

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

5/16/14

OPERATOR: License # 4058
Name: American Warrior Inc.
Address 1: P.O. Box 399
Address 2: _____
City: Garden City State: Ks. Zip: 67846 + _____
Contact Person: Jody Smith
Phone: (620) 272-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co.Inc.
Wellsite Geologist: Harley Sayles
Purchaser: Plains Marketing LP.

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 #: _____
3/13/12 3/19/12 5/9/12
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 083-21764-00 00
Spot Description: _____
SW SE NE SW Sec. 19 Twp. 23 S. R. 22 East West
1,529 Feet from North / South Line of Section
2,027 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Hodgeman
Lease Name: Craighead Well #: 3-19
Field Name: Lippoldt
Producing Formation: Mississippian
Elevation: Ground: 2355 Kelly Bushing: 2366
Total Depth: 4670' Plug Back Total Depth: 4641'
Amount of Surface Pipe Set and Cemented at: 222' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1483' Feet
If Alternate II completion, cement circulated from: 1483
feet depth to: Surface w/ 150sx sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 14,000 ppm Fluid volume: 50 bbls
Dewatering method used: Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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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.

Signature: _____
Title: Foreman Date: 5/10/12

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 5/16/12 - 5/16/14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 6-12-12

Operator Name: American Warrior Inc. Lease Name: Craighead Well #: 3-19
 Sec. 19 Twp. 23 S. R. 22 East West County: Hodgeman

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhy	1460	+906
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Anhy	1500'	+866
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3895'	-1529
List All E. Logs Run:		Lansing	3969'	-1603
Bond, Micro, Induction, Porosity and Sonic		Ft. Scott	4493'	-2127
		Cherokee	4518'	-2152
		Mississippian	4577'	-2211

CASING RECORD <input checked="" 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
Surface	121/4	85/8	23#	222'	Common	150sx	3%CC, 2%gel
Production	77/8	51/2	15.5'	4666'	EA-2	125sx	

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				

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
4	4594' to 4597'	500 gal 20 CHFE.	

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TUBING RECORD: Size: <u>23/8</u> Set At: <u>4639</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	KCC MAY 16 2012
Date of First, Resumed Production, SWD or ENHR. <u>NA</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>50</u> Gas Mcf <u>0</u> Water Bbls. <u>0</u> 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4594' to 4597'</u>
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CHARGE TO:
American Warrior, Inc.
 ADDRESS
 CITY, STATE, ZIP CODE

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TICKET
 No 21455

PAGE 1 OF 2

1. <i>Hays, Ks</i>	WELL/PROJECT NO. <i>3-19</i>	LEASE <i>Craghead</i>	COUNTY/PARISH <i>Hodgeman</i>	STATE <i>Ks</i>	CITY	DATE <i>3-21-12</i>	OWNER <i>2012</i>
2. <i>Ness City, Ks</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Duke</i>	RIG NAME/NO. <i>#5</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>SE / Jetmore, Ks</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>wildcat</i>	JOB PURPOSE <i>Cement Longstring</i>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
<i>575</i>		<i>1</i>			MILEAGE #113	<i>50</i>	<i>mi</i>	<i>600</i>		<i>30000</i>
<i>578</i>		<i>1</i>			Pump Charge - cement longstring	<i>1</i>	<i>ea</i>	<i>150000</i>	<i>ft.</i>	<i>150000</i>
<i>221</i>		<i>1</i>			Liquid KCL	<i>2</i>	<i>gal</i>	<i>2500</i>		<i>5000</i>
<i>281</i>		<i>1</i>			Mud Push	<i>500</i>	<i>gal</i>	<i>125</i>		<i>62500</i>
<i>290</i>		<i>1</i>			D-AIO	<i>2</i>	<i>gal</i>	<i>3500</i>		<i>7000</i>
<i>402</i>		<i>1</i>			Centralizers	<i>9</i>	<i>ea</i>	<i>7000</i>	<i>5 1/2 in</i>	<i>63000</i>
<i>403</i>		<i>1</i>			Cement Baskets	<i>2</i>	<i>ea</i>	<i>25000</i>	<i>5 1/2 in</i>	<i>50000</i>
<i>404</i>		<i>1</i>			Part Collar	<i>1</i>	<i>ea</i>	<i>240000</i>	<i>5 1/2 in</i>	<i>240000</i>
<i>406</i>		<i>1</i>			Latch Down Baffle & Plug	<i>1</i>	<i>ea</i>	<i>25000</i>	<i>5 1/2 in</i>	<i>25000</i>
<i>407</i>		<i>1</i>			Insert Float Shoe w/ Auto-fill	<i>1</i>	<i>ea</i>	<i>35000</i>	<i>5 1/2 in</i>	<i>35000</i>
<i>419</i>		<i>1</i>			Rotating Head Rental	<i>1</i>	<i>ea</i>	<i>20000</i>	<i>5 1/2 in</i>	<i>20000</i>

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 Miller*
 DATE SIGNED *3-21-12* TIME SIGNED *0400* 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	P.1 PAGE TOTAL	<i>6875.00</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P.2	<i>470940</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				sub total	<i>1158440</i>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Hodgeman TAX	<i>668.75</i>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<i>7.45%</i>	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	<i>12,253.15</i>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR *Ken Lemmon* APPROVAL

Thank You!



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

TICKET CONTINUATION

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TICKET No. 21455

CUSTOMER *AUST* WELL *3-19* DATE *3-21-12* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOG	ACCT	DF								
<i>325</i>		<i>2</i>				<i>Structural Cement EA 2</i>	<i>175</i>	<i>SKS</i>	<i>16450</i>	<i>lbs</i>	<i>13.50</i>	<i>2362.50</i>
<i>276</i>		<i>2</i>				<i>Flocele</i>	<i>44</i>	<i>lbs</i>			<i>2.00</i>	<i>88.00</i>
<i>283</i>		<i>2</i>				<i>Silt</i>	<i>875</i>	<i>lbs</i>			<i>.20</i>	<i>175.00</i>
<i>292</i>		<i>2</i>				<i>Helacel 322</i>	<i>124</i>	<i>lbs</i>			<i>7.75</i>	<i>961.00</i>
<i>284</i>		<i>2</i>				<i>Calseal</i>	<i>823</i>	<i>lbs</i>	<i>9</i>	<i>SK</i>	<i>35.00</i>	<i>288.00</i>
<i>581</i>		<i>2</i>				SERVICE CHARGE <i>Cement</i>			<i>175</i>	<i>SKS</i>	<i>2.00</i>	<i>350.00</i>
<i>583</i>		<i>2</i>				MILEAGE CHARGE	<i>183.16</i>	TOTAL WEIGHT	<i>57</i>	LOADED MILES	<i>757.90</i>	<i>457.90</i>

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CONTINUATION TOTAL *4709.40*

JOB LOG

SWIFT Services, Inc.

DATE 3-21-12 PAGE NO.

