



KANSAS CORPORATION COMMISSION 1048367
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: Scott Corsair
Phone: (785) 398-2270
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Jason Alm
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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>06/19/2010</u>	<u>06/26/2010</u>	<u>08/22/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25080-00-00

Spot Description: _____
W2_NE_NE_SW Sec. 19 Twp. 18 S. R. 21 East West
2,295 Feet from North / South Line of Section
2,022 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ness
Lease Name: Brehm-Kleweno Well #: 3-19
Field Name: Wunder

Producing Formation: Mississippian
Elevation: Ground: 2139 Kelly Bushing: 2147
Total Depth: 4235 Plug Back Total Depth: 4234
Amount of Surface Pipe Set and Cemented at: 1413 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: 25000 ppm Fluid volume: 240 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 Garrison Date: 12/20/2010

Rec'd



1048367

Operator Name: American Warrior, Inc. Lease Name: Brehm-Kleweno Well #: 3-19
 Sec. 19 Twp. 18 S. R. 21 East West County: Ness

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 (Attach Additional Sheets)	<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 Attached	Top Datum Attached
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 (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			

Dual Induction
Dual Compensated Porosity
Dual Receiver Cement Bond

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	12.25	8.625	23	1413	SMD	450	1/4# Flocele
Production	7.875	5.5	15.5	4234	EA-2	175	

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 (Amount and Kind of Material Used)	Depth
4	4223-4233		

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>4210</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>10/22/2010</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>25</u>	Gas Mcf	Water Bbls. <u>2</u>	Gas-Oil Ratio <u>39</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4223-4233</u>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Brehm-Kleweno 3-19
Doc ID	1048367

Tops

Anhydrite	1400	+747
Heebner	3602	-1455
Lansing	3648	-1501
BKC	3967	-1820
Pawnee	4048	-1901
Ft. Scott	4126	-1979
Cherokee	4144	-1997
Mississippian	4221	-2074
LTD	4235	-2088



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

TICKET
17661

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hope, Mo</u>	WELL/PROJECT NO. <u>3-11</u>	LEASE <u>unconfracted</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>Ks</u>	CITY	DATE <u>6-11-10</u>	OWNER <u>AW</u>
2. <u>Mo., City of</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discovery Drilling</u>	RIG NAME/NO.	SHIPPED VIA <u>Truck</u>	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Secondary Exp.</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>U</u>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
553		1			MILEAGE ^{1/11}	20				5.00	100.00
4760		1			Charge (to Surface)	1		1416		1416.00	1416.00
221		1			W.C.L.	2				2.00	4.00
281		1			Maintenance	500				1.00	500.00
290		1			D.A.	4				50.00	200.00
330		2			SAND Cement	4.4				15.00	67.00
276		2			Fluorite	1				1.00	1.00
581		2			Cement Service Charge	4				17.00	67.00
555		2			Dumping	490				1.00	490.00

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 [Signature]
 DATE SIGNED 6-11-10 TIME SIGNED 2:00 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?				106	
WE UNDERSTOOD AND MET YOUR NEEDS?				1170	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				1170	
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	

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 _____ PAGE NO. _____

CUSTOMER Amoco/Western Inc WELL NO. 3-19 LEASE Braham/Klewino JOB TYPE Deep Surface TICKET NO. _____

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							Water 4/16
								TD 1413
								8 3/4" x 1413' x 10' x 2 3/4"
	1740							Start Casing Break Circ.
	1705	4	0				50	Start Mudflash
		4.0	12/0				50	start KCL Flash
	1713	5.5	20/0				100	start cmt 1 100 sks SMD @ 11.8
	1721	5.5	45/0				100	" " 2 150 sks SMD @ 12.5
	1731	5.5	57/0				100	" " 3 100 sks SMD @ 13.0
	1735	5.5	34/0				100	" " 4 100 sks SMD @ 14.5
	1743		26					End Cement Deep Plug
	1751	6	0				50	Start Displacement
	1755	5	40				150	Circ Cement
	2003		90				500/400	Land Plug
							350	Start IP
								450 sks SMD
								circ 100 sks to Pit
								Thank you
								Nick, Josh & Blaine



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

TICKET CONTINUATION

TICKET No. 17661

CUSTOMER *American Water Inc* WELL # *3-11 Rockwell* DATE *6-17-10* PAGE *2* OF *2*

ITEM NO.	QUANTITY	DESCRIPTION	UNIT	PRICE	TOTAL	UNIT	PRICE	TOTAL
409	1	Control valves	3" dia	85	90	cu	270	cu
410	1	Top plug	1" dia	100	100	cu	100	cu
412		Backfill	1" dia	100	100	cu	100	cu
SERVICE CHARGE			CUBIC FEET					
TOTAL WEIGHT			LOADED MILES			TON MILES		

4170 "0"



CHARGE TO: <i>Amesbury Wellbore Inc</i>
ADDRESS
CITY, STATE, ZIP CODE

TICKET
17666

PAGE	OF
1	2

SERVICE LOCATIONS 1. <i>1741-100</i>	WELL/PROJECT NO. <i>3-11</i>	LEASE <i>B. h. h. / 1100000</i>	COUNTY/PARISH <i>Albany</i>	STATE <i>Ks</i>	CITY	DATE <i>6-26-10</i>	OWNER <i>sumco</i>
2. <i>Albany, KS</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>D. J. #3</i>	RIG NAME/NO.	SHIPPED VIA <i>PH</i>	DELIVERED TO <i>Location</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>development</i>	JOB PURPOSE <i>log drilling</i>	WELL PERMIT NO.	WELL LOCATION		
4.	INVOICE INSTRUCTIONS						
REFERRAL LOCATION							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
371		1			MILEAGE #112	20				5.00	100.00
378					Pump Change (log drilling)	1		4234		3400.00	14100.00
21		1			KCL	2				25.00	50.00
221		1			Mud Wash	500				1.00	500.00
270		1			D.D	3				23.00	70.00
402		1			C. Analysis	5		5 1/2		55.00	275.00
403		1			B. k. +	1				200.00	200.00
446		1			LD Play Buffle	1				225.00	225.00
407		1			T. A. Flat Sh. w/ 11/11	1				275.00	275.00
411		1			Rotating Head	1				150.00	150.00

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 *[Signature]*

DATE SIGNED <i>6-26-10</i>	TIME SIGNED <i>2:4</i>	<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.
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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 <i>3242</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>3761</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				<i>7007</i>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
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
<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 <i>[Signature]</i>	APPROVAL
--------------------------------------	----------

Thank You!



