



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: \_\_\_\_\_



1155386

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Dianne 2-20
Doc ID	1155386

Tops

Name	Top	Datum
Anhydrite	1494	790
Heebner	3756	-1472
Lansing	3799	-1515
Base Kansas City	4130	-1846
Pawnee	4216	-1932
Ft. Scott	4294	-2010
Cherokee	4311	-2027
Mississippian	4378	-2094
TD	4403	-2119



Services, Inc.

CHARGE TO: A-11  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET  
 No 24402

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. 11-2-1	712	Drone	Ness	KS		4-11-13	
2. 11-2-1	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3. 11-2-1	WELL TYPE	WELL CATEGORY	JOB PURPOSE				
4. REFERRAL LOCATION	D-1	Drilling	Surface				
INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE 1112	20				6.00	120.00
2765		1			Drone Charge Shell on Surface	1	1000			1000.00	1000.00
240		1			D.A.	2	40			35.00	70.00
278		2			Calson Airlock	4	40			40.00	160.00
274		2			Bealair bel	3	25			25.00	75.00
325		1			Standard Lemeni	150	50			13.50	2025.00
581		2			Service Charge Lemeni	150	50			2.00	300.00
581		2			Drillage	4	50			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

DATE SIGNED: 4/17/13  
 TIME SIGNED: 11:15 AM

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

<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	
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 SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE?	UNDECIDED DISAGREE AGREE
PAGE TOTAL	4000.00
TAX	
TOTAL	

Thank You!

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

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

**JOB LOG**

**SWIFT Services, Inc.**

DATE 4/27/13 PAGE NO.

CUSTOMER **AWI** WELL NO. **2-20** LEASE **O. GAGE** JOB TYPE **Surface** TICKET NO. **24702**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1915							on location
								TD 210 IP 21934
	1940		5		✓			Start 11.0
	1945		30					Start cement
	1955				✓			Start 2.0
	2000		15		-			slow down
								circulate 25 strokes
	2045							Job completed Thank you Josh Simon Doug
								FROM AM. WARRIOR STOCK - GAS PLANT



Services, Inc.

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

TICKET NO 21278

PAGE 1 OF 2

SERVICE LOCATION: Amity KS WELLS/PROJECT NO: 2-20 LEASE: Dianne COUNTY: KS STATE: KS CITY: Bazine DATE: 3 May 13 OWNER: \_\_\_\_\_  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: \_\_\_\_\_  
 WELL TYPE: Discovery WELL CATEGORY: Discovery JOB PURPOSE: Development RIG NUMBER: 3 SHIPPED/DELIVERED TO: location ORDER NO.: \_\_\_\_\_  
 REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: Development WELL PERMIT NO.: \_\_\_\_\_ WELL LOCATION: 20-19-21

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 110	20	mi			6.00	120.00
578		1			Pump Charge	1	hr			1500.00	1500.00
402		1			Centralizer	5	in	5	in	70.00	350.00
403		1			Conent Bucket	5	in	2	oz	285.00	570.00
404		1			Pest Collar	5	in	1	oz	2650.00	2650.00
406		1			Latch down plug & bottle	5	in	1	oz	275.00	275.00
407		1			Insert float sleeve and fire	5	in	1	oz	375.00	375.00
419		1			Rotating head rental	5	in	1	oz	200.00	200.00

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 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 486  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6,040.00
WE UNDERSTOOD AND MET YOUR NEEDS?				537.75
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				11,277.75
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL

CUSTOMER AGENT NAME: \_\_\_\_\_ APPROVAL: \_\_\_\_\_  
 SWIFT OPERATOR: \_\_\_\_\_  
 Thank You!



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

TICKET CONTINUATION

TICKET No. 24275

CUSTOMER: *Wierman Uprior* WELL: *Dianne* DATE: *3 MAY 13* PAGE: *2* OF *2*

ITEM	QTY	UNIT	PRICE	TOTAL
STANDARD cement (case-2)	175	sk	141.00	24500.00
casual	800	lb	35.00	28000.00
SALT	900	lb	0.120	108.00
balnd - 302	185	lb	7.75	1433.75
Fluore	50	lb	2.00	1000.00
mud flush	500	gal	1.35	675.00
Rck Liquid	2	gal	25.00	50.00
D-air	2	gal	42.00	84.00
582	1		250.00	250.00
581	1		2.00	350.00
TOTAL WEIGHT		175		
LOADED MILES		175		
CUBIC FEET		104		
TON MILES				

523715

JOB LOG

SWIFT Services, Inc.

