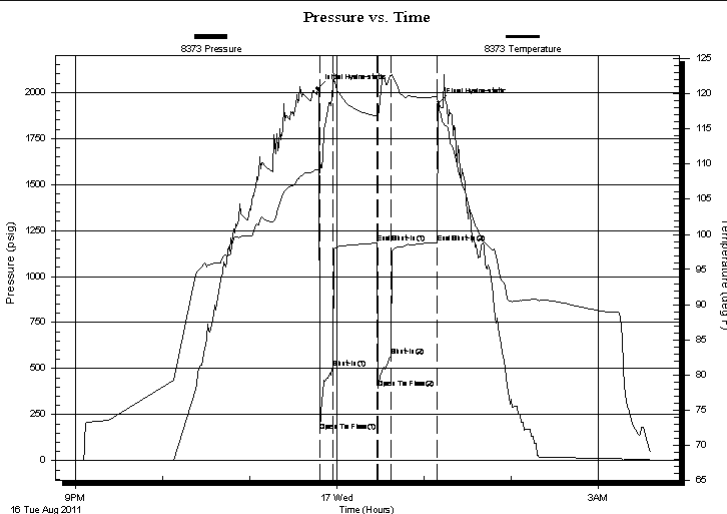
TEST COMMENT: IF: BOB in 2 min.

IS: No return.

FF: BOB in 2 min.

FS: No return.

PRESSURE SUMMARY



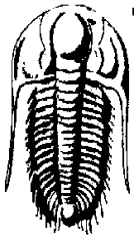
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2020.93	109.26	Initial Hydro-static
2	159.01	108.78	Open To Flow (1)
11	501.81	121.34	Shut-In(1)
42	1181.27	116.84	End Shut-In(1)
42	393.98	116.83	Open To Flow (2)
51	566.05	122.58	Shut-In(2)
83	1183.32	119.57	End Shut-In(2)
84	1945.52	118.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocmw 5%o 75%w 20%m	0.66
372.00	mcw trace of oil 85%w 15%m	5.22
310.00	mcw 30%w 70%m	4.35
226.00	mud 100%m	3.17

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Ryersee 3-28

3118 Cummings Rd
Garden City, Ks 67846

28-18s-21w Ness KS

Job Ticket: 43681

DST#: 1

ATTN: Jason Alm

Test Start: 2011.08.16 @ 21:05:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	ocmw 5%o 75%w 20%m	0.655
372.00	mcw trace of oil 85%w 15%m	5.218
310.00	mcw 30%w 70%m	4.348
226.00	mud 100%m	3.170

Total Length: 1032.00 ft

Total Volume: 13.391 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .27@72=25000