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

TICKET CONTINUATION

TICKET No. 17666

CUSTOMER American Water Inc WELL #5-11 Bingham Klev. w DATE 6-26-10 PAGE 2 OF 2

Item #	Quantity	Description	Weight	Volume	Rate	Total
325	2	Standard Cement	175 sks		12.00	2100.00
276	2	Flucate	50 #		1.50	75.00
283	2	Salt	900 #		15.00	135.00
284	2	Calsoal	8 sks		30.00	240.00
292	2	Halod-322	100 #		7.00	700.00
532	2	Minimum Drayage		1.25	250.00	250.00
581	2	SERVICE CHARGE	175 sks		1.50	262.50
583	2	TOTAL WEIGHT	17500	LOADED MILES 10	TON MILES 183	250.00

3762.50

JOB LOG

SWIFT Services, Inc.

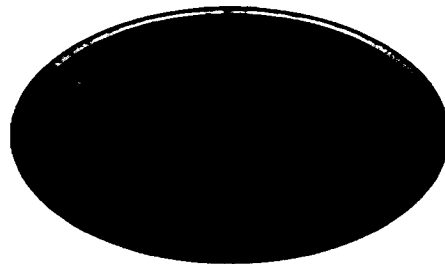
DATE 6-26-10 PAGE NO. 1

CUSTOMER American Water Inc. WELL NO. # 3-11 LEASE Bochen Klouca JOB TYPE Leasing string TICKET NO. 17666

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							on loc WIFE
								RTD 4234'
								5 1/2" x 15.5# x 4234' x 42'
								Conct. 1, 2, 3, 4, 80
								Basket 5
								Conct 100, 103
	0520							Start F.E.
	0730							Break circ
	0730	2.5	7/5					Play RH+MH
	0730	4	0			200		Start PreFlush 500 gal Mod flush
		6	32/0			250		Start Concret 2000 gal Kick flush
	0810		30					End Concret
								Work P & L
								Deep D Play
	0815	7	0			500		Start Displacement
	0815	7	73			300		Catch Concret
	0820		100			0.50		Work End Plug
								Release Pressure
								Floater Held
								Thank you
								Nick, Josh B. &

Geological Report

American Warrior, Inc.
Brehm-Kleweno #3-19
2310' FSL & 2000' FWL
Sec. 19 T18s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Brehm-Kleweno #3-19
2310' FSL & 2000' FWL
Sec. 19 T18s R21w
Ness County, Kansas
API # 15-135-25080-0000

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

Geologist: Jason Alm

Spud Date: June 19, 2010

Completion Date: June 26, 2010

Elevation: 2139' Ground Level
2147' Kelly Bushing

Directions: Bazine KS, North on DD rd. 2 mi. East on 150 rd.
½ mi. South into location.

Casing: 1404' 8 5/8" surface casing
4234' 5 1/2" production casing

Samples: 10' wet and dry, 3500' to RTD

Drilling Time: 3500' to RTD

Electric Logs: Log-Tech, Inc. "Brett Becker"
CNL/CDL, DIL

Drillstem Tests: Three, Trilobite Testing, Inc. "Brian Fairbank"

Problems: During DST #2, mud leaked past packers causing
mud only recovery.

Remarks: None

Formation Tops

Formation	American Warrior, Inc. Brehm-Kleweno #3-19 Sec. 19 T18s R21w 2310' FSL & 2000' FWL
Anhydrite	1400', +747
Base	1436', +711
Heebner	3602', -1455
Lansing	3648', -1501
BKc	3967', -1820
Pawnee	4048', -1901
Fort Scott	4126', -1979
Cherokee	4144', -1997
Mississippian	4221', -2074
LTD	4235', -2088
RTD	4234', -2087

Sample Zone Descriptions

- Fort Scott (4126', -1979):** Covered in DST #1
 Ls – Fine crystalline with poor to fair inter-crystalline porosity, light to fair oil stain with light scattered saturation, slight show of free oil when broken, light odor, bright yellow fluorescents, 60 units hotwire.
- Mississippian Osage (4221', -2074):** Covered in DST #2,3
 Dolo – Δ – Fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, heavy chert, triptolitic, heavily weathered with fair vuggy porosity, light to heavy oil stain and saturation, good odor, bright yellow fluorescents, 65 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Brian Fairbank"

DST #1

Fort Scott

Interval (4105' – 4147') Anchor Length 42'

IHP	- 2013 #	
IFP	- 45" – Built to 8.5 in.	19-28 #
ISI	- 45" – Dead	667 #
FFP	- 45" – B.O.B. 28 min.	19-34 #
FSI	- 45" – Dead	560 #
FHP	- 1982 #	
BHT	- 115°F	

Recovery: 295' GIP
45' GHOCM 30% Oil

DST #2

Mississippian Osage

Interval (4181' – 4232') Anchor Length 51'

Had mud leaking by packers throughout test

DST #3

Mississippian Osage

Interval (4224' – 4234') Anchor Length 10'

IHP	- 2145 #	
IFP	- 30" – B.O.B. 24 min.	26-49 #
ISI	- 30" – W.S.B.	1199 #
FFP	- 30" – B.O.B. 20 min.	54-77 #
FSI	- 30" – Built to 4.5 in.	278 #
FHP	- 1999 #	
BHT	- 113°F	

Recovery: 220' GIP
160' CGO
45' GWOCM 20% Oil, 5% Water
15' GWMCO 50% Oil, 5% Water