DATE 3/14/13 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 2-20 LEASE Dianne JOB TYPE Cement / long string TICKET NO. 24275

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA-2 w/ 1/2" Floale
								15.5" x 5 1/2" casing 4416' 104 jts
								TD 9403' Cent. 1, 2, 3, 4, 67 Basket 5, 68
								Port collar 68 1488'
	1000							on loc TRK 110
	1030							Start 5 1/2" x 15.5" casing in well
	1220							Drop ball - circulate - ROTATE
	1245	4 3/4	12				200	Pump 500 gal mud flush
		4 3/4	20				700	Pump 20 bbl KCL flush
			11					Plug RH-MH <del>305 sks</del> - 205 sks
	1250	4 3/4	32				200	Mix EA-2 cement <del>125 sks</del> @ 153 ppf
								Drop latch down plug
								wash out pump & line
	1305	6 3/4					200	Displace plug
		6 3/4	90				800	
	1330	6 3/4	104				1550	Land plug
								Return pressure to truck - dried up
	1335							wash truck
								Pack up
	1405							job complete
								Flint, Blaine & DAVE





Services, Inc.

CHARGE TO: AWJ  
 ADDRESS: AWJ  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
 No. **24411**

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Haggis</u>	<u>2-20</u>	<u>Oil &amp; Gas</u>	<u>Ness</u>	<u>Ks</u>		<u>5-10-13</u>	
2. <u>Ness City, Ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA (T)	DELIVERED TO Location	ORDER NO.	WELL LOCATION
	<u>Oil</u>						<u>Section 33, T15, R4, S300</u>
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE @ 112	20	mi.			6.00	120.00
576.0					Pump Charge	1	ea.			1500.00	1500.00
290					O.A.R.	1	gal			42.00	42.00
105					Port Collet Tool Rental w/Man	1	ea.			350.00	350.00
330					Swift Mult. Density	120	skt			17.00	2040.00
776					fluorel	50	lbs			2.00	100.00
581					Service Charge (cement)	175	skt			2.00	350.00
582					Diagnose	n/a				250.00	250.00

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

DATE SIGNED: 5-10-13 TIME SIGNED: 1400  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?  
 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?  
 CUSTOMER DID NOT WISH TO RESPOND

TOTAL: 4911.52

TAX: 7.5% 159.52

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: Don M APPROVAL: \_\_\_\_\_

Thank You!


**JOB LOG**

**SWIFT Services, Inc.**

DATE 5-10-13 PAGE NO. 1

CUSTOMER AWI WELL NO. 2-20 LEASE Dianne JOB TYPE Port Collar TICKET NO. 24411

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							on location
								PL @ 1488
	1440				✓		1000	Pressure test Hold
	1445	3			✓		100	open Port Collar Injection Gate
	1450							Start Cement
			52	✓				circulate cement
			5	✓				Bring weight up to 15# 25 sks
	1500		5	✓				start Displacement
	1515				✓		1000	Close Port Collar Pressure test
								Run 11 joints
	1520		25					Reverse out clean
								mixed 120 sks 20 sks to pit
								Job complete Thank You Josh, Brian, Bob



# Geologic Report

Drilling Time and Sample Log

Operator <b>American Warrior, Inc.</b>		KB Elevation 2284'
Lease <b>Dianne</b>	No. <b>2-20</b>	DF GL 2276'
API # <b>15-135-25407-0000</b>		Casing Record Surface 8 5/8" @ 219'
Field <b>Hinnergardt</b>		Production 5 1/2" @ 4402'
Location <b>2310' FNL &amp; 1600' FEL</b>		Electrical Surveys CNL/CDL, DIL
Sec. <b>20</b>	Twp. <b>19s</b>	Rge. <b>21w</b>
County <b>Ness</b>	State <b>Kansas</b>	

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite	1494' +790	1492' +792	+3
Base	1528' +756	1529' +755	+3
Heebner	3756' -1472	3755' -1471	+5
Lansing	3799' -1515	3801' -1517	+6
BKc	4130' -1846	4129' -1845	+7
Pawnee	4216' -1932	4217' -1933	+8
Fort Scott	4294' -2010	4293' -2009	+3
Cherokee	4311' -2027	4309' -2025	+5
Mississippian	4378' -2094	4380' -2096	+14
Total Depth	4403' -2119	4403' -2119	

