



KANSAS CORPORATION COMMISSION 1093980
OIL & GAS CONSERVATION DIVISION

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 # 4058
Name: American Warrior, Inc.
Address 1: 3118 Cummings Rd
Address 2: PO BOX 399
City: GARDEN CITY State: KS Zip: 67846 +
Contact Person: Joe Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kevin Timson
Purchaser: Plains

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 #: _____

<u>07/02/2012</u>	<u>07/10/2012</u>	<u>08/23/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-083-21806-00-00

Spot Description: _____

SE NW NW SE Sec. 7 Twp. 23 S. R. 22 East West
2238 Feet from North / South Line of Section
2000 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Hodgeman

Lease Name: Korf Well #: 5-7

Field Name: _____

Producing Formation: Mississippian

Elevation: Ground: 2255 Kelly Bushing: 2266

Total Depth: 4516 Plug Back Total Depth: 4516

Amount of Surface Pipe Set and Cemented at: 1020 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: 15000 ppm Fluid volume: 60 bbls

Dewatering method used: Evaporated

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: Deanna Gombor Date: 09/19/2012



1093980

Operator Name: American Warrior, Inc. Lease Name: Korf Well #: 5-7
 Sec. 7 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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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	12.250	8.625	24	1020	60/40 Class A	550	3%CC,2%gel
Production	7.875	5.50	15.5	4507	EA-2	125	

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: 2.375 Set At: 4507 Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. 09/10/2012 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls. <u>14</u>	Gas Mcf <u>0</u>	Water Bbls. <u>5</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 checked="" type="checkbox"/> Open Hole <input 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>4507' to 4516'</u>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Korf 5-7
Doc ID	1093980

Tops

Heebner	3797'	-1531
Lansing	3839'	-1573
Stark	4115'	-1849
B/KC	4220'	-1954
Marmaton	4242'	-1979
Pawnee	4328'	-2062
Ft. Scott	4390'	-2124
Cherokee	4416'	-2150
Mississippian	4466'	-2200



CHARGE TO <i>American Warrior</i>
ADDRESS
CITY, STATE, ZIP CODE

TICKET
No 23140

PAGE 1	OF 2
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1. SERVICE LOCATIONS <i>Assn City KS</i>	WELL/PROJECT NO. <i>5-7</i>	LEASE <i>Korf</i>	COUNTY/PARISH <i>Hodgeman</i>	STATE <i>KS</i>	CITY <i>Jetmore</i>	DATE <i>10 Jul 12</i>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>DUEZ</i>		RIG NAME/NO. <i>9</i>	SHIPPED <i>NET</i>	DELIVERED TO <i>location</i>	ORDER NO.	
3. WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Cement log string</i>	WELL PERMIT NO.	WELL LOCATION <i>7-23-22W</i>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
575		1			MILEAGE TRK 114	40	mi		6.00	240.00
578		1			Pump Charge	1	ea		1500.00	1500.00
402		1			Centralizer	53	in	9	ea	630.00
403		1			Cement Basket	52	in	1	ea	250.00
405		1			Packer shoe	52	in	1	ea	1400.00
406		1			Latch down plug & baffle	52	in	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

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 1	4270.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	5352.75
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	9622.75
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Hodgeman TAX 7.45%	533.89
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10,156.64
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR *Abg hill*

APPROVAL _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 23140

CUSTOMER American Warrior WELL KDRF 5-7 DATE 10 Jul 12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT	
		LOC	ACCT	DP									
325		1				Standard Cement	175	sk			13.50	2362.50	
284		1				calseal	800	lb	8	sk	35.00	280.00	
283		1				salt	900	lb			0.20	180.00	
292		1				halad-322	125	lb			7.75	968.75	
276		r				Flocele	50	00			2.00	100.00	
281		1				mud flush	500	gal			1.25	625.00	
221		1				KCH liquid	2	gal			25.00	50.00	
290						D-AIR	2	gal			35.00	70.00	
581		1				SERVICE CHARGE	175				2.00	350.00	
583		1				TOTAL WEIGHT	14875		LOADED MILES	40	TON MILES	366.5	366.50

CONTRACT TOTAL 5352.75

JOB LOG

SWIFT Services, Inc.