Structural Comparison

	American Warrior, Inc. Brehm-Kleweno #3-19 Sec. 19 T18s R21w 2310' FSL & 2000' FWL	Mack Oil Co. Roth #1 Sec. 19 T18s R21w 2310' FNL & 500' FWL		American Warrior, Inc. Brehm-Kleweno #1-19 Sec. 19 T18s R21w 1965' FNL & 1245' FWL	
Formation					
Anhydrite	1400', +747	1416', +734	(+13)	1402', +740	(+7)
Base	1436', +711	NA	NA	1436', +706	(+5)
Heebner	3602', -1455	NA	NA	3594', -1452	(-3)
Lansing	3648', -1501	3664', -1505	(+4)	3642', -1500	(-1)
BKc	3967', -1820	NA	NA	3962', -1821	(+1)
Pawnee	4048', -1901	4068', -1909	(+8)	4042', -1900	(-1)
Fort Scott	4126', -1979	4142', -1983	(+4)	4120', -1978	(-1)
Cherokee	4144', -1997	NA	NA	4140', -1998	(+1)
Mississippian	4221', -2074	4239', -2080	(+6)	4227', -2085	(+11)

Summary

The location for the Brehm-Kleweno #3-19 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three drill stem tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had examined the decision was made to run 5 1/2 inch production casing to further evaluate the Brehm-Kleweno #3-19 well.

Recommended Perforations

Primary:

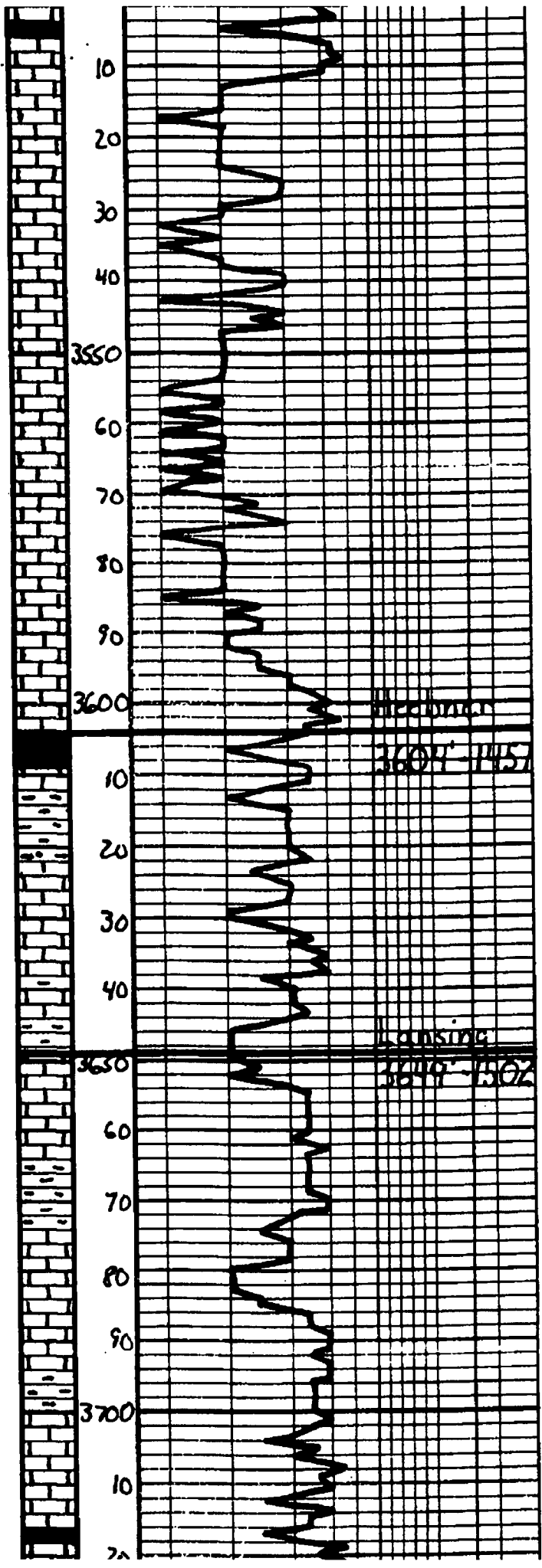
Mississippian Osage: (4221' – 4232') **DST #3**

Before Abandonment:

Fort Scott: (4128' – 4134') **DST #2**

Respectfully Submitted,

Jason Alm
Hard Rock Consulting, Inc.