Reference Well For Structural Comparison Chief Drilling & B&B Drilling Hinnergardt #1 E2 SW NE Sec. 20 T19s R21w Ness Co. Kansas

Drilling Contractor	Discovery Drilling Co. Inc.	Rig #3
Commenced	4-27-2013	Completed 5-3-2013
Samples Saved From	4000'	To RTD
Drilling Time Kept From	3700'	To RTD
Samples Examined From	4000'	To RTD
Geological Supervision From	4000'	To RTD

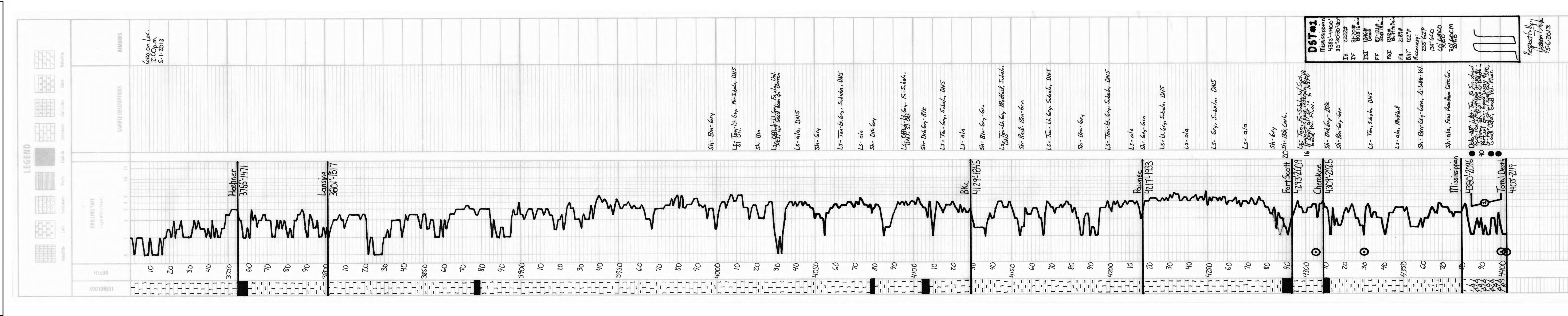
Displacement 3600' Mud Type Chemical

### Summary and Recommendations

The location for the Dianne #2-20 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 5 1/2 inch production casing to further evaluate the Dianne #2-20 well.

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.



# **Geological Report**

American Warrior, Inc.

**Dianne #2-20**

2310' FNL & 1600' FEL

Sec. 20 T19s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Dianne #2-20  
2310' FNL & 1600' FEL  
Sec. 20 T19s R21w  
Ness County, Kansas  
API # 15-135-25582-0000

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

Geologist: Jason T Alm

Spud Date: April 27, 2013

Completion Date: May 3, 2013

Elevation: 2276' Ground Level  
2284' Kelly Bushing

Directions: Bazine KS, from the intersection of Hwy 96 and Austin St. South 3 mi. to 100 Rd. East 1 mi. to EE Rd. 1 mi. South to 90 Rd. East ¾ mi. South into location.

Casing: 219' 8 5/8" surface casing  
4402' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: Pioneer Energy Services "Chris DeSaire"  
CNL/CDL, DIL

Drillstem Tests: One, Trilobite Testing, Inc. "Shane McBride"

Problems: None

Remarks: None

## Formation Tops

	<b>American Warrior, Inc.</b> <b>Dianne #2-20</b> <b>Sec. 20 T19s R21w</b> <b>2310' FNL &amp; 1600' FEL</b>
<b>Formation</b>	
Anhydrite	<b>1494', +790</b>
Base	<b>1528', +756</b>
Heebner	<b>3756', -1472</b>
Lansing	<b>3799', -1515</b>
BKc	<b>4130', -1846</b>
Pawnee	<b>4216', -1932</b>
Fort Scott	<b>4294', -2010</b>
Cherokee	<b>4311', -2027</b>
Mississippian	<b>4378', -2094</b>
RTD	<b>4403', -2119</b>
LTD	<b>4403', -2119</b>

## Sample Zone Descriptions

- Fort Scott (4294', -2010):**      **Not Tested**  
 Ls – Fine to sub-crystalline with scattered pinpoint and poor inter-crystalline porosity, very light spotted oil stain in porosity, no show of free oil, good yellow fluorescents, 16 units hotwire.
- Mississippian Osage (4378', -2094):**      **Covered in DST #1**  
 Dolo – Δ – Fine sucrosic crystalline with scattered poor to fair inter-crystalline and vuggy porosity, very heavy slightly triptolic chert, weathered in part with fair to good vuggy porosity, light to fair oil stain with spotted saturation, show of free oil, good odor, good yellow fluorescents, 40 units hotwire.

