Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1220593

Form ACO-1
August 2013
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: Kevin Wiles SR
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: James Musgrove
Purchaser: ____

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*: ____

If Workover/Re-entry: Old Well Info as follows:

Operator: ____
Well Name: ____
Original Comp. Date: ____ Original Total Depth: ____

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #: ____
☐ Dual Completion Permit #: ____
☐ SWD Permit #: ____
☐ ENHR Permit #: ____
☐ GSW Permit #: ____

06/06/2014	06/14/2014	08/27/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23882-00-00
Spot Description: ____
NW SW NE SW Sec. 23 Twp. 22 S. R. 14 ☐ East ☑ West
1949 Feet from ☐ North / ☑ South Line of Section
1392 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: ____ *(e.g. xx.xxxxx)* , Long: ____ *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Stafford
Lease Name: Hoffmaster Well #: 3-23
Field Name: Oscar
Producing Formation: Viola
Elevation: Ground: 1930 Kelly Bushing: 1938
Total Vertical Depth: 3965 Plug Back Total Depth: 3918
Amount of Surface Pipe Set and Cemented at: 781 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: 12000 ppm Fluid volume: 400 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

☑ **Confidentiality Requested**
Date: 08/27/2014
☑ **Confidential Release Date:** 08/26/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 08/27/2014

[redacted] 1220593

Operator Name: American Warrior, Inc. Lease Name: Hoffmaster Well #: 3-23

Sec. 23 Twp. 22 S. R. 14 ☐ East ☑ West County: Stafford

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual IND
Dual Comp. Porosity
Micro

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
Heebner	3324	-1386
Toronto	3345	-1407
Lansing	3466	-1528
BKC	3688	-1750
Viola	3746	-1808
Simpson	3795	-1857
Arbuckle	3849	-1911

CASING RECORD ☑ New ☐ 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	24	781	Class A	240	3%cc/2% gel
Production	7.875	5.50	15.5	3940	EA2	125	D-air/flocele

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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	3764-3784	2000 gals 20% NE/FE/acid	3764-3784
		Frac w/ 82000#s 16/30 & 7500#s	
		resin sand n slick wtr gel.	

TUBING RECORD: Size: 2.375 Set At: 3900 Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 09/02/2014

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25		50		36

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☑ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
3764-3784

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Hoffmaster 3-23
Doc ID	1220593

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	781	Class A	240	3%cc/2% gel
Production	7.875	5.50	15.5	3940	EA2	125	D-air/flocele

ALLIED OIL & GAS SERVICES, LLC 062975

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Mount Hood

DATE 6-7-14	SEC. 23	TWP. 22	RANGE 14	CALLED OUT 7:00 AM	ON LOCATION 9:30 AM	JOB START 11:00 AM	JOB FINISH 12:00 PM
LEASE Hoffmaster	WELL # 3-3		LOCATION 281 + K-19 5 west 2½ South East into			COUNTY Stafford	STATE Ks
OLD OR NEW (Circle one)							

CONTRACTOR Duke 8
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 781
CASING SIZE 8 5/8 DEPTH 781
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 20'
PERFS.
DISPLACEMENT 48½

OWNER Same

EQUIPMENT

PUMP TRUCK CEMENTER Tim Dubois #398
HELPER Josh Ellis
BULK TRUCK
#544-198 DRIVER Kevin Wenfrom
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 420sk class A 3%cc 2% Gel

COMMON	420	@ 17.90	7.518.00
POZMIX		@	
GEL	789	@ 1.05	828.45
CHLORIDE	1184	@ 1.10	1.302.40
ASC		@	
Materials Total		@	9.648.85
Disc		@ 25%	2.412.21
		@	
		@	
		@	
		@	
Service		@	
HANDLING	454.15	@ 2.48	1.126.39
MILEAGE	20.72 X 20 X	2.75	1.139.60

REMARKS:

Ran 781' of 8 5/8 csg. Broke circulation. Pumped 5 bbls H2O. Mixed 420sk class A 3%cc 2% Gel. Released plug. Displaced with H2O. Cement did circulate

DEPTH OF JOB 781
PUMP TRUCK CHARGE 2058.50
EXTRA FOOTAGE @
MILEAGE Hum 20 @ 7.70 154.00
MANIFOLD @ 275.00 275.00
Hum 20 @ 4.40 88.00
@

TOTAL 4.841.39
25% 1.210.35

CHARGE TO: American Warrior
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8 Rubber plug @ 131.00 131.00
@
@
@
@

TOTAL 131.00
0%

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.

SALES TAX (If Any)
TOTAL CHARGES 14.621.34
DISCOUNT 3.622.50 (25/25/0) IF PAID IN 30 DAYS
$ 10.998.68

PRINTED NAME X Steve Stephens
SIGNATURE X

SWIFT Services, Inc.

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

TICKET 26342

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Ness City KS	3-23	Hoffmaster	Stafford	KS	Seward	14 Jun 14	
2.	TICKET TYPE ☐ SERVICE ☐ SALES	CONTRACTOR DUKE	RIG NAME/NO. 8	SHIPPED VIA CT	DELIVERED TO location	ORDER NO.	
3.	WELL TYPE oil	WELL CATEGORY Development	JOB PURPOSE cement long string		WELL PERMIT NO.	WELL LOCATION 23-22-14	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE TRK 114	90	mi			6 00	540 00
578		1			Pump Charge	1	ea			1500 00	1500 00
402		1			Centralizer	5½	in	9	ea	70 00	630 00
403		1			Cement Basket	5½	in	1	ea	300 00	300 00
406		1			Latch down Plug & Baffle	5½	in	1	ea	275 00	275 00
407		1			Insert float shoe w/ AUTO FILL	5½	in	1	ea	375 00	375 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. 2050

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
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? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1	3620 00
2	597.2 13
subtotal	959.2 13
Stafford TAX 7.15%	455 99
TOTAL	10048 12

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

SWIFT OPERATOR RBG11 | APPROVAL

Thank You!

SWIFT Services, Inc.