Sh - Dk grey - blk

Gen on location
12:30 a.m. 6-23-20

Ls - Tan - lt. grey, Fossil, Fossils, St. Medial, Beden

Ls - alc

Ls - Tan - lt. grey, Fossil, Fossils, Horn, Chalky

Ls - alc

Ls - alc

Ls - alc, Mottled

Sh - blk, Carb., Fossil

Sh - grey, Bla - Gen

Ls - Off wh. - lt. grey, Fossil, but thin interval of brown

Sh - grey - Bla

Sh - grey - Bla - Gen

Ls - Tan - lt. grey, Fossil, Fossil, Mostly DKS

Sh - grey - Bla

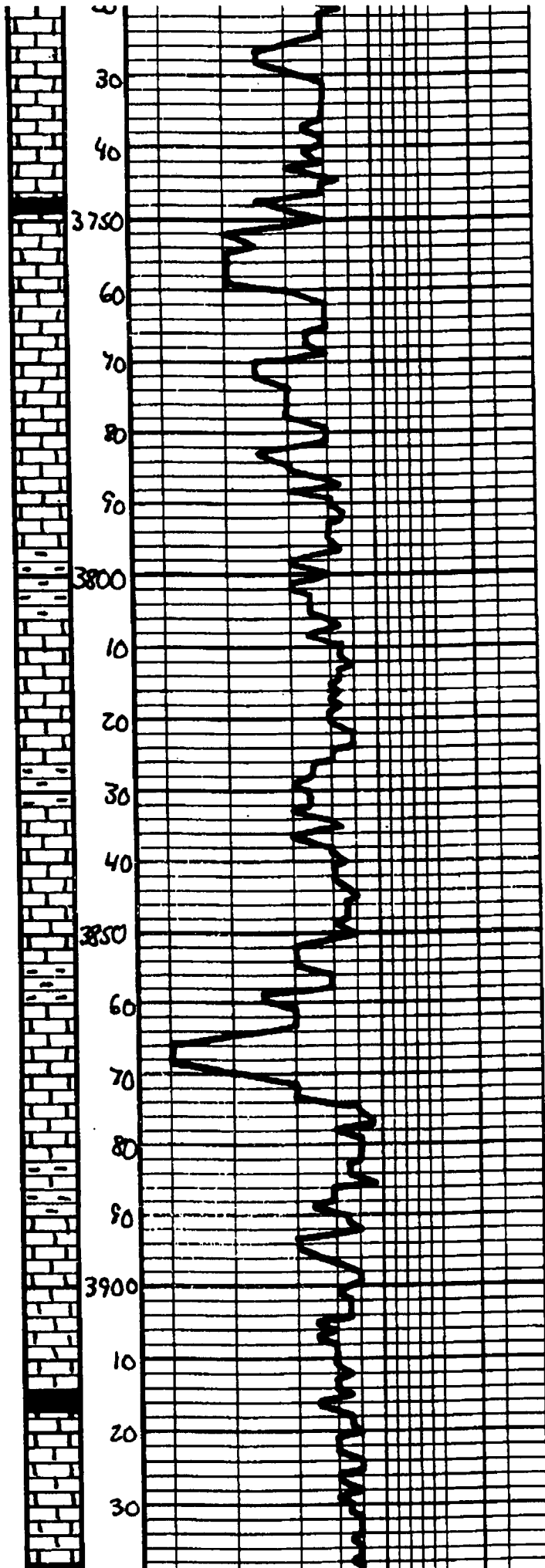
Ls - Tan - lt. grey, Fossil, Fossil, but poor com of Horn