CUSTOMER AWI WELL NO. 3-19 LEASE Longhead JOB TYPE Cement Longstring TICKET NO. 21455

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	D315							TD 7670'
	D345							On location w/ Flat Equip Start 5 1/2" casing Insert Flat Shoe w/ Auto Fall L.D. Baffle - SJ-21' Cmt - 1-3-6-8-10-12-14-76-78 Cmt. Packed #2 - #77 P.C #77 @ 1445' Drop Ball 6 sts out
	D600							Fin run casing - Tag bottom L.H. Down
	D615							Start circ & Rotate casing - (Dress Manual)
	D645		8 6			2		Fin circ - Plug RT - 30 STS / MH 20 STS
		5	12				400	Pump 500 gal Mud Push
		6	20				400	Pump 20 BBL HCL Acid
		4 1/2					350	Start 12.5 STS Ed-2 cmt
		4	32				1000	Fin cmt - Wash out Pump Lines
		8 1/2					700	Drop LD-Plug - Start Displ
	D715		110 1/2				800/1500	Plug Down - Hold - Release & Hold Job Complete Wash up of Packer & TBS

Frank
Alan, Brian & Doug

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

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TICKET No 23655

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Wichita KS</u>	<u>3-19</u>	<u>Craighead</u>	<u>Hodgeman</u>	<u>KS</u>	<u>Houston</u>	<u>8 MAY 12</u>	
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.		<u>CO TOOLS</u>		<u>KT</u>	<u>location</u>		
4.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement post collar</u>	WELL PERMIT NO.	WELL LOCATION <u>19-23-22</u>		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE <u>TRK 114</u>	<u>40</u>	<u>mi</u>			<u>6.00</u>	<u>240.00</u>
576 D		1			<u>Pump Charge</u>	<u>1</u>	<u>ea</u>			<u>1250.00</u>	<u>1250.00</u>
330		1			<u>SMD cement</u>	<u>150</u>	<u>sk</u>			<u>16.50</u>	<u>2475.00</u>
276		1			<u>floccle</u>	<u>50</u>	<u>lb</u>			<u>2.00</u>	<u>100.00</u>
288		1			<u>sand</u>	<u>2</u>	<u>sk</u>			<u>22.00</u>	<u>44.00</u>
290		1			<u>D-AIR</u>	<u>2</u>	<u>gal</u>			<u>35.00</u>	<u>70.00</u>
104		1			<u>Port collar tool rental</u>	<u>1</u>	<u>ea</u>			<u>250.00</u>	<u>250.00</u>
581		1			<u>service charge</u>	<u>175</u>	<u>sk</u>			<u>2.00</u>	<u>350.00</u>
583		1			<u>Drayage</u>	<u>17416.25</u>	<u>lb</u>	<u>348.29</u>	<u>TM</u>	<u>1.00</u>	<u>348.29</u>

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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	<u>5127.29</u>
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	<u>5346.25</u>

Hodgeman
 TAX 7.45%
218.96

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 MAY 12 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 3-19 LEASE Craighead JOB TYPE cement port collar TICKET NO. 23655

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 SKS 2A-2 w/ 1/4 floode 2 3/8 x 5 1/2 Port collar @ 1483'
								plug set @ 3870 spot sand (3870 - 4 jts)
	1300							on loc TRK 114
	1320		5			1000	1000	fill hole - circ fluid to pit - close valve (test plug to 1000psi - hold)
	1325		7					spot sand - 2 bags
	1330							pull up to 1483'
	1425							open port collar
		2	3			500		inj. rate
	1430	3				400		mix 5MD cement @ 11.2 ppg
		3	7			400		fluid to surface
		3	82			600		cement to surface { 150 sks mixed } 20 top. pit
	1450	3	4 1/2			600		pump 4 1/2 bbl H2O flush
	1505							run in 5 jts
	1520		20					Reverse hole clean 2 cent flow
	1530							run down to wash sand
								wash truck
	1600		85					wash sand from plug
	1650							RACK UP pull tool
	1730							job complete

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Isaac, Blair & Dave

Geological Report

American Warrior Inc.
Craighead #3-19
1529' FSL & 2027' FWL
Sec. 19 T23s R22w
Hodgeman County, Kansas



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General Data

Well Data: American Warrior, Inc.
Craighead #3-19
1529' FSL & 2027' FWL
Sec. 19 T23s R22w
Hodgeman County, Kansas
API # 15-083-21764-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Harley Sayles

Spud Date: March 13, 2012

Completion Date: March 19, 2012

Elevation: 2355' Ground Level
2366' Kelly Bushing

Directions: Jetmore KS, 5.8 mi East 156 Hwy, then 4.2 mi
South on 224 Rd, East into location

Casing: 23# 8 5/8" surface casing @ 222, Allied ticket
#42419, 15.5# 5 1/2" production casing set @ 4673

Samples: 10' wet and dry, 3850' to RTD

Drilling Time: 3800' to RTD

Electric Logs: Dual Induction, Microresistivity, Dual
Compensated Porosity, Sonic

Drillstem Tests: Three, "Jason McLemore, Ray Schwager"

Problems: Unable to reach desired TD of 4700' (bit failed),
First and Second DSTs failed (packer failure)

Remarks: Shut in pressures were still building on chart

Formation Tops

Formation	American Warrior, Inc. Craighead #3-19 Sec. 9 T23s R22w 1529' FSL & 2027' FWL
Anhydrite	1460', +906
Base	1500', +866
Heebner	3895', -1529
Lansing	3969', -1603
Stark	4213', -1847
BKc	4327', -1961
Marmaton	4346', -1980
Pawnee	4434', -2068
Fort Scott	4493', -2127
Cherokee	4518', -2152
Mississippian	4577', -2211
Osage	4620', -2254
LTD	4674', -2308

Sample Zone Descriptions

Warsaw	(4577', -2211): Covered in DST #3
	Dolo- light gray to tan, fine to sub crystalline, sucrosic, poor to fair to good intercrystalline porosity, poor vuggy porosity, dense to friable slight to good show of free oil, good odor, bright yellow florescence, partial to complete saturation and stain, slightly glauconitic, 8 and 26 units hotwire
Osage	(4620', -2254): not tested
	Δ-Dolo-White to tan, very fine crystalline, good intercrystalline porosity, mostly chert in sample, white chert fresh, weak odor, barren

Drill Stem Tests
Trilobite Testing Inc.
 "Ray Schwager"

DST #3 **Mississippian Warsaw**

Interval (4535' - 4621') Anchor Length 86', tail pipe 53'

IHP	- 2239 #	
IFP	- 45" - 2" blow	34-78 #
ISI	- 45" - no blow back	1071 #
FFP	- 45" - 1/2" blow	87-112 #
FSIP	- 45" - no blow back	1003 #
FHP	- 2197 #	
BHT	- 118 °F	

Recovery: 5' CO
 65' GMO (5% Gas, 65% Oil, 30% Mud)
 120' HOGCM (5% Gas, 35% Oil, 10% Water, 50% Mud)

Structural Comparison

	American Warrior, Inc. Craighead #3-19 Sec. 9 T23s R22w 1529' FSL & 2027' FWL	Antares Oil Corporation Craighead #1 Sec. 9 T23s R22w 2310' FSL & 2310' FEL		Rex and Morris Drilling Co. Craghead #1 Sec. 9 T23s R22w 1980' FSL & 660' FWL	
Formation					
Anhydrite	1460', +906	1407', +905	(+1)	1455', +911	(-5)
Base	1500', +866	1446', +866	flat	1496', +870	(-4)
Heebner	3895', -1529	3853', -1541	(+12)	3896', -1530	(+1)
Lansing	3969', -1603	3924', -1612	(+9)	3969', -1603	flat
Stark	4213', -1847	4181', -1869	(+22)	4225', -1859	(+12)
BKc	4327', -1961	4292', -1980	(+21)	4335', -1969	(+8)
Marmaton	4346', -1980	4312', -2000	(+20)	4356', -1990	(+10)
Pawnee	4434', -2068	4401', -2089	(+21)	4447', -2081	(+13)
Fort Scott	4493', -2127	4460', -2148	(+21)	4506', -2140	(+13)
Cherokee	4518', -2152	4485', -2173	(+21)	4530', -2164	(+12)
Mississippian	4577', -2211	4536', -2224	(+13)	4582', -2216	(+5)
Osage	4620', -2254	4584', -2272	(+18)	not reached	N/A
LTD	4674', -2308				

Summary

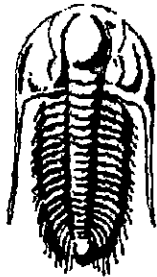
The location for the Craighead #3-19 well was found via 3-D seismic survey. The new well ran structurally as expected via the survey. The three drill stem tests were conducted, the third of which recovered commercial amounts of oil. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Craighead #3-19.