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

TICKET CONTINUATION

TICKET No. 26342

CUSTOMER American Warrior | WELL Hoffmaster 3-23 | DATE 14 Jun 14 | PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
325		1				STANDARD cement (for 8-2)	175	sk			14 50	2537 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			8 00	1000 00
276		1				floucle	50	lb			2 50	125 00
281		1				mudflush	500	gal			1 25	625 00
221		1				KCL liquid	2	gal			25 00	50 00
581		1				SERVICE CHARGE 175	CUBIC FEET				2 00	350 00
583		1				MILEAGE CHARGE TOTAL WEIGHT 18325 LOADED MILES 90	TON MILES 824.63				1 00	824 63

CONTINUATION TOTAL 5972.13

JOB LOG

SWIFT Services, Inc.

DATE 4 Jun 14 | PAGE NO.

CUSTOMER American Warrior | WELL NO. 3-23 | LEASE Hoffmaster | JOB TYPE cement long string | TICKET NO. 26342

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
								175 sk SA-2 cement w/ ¼# flocle
								5½" x 15.5# casing 93 joints 3940'
								shoe jt 1742' TD 3965'
								Centralizer 1, 2, 4, 5, 6, 8, 10, 12, 14
								Basket 3
	1500							on loc TRK 114
	1645							start 5½" x 15.5# casing in well
	1830							Drop ball - circulate
	1900	4	12				200	Pump 500 gal mudflush
		4	20				200	Pump 20 bbl KCL flush
	1910		7					Plug RH - MH ~~30 sks~~ - 20 sks
	1917	4½	35				200	mix SA-2 cement ~~125 sk~~ @ 15.3 ppg
	1925							Drop btch down plug
								wash out pump & line
	1933	6					200	Displace plug
		6	88				700	
	2000	6	94				1500	Land plug
								Release pressure to truck - dried up
	2005							wash truck
								Rack up
	2050							job complete
								Thanks
								Blaine, Flint & ross

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

Hoffmaster #3-23

23-22s-14w Stafford,Ks.

Start Date: 2014.06.11 @ 16:29:14
End Date: 2014.06.12 @ 04:21:44
Job Ticket #: 54180 DST #: 1

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

Printed: 2014.06.16 @ 13:17:40

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54180 **DST#: 1**

Test Start: 2014.06.11 @ 16:29:14

GENERAL INFORMATION:

Formation: **LKC "H & I "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:24:14
Time Test Ended: 04:21:44

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 53

Interval: 3576.00 ft (KB) To 3625.00 ft (KB) (TVD)
Total Depth: 3625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

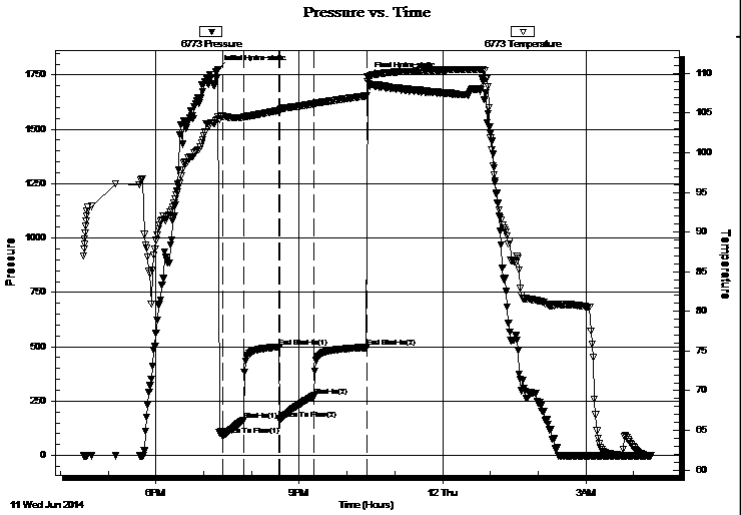
Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6773 **Outside**

Press@RunDepth: 274.29 psig @ 3577.00 ft (KB)
Start Date: 2014.06.11 End Date: 2014.06.12
Start Time: 16:29:19 End Time: 04:21:44

Capacity: 8000.00 psig
Last Calib.: 2014.06.12
Time On Btm: 2014.06.11 @ 19:18:14
Time Off Btm: 2014.06.11 @ 22:25:44

TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.
ISI: Weak blow . Surf., - 2 1/4". Bled off in 5 mins.
FF: Strong blow . B.O.B. in 4 mins.
FSI: Fair blow . Surf., - 8". Bled off in 10 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.72	104.56	Initial Hydro-static
6	90.55	104.59	Open To Flow (1)
32	163.55	104.44	Shut-In(1)
77	499.33	105.33	End Shut-In(1)
77	164.46	105.33	Open To Flow (2)
121	274.29	106.16	Shut-In(2)
187	496.83	107.16	End Shut-In(2)
188	1741.01	109.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OCMW 2%o 3%m 95%w	1.74
124.00	OCMW 5%o 5%m 90%w	1.74
62.00	GMCOW2%g 3%m 20%o 75%w	0.87
124.00	GMCOW 10%m 15%o 35%w 40%g	1.74
124.00	GOWCM 12%m 14%w 31%o 43%g	1.74
5.00	GOWCM 10%w 20%g 20%o 50%m	0.07

Gas Rates

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

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54180 **DST#: 1**

Test Start: 2014.06.11 @ 16:29:14

GENERAL INFORMATION:

Formation: **LKC "H & I "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:24:14
Time Test Ended: 04:21:44

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 53

Interval: 3576.00 ft (KB) To 3625.00 ft (KB) (TVD)
Total Depth: 3625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