**Drill Stem Tests**  
 Trilobite Testing, Inc.  
 "Shane McBride"

**DST #1**

**Mississippian Osage**

Interval (4385' – 4400') Anchor Length 15'

IHP	– 2222 #	
IFP	– 30" – B.O.B. 16 min.	31-70 #
ISI	– 30" – Dead	1246 #
FFP	– 30" – B.O.B. 18 min.	87-121 #
FSI	– 30" – Built to ¼ in.	1242 #
FHP	– 2189 #	
BHT	– 122°F	

Recovery:	255' GIP	
	135' GCO	
	60' GMCO	50% Oil
	30' GOCM	20% Oil

**Structural Comparison**

	American Warrior, Inc. Dianne #2-20 Sec. 20 T19s R21w 2310' FNL & 1600' FEL	Chief Drilling & B&B Drilling Hinnergardt #1 Sec. 20 T19s R21w E2 SW NE		National Development Corp. Hinnergardt #1 Sec. 20 T19s R21w 1980' FNL & 660' FEL	
<b>Formation</b>					
Anhydrite	<b>1494', +790</b>	1493', +787	(+3)	1471', +769	(+21)
Base	<b>1528', +756</b>	1527', +753	(+3)	NA	NA
Heebner	<b>3756', -1472</b>	3757', -1477	(+5)	3742', -1502	(+30)
Lansing	<b>3799', -1515</b>	3801', -1521	(+6)	3786', -1546	(+31)
BKc	<b>4130', -1846</b>	4133', -1853	(+7)	NA	NA
Pawnee	<b>4216', -1932</b>	4220', -1940	(+8)	4205', -1965	(+33)
Fort Scott	<b>4294', -2010</b>	4293', -2013	(+3)	4278', -2038	(+28)
Cherokee	<b>4311', -2027</b>	4312', -2032	(+5)	4297', -2057	(+30)
Mississippian	<b>4378', -2094</b>	4388', -2108	(+14)	4367', -2127	(+33)

## Summary

The location for the Dianne #2-20 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 5 1/2 inch production casing to further evaluate the Dianne #2-20 well.

## Recommended Perforations

### Primary

**Mississippian Osage:** (4382' – 4400') **DST #1**

### Before Abandonment

**Fort Scott:** (4298' – 4302') **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

ATTN: Jason Alm

**Dianne #2-20**

**20-19s-21w Ness,KS**

Start Date: 2013.05.02 @ 17:45:45

End Date: 2013.05.03 @ 00:33:39

Job Ticket #: 49198                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.08 @ 16:56:49



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

**20-19s-21w Ness, KS**

**Dianne #2-20**

Job Ticket: 49198

**DST#: 1**

Test Start: 2013.05.02 @ 17:45:45

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:55:10

Time Test Ended: 00:33:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

**Interval: 4385.00 ft (KB) To 4400.00 ft (KB) (TVD)**

Reference Elevations: 2284.00 ft (KB)

Total Depth: 4400.00 ft (KB) (TVD)

2276.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8368 Outside**

Press @ Run Depth: 121.18 psig @ 4386.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.02

End Date:

2013.05.03

Last Calib.: 2013.05.03

Start Time: 17:45:45

End Time:

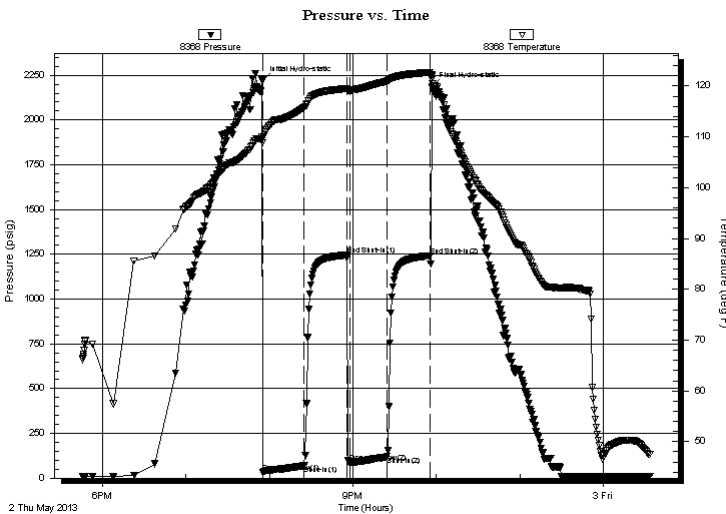
00:33:39

Time On Btm: 2013.05.02 @ 19:54:55

Time Off Btm: 2013.05.02 @ 21:56:55

**TEST COMMENT:** B.O.B. in 16 min.  
No return  
B.O.B. in 18 min.  
1/4" return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.31	110.05	Initial Hydro-static
1	31.87	108.84	Open To Flow (1)
31	69.80	115.80	Shut-In(1)
61	1246.35	119.51	End Shut-In(1)
63	87.72	119.17	Open To Flow (2)
90	121.18	120.98	Shut-In(2)
121	1241.93	122.69	End Shut-In(2)
122	2188.79	121.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	g o c m 20g 20o 60m	0.15
60.00	g m c o 20g 30m 50o	0.84
135.00	c g o 25g 75o	1.89
0.00	255' gas in pipe	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc

**20-19s-21w Ness, KS**

PO Box 399  
Garden City, KS

**Dianne #2-20**

Job Ticket: 49198

**DST#: 1**

ATTN: Jason Alm

Test Start: 2013.05.02 @ 17:45:45

## Tool Information

Drill Pipe:	Length: 4342.00 ft	Diameter: 3.80 inches	Volume: 60.91 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 61.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4385.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4359.00	
Shut In Tool	5.00			4364.00	
Hydraulic tool	5.00			4369.00	
Jars	5.00			4374.00	
Safety Joint	2.00			4376.00	
Packer	5.00			4381.00	27.00 Bottom Of Top Packer
Packer	4.00			4385.00	
Stubb	1.00			4386.00	
Recorder	0.00	6667	Inside	4386.00	
Recorder	0.00	8368	Outside	4386.00	
Perforations	9.00			4395.00	
Bullnose	5.00			4400.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc

**20-19s-21w Ness,KS**

PO Box 399  
Garden City, KS

**Dianne #2-20**

Job Ticket: 49198

**DST#: 1**

ATTN: Jason Alm

Test Start: 2013.05.02 @ 17:45:45

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	g o c m 20g 20o 60m	0.148
60.00	g m c o 20g 30m 50o	0.842
135.00	c g o 25g 75o	1.894
0.00	255' gas in pipe	0.000