Recommended Perforations

Primary:		
Mississippian Warsaw	(4611' - 4618')	DST #3
Secondary:		
Mississippian Warsaw	(4594' - 4597')	DST #3
Before Abandonment:		
Mississippian Warsaw	(4585' - 4589')	DST #3

Respectfully Submitted,

Harley K. Sayles
American Warrior Inc.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Harley Sayles

Craighead #3-19

19-23s-22w Hodgeman,KS

Start Date: 2012.03.19 @ 06:28:09

End Date: 2012.03.19 @ 10:42:24

Job Ticket #: 46450 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CONFIDENTIAL
MAY 16 2014
KCC

Printed: 2012.03.20 @ 14:28:01

American Warrior, Inc.

19-23s-22w Hodgeman,KS

Craighead #3-19

DST # 1

Mississippiplan-Warsaw

2012.03.19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

19-23s-22w Hodgeman,KS

PO Box 399
Garden City, KS 67846

Craighead #3-19

Job Ticket: 46450

DST#: 1

ATTN: Harley Sayles

Test Start: 2012.03.19 @ 06:28:09

GENERAL INFORMATION:

Formation: **Mississippian-Warsaw**

Deviated: No Whipstock 0.00 ft (KB)

Time Tool Opened:

Time Test Ended: 10:42:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: **4575.00 ft (KB) To 4588.00 ft (KB) (TVD)**

Total Depth: 4588.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2366.00 ft (KB)

2355.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8366 Inside

Press@RunDepth: psig @ 4577.00 ft (KB)

Start Date: 2012.03.19

End Date:

2012.03.19

Capacity: 8000.00 psig

Last Calib.: 2012.03.19

Start Time: 06:28:11

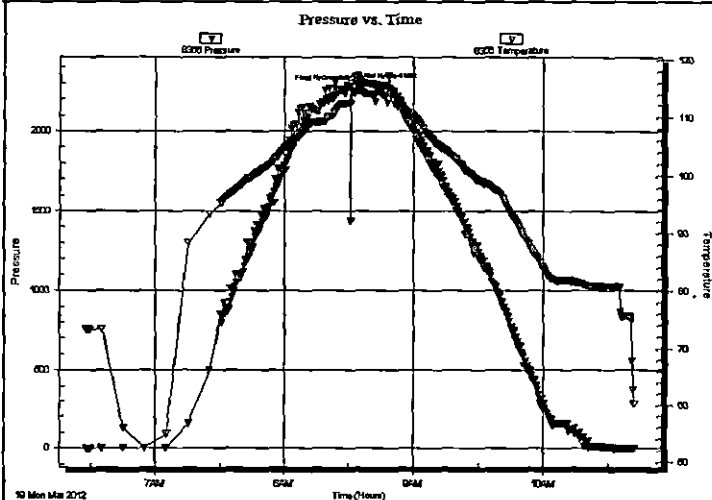
End Time:

10:42:24

Time On Btmr 2012.03.19 @ 08:30:39

Time Off Btmr 2012.03.19 @ 08:34:39

TEST COMMENT: IFP-Packer Failure, Pull Tool



PRESSURE SUMMARY

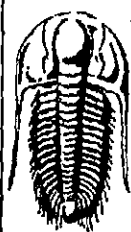
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.62	112.54	Initial Hydro-static
4	2262.35	116.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
320.00	Drilling Mud With Oil Spots in Tool	1.57

Gas Rates

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



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

19-23s-22w Hodgeman, KS

PO Box 399
Garden City, KS 67846

Craighead #3-19

Job Ticket: 46450

DST#: 1

ATTN: Harley Sayles

Test Start: 2012.03.19 @ 06:28:09

Tool Information

Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 84000.00 lb
			Total Volume: 61.05 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4575.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4548.00	
Shut In Tool	5.00			4553.00	
Hydraulic tool	5.00			4558.00	
Jars	5.00			4563.00	
Safety Joint	2.00			4565.00	
Packer	5.00			4570.00	28.00 Bottom Of Top Packer
Packer	5.00			4575.00	
Stubb	1.00			4576.00	
Perforations	1.00			4577.00	
Recorder	0.00	8366	Inside	4577.00	
Recorder	0.00	8289	Outside	4577.00	
Perforations	8.00			4585.00	
Bullnose	3.00			4588.00	13.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.
PO Box 399
Garden City, KS 67846

ATTN: Harley Sayles

19-23s-22w Hodgeman,KS
Craighead #3-19
Job Ticket: 46450 DST#: 1
Test Start: 2012.03.19 @ 06:28:09

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

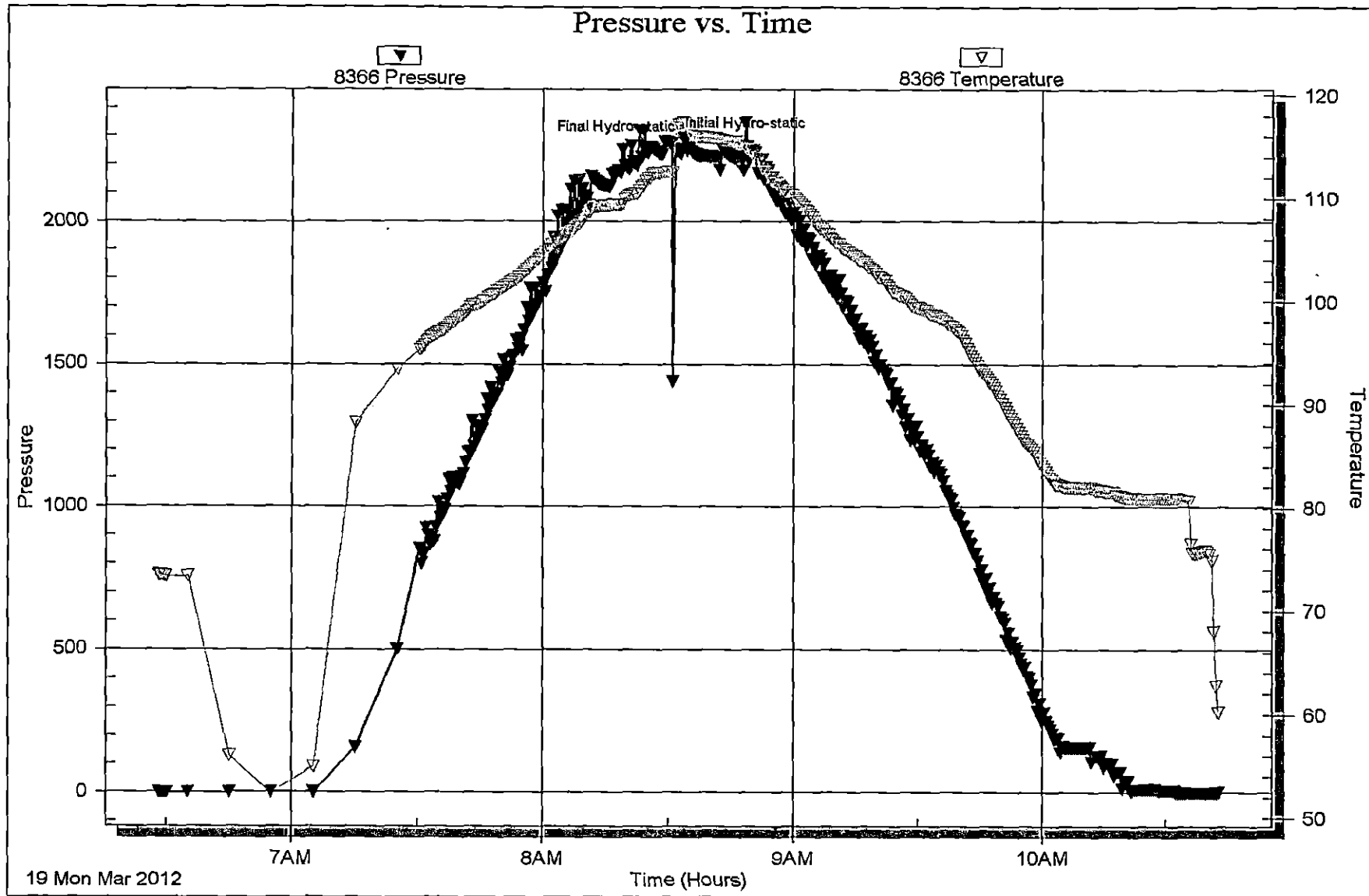
Length ft	Description	Volume bbl
320.00	Drilling Mud With Oil Spots in Tool	1.574