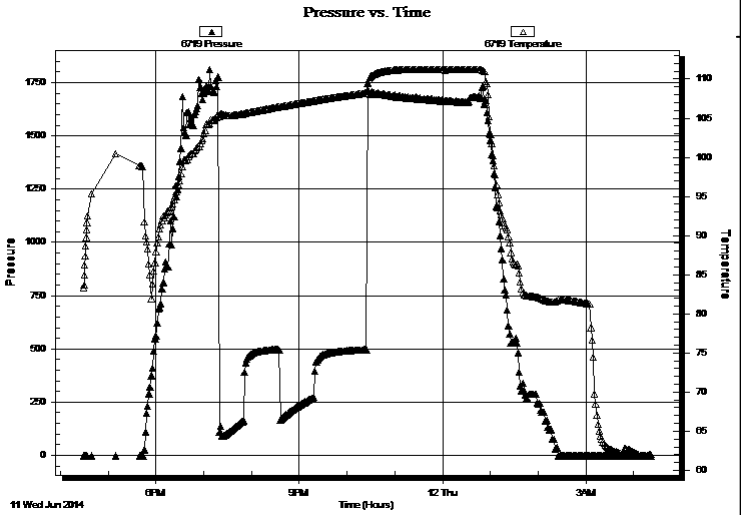
Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6719 **Outside**

Press@RunDepth: psig @ 3577.00 ft (KB)
Start Date: 2014.06.11 End Date: 2014.06.12
Start Time: 16:29:18 End Time: 04:21:28

Capacity: 8000.00 psig
Last Calib.: 2014.06.12
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.
ISI: Weak blow . Surf., - 2 1/4". Bled off in 5 mins.
FF: Strong blow . B.O.B. in 4 mins.
FSI: Fair blow . Surf., - 8". Bled off in 10 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OCMW 2%o 3%m 95%w	1.74
124.00	OCMW 5%o 5%m 90%w	1.74
62.00	GMCOW2%g 3%m 20%o 75%w	0.87
124.00	GMCOW 10%m 15%o 35%w 40%g	1.74
124.00	GOWCM 12%m 14%w 31%o 43%g	1.74
5.00	GOWCM 10%w 20%g 20%o 50%m	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54180 **DST#: 1**

Test Start: 2014.06.11 @ 16:29:14

Tool Information

Drill Pipe:	Length:	3572.00 ft	Diameter:	3.80 inches	Volume:	50.11 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:		22000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		56000.00 lb
					Total Volume:	50.11 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		16.00 ft					String Weight:	Initial	38000.00 lb
Depth to Top Packer:		3576.00 ft						Final	40000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		49.00 ft							
Tool Length:		69.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3557.00		
Shut In Tool	5.00			3562.00		
Hydraulic tool	5.00			3567.00		
Packer	4.00			3571.00	20.00	Bottom Of Top Packer
Packer	5.00			3576.00		
Stubb	1.00			3577.00		
Recorder	0.00	6719	Outside	3577.00		
Recorder	0.00	6773	Outside	3577.00		
Perforations	2.00			3579.00		
Change Over Sub	1.00			3580.00		
Drill Pipe	31.00			3611.00		
Change Over Sub	1.00			3612.00		
Perforations	10.00			3622.00		
Bullnose	3.00			3625.00	49.00	Bottom Packers & Anchor
Total Tool Length:	**69.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54180 **DST#: 1**

Test Start: 2014.06.11 @ 16:29:14

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:	52500 ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6600.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OCMW 2%o 3%m 95%w	1.739
124.00	OCMW 5%o 5%m 90%w	1.739
62.00	GMCOW2%g 3%m 20%o 75%w	0.870
124.00	GMCOW 10%m 15%o 35%w 40%g	1.739
124.00	GOWCM 12%m 14%w 31%o 43%g	1.739
5.00	GOWCM 10%w 20%g 20%o 50%m	0.070
0.00	1049' G.I.P. 100%g	0.000

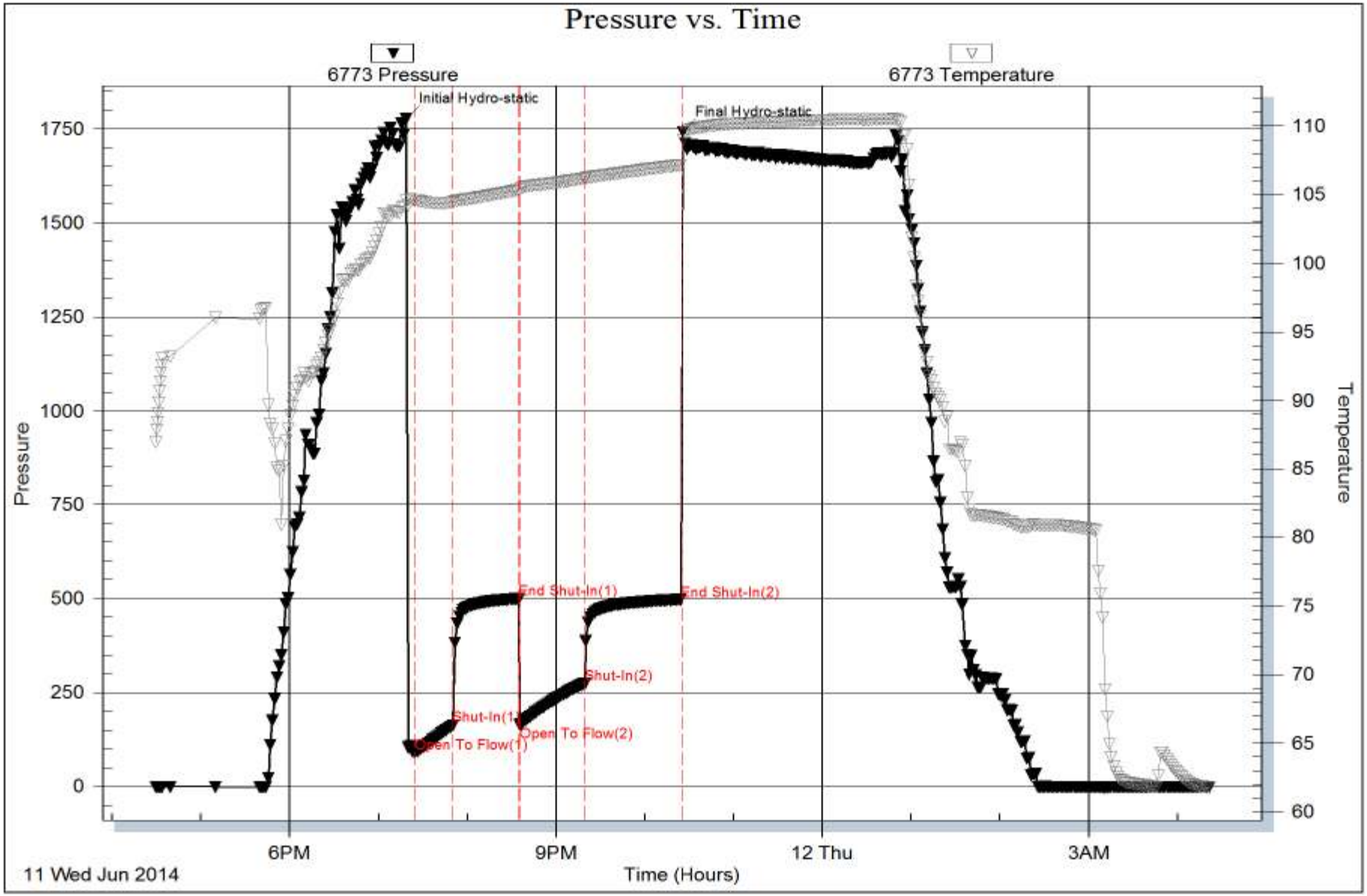
Total Length: 563.00 ft Total Volume: 7.896 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