Total Length: 225.00 ft

Total Volume: 2.884 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

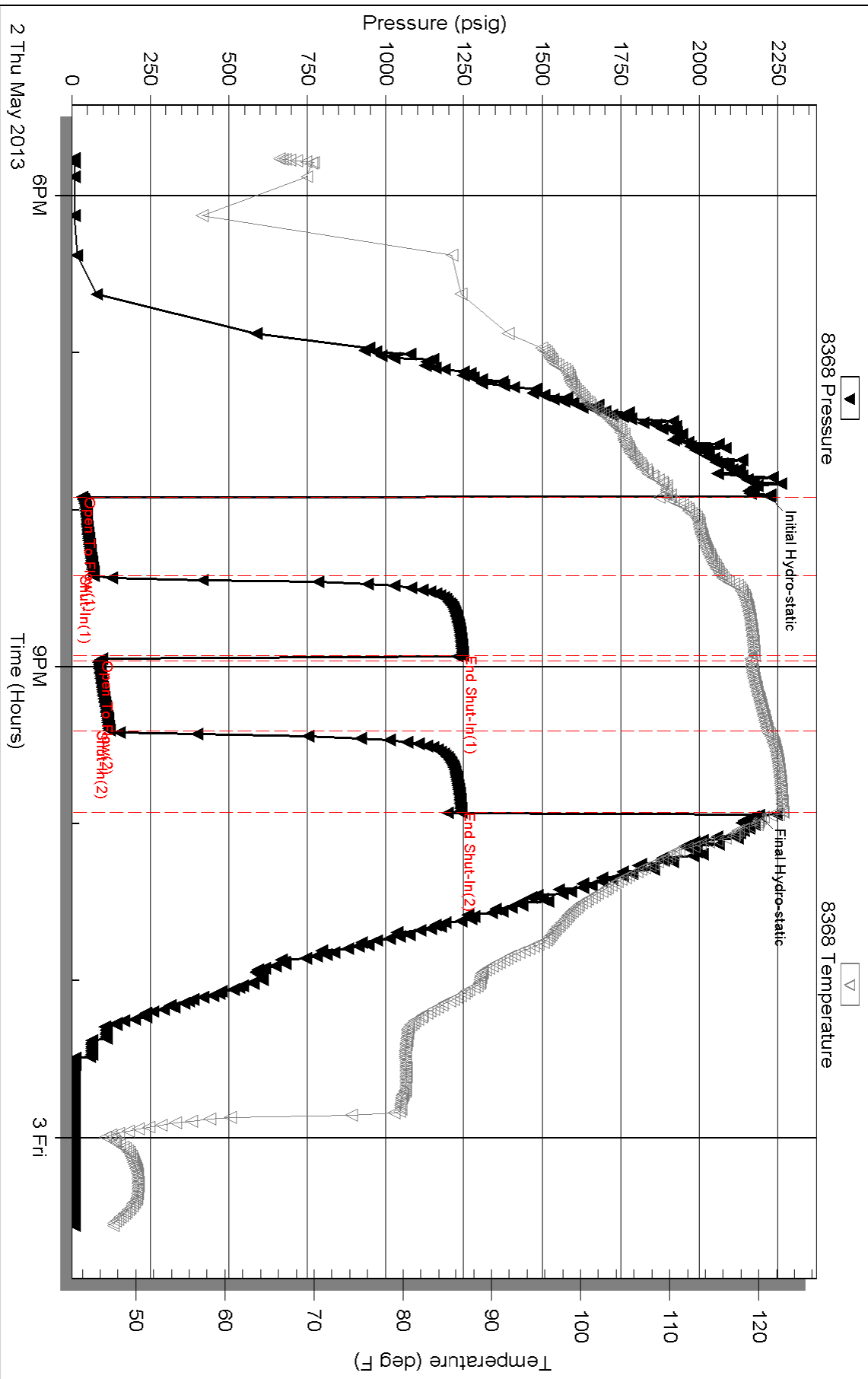
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



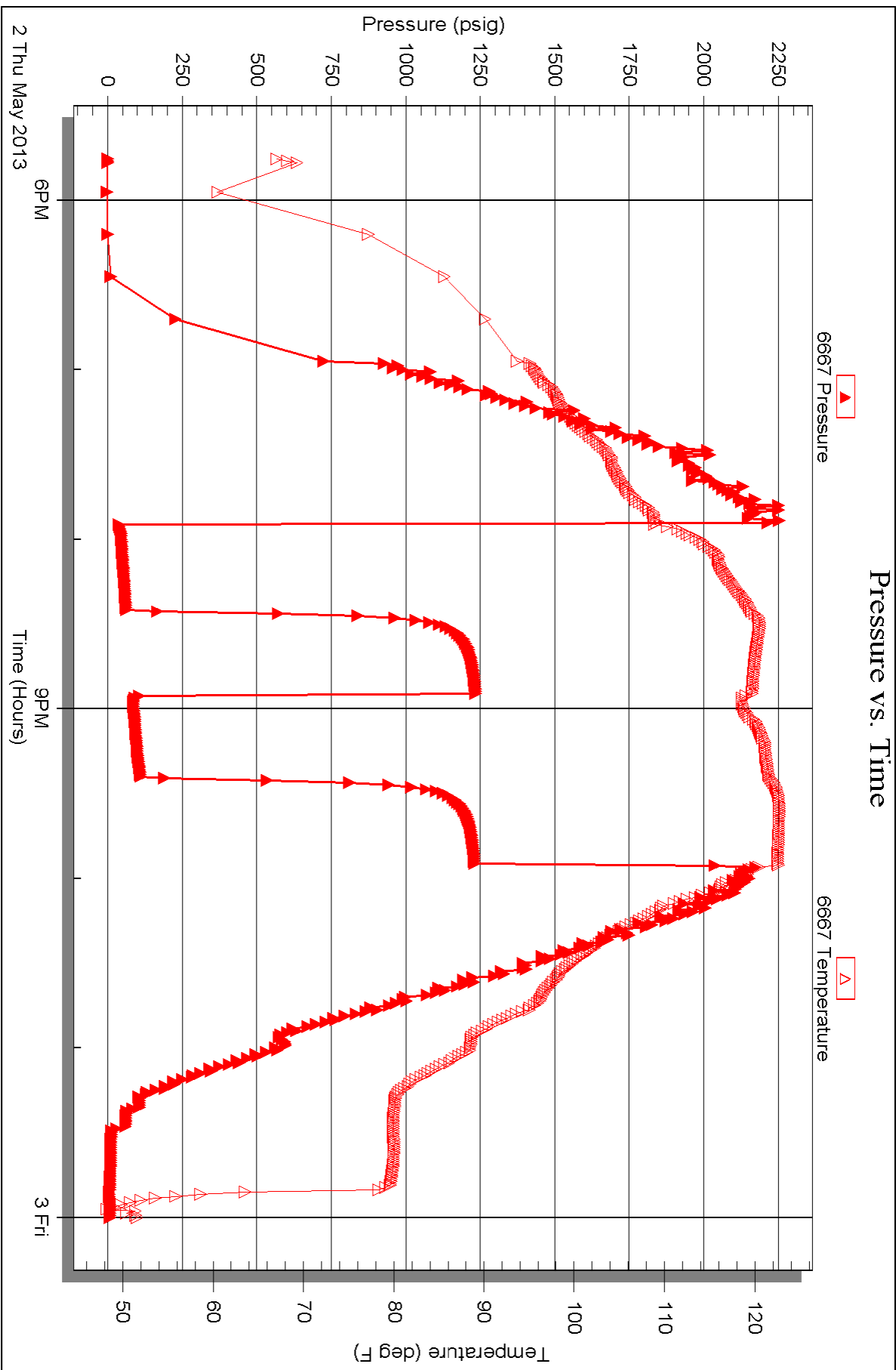
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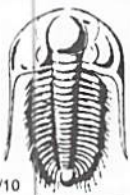
Inside