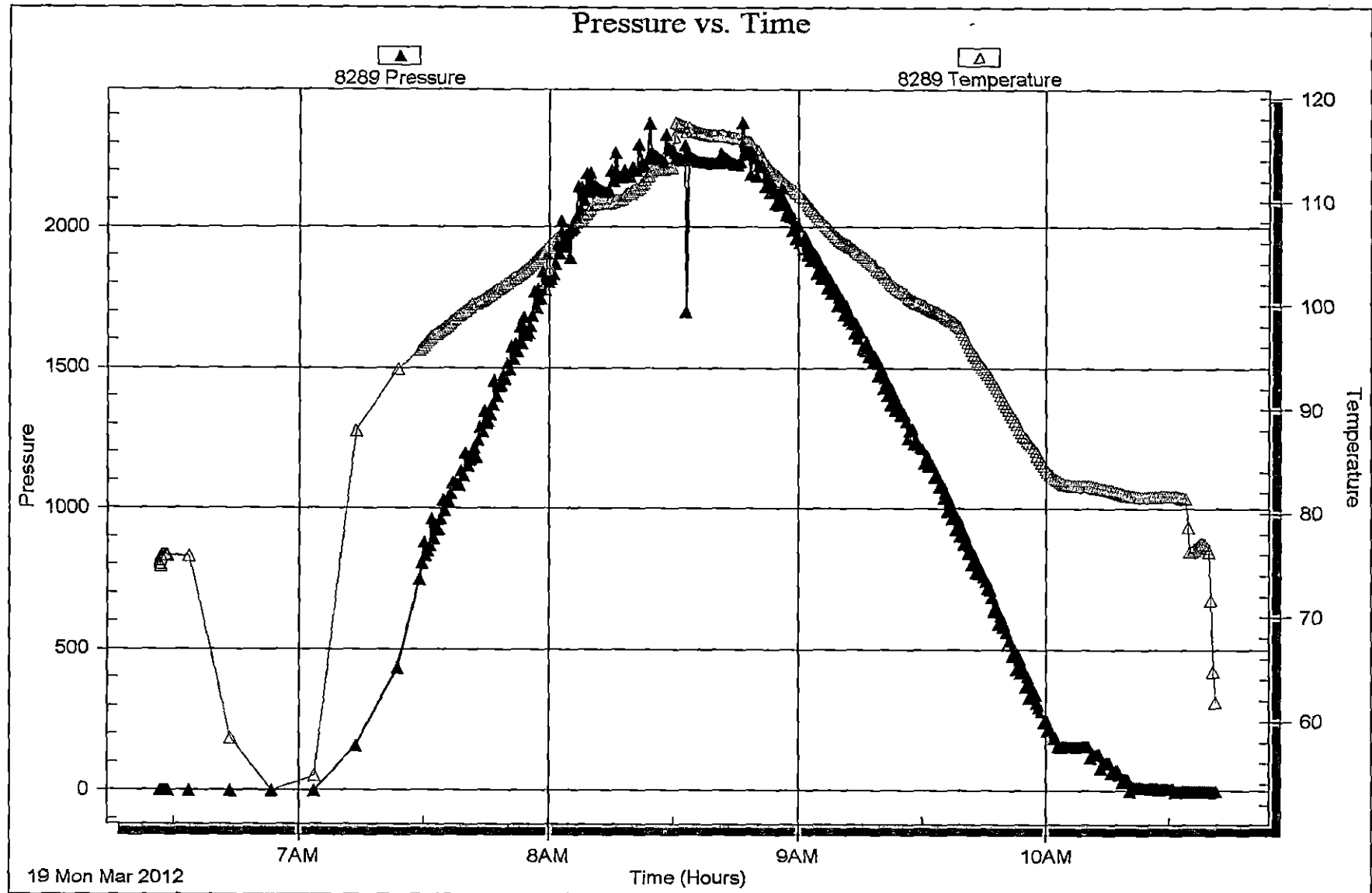
Total Length: 320.00 ft Total Volume: 1.574 bbl

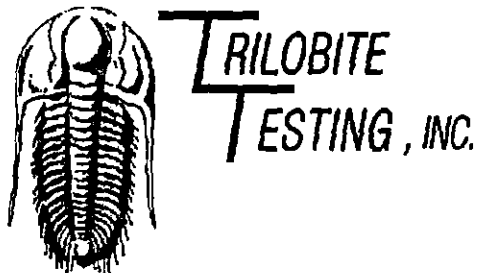
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Harley Sayles

Craighead #3-19

19-23s-22w Hodgeman,KS

Start Date: 2012.03.19 @ 10:59:41

End Date: 2012.03.19 @ 16:02:56

Job Ticket #: 47301 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior, Inc.

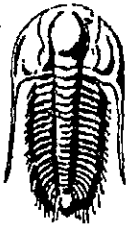
19-23s-22w Hodgeman,KS

Craighead #3-19

DST # 2

Mississippian-Warsaw

2012.03.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Harley Sayles

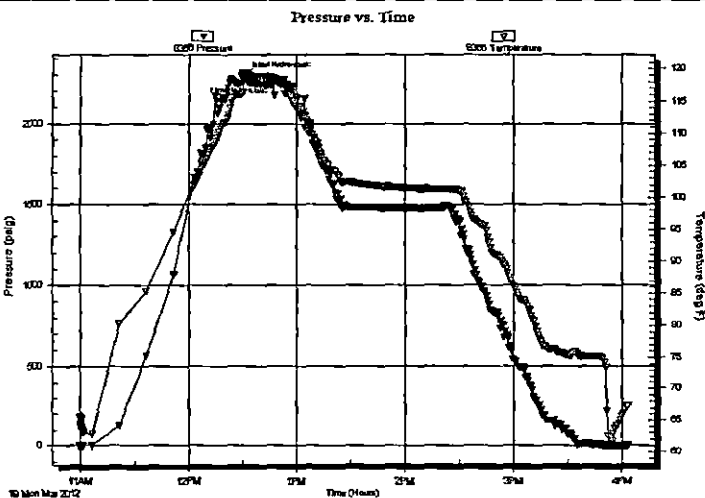
19-23s-22w Hodgeman, KS
Craighead #3-19
 Job Ticket: 47301 **DST#: 2**
 Test Start: 2012.03.19 @ 10:59:41

GENERAL INFORMATION:

Formation: **Mississippian-Warsaw**
 Deviated: No Whipstock 0.00 ft (KB)
 Time Tool Opened:
 Time Test Ended: 16:02:56
 Interval: **4572.00 ft (KB) To 4588.00 ft (KB) (TVD)**
 Total Depth: 4588.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2366.00 ft (KB)
 2355.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8366 **Inside**
 Press@RunDepth: psig @ 4577.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.19 End Date: 2012.03.19 Last Calib.: 2012.03.19
 Start Time: 10:59:43 End Time: 16:02:56 Time On Btrr: 2012.03.19 @ 12:31:41
 Time Off Btrr: 2012.03.19 @ 12:47:56

TEST COMMENT: IFR-Packer Failure, Pull Tool

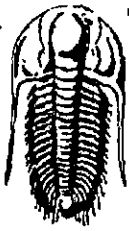


PRESSURE SUMMARY			
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2293.81	119.14	Initial Hydro-static
17	2272.32	118.55	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
320.00	Mud W/Oil Spots in Tool	1.57