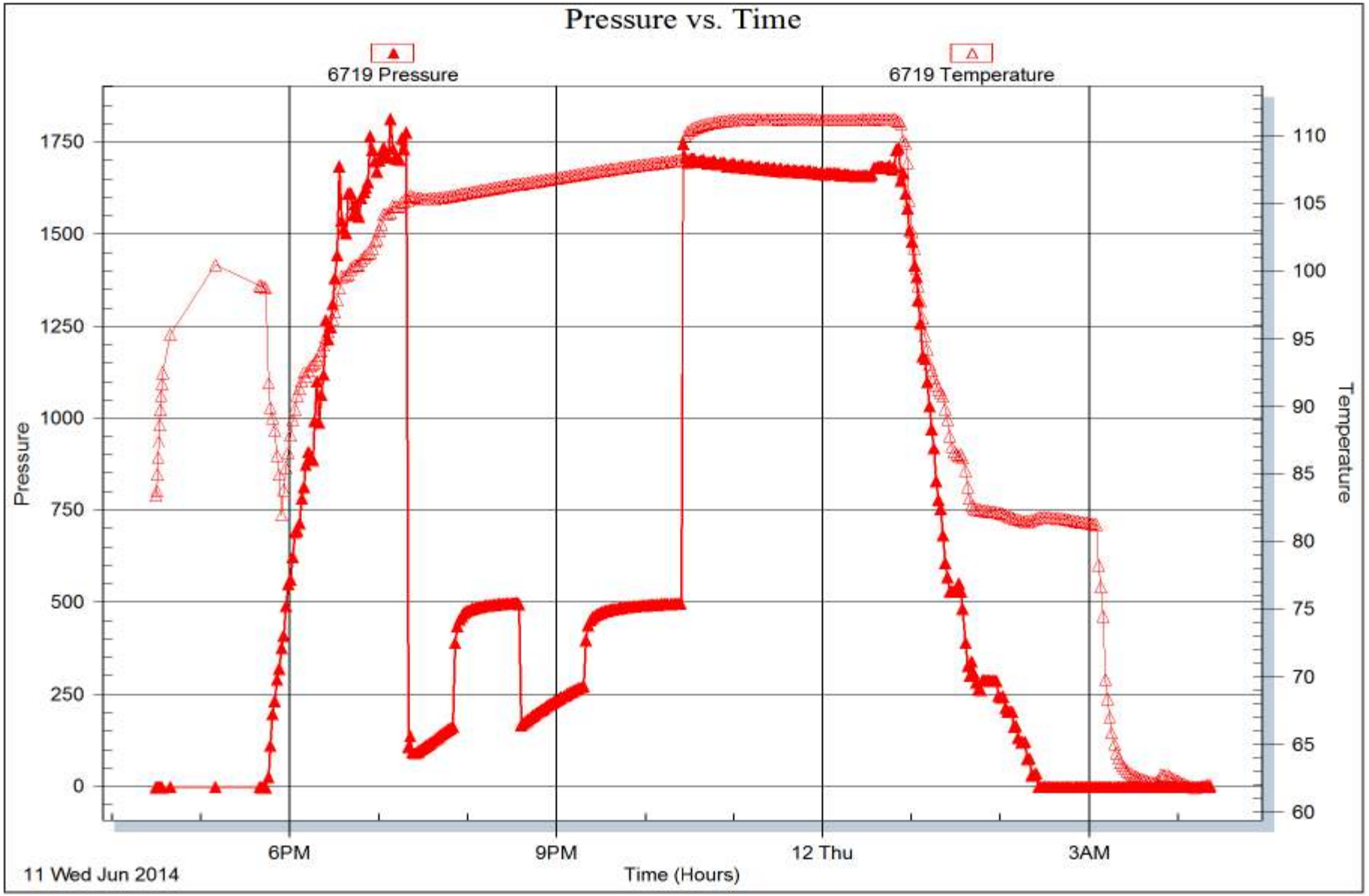
Recovery Comments: RW .16 @ 63 degrees = 52,500 chorides

Serial #: 6773 **Outside** American Warrior, Inc. Hoffmaster #3-23 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54180 Printed: 2014.06.16 @ 13:17:41

Serial #: 6719 **Outside** American Warrior, Inc. Hoffmaster #3-23 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54180 Printed: 2014.06.16 @ 13:17:41

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

Hoffmaster #3-23

23-22s-14w Stafford,Ks.