Ls - alc, DKS

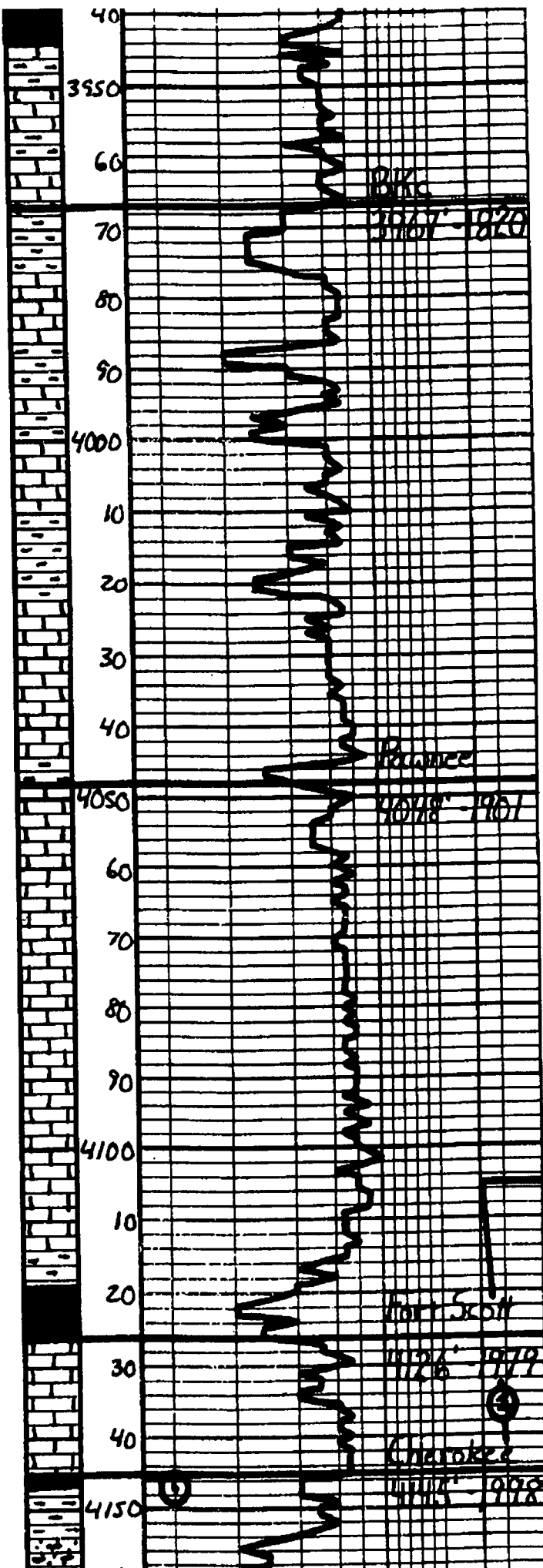
Sh - grey - Bla

Ls - Off wh. - lt. grey, Fossil, Fossil, but poor com of Horn, St. Medial

Sh - Dk grey - blk

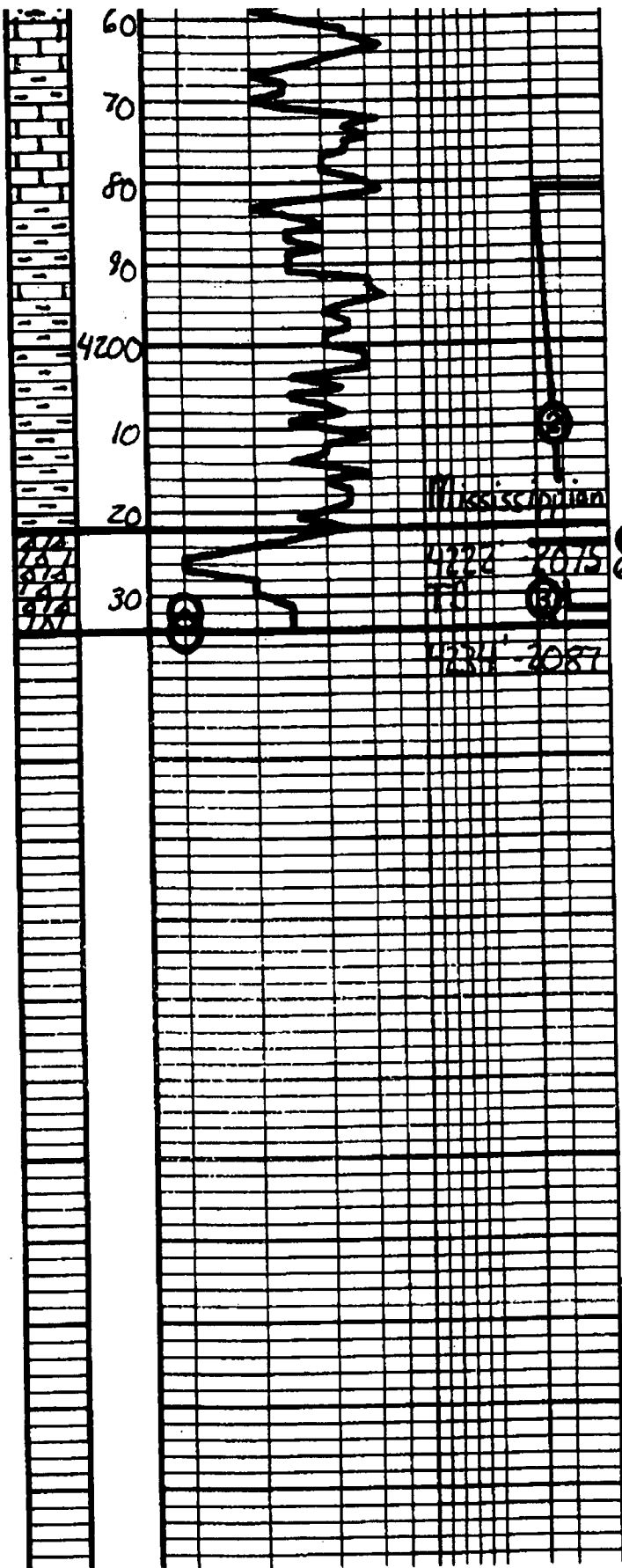


Ls. Tong. Lt. Bea. Fa. al. Fuv. l col. wt. Fa. com. & Barren	
Ls. al. DNS	
Sh. Gray. Dk. Gray	
Ls. Tong. Lt. Gray. Fa. al. Gray Fossiliferous, base com. of Barren	
Ls. al.	
Ls. al.	
Sh. Gray. Bea. Gray	
Ls. Tong. Lt. Gray. Sub. al. DNS	
Ls. al.	
Sh. Gray. Bea.	
Ls. Dk. h. Tong. Fa. Sub. al. St. fossiliferous, mostly DNS	
Ls. al.	
Sh. Gray. Bea.	
Ls. Dk. h. Lt. Gray. Fa. al. Fossiliferous, base Barren, St. al. h. h. h.	
Ls. al. DNS	
Sh. Gray. Bea.	
Ls. Tong. Lt. Gray. Fa. Sub. al. DNS, St. Fossiliferous	Mud Vis. 53 Wb. 9.1
Ls. al.	
Sh. Dk. Gray	
Ls. Tong. Lt. Gray. Sub. al. DNS	
Ls. al.	



Sh - blk. gray - blk
 Ls - Tan. gray, Subula, DMS
 Sh - gray - Ben
 Ls - a/c
 Sh - gray - Ben - Gen
 Ls - Tan. gray - St. Matthew, Subula, DMS
 Sh - gray - Ben - Gen
 Sh - a/c
 Ls - Tan. - blk. gray, Subula, DMS
 Sh - gray - Ben - Gen
 Ls - Tan. - blk. gray, Subula, DMS
 St. J. - white
 Ls - a/c
 Sh - gray - Gen
 Ls - Tan. - gray, Subula, DMS
 St. J. - white
 Ls - a/c
 Ls - gray, Subula, DMS
 Ls - a/c
 Ls - a/c
 25 Sh - blk. Carb
 Ls - Tan. - blk. Ben. En. slaty
 Gray - fine - interbed. in Ls -
 Part of St. J. - white -
 St. J. - white broken, in color
 Sh - blk. gray - blk
 Sh - Tan. - gray, angular - white
 cemented - black, surface -
 1/2 in. - 2 1/2 in. - red

DST #1	
Fort Scott	
4105' - 4147'	
45" - 45" - 45" - 45"	
IH	2013#
IF	19-22# Built to 2.5 in.
ISI	687# Dead
EF	19-24# ROD 78 min.
FSI	560# Dead
FH	1922#
BHT	115°F
Recovery:	



5' Sand, N. Shale, No. 1, Blue
 Anglice Reaction low
 Sh. Gray - Blue
 Ls. Tan - Gray, Subolar, DMS
 Sh. Gray - Blue - Green
 Sh. Blue - Green - Gray, No. 1, Blue
 Sh. AV - etc
 Dolo. AV - Dolo. - Blue - No. 1, Blue
 Yellow - Tan - Subolar, DMS
 Sand - Blue - Green - No. 1, Blue
 Sh. - Sand - Blue - Green - Dolo.

