



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
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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

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: \_\_\_\_\_



1083023

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

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

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Tom-Diane 1-4
Doc ID	1083023

Tops

Name	Top	Datum
Anhy	1455	+918
B/Anhy	1483	+890
Heebner	3964	-1590
Lansing	4065	-1692
B/KC	4403	-2030
Marm	4423	-2053
Altamont	4444	-2071
Pawnee	4528	-2155
Ft.Scott	4574	-2201
Cherokee	4598	-2225
Mississippian	4645	-2272





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

TICKET No 21349  
 PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>HAYS</u>	WELL/PROJECT NO. <u>1-4</u>	LEASE <u>TOM-DIANE</u>	COUNTY/PARISH <u>HODGEMAN</u>	STATE <u>MO</u>	CITY	DATE <u>04-19-12</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>DUMEDRIG # 5</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>ORIGIN</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>LONGSTRUNG</u>	WELL PERMIT NO. <u>15-083-21763</u>	WELL LOCATION <u>SYTDY R 21</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
575		1			MILEAGE #112	50	m.			6.00	300.00
578		1			Pump Service	1	EA			1500.00	1500.00
221		1			LIQUIDITY	2	GA			25.00	50.00
281		1			MUD FLUSH	500	GA			1.25	625.00
290		1			DAIR	2	EA			35.00	70.00
402		1			CENTRALIZER	9	EA	5 1/2		70.00	630.00
403		1			BASIN	2	EA			250.00	500.00
404		1			PORT CELLAR	1	EA		14347	2400.00	2400.00
406		1			LATEX DRAIN PLUG 4BHTG	1	EA			250.00	250.00
407		1			FRUIT FLAVOR SALT 4BHTG	1	EA			350.00	350.00

**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 Kenneth McGee  
 DATE SIGNED 04-19-12 TIME SIGNED 2230  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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6675	00
WE UNDERSTOOD AND MET YOUR NEEDS?				4493	75
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				11168	75
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				637	91
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	11,800.66

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR Darby APPROVAL  
 Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 04-19-12 PAGE NO. 7

CUSTOMER AWZ WELL NO. 1-4 LEASE TOM-DIANE JOB TYPE LONGSTRINK TICKET NO. 21349

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0230							ON LOCATION CMT: 175 SWS S&D EA2
								RTD 4661, SET PIPE 4660, SJ 20.85 INSIST 4639 5 1/2 15.5 #/ft, PORT COLLAR on top # 77, 14347 CMT 1, 3, 5, 7, 9, 11, 13, 76, 78 BASHET 2, 77
	0100							START CIRC FLOTTER
	0240							TRK BUSHING - ODP 3/4"
	0245							BREAK COLL. 7/16"
	0320		7.5					PLUG RH 30' MH 20
	0325	55	12		-		200	500 GALS MUD FLUSH
		5	20		-			20 BBLs KCL FLUSH
			31		-			125 SWS EA2 CMT
								DROP LD PLUG, WASHOUT PL
		65	0		-		200	START DISP
			80		-		300	CMT ON SYSTEM
			100		-		600	
			105		-		700	
	0400	45	110.4		-		1500	LAND PLUG Release - Dry
	0445							JOB COMPLETE  THANK YOU! DAVE, JOSHUA, SHANE



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

TICKET No 22651

PAGE 1 OF \_\_\_\_\_

SERVICE LOCATIONS: 1. NESS CITY, KS. WELL/PROJECT NO. \_\_\_\_\_ LEASE TOM DIANE 1-4 COUNTY/PARISH HODGEMAN STATE KS CITY HANSTON, KS DATE 8 MAY 12 OWNER \_\_\_\_\_

2. TICKET TYPE  SERVICE  SALES CONTRACTOR CO. TOOLS 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 8S, 4E, 2S 1/2 E, N1W10

4. REFERRAL LOCATION \_\_\_\_\_ INVOICE INSTRUCTIONS \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #110	45		MIL		6.00	270.00
576D					Pump CHARGE	1		1434 FT.		1250.00	1250.00
276					FLOCELE	44		lbs.		2.00	88.00
290					D-AIR	2		gal		35.00	70.00
105					PORT COLLAR OPENING TOOL	1		JOB		350.00	350.00
330					SWIFT MULTI DENSITY	175		sq		16.50	2887.50
581					SERVICE CHARGE CEMENT	175		sq		2.00	350.00
583					DRAYAGE	17384		lbs.	391.14 TM	1.00	391.14

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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 8 MAY TIME SIGNED 1030  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?				5656	64
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				TOTAL	5909.00

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

SWIFT OPERATOR [Signature] APPROVAL \_\_\_\_\_

Thank You!