American Warrior Inc

Dianne #2-20

DST Test Number: 1





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49198

Well Name & No. Dianne #2-20 Test No. #1 Date 5/2/13  
 Company American Warrior Inc. Elevation 2284 KB 2276 GL  
 Address 3118 Cummings Rd P.O. Box 3996 Garden City, KS  
 Co. Rep / Geo. Jason Alm Rig Discovery #3  
 Location: Sec. 20 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4385 4400 Zone Tested M155  
 Anchor Length 15 Drill Pipe Run 4342 Mud Wt. 9.4  
 Top Packer Depth 4380 Drill Collars Run 30' (H-90) Vis 52  
 Bottom Packer Depth 4385 Wt. Pipe Run          WL 7.2  
 Total Depth 4400 Chlorides 6800 ppm System LCM #1

Blow Description B.O.B. in 14 min  
No return  
B.O.B. in 18 min  
1/4" in Return blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>135</u>	<u>C90</u>	<u>25</u>	<u>75</u>		
<u>60</u>	<u>gmco</u>	<u>20</u>	<u>50</u>		<u>30</u>
<u>30</u>	<u>goem</u>	<u>20</u>	<u>20</u>		<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>(255' GAS in P.P.C)</u>	%gas	%oil	%water	%mud
Rec Total <u>225</u>	BHT <u>123°</u>	Gravity <u>38</u>	API RW <u>        </u>	@ <u>        </u>	F Chlorides <u>        </u> ppm

(A) Initial Hydrostatic 2222  Test 1250 T-On Location 16:50  
 (B) First Initial Flow 31  Jars 250 T-Started 17:45  
 (C) First Final Flow 69  Safety Joint 75 T-Open 19:55  
 (D) Initial Shut-In 1246  Circ Sub N/C T-Pulled 21:55  
 (E) Second Initial Flow 87  Hourly Standby          T-Out 00:40  
 (F) Second Final Flow 121  Mileage 150 RT 116rt 179.80 Comments           
 (G) Final Shut-In 1241  Sampler           
 (H) Final Hydrostatic 2188  Straddle           Ruined Shale Packer           
 Shale Packer           Ruined Packer           
 Extra Packer           Extra Copies           
 Extra Recorder          Sub Total 0  
 Day Standby          Total 1754.80  
 Accessibility          MP/DST Disc't         

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 1754.80

Approved By [Signature] Our Representative [Signature]

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