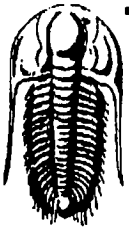
2 1/2" GIP
 45' 6" HOC/M
 30% Oil

DST#2
 Mississippian
 4181' - 4282'
 Test Tool Issues

DST#3
 Mississippian
 4224' - 4234'
 30" 30" 30" 30"

IH 2195#
 IF 26-49#
 BOB 24 min.
 ISI 1199#
 W.S.B.
 FF 54-27#
 BOB 20 min.
 FSI 278#
 BOB to 4.5 in.
 FH 1899#
 BHT 113°F
 Recovery:
 220' GIP
 160' CGO
 45' 6" HOC/M
 30% Oil, 5% Water
 15' 6" HOC/M
 30% Oil, 6% Water

Respectfully,
 Jason H.
 6-26-2010



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Am Warrior
 PO Box 399
 Garden City, Ks
 67846
 ATTN: Jason Alm

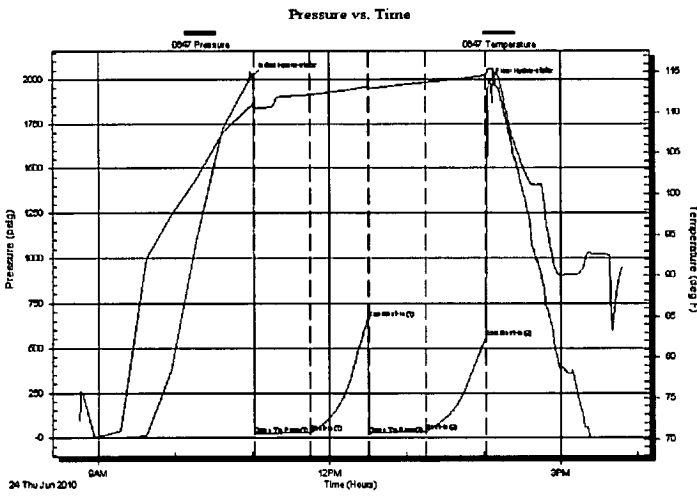
Brehm-Kleweno 3-19
19-18s-21w/Ness
 Job Ticket: 38954 **DST#: 1**
 Test Start: 2010.06.24 @ 08:45:07

GENERAL INFORMATION:

Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:01:32
 Time Test Ended: 15:48:01
 Interval: **4105.00 ft (KB) To 4147.00 ft (KB) (TVD)**
 Total Depth: 4147.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2147.00 ft (KB)
 2139.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8647 **Inside**
 Press@RunDepth: 33.80 psig @ 4108.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.24 End Date: 2010.06.24 Last Calib.: 2010.06.24
 Start Time: 08:45:07 End Time: 15:48:01 Time On Btm: 2010.06.24 @ 11:00:32
 Time Off Btm: 2010.06.24 @ 14:05:01

TEST COMMENT: IFP - weak to good blow 1/4" - 8 1/2"
 ISI - no blow back
 FFP - BOB 28 min.
 FSI - no blow back



PRESSURE SUMMARY

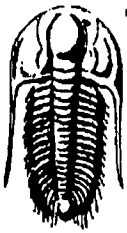
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2012.53	111.04	Initial Hydro-static
1	19.08	110.63	Open To Flow (1)
45	27.80	112.18	Shut-In(1)
90	666.96	113.18	End Shut-In(1)
90	18.91	113.00	Open To Flow (2)
134	33.80	113.71	Shut-In(2)
182	559.60	114.56	End Shut-In(2)
185	1982.31	115.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GHOCM 10%G, 30%O, 60%M	0.35
0.00	295' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Jason Alm

Brehm-Kleweno 3-19
19-18s-21w/Ness
Job Ticket: 38954 **DST#: 1**
Test Start: 2010.06.24 @ 08:45:07

Mud and Cushion Information

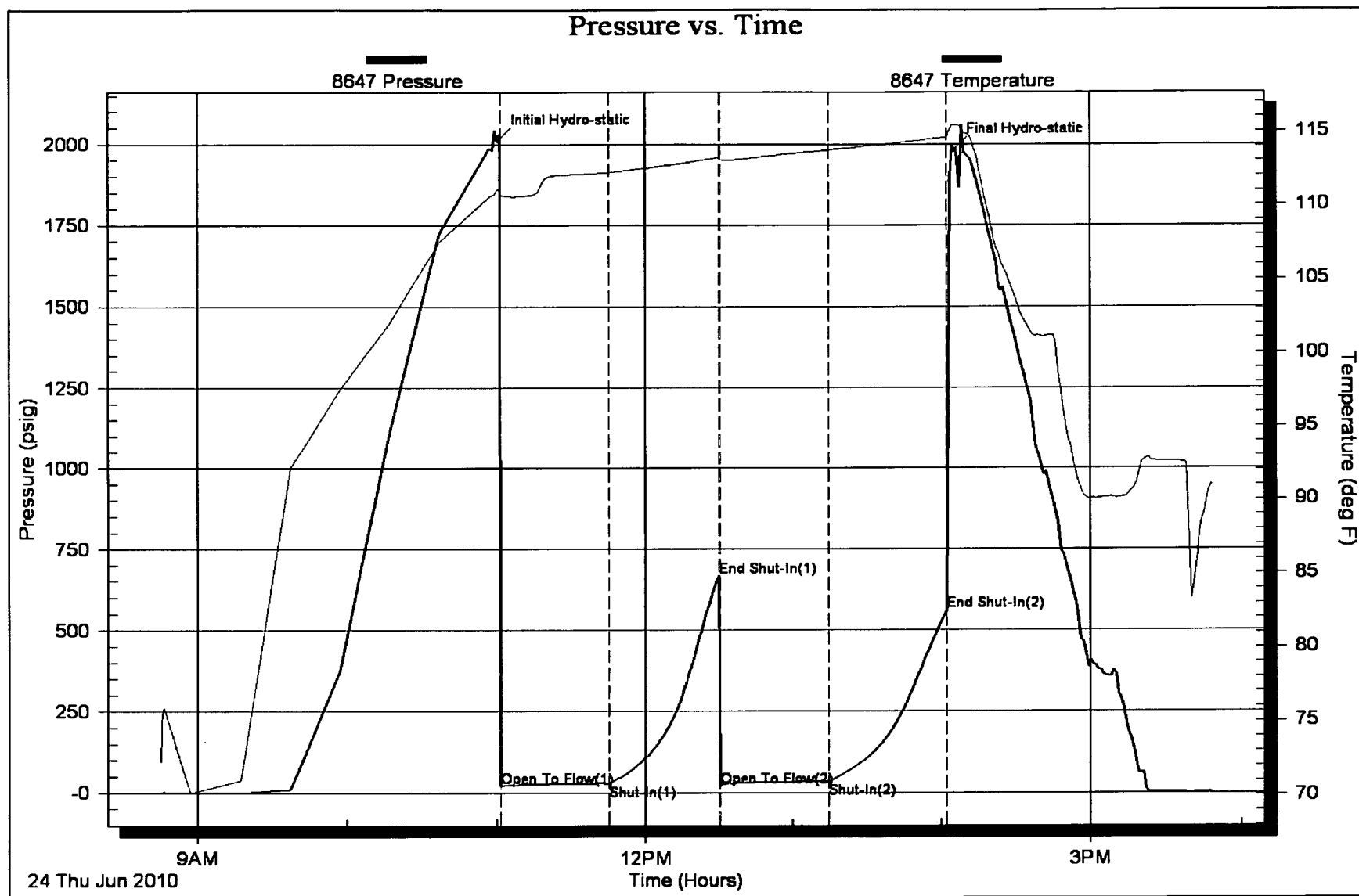
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GHOCM 10%G, 30%O, 60%M	0.349
0.00	295' GIP	0.000