DATE Jun 12 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 5-7 LEASE KORF JOB TYPE Cement long string TICKET NO. 23140

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/1/4" floater
								5 1/2" 5.5" casing shot 30' 107jts
								LTD 4573' RND 4516' set @ 4506'
								Cont 1, 2, 3 5 6 7 8 9, 10 Probet 4
								jts out #408-113
	0130							on loc TRK 1A
	0300							start 5 1/2" 5.5" casing in well
	0510							circulate well
	0550						1200	Drop goldemball - set packer shoe
	0605	4 3/4	12				200	Pump 500gal mud flush
		4 3/4					200	Pump 20 lobl KCL flash
	0610		7					Plug RH - MH 305sk -205sk
	0614	4 3/4	35				200	Mix 2A-2 cement 125sk e 15.3 ppg
	0625							Drop latch down plug
								wash out pump & line
	0630	6 3/4					200	Displace plug
		6 3/4	90				250	
	0630	6 3/4	107				1580	Land plug
								Release pressure to truck - dried up
	0655							wash truck
								Rack up
	0720							job complete
								Thanks
								TJ DAVE & BONE

ALLIED OIL & GAS SERVICES, LLC 053639

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend, KS

DATE <u>7-3-12</u>	SEC. <u>7</u>	TWP. <u>23</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30</u>	JOB FINISH <u>4:30</u>
LEASE <u>KoF</u>		WELL # <u>5-7</u>		LOCATION <u>Hansburg KS 4w 2 1/2 S</u>		COUNTY <u>Hodgeman</u>	STATE <u>Kansas</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>Winto</u>			

CONTRACTOR Duke Drilling Rig #9
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4" T.D.
 CASING SIZE 4 5/8" DEPTH 1020.10
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 39.73 ft
 PERFS. _____
 DISPLACEMENT 62.44 bbls Freshwater

OWNER _____
 CEMENT
 AMOUNT ORDERED 350sk 60/40 61.9el
34.66 1/4 flt
200sk class A 34.6 27.9el
 COMMON 200 @ 16.25 3250.00
 POZMIX _____ @ _____
 GEL 4 @ 21.25 85.00
 CHLORIDE 18 @ 58.20 1047.60
 ASC _____ @ _____
350sk 60/40+6% @ 14.50 5075.00
1100sk 87 @ 2.70 2970.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 581 @ 2.10 1221.00
 MILEAGE 25.22 x 35 @ 2.35 593.27
 TOTAL 12,988.87

EQUIPMENT
 PUMP TRUCK CEMENTER Dustin L
 # 366 HELPER Kevin E
 BULK TRUCK
 # 544-198 DRIVER Joc M
 BULK TRUCK
 # 492-291 DRIVER Vince P

REMARKS:

See cement log
Plug Down 4:00 pm

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

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME A Emigdio Rojas
 SIGNATURE A Emigdio Rojas
Thank You!!

SERVICE

DEPTH OF JOB 1020.00 / 1020
 PUMP TRUCK CHARGE 1125.00
 EXTRA FOOTAGE 520 @ .95 494.00
 MILEAGE Hum 35 @ 7.00 245.00
 MANIFOLD _____ @ _____
Hum 35 @ 4.00 140.00
 _____ @ _____
 TOTAL 2004.00

PLUG & FLOAT EQUIPMENT

1 Rubber plug @ 112.00 112.00
1 Buffer plug @ 112.00 112.00
 _____ @ _____
 _____ @ _____
 TOTAL 224.00

SALES TAX (If Any) _____
 TOTAL CHARGES 15,216.67
 DISCOUNT 25% 3,804.15
11,412.52 IF PAID IN 30 DAYS

Geological Report

American Warrior, Inc.