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Harley Sayles

19-23s-22w Hodgeman, KS
Craighead #3-19
Job Ticket: 47301 **DST#: 2**
Test Start: 2012.03.19 @ 10:59:41

Tool Information

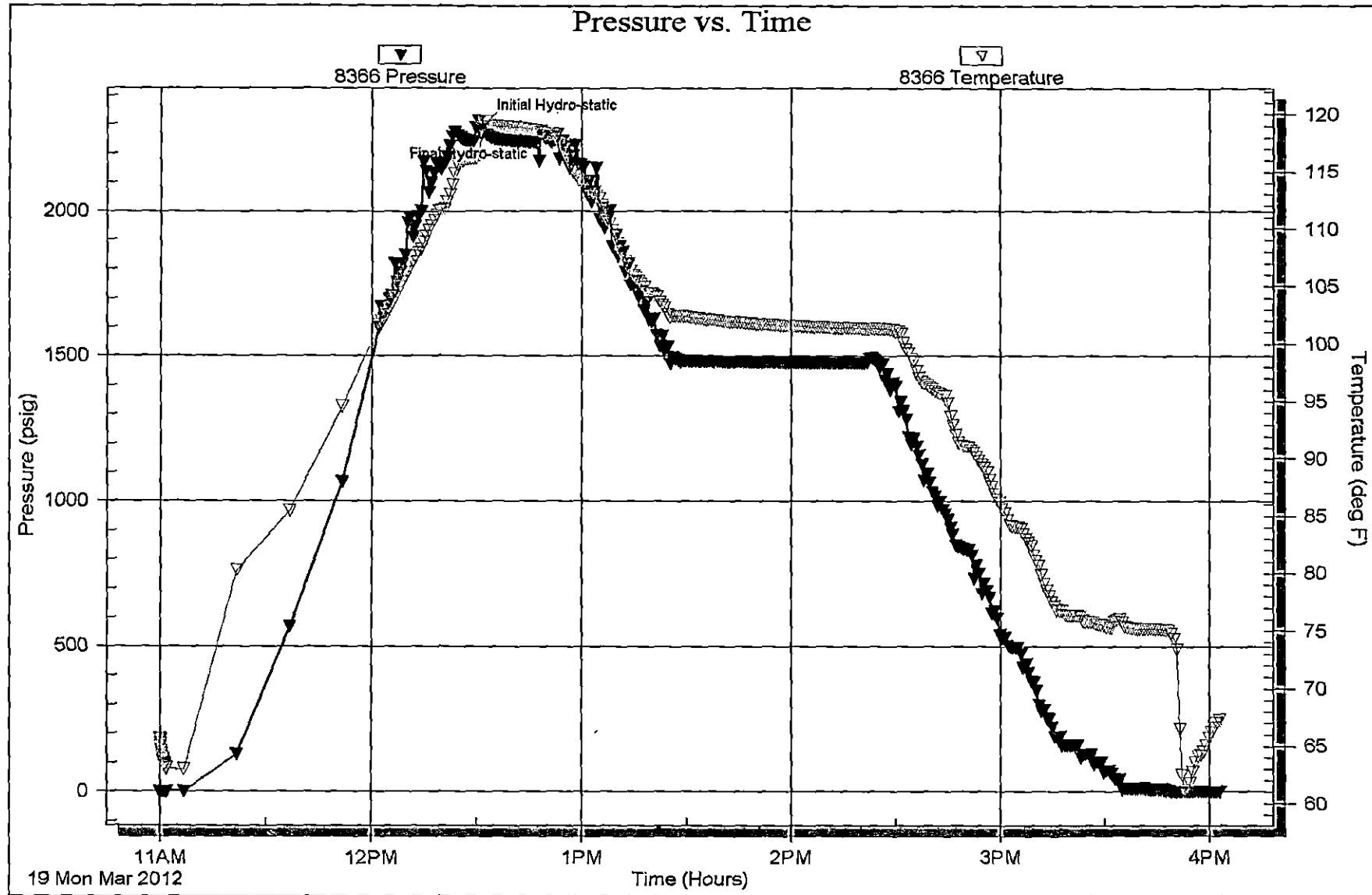
Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 61.05 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4572.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4545.00	
Shut In Tool	5.00			4550.00	
Hydraulic tool	5.00			4555.00	
Jars	5.00			4560.00	
Safety Joint	2.00			4562.00	
Packer	5.00			4567.00	28.00 Bottom Of Top Packer
Packer	5.00			4572.00	
Stubb	1.00			4573.00	
Perforations	4.00			4577.00	
Recorder	0.00	8366	Inside	4577.00	
Recorder	0.00	8289	Outside	4577.00	
Perforations	8.00			4585.00	
Bullnose	3.00			4588.00	16.00 Bottom Packers & Anchor

Total Tool Length: 44.00

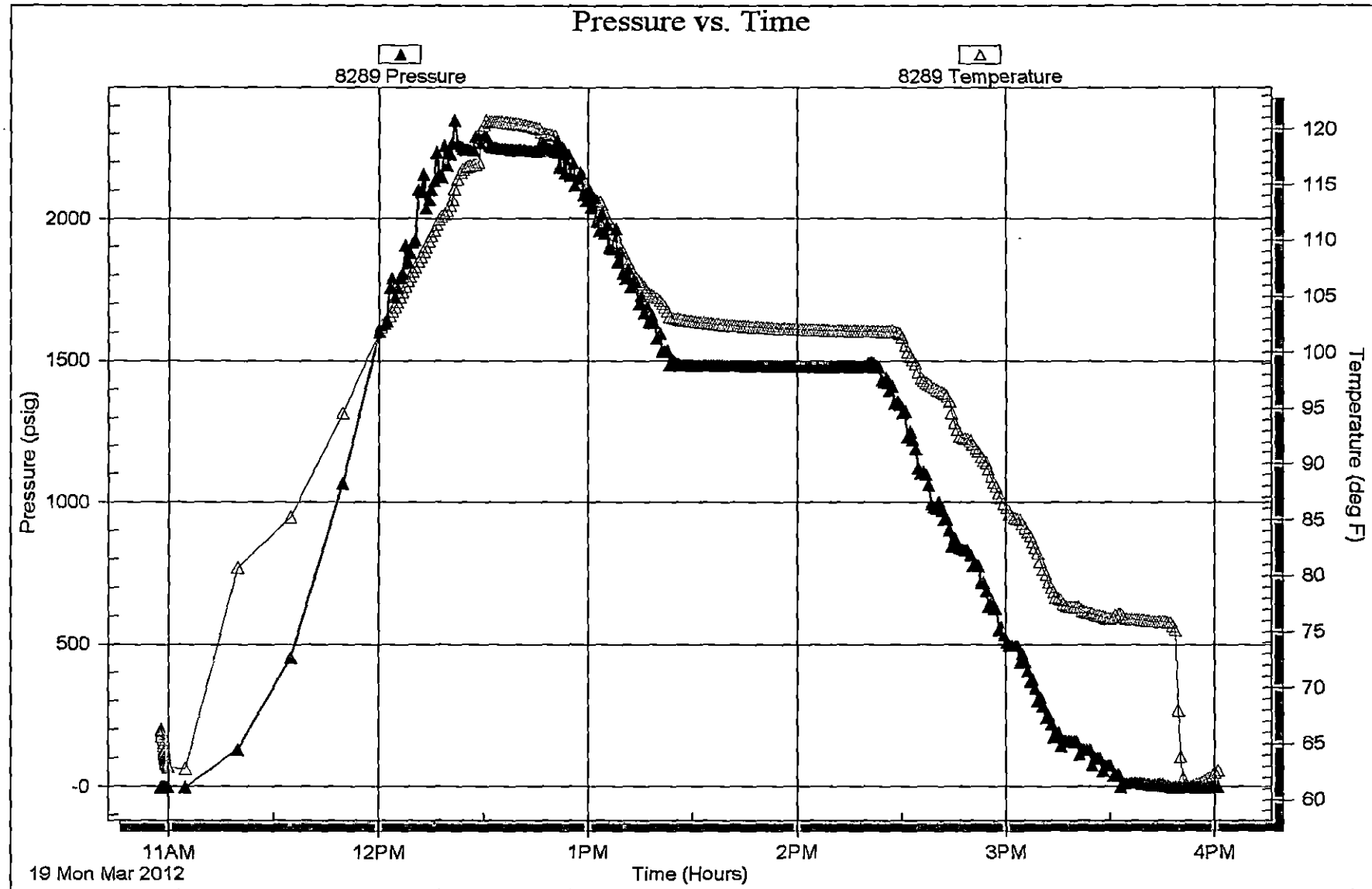


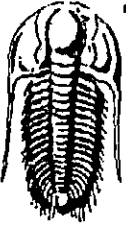
Serial #: 8289

Outside American Warrior, Inc.