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

TICKET No 23668

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>1-4</u>	LEASE <u>Tom-Diane</u>	COUNTY/PARISH <u>Hodgeman</u>	STATE <u>KE</u>	CITY <u>Hanston</u>	DATE <u>18 MAY 12</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>concrete backside job</u>	WELL PERMIT NO.	WELL LOCATION <u>4-24-21</u>		
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	25	mi	6	00	150.00
577		1			Pump Charge	1	eq	1000	00	1000.00
325		1			Standard cement	25	sk	13	00	1012.50
278		1			Calcium Chloride	2	sk	40	00	80.00
290		1			D-AIR	1	gal	35	00	35.00
581		1			service charge	75	sk	2	00	150.00
583		1			Drayage			50	mi	270.38

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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 \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  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	2697.88
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	2781.88

*Hodgeman*  
TAX 7.45%

JOB LOG

SWIFT Services, Inc.

DATE 8 MAY 12 PAGE NO.

CUSTOMER Arizon Warrior WELL NO. 1-4 LEASE TOM - DIANE JOB TYPE Cement backside TICKET NO. 23668

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								5 1/2 casing - pump cement in 8 3/8 - 5 1/2 annulus 75 sk STD w/ 30% CC
	1445							on loc TRIL 114
							500	press 5 1/2" to 500 psi - shot in
	1455	2	1				250	inj rate 2 @ 250
	1505	2					250	mix STD cement 75 sk @ 15.6 ppg
		2	14				300	pressure increase
	1515	2	16				400	Kickout holding 400
			1 1/2					Pump 1 1/2 bbl H <sub>2</sub> O
	1520						400	Shot in
								Wash truck
								Back up
	1535							job complete
								Flukes
								Russ Blin & Dave

# **Geological Report**

American Warrior Inc.  
**Tom-Diane #1-4**  
500' FSL & 1475' FWL  
Sec. 4 T24s R21w  
Hodgeman County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Tom-Diane #1-4  
500' FSL & 1475' FWL  
Sec. 4 T24s R21w  
Hodgeman County, Kansas  
API # 15-083-21768-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Harley Sayles

Spud Date: April 12, 2012

Completion Date: April 19, 2012

Elevation: 2362' Ground Level  
2373' Kelly Bushing

Directions: Hanston KS, 7.9 mi south on Spearville Rd, 4 mi  
East on H Rd, 2 mi South on 232 Rd, 0.4 mi East on  
F Rd, 0.1 mi North into location

Casing: 23# 8 5/8" surface casing @ 214, 15.5# 5 1/2"  
production casing set @ 4660

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

Drilling Time: 3850' to RTD

Electric Logs: Dual Induction, Microresistivity, Dual  
Compensated Porosity

Drillstem Tests: Two, "Kevin Taylor"

Problems: None

Remarks: None

## Formation Tops

Formation	American Warrior, Inc. Tom-Diane #1-4 Sec. 4 T24s R21w 500' FSL & 1475' FWL
Anhydrite	1455', +918
Base	1483', +890
Heebner	3964', -1590
Douglas	3990', -1617
Lansing	4065', -1692
Stark	4295', -1922
BKc	4403', -2030
Marmaton	4423', -2053
Altamont "A"	4444', -2071
Pawnee	4528', -2155
Fort Scott	4574', -2201
Cherokee	4598', -2225
Mississippian	4645', -2272
Osage	4652', -2279
LTD	4661', -2288