Korf #5-7

2238' FSL & 2000' FEL

Sec. 7, T23s, R22w

Hodgeman County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Korf #5-7
2238' FSL & 2000' FEL
Sec. 7, T23s, R22w
Hodgeman County, Kansas
API # 15-083-21806-0000

Drilling Contractor: Duke Drilling Co. Rig #9

Geologist: Kevin Timson

Spud Date: July 2, 2012

Completion Date: July 10, 2012

Elevation 2253' Ground Level
2266' Kelly Bushing

Directions: From the NW side of Hanston, KS at the intersection of Hwy 156 and Bazine Rd North. Now go 4 miles SW on Hwy 156. Now go 1.4 miles South on 225 Rd to NE corner of section. Now go .6 miles South on 225 Rd and West into location.

Casing: #24 8 5/8" Surface casing set @ 1020 with 350 sacks 60/40 and 200 sacks class A, 6% gel, 3% c.c, 1/4 flo & 3% c.c, 2% gel. #15.5 5 1/2" Production casing set @ 4514 with 125 sacks EA-2.

Samples: 3750' to RTD 10' wet and dry,

Drilling Time: 3600' to RTD

Electric Logs: Pioneer "J. Long" Micro-stack

Drillstem Tests: One Trilobite Testing "Gary Pevoteaux"

Remarks: None

Formation Tops

Formation
Anhydrite
Base
Heebner
Lansing
Stark
BKC
Marmaton
Pawnee
Fort Scott
Cherokee
Mississippian
RTD

American Warrior, Inc.

Korf #5-7

Sec. 7, T23s, R22w

2238' FSL & 2000' FEL

NA

NA

3797' -1531

3839' -1573

4115' -1849

4220' -1954

4242' -1979

4328' -2062

4390' -2124

4416' -2150

4466' -2200

4516' -2250

Drill Stem Tests
 Trilobite Testing Inc.
 "Gary Pevoteaux"

DST #1

Mississippian Warsaw

Interval (4486' - 4495') Anchor Length 9'

IHP - 2235 #
 IFP - 45" - Weak to fair blow. Slow increase to 6". 20-83 #
 ISI - 45" - No Blow 1395 #
 FFP - 45" - Weak to fair blow. Slow increase to 89-116 #
 FSIP - 45" - No Blow 1377 #
 FHP - 2195 #
 BHT - 126 ° F

Recovery: 180' GIP
 225' GCO (95% oil, 5% gas)
 60' SMCGO (80% oil, 10% gas, 10% mud)

Structural Comparison

Formation	American Warrior, Inc.	
	Korf #5-7 Sec. 7, T23s, R22w 2238' FSL & 2000' FEL	Korf #3-7 Sec. 7, T23s, R22w 1600' FSL & 1542' FEL
Anhydrite	1369' +897	1364' +900
Base	1415' +851	1402' +862
Heebner	3797' -1531	3805' -1541
Lansing	3864' -1598	3872' -1608
Stark	4115' -1849	4118' -1854
BKC	4220' -1954	4229' -1965
Marmaton	4242' -1979	4248' -1984
Pawnee	4328' -2062	4340' -2076
Fort Scott	4390' -2124	4398' -2134
Cherokee	4416' -2150	4424' -2160
Mississippian	4466' -2200	4478' -2214

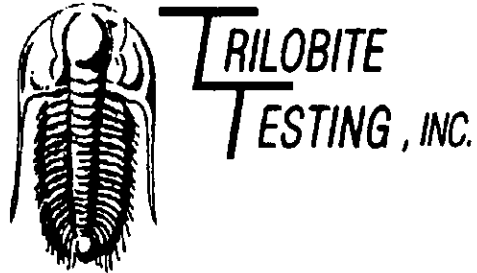
Summary

The location for the Korf #5-7 well 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 positive. After all the gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Korf #5-7 well.