Total Length: 45.00 ft Total Volume: 0.349 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Jason Alm

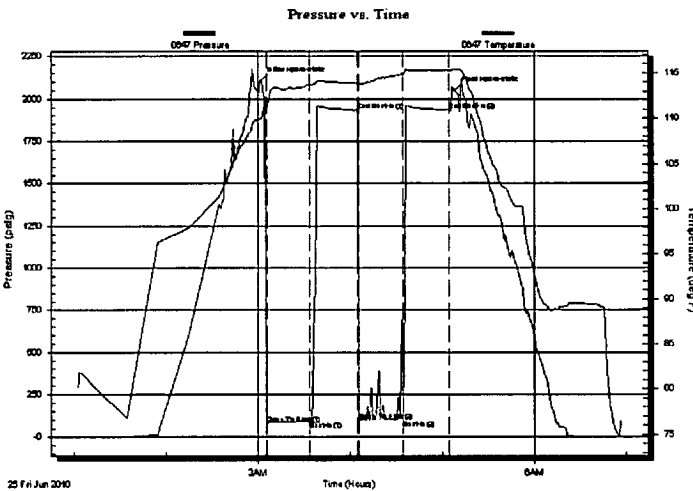
Brehm-Kleweno 3-19
19-18s-21w/Ness
Job Ticket: 38955 **DST#: 2**
Test Start: 2010.06.25 @ 01:02:37

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 03:05:32
Time Test Ended: 06:57:01
Interval: **4181.00 ft (KB) To 4232.00 ft (KB) (TVD)**
Total Depth: **4232.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: KB to GR/CF: **8.00 ft**
Test Type: **Conventional Bottom Hole**
Tester: **Brian Fairbank**
Unit No: **41**
Reference Elevations: **2147.00 ft (KB)**
2139.00 ft (CF)

Serial #: 8647 **Inside**
Press@RunDepth: **101.32 psig @ 4190.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.06.25** End Date: **2010.06.25** Last Calib.: **2010.06.25**
Start Time: **01:02:37** End Time: **06:57:01** Time On Btm: **2010.06.25 @ 03:02:02**
Time Off Btm: **2010.06.25 @ 05:08:02**

TEST COMMENT: IFP - packer failure - reset packers - weak to fair blow - surging blow 1" - 3 1/2"
ISI - no blow back
FFP - sur blow - died 6 min.
FSI - no blow back



PRESSURE SUMMARY

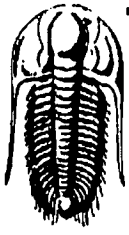
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.24	110.01	Initial Hydro-static
4	78.14	111.00	Open To Flow (1)
32	90.21	113.67	Shut-In(1)
63	1929.16	113.98	End Shut-In(1)
64	93.95	113.61	Open To Flow (2)
93	101.32	114.81	Shut-In(2)
123	1932.31	115.31	End Shut-In(2)
126	2050.84	115.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	drl mud 100%	1.54

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Jason Alm

Brehm-Kleweno 3-19
19-18s-21w/Ness
Job Ticket: 38955 **DST#: 2**
Test Start: 2010.06.25 @ 01:02:37