## Sample Zone Descriptions

- Lansing L** (4352', -1979): not tested  
 Ls- Tan to cream, fine to sub crystalline, slightly oolitic, poor inter-crystalline porosity, fracture porosity?, extrusive crystals growing on flat surface of sample, stain on extrusive crystals only, slight show of free oil, very weak odor, very bright yellow florescence
- Altamont "A"** (4444', -2071): Covered in DST #1  
 Ls- Cream to tan, fine to sub to medium crystalline, fair to good inter-crystalline porosity, very poor vuggy porosity, fair show of free oil, weak odor, dull yellow florescence, scattered saturation and stain, 10 units hotwire
- Cherokee** (4598', -2225): not tested  
 Ls- Tan, fine to sub crystalline, poor to fair intercrystalline porosity, very poor vuggy porosity, partial saturation and stain, slight to fair show of free oil, weak to fair odor, bright yellow florescence, few gas bubbles

**Warsaw** (4645', -2272): Covered in DST #2

Dolo- Cream to tan, fine to sub crystalline, poor to fair intercrystalline porosity, very good show of free oil, good odor, bright yellow florescence, very good saturation and stain

**Osage** (4652', -2279): Covered in DST #2

Δ-Dolo- White to tan, fine crystalline, very good intercrystalline porosity, good vuggy porosity white heavily weathered tripolitic chert some fresh, white to yellow, very good show of free oil, very strong odor, bright yellow florescence, complete to partial saturation and stain

**Drill Stem Tests**  
Trilobite Testing Inc.  
"Kevin Taylor"

**DST #1** **Altamont "A"**

Interval (4434' – 4460') Anchor Length 26'

IHP	- 2181 #	
IFP	- 30" – BOB 36 sec	79-190 #
ISI	- 45" – Built to 9 1/2" 41 min	536 #
FFP	- 45" – BOB 3 min 16 sec	214-324 #
FSIP	- 60" – Built to 11" 56 min	531 #
FHP	- 2004 #	
BHT	- 124 °F	

Recovery	478' GIP	
	63' GMCO	(7% Gas, 9% Mud, 84% Oil)
	534' GO	(12% Gas, 88% Oil) Gravity: 22° API
	60' GMCO	(3% Gas, 11% Mud, 86% Oil)

**DST #2****Mississippian Warsaw and Osage**

Interval (4614' – 4659') Anchor Length 45'

IHP	- 2306 #	
IFP	- 45" – BOB 20 min	40-182 #
ISI	- 45" – Built to 2 1/2" 40 min	1443 #
FFP	- 45" – BOB 9 min	195-285 #
FSIP	- 45" – Built to 7" 40 min	1443 #
FHP	- 2306 #	
BHT	- 130 °F	

Recovery	93' SMGCO	(4% Gas, 94% Oil, 2% Mud)
	63' SWGCO	(1% Gas, 97% Oil, 2% Water)
	189' OCM	(11% Oil, 89% Mud)
	189' MCW w/scum of oil	(1% Oil, 49% Water, 50% Mud)
	189' MW	(70% Water, 30% Mud)

**Structural Comparison**

	American Warrior, Inc. Tom-Diane #1-4 Sec. 4 T24s R21w 500' FSL & 1475' FWL	American Warrior, Inc. Burke-Jacobs #1-4 Sec. 4 T24s R21w 1000' FSL & 1625' FWL		American Warrior, Inc. Strecker Unit #1-9 Sec. 9 T24s R21w 112' F2L & 1430' FWL	
<b>Formation</b>					
Anhydrite	1455', +918	1452', +922	(+4)	1447', +926	(+8)
Base	1483', +890	1482', +892	(+2)	1479', +894	(+4)
Heebner	3964', -1590	3960', -1586	(-4)	3956', -1583	(-7)
Douglas	3990', -1617	3986', -1612	(-5)	3982', -1609	(-8)
Lansing	4065', -1692	4062', -1688	(-4)	4055', -1682	(-10)
Stark	4295', -1922	4290', -1916	(-6)	4288', -1915	(-7)
BKc	4403', -2030	4400', -2026	(-4)	4396', -2023	(-7)
Marmaton	4423', -2053	4421', -2047	(-6)	4416', -2043	(-10)
Altamont "A"	4444', -2071	4437', -2063	(-8)	4435', -2062	(-9)
Pawnee	4528', -2155	4526', -2152	(-3)	4522', -2149	(-6)
Fort Scott	4574', -2201	4572', -2198	(-3)	4569', -2196	(-5)
Cherokee	4598', -2225	4598', -2224	(-1)	4592', -2219	(-6)
Mississippian	4645', -2272	4645', -2271	(-1)	4629', -2256	(-16)
Osage	4652', -2279	4654', -2280	(+1)	4637', -2264	(-15)
LTD	4661', -2288				