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Harley Sayles

Korf #5-7

7-23s-22w Hodgeman,KS

Start Date: 2012.07.08 @ 16:31:26

End Date: 2012.07.09 @ 00:50:11

Job Ticket #: 47578 DST #: 1

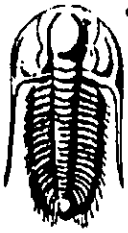
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.18 @ 10:46:59

American Warrior Inc. 7-23s-22w Hodgeman,KS Korf #5-7 DST # 1 Miss. Warsaw 2012.07.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

7-23s-22w Hodgeman, KS
Korf #5-7
Job Ticket: 47578 DST#: 1
Test Start: 2012.07.08 @ 16:31:26

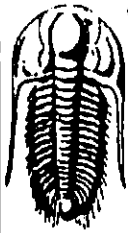
Tool Information

Drill Pipe:	Length: 4294.00 ft	Diameter: 3.80 inches	Volume: 60.23 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 61.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4486.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4459.00	
Shut in tool	5.00			4464.00	
HMV	5.00			4469.00	
Jars	5.00			4474.00	
Safety Joint	3.00			4477.00	
Packer	4.00			4481.00	28.00 Bottom Of Top Packer
Packer	5.00			4486.00	
Stubb	1.00			4487.00	
Recorder	0.00	8370	Inside	4487.00	
Recorder	0.00	8352	Outside	4487.00	
Perforations	3.00			4490.00	
Bullnose	5.00			4495.00	9.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-23s-22w Hodgeman, KS
Korf #5-7
Job Ticket: 47578 DST#: 1
Test Start: 2012.07.08 @ 16:31:26

Mud and Cushion Information

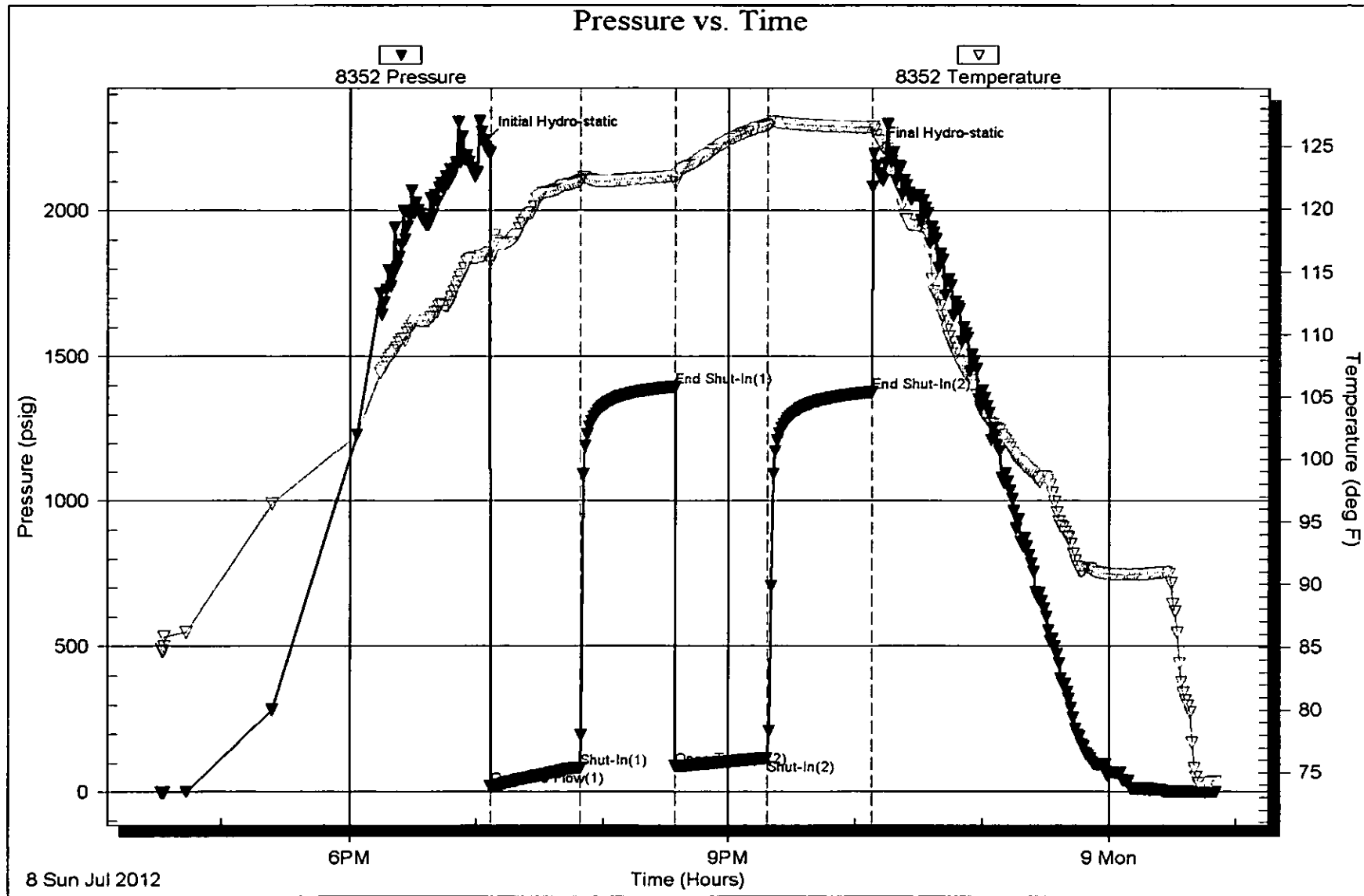
Mud Type:	Gel Chem	Cushion Type:		Oil API:	38.1 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	3400 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	11.58 in ³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3400.00 ppm				
Filter Cake:	0.20 inches				