Craighead #3-19

DST Test Number: 2





**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Harley Sayles

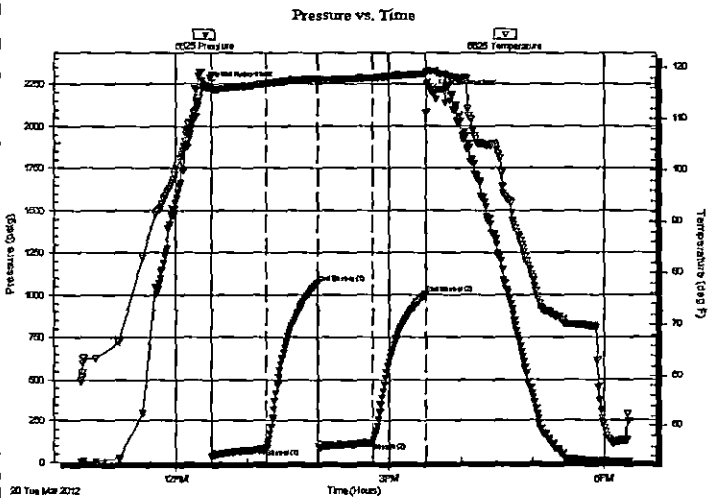
19-23s-22w Hodgeman, KS
Craighead #3-19
Job Ticket: 46272 DST#: 3
Test Start: 2012.03.20 @ 10:40:20

GENERAL INFORMATION:

Formation: Miss
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 12:30:15
Time Test Ended: 18:21:14
Interval: 4535.00 ft (KB) To 4621.00 ft (KB) (TVD)
Total Depth: 4674.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 2366.00 ft (KB)
2355.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6625 Inside
Press@RunDepth: 112.54 psig @ 4545.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.03.20 End Date: 2012.03.20 Last Calib.: 2012.03.20
Start Time: 10:40:20 End Time: 18:21:14 Time On Btrr: 2012.03.20 @ 12:26:45
Time Off Btrr: 2012.03.20 @ 15:35:44

TEST COMMENT: 45-IFP-w k bl 1/2" to 2" bl
45-ISIP-no bl
45-FFP-surface bl
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.10	116.09	Initial Hydro-static
4	34.93	115.82	Open To Flow (1)
50	78.71	116.79	Shut-In(1)
93	1071.46	117.78	End Shut-In(1)
94	87.09	117.54	Open To Flow (2)
139	112.54	117.94	Shut-In(2)
184	1002.98	118.71	End Shut-In(2)
189	2197.30	119.23	Final Hydro-static

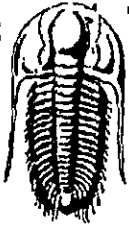
Recovery

Length (ft)	Description	Volume (bbl)
5.00	CO	0.02
65.00	MGO 5%G30%M65%O	0.32
120.00	HO&GCM 5%G10%W35%O50%M	0.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

19-23s-22w Hodgeman, KS

PO Box 399
Garden City, KS 67846

Craighead #3-19

Job Ticket: 46272

DST#: 3

ATTN: Harley Sayles

Test Start: 2012.03.20 @ 10:40:20

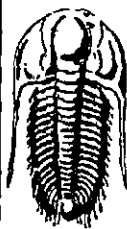
Tool Information

Drill Pipe:	Length: 4207.00 ft	Diameter: 3.80 inches	Volume: 59.01 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 60.63 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4535.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	4621.00 ft			
Interval between Packers:	86.00 ft			
Tool Length:	171.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4508.00	
Shut In Tool	5.00			4513.00	
Hydraulic tool	5.00			4518.00	
Jars	5.00			4523.00	
Safety Joint	2.00			4525.00	
Packer	5.00			4530.00	28.00 Bottom Of Top Packer
Packer	5.00			4535.00	
Stubb	1.00			4536.00	
Perforations	9.00			4545.00	
Recorder	0.00	6625	Inside	4545.00	
Recorder	0.00	8700	Outside	4545.00	
Blank Spacing	63.00			4608.00	
Perforations	9.00			4617.00	
Blank Off Sub	1.00			4618.00	
Blank Spacing	3.00			4621.00	86.00 Tool Interval
Packer	5.00			4626.00	
Stubb	1.00			4627.00	
Perforations	16.00			4643.00	
Recorder	0.00	8374	Below	4643.00	
Blank Spacing	32.00			4675.00	
Bullnose	3.00			4678.00	57.00 Bottom Packers & Anchor

Total Tool Length: 171.00



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

19-23s-22w Hodgeman, KS

PO Box 399
Garden City, KS 67846

Craighead #3-19

Job Ticket: 46272

DST#: 3

ATTN: Harley Sayles

Test Start: 2012.03.20 @ 10:40:20

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	CO	0.025
65.00	MGO 5%G30%M65%O	0.320
120.00	HO&GCM 5%G10%W35%O50%M	0.590