Start Date: 2014.06.12 @ 17:15:52
End Date: 2014.06.12 @ 23:14:52
Job Ticket #: 54181 DST #: 2

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

Printed: 2014.06.16 @ 13:17:18

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54181 **DST#: 2**

Test Start: 2014.06.12 @ 17:15:52

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:22:22
Time Test Ended: 23:14:52

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 53

Interval: 3757.00 ft (KB) To 3785.00 ft (KB) (TVD)
Total Depth: 3785.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

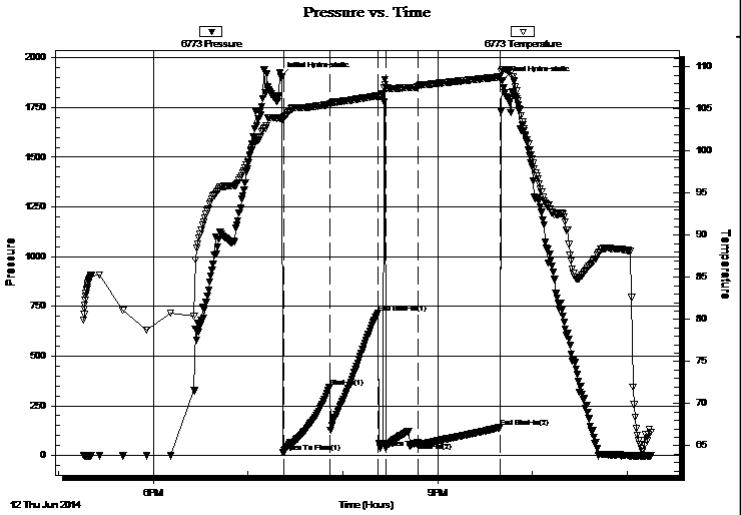
Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6773 **Outside**

Press@RunDepth: 66.25 psig @ 3758.00 ft (KB)
Start Date: 2014.06.12 End Date: 2014.06.12
Start Time: 17:15:57 End Time: 23:14:51

Capacity: 8000.00 psig
Last Calib.: 2014.06.12
Time On Btm: 2014.06.12 @ 19:20:37
Time Off Btm: 2014.06.12 @ 21:40:52

TEST COMMENT: IF: Weak blow . Surf., - 1/4".
ISI: No blow .
FF: No blow . Flushed. No blow .
FSI: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1904.06	103.92	Initial Hydro-static
2	17.50	103.86	Open To Flow (1)
31	345.36	105.54	Shut-In(1)
62	718.49	106.57	End Shut-In(1)
67	35.09	107.51	Open To Flow (2)
87	66.25	107.60	Shut-In(2)
139	141.79	108.81	End Shut-In(2)
141	1884.99	109.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DRLG Mud 100%m	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54181 **DST#: 2**

Test Start: 2014.06.12 @ 17:15:52

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:22:22
Time Test Ended: 23:14:52

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 53

Interval: 3757.00 ft (KB) To 3785.00 ft (KB) (TVD)
Total Depth: 3785.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

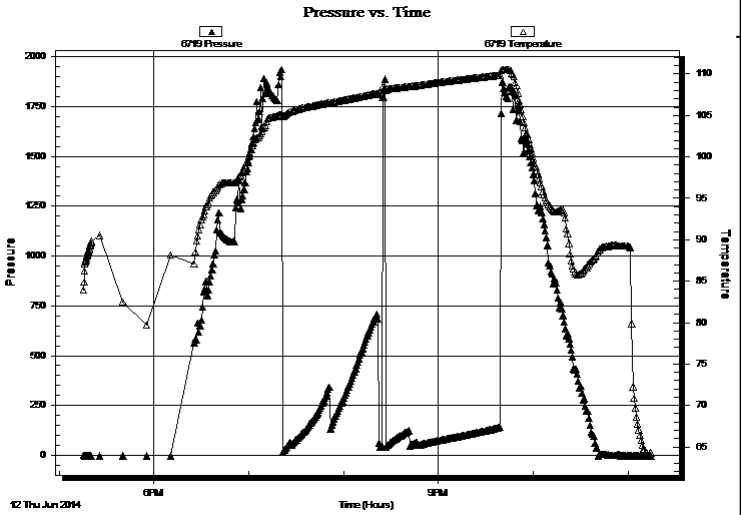
Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6719 **Outside**

Press@RunDepth: psig @ 3758.00 ft (KB)
Start Date: 2014.06.12 End Date: 2014.06.12
Start Time: 17:15:29 End Time: 23:14:08

Capacity: 8000.00 psig
Last Calib.: 2014.06.12
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak blow . Surf., - 1/4".
ISI: No blow .
FF: No blow . Flushed. No blow .
FSI: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DRLG Mud 100%m	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54181 **DST#: 2**

Test Start: 2014.06.12 @ 17:15:52

Tool Information

Drill Pipe:	Length:	3760.00 ft	Diameter:	3.80 inches	Volume:	52.74 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:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		42000.00 lb
					Total Volume:	52.74 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		23.00 ft					String Weight:	Initial	42000.00 lb
Depth to Top Packer:		3757.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		28.00 ft							
Tool Length:		48.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments: Shale Packer is in tool. Replaced bottom packer w ith Shale Packer.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3738.00		
Shut In Tool	5.00			3743.00		
Hydraulic tool	5.00			3748.00		
Packer	4.00			3752.00	20.00	Bottom Of Top Packer
Packer	5.00			3757.00		
Stubb	1.00			3758.00		
Recorder	0.00	6719	Outside	3758.00		
Recorder	0.00	6773	Outside	3758.00		
Perforations	24.00			3782.00		
Bullnose	3.00			3785.00	28.00	Bottom Packers & Anchor
Total Tool Length:	**48.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54181 **DST#: 2**

Test Start: 2014.06.12 @ 17:15:52

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:	10500 ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.18 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10500.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DRLG Mud 100%m	0.140