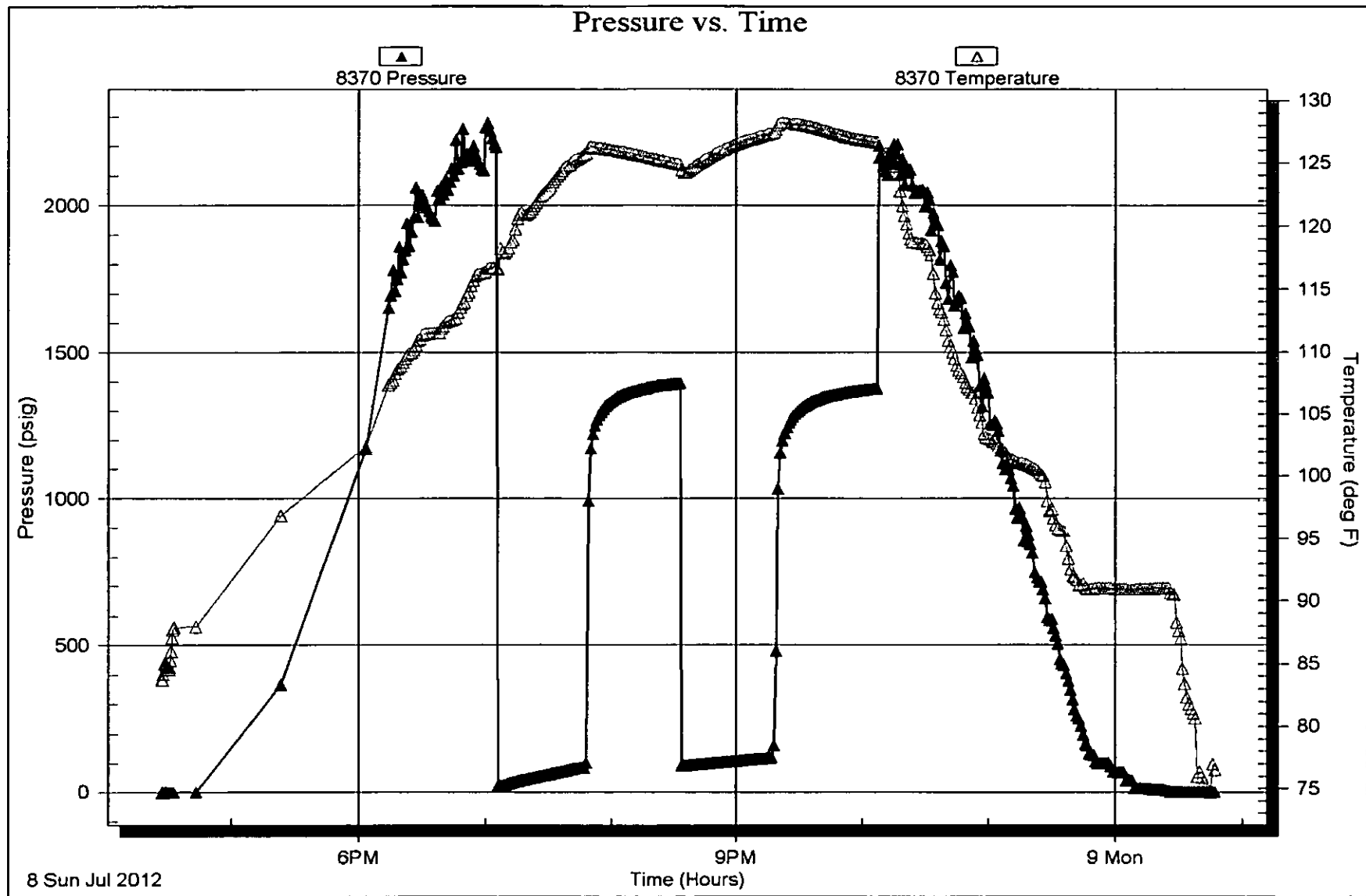
Recovery Information

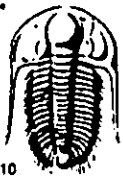
Recovery Table

Length ft	Description	Volume bbbl
60.00	WMC,GO 10%m 10%g 80%o	0.295
225.00	CGO 5%g 95%o	2.017
0.00	180 ft.of GIP	0.000

Total Length: 285.00 ft Total Volume: 2.312 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47578

Well Name & No. KOZE # 5-7 Test No. 1 Date 7-8-12
 Company AMERICAN WARRIOR INC. Elevation 2266' KB 2253' GL
 Address 310 CUMMINGS RD. P.O. Box 399, GARDEN CITY KS. 67846
 Co. Rep / Geo. HARLEY SAYLES Rig DUKE DRIG. #9
 Location: Sec. 7 Twp. 23S Rge. 22W Co. HODGEMAN State KS.

Interval Tested 4486 - 4495' Zone Tested MISS. WARRSAW
 Anchor Length 9' Drill Pipe Run 4294' Mud Wt. 9.3
 Top Packer Depth 4481' Drill Collars Run 185' Vis 50
 Bottom Packer Depth 4486' Wt. Pipe Run 0 WL 11.6cc
 Total Depth 4495' Chlorides 3400 ppm System LCM 0
 Blow Description FF: Weak to fair blow. Slow increase to 6". ISI, No blow

FF: Weak to fair blow. Slow increase to 6". FSI, No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>Gas in pipe</u>				
<u>225</u>	<u>CGO</u>	<u>5</u>	<u>95</u>		
<u>60</u>	<u>SMC, GO</u>	<u>10</u>	<u>80</u>		<u>10</u>

Rec Total 285 Fluid BHT 126° Gravity 38.1 API RW N.C. @ — ° F Chlorides 3400 ppm

(A) Initial Hydrostatic 2235 Test _____ T-On Location 1544
 (B) First Initial Flow 20 Jars 250 T-Started 1631
 (C) First Final Flow 83 Safety Joint 75 T-Open 1906
 (D) Initial Shut-In 1395 Circ Sub _____ T-Pulled 2208
 (E) Second Initial Flow 89 Hourly Standby _____ T-Out 0050
 (F) Second Final Flow 116 Mileage (196) 303.80 Comments _____
 (G) Final Shut-In 1377 Sampler _____
 (H) Final Hydrostatic 2195 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1878.80
 Accessibility _____ MP/DST Disc't _____

Sub Total 1878.80

Approved By _____ Our Representative Way P...

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