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc.  
 3118 Cummings RD  
 Garden City KS 67846  
 ATTN: Harley Sayles

**4/24s/21w Hodgman KS**

**Tom Diane #1-4**

Job Ticket: 47727

**DST#: 1**

Test Start: 2012.04.17 @ 16:40:07

## GENERAL INFORMATION:

Formation: **Altamont "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:14:07

Time Test Ended: 03:28:07

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Taylor

Unit No: 47

**Interval: 4434.00 ft (KB) To 4460.00 ft (KB) (TVD)**

Reference Elevations: 2373.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

2362.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 6773 Outside**

Press @ Run Depth: 324.49 psig @ 4435.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.17 End Date: 2012.04.18

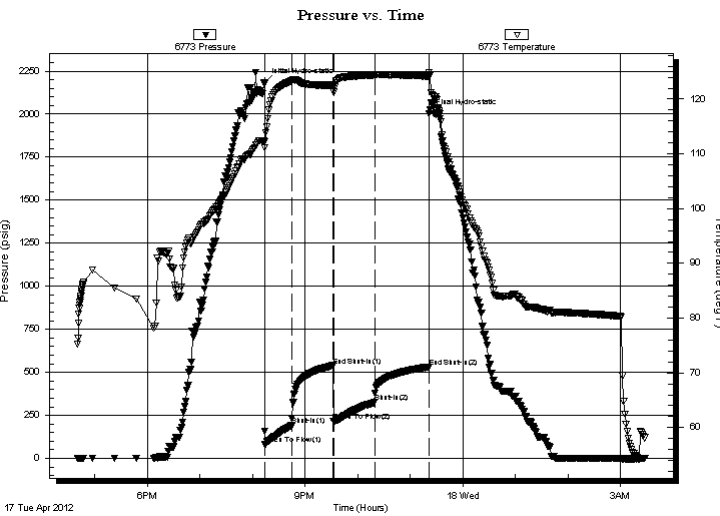
Last Calib.: 2012.04.18

Start Time: 16:40:12 End Time: 03:28:07

Time On Btm: 2012.04.17 @ 20:13:22

Time Off Btm: 2012.04.17 @ 23:21:37

**TEST COMMENT:** I.F. Strong Blow BOB 36 Sec  
 I.S.I Bleed Off 4 Min Fair Blow Built to 9 1/2" In 41 Min  
 F.F. Strong Blow BOB 3 Min  
 F.S.I. Bleed Off 4 Min Fair Blow Built To 11 1/4" In 56Min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.17	112.27	Initial Hydro-static
1	79.36	112.23	Open To Flow (1)
31	189.72	123.33	Shut-In(1)
79	535.66	122.53	End Shut-In(1)
79	213.54	121.26	Open To Flow (2)
126	324.49	124.39	Shut-In(2)
188	531.36	124.18	End Shut-In(2)
189	2003.50	124.88	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	Mud Gas Cut Oil 7%G 84%O 9%M	0.46
240.00	Cln Gasy Oil 12% 88%O	2.00
60.00	Mud Gas Cut Oil 3%G 86%O 11%M	0.88
0.00	478 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**4/24s/21w Hodgman KS**

3118 Cummings RD  
Garden City KS 67846

**Tom Diane #1-4**

Job Ticket: 47727

**DST#: 1**

ATTN: Harley Sayles

Test Start: 2012.04.17 @ 16:40:07

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

22 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	Mud Gas Cut Oil 7%G 84%O 9%M	0.463
240.00	Cln Gasy Oil 12% 88%O	1.996
60.00	Mud Gas Cut Oil 3%G 86%O 11%M	0.877
0.00	478 GIP	0.000

Total Length: 363.00 ft

Total Volume: 3.336 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