Total Length: 190.00 ft Total Volume: 0.935 bbl

Num Fluid Samples: 0

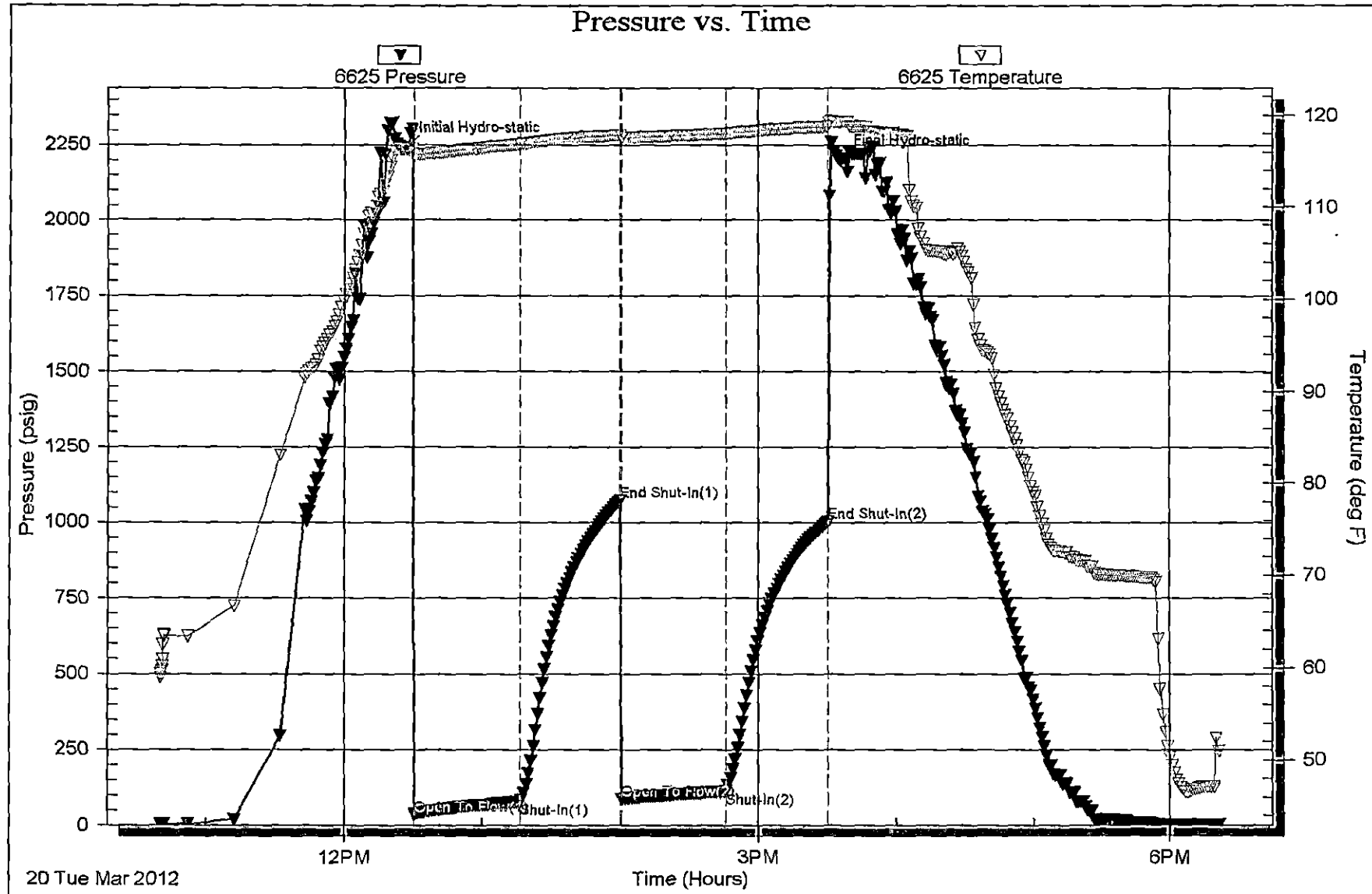
Num Gas Bombs: 0

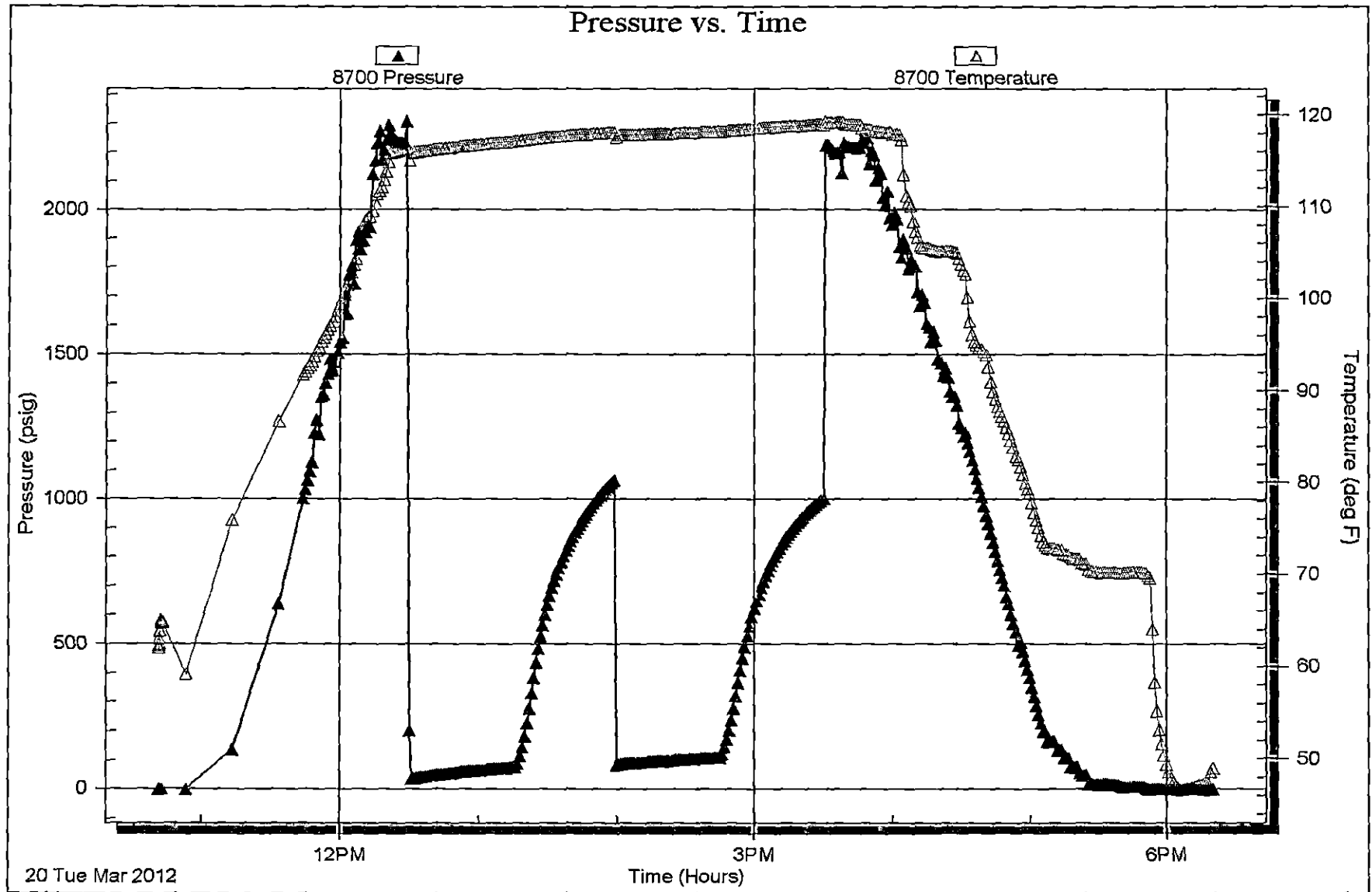
Serial #:

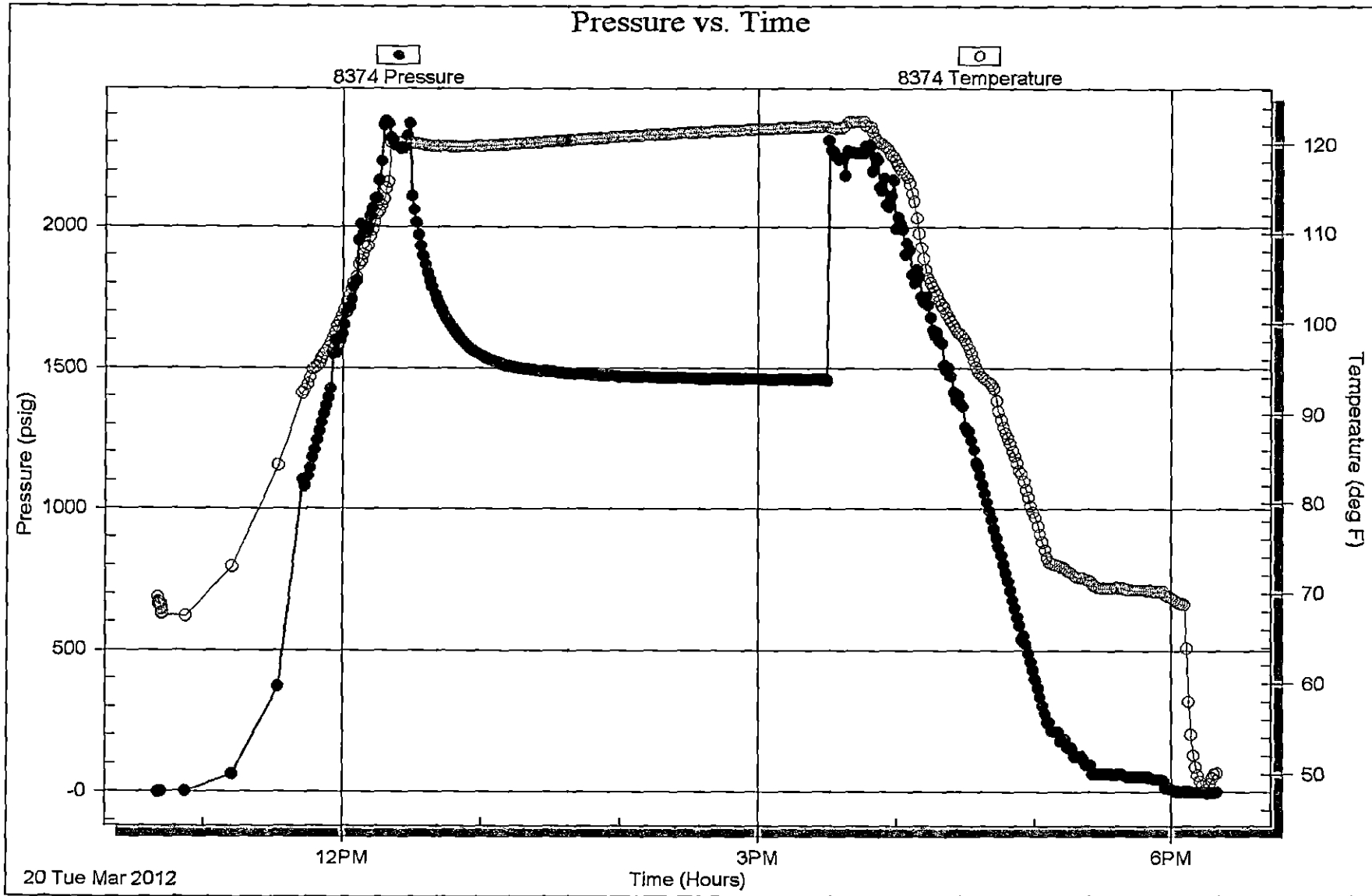
Laboratory Name:

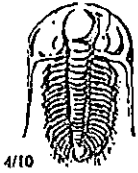
Laboratory Location:

Recovery Comments:









TRILOBITE TESTING INC.

P.O. Box 1738 • Hays, Kansas 67601

RECEIVED
MAR 20 2012

Test Ticket

NO. 46450

Well Name & No. Craighead #3-19 Test No. 1 Date 3-19-12
 Company American Warrior, Inc. Elevation 2366 KB 2355 GL
 Address PO Box 399, Garden City, Ks. 67846
 Co. Rep / Geo. Harley Sayles Rig Duke #5
 Location: Sec. 19 Twp. 23s Rge. 22w Co. Hodgeman State KS

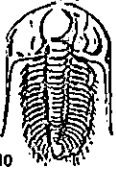
Interval Tested 4575-4588 Zone Tested Mississippian (Warsaw)
 Anchor Length 13 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 4370 Drill Collars Run 330 Vis 54
 Bottom Packer Depth 4375 Wt. Pipe Run 0 WL 8.8
 Total Depth 4588 Chlorides 4,500 ppm System LCM 1#
 Blow Description IFP- Packer Failure, Pull Tool
FSI
FFP
FSI

Rec	Feet of	%gas	%oil	%water	%mud
320	Mud w/oil spots in tool				

Rec Total 320 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2275 Test 1025 T-On Location 5:25
 (B) First Initial Flow [Crossed out] Jars 250 T-Started 6:26
 (C) First Final Flow [Crossed out] Safety Joint 75 T-Open 8:30
 (D) Initial Shut-In [Crossed out] Circ Sub _____ T-Pulled 8:45 **RECEIVED**
 (E) Second Initial Flow [Crossed out] Hourly Standby _____ T-Out 10:41
 (F) Second Final Flow [Crossed out] Mileage 180 rt 252 Comments MAY 16 2012
 (G) Final Shut-In [Crossed out] Sampler _____ KCC WICHITA
 (H) Final Hydrostatic 2262 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Extra Packer _____ Extra Copies _____
 Initial Open _____ Extra Recorder _____ Sub Total 320
 Initial Shut-In _____ Day Standby _____ Total 1922
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1602

Approved By _____ Our Representative Cara McJannet *Thank you*
 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 its 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVE Test Ticket

MAR 20 2012

No. 47301

Well Name & No. Craighead #3-19 Test No. 2 Date 3-19-12
 Company American Warrior, Inc. Elevation 2366 KB 2355 GL
 Address PO Box 399, Garden City, KS. 67846
 Co. Rep/Geo. Harley Sayles Rig Duke #5
 Location: Sec. 19 Twp. 23s Rge. 22w Co. Hodgeman State KS

Interval Tested 4572 - 4588 Zone Tested Mississippi
 Anchor Length 16' Drill Pipe Run 4237 Mud Wt. 9.3
 Top Packer Depth 4567 Drill Collars Run 330 Vis 57
 Bottom Packer Depth 4572 Wt. Pipe Run 0 WL 8.8
 Total Depth 4588 Chlorides 4,500 ppm System LCM 1#
 Blow Description I/FP - Packer Failure, Pull Tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>320</u>	<u>Drilling Mud (w/oil systs</u>				
	<u>in Test Tool)</u>				

Rec Total 320 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2299 Test 1025' T-On Location 10:41
 (B) First Initial Flow _____ Jars 250' T-Started 10:57
 (C) First Final Flow _____ Safety Joint 75' T-Open 12:30
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 12:45
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 16:02
 (F) Second Final Flow _____ Mileage _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2272 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1350'

Initial Open _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____

Comments _____
 Sub Total 0
 Total 1350'
 MP/DST Disc't _____

RECEIVED

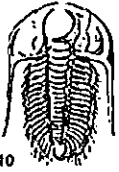
MAY 16 2012

KCC WICHITA

Approved By _____

Our Representative Jason McLanor Thank you

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 its 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.



TRILLOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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MAR 21 2012

Test Ticket

NO. 46272

Well Name & No. Craighead 3-19 BY: _____ Test No. 3 Date 3-20-12
 Company AMERICAN WARRIOR TAC Elevation 2366 KB 2355 GL _____
 Address PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. HARLEY SAYLES Rig Duke r195
 Location: Sec. 19 Twp. 23^s Rge. 22^w Co. Hodgeman State Ks

Interval Tested 4535-4621 Zone Tested MISS
 Anchor Length 86 Drill Pipe Run 4207 Mud Wt. 9.3
 Top Packer Depth 4535-4530 Drill Collars Run 330 Vis 49
 Bottom Packer Depth 4621 Wt. Pipe Run — WL 9.2
 Total Depth 4674 Chlorides 5500 ppm System LCM 1#
 Blow Description IFP - Weak Blow 1/2" to 2" Blow
ISIP - NO Blow
FFP - SURFACE Blow
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>CO</u>	<u>5</u>			
<u>65</u>	<u>MGO</u>	<u>5</u>	<u>65</u>		<u>30</u>
<u>120</u>	<u>HO + GCM</u>	<u>5</u>	<u>35</u>	<u>10</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 190 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2239 Test 1225' T-On Location 0900
 (B) First Initial Flow 34 Jars 250' T-Started 1040
 (C) First Final Flow 78 Safety Joint 75" T-Open 1225
 (D) Initial Shut-In 1071 Circ Sub _____ T-Pulled 1525
 (E) Second Initial Flow 87 Hourly Standby _____ T-Out 182 **RECEIVED**
 (F) Second Final Flow 112 Mileage 166 RT 232.40 Comments _____ **MAY 16 2012**
 (G) Final Shut-In 1002 Sampler _____ **KCC WICHITA**
 (H) Final Hydrostatic 2197 Straddle 1000 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2382.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2382.40

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By [Signature] Our Representative RAY SCHWAGER Thank you

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