Mud and Cushion Information

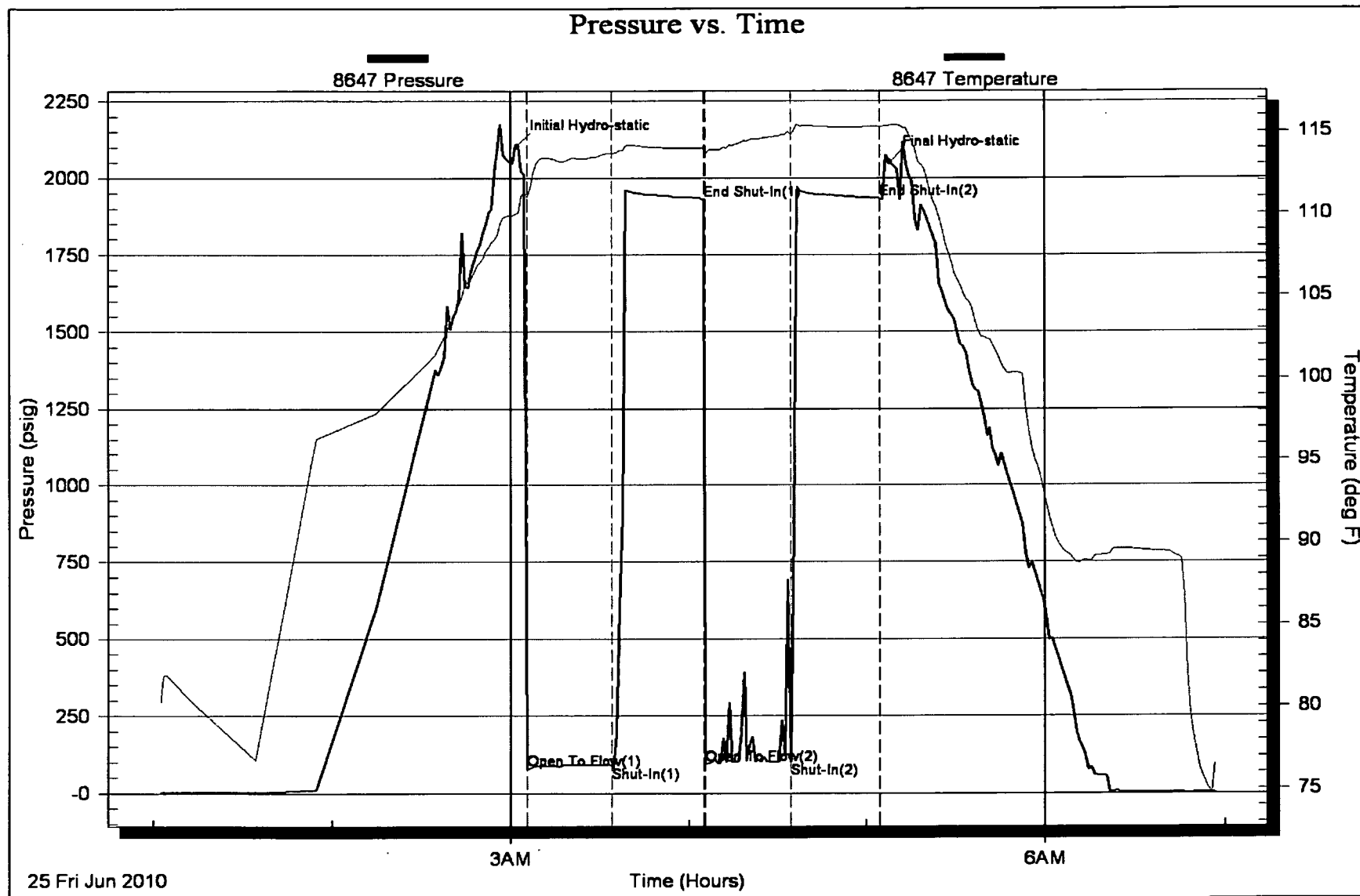
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.75 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

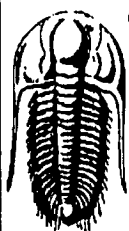
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	drl mud 100%	1.541

Total Length: 130.00 ft Total Volume: 1.541 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Jason Alm

Brehm-Kleweno 3-19
19-18s-21w/Ness
Job Ticket: 38956 **DST#: 3**
Test Start: 2010.06.25 @ 12:11:27

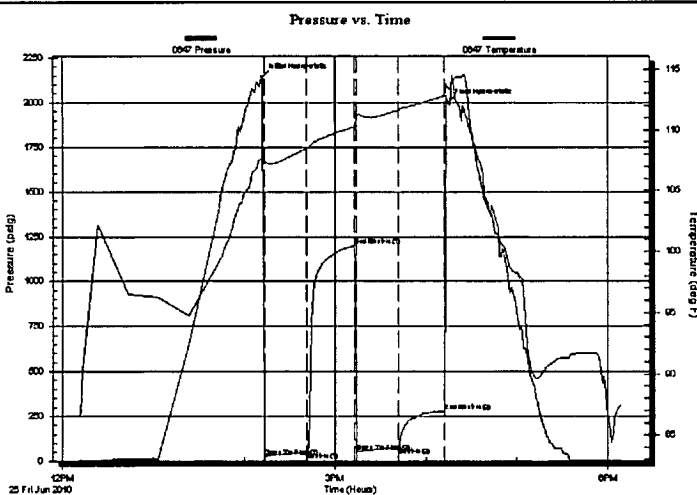
GENERAL INFORMATION:

Formation: **Miss (2)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:13:22
Time Test Ended: 18:09:21
Interval: **4224.00 ft (KB) To 4234.00 ft (KB) (TVD)**
Total Depth: 4234.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2147.00 ft (KB)
2139.00 ft (CF)

Serial #: 8647 Inside
Press@RunDepth: 77.21 psig @ 4227.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.06.25 End Date: 2010.06.25
Start Time: 12:11:27 End Time: 18:09:21
Time On Btm: 2010.06.25 @ 14:11:52
Time Off Btm: 2010.06.25 @ 16:14:52

TEST COMMENT: IFP - BOB 24 min.
ISI - weak sur blow back
FFP - BOB 20 min.
FSI - 4 1/2" blow back



PRESSURE SUMMARY

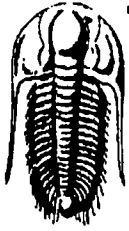
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2145.75	107.66	Initial Hydro-static
2	26.39	107.28	Open To Flow (1)
30	49.83	108.48	Shut-In(1)
61	1198.99	110.25	End Shut-In(1)
63	54.77	111.16	Open To Flow (2)
90	77.21	111.62	Shut-In(2)
121	278.05	112.78	End Shut-In(2)
123	1999.15	113.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	GW & MCO 10%G, 50%O, 5%W, 35%M	0.07
45.00	GWOCM 5%G, 20%O, 5%W, 70%M	0.49
160.00	FREE OIL 95%O, 5%M	2.24
0.00	220' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Am Warrior
PO Box 399
Garden City, Ks
67846
ATTN: Jason Alm

Brehm-Kleweno 3-19
19-18s-21w/Ness
Job Ticket: 38956 **DST#: 3**
Test Start: 2010.06.25 @ 12:11:27

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 14000 ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.37 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6500.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	GW & MCO 10%G, 50%O, 5%W, 35%M	0.074
45.00	GWOCM 5%G, 20%O, 5%W, 70%M	0.485
160.00	FREE OIL 95%O, 5%M	2.244
0.00	220' GIP	0.000

Total Length: 220.00 ft Total Volume: 2.803 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