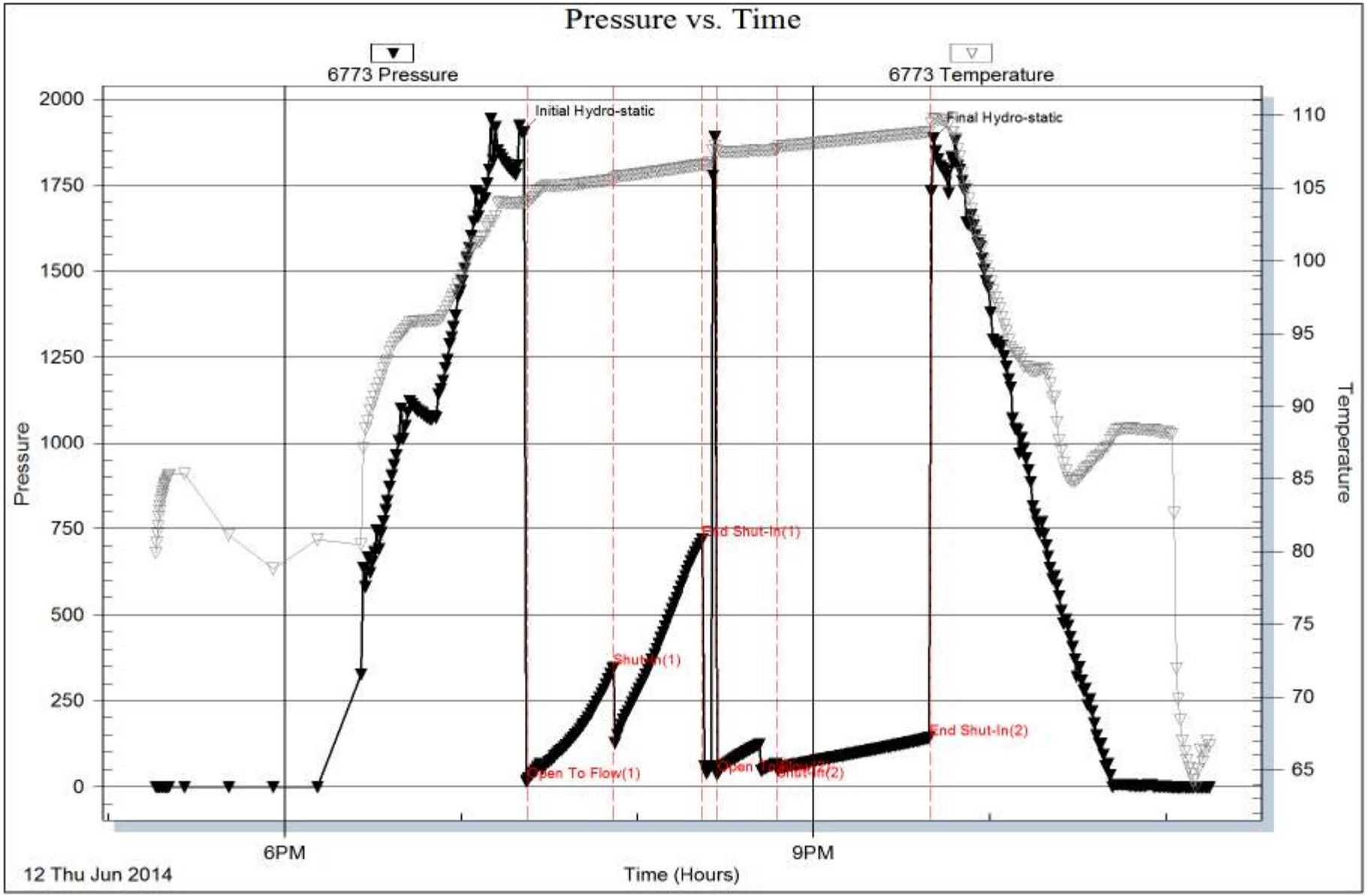
Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

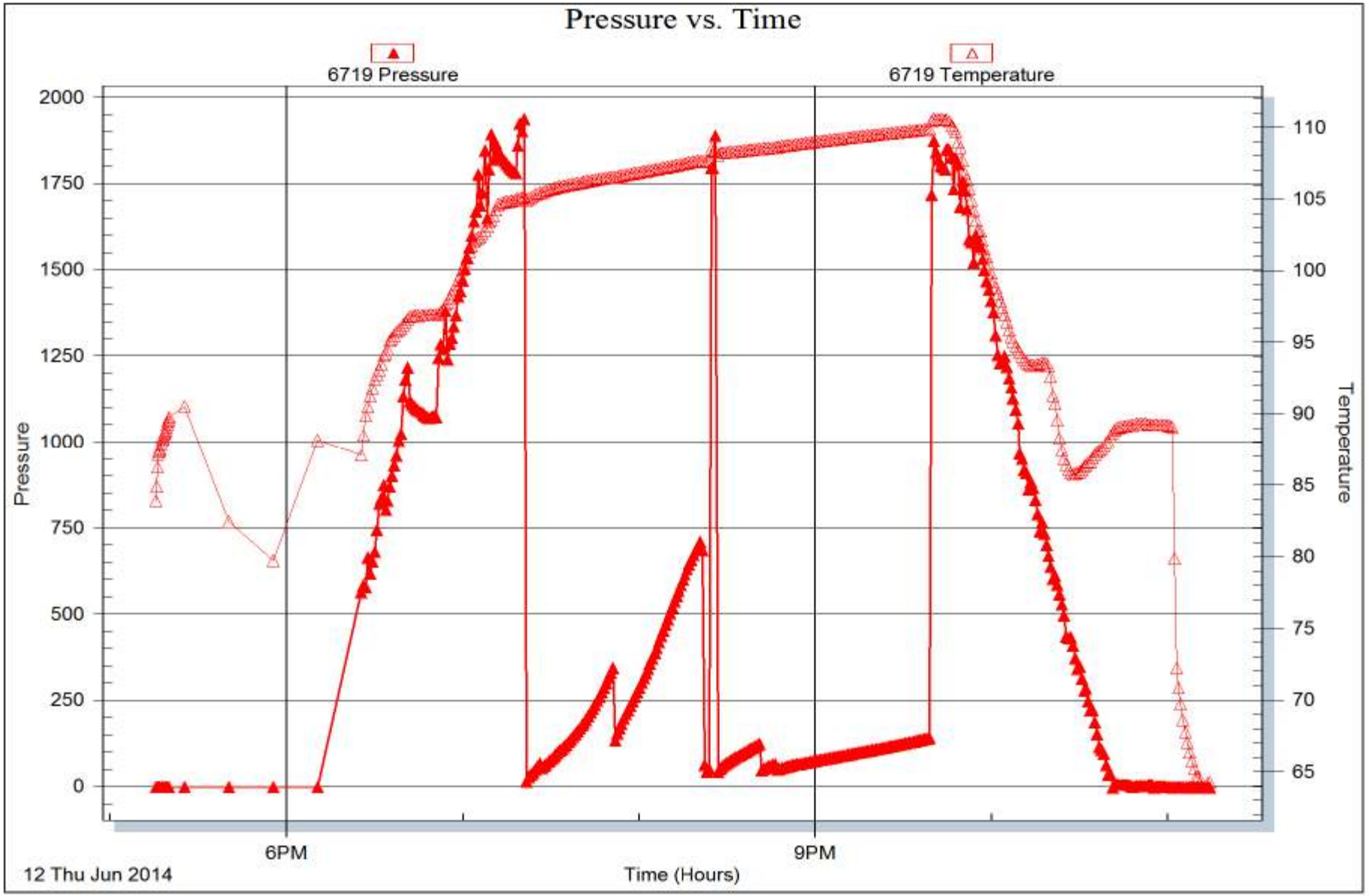
Recovery Comments:

Serial #: 6773 **Outside** American Warrior, Inc. Hoffmaster #3-23 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54181 Printed: 2014.06.16 @ 13:17:19

Serial #: 6719 **Outside** American Warrior, Inc. Hoffmaster #3-23 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54181 Printed: 2014.06.16 @ 13:17:19

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

Hoffmaster #3-23

23-22s-14w Stafford,Ks.

Start Date: 2014.06.13 @ 12:00:04
End Date: 2014.06.13 @ 19:07:04
Job Ticket #: 54182 DST #: 3

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

Printed: 2014.06.16 @ 13:15:53

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54182 **DST#: 3**

Test Start: 2014.06.13 @ 12:00:04

GENERAL INFORMATION:

Formation: **Simpson/Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:43:19
Time Test Ended: 19:07:04

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 53

Interval: 3788.00 ft (KB) To 3859.00 ft (KB) (TVD)
Total Depth: 3859.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

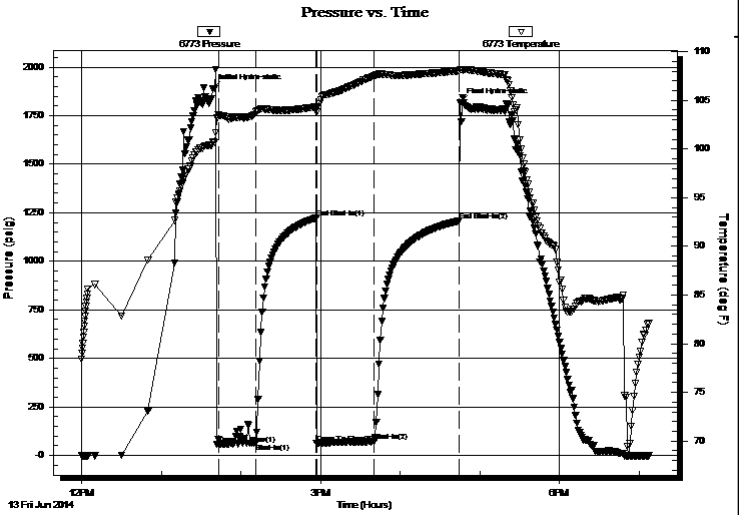
Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6773 **Outside**

Press@RunDepth: 72.34 psig @ 3789.00 ft (KB)
Start Date: 2014.06.13 End Date: 2014.06.13
Start Time: 12:00:09 End Time: 19:07:03

Capacity: 8000.00 psig
Last Calib.: 2014.06.13
Time On Btm: 2014.06.13 @ 13:39:04
Time Off Btm: 2014.06.13 @ 16:45:04

TEST COMMENT: IF: Fair blow . Surf., - 5 1/2 - 6".
ISI: No blow .
FF: Weak blow . Surf., - 1 1/2 - 2".
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.59	100.69	Initial Hydro-static
5	56.59	103.46	Open To Flow (1)
33	64.31	103.83	Shut-In(1)
78	1223.55	104.33	End Shut-In(1)
78	63.87	103.79	Open To Flow (2)
122	72.34	107.51	Shut-In(2)
185	1207.52	108.02	End Shut-In(2)
186	1815.53	108.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOWCM 1%g 1%o 3%w 95%m	0.87
30.00	GOWCM 3%g 1%o 1%w 95%m	0.42
0.00	402' G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54182 **DST#: 3**

Test Start: 2014.06.13 @ 12:00:04

GENERAL INFORMATION:

Formation: **Simpson/Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:43:19
Time Test Ended: 19:07:04

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 53

Interval: 3788.00 ft (KB) To 3859.00 ft (KB) (TVD)
Total Depth: 3859.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

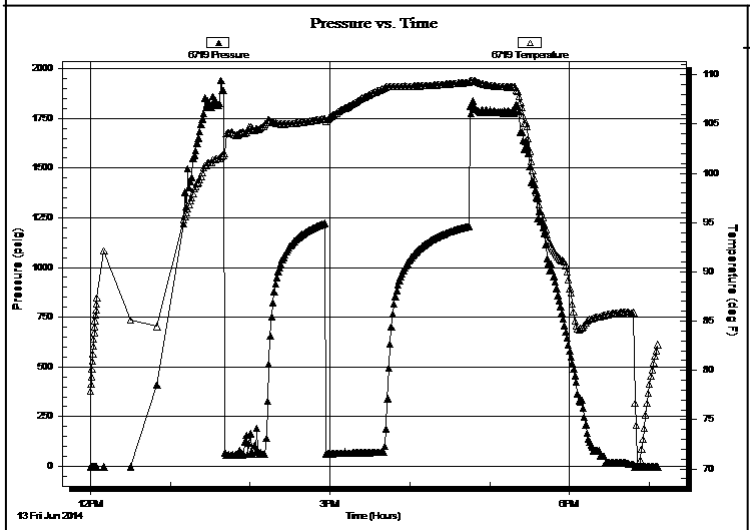
Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6719 **Outside**

Press@RunDepth: psig @ 3789.00 ft (KB)
Start Date: 2014.06.13 End Date: 2014.06.13
Start Time: 12:00:16 End Time: 19:06:55

Capacity: 8000.00 psig
Last Calib.: 2014.06.13
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair blow . Surf., - 5 1/2 - 6".
ISI: No blow .
FF: Weak blow . Surf., - 1 1/2 - 2".
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOWCM 1%g 1%o 3%w 95%m	0.87
30.00	GOWCM 3%g 1%o 1%w 95%m	0.42
0.00	402' G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54182 **DST#: 3**

Test Start: 2014.06.13 @ 12:00:04

Tool Information

Drill Pipe:	Length:	3792.00 ft	Diameter:	3.80 inches	Volume:	53.19 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:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		54000.00 lb
					Total Volume:	53.19 bbl	Tool Chased		10.00 ft
Drill Pipe Above KB:		24.00 ft					String Weight:	Initial	42000.00 lb
Depth to Top Packer:		3788.00 ft						Final	44000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		71.00 ft							
Tool Length:		91.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments: Shale Packer is in tool, in place of bottom packer. Slid 10' on IF:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3769.00		
Shut In Tool	5.00			3774.00		
Hydraulic tool	5.00			3779.00		
Packer	4.00			3783.00	20.00	Bottom Of Top Packer
Packer	5.00			3788.00		
Stubb	1.00			3789.00		
Recorder	0.00	6719	Outside	3789.00		
Recorder	0.00	6773	Outside	3789.00		
Perforations	3.00			3792.00		
Change Over Sub	1.00			3793.00		
Drill Pipe	32.00			3825.00		
Change Over Sub	1.00			3826.00		
Perforations	30.00			3856.00		
Bullnose	3.00			3859.00	71.00	Bottom Packers & Anchor
Total Tool Length:	**91.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Kurt Talbott

23-22s-14w Stafford,Ks.

Hoffmaster #3-23

Job Ticket: 54182 **DST#: 3**

Test Start: 2014.06.13 @ 12:00:04

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:	10000 ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.19 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOWCM 1%g 1%o 3%w 95%m	0.870
30.00	GOWCM 3%g 1%o 1%w 95%m	0.421
0.00	402' G.I.P. 100%g	0.000

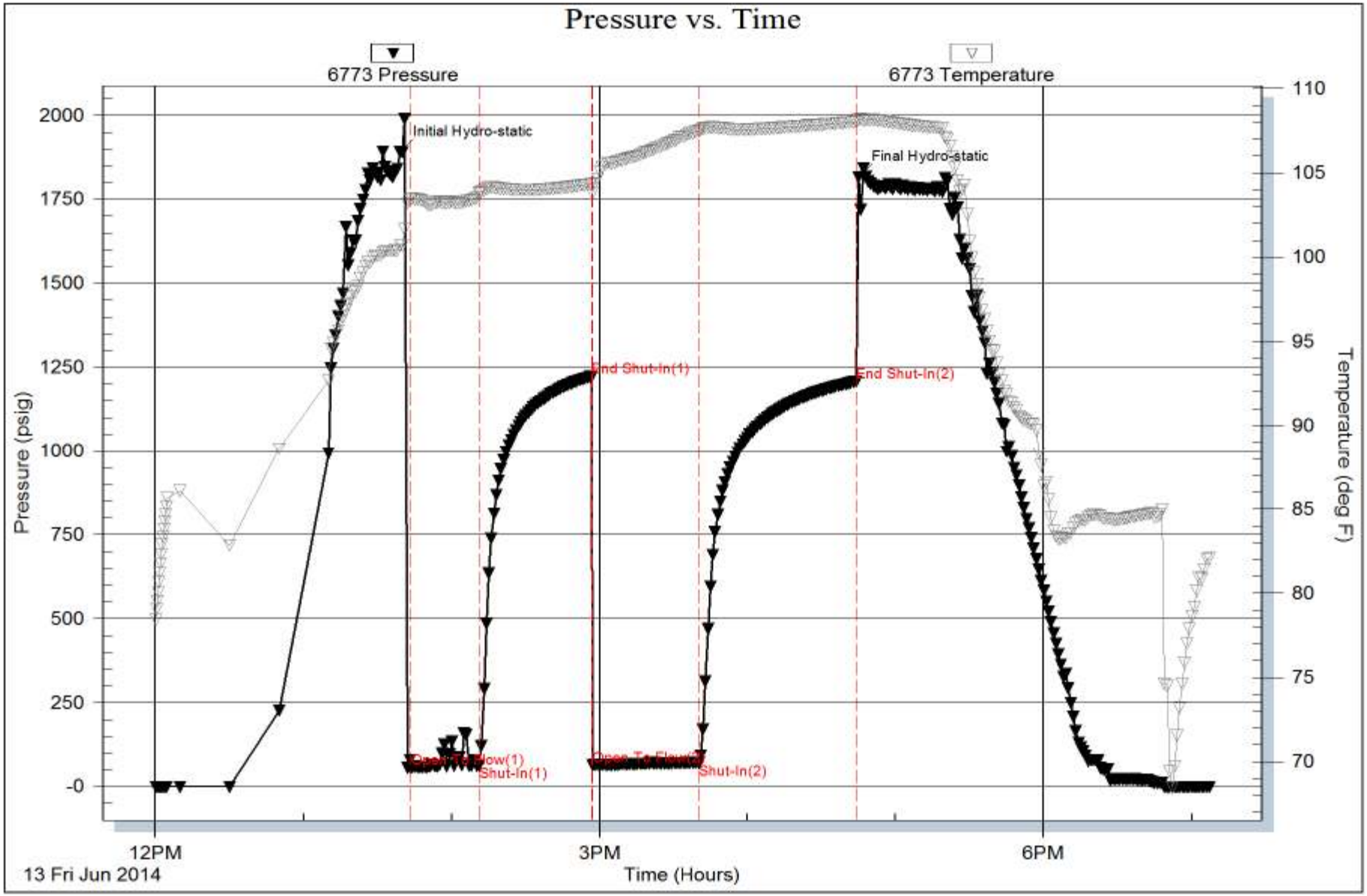
Total Length: 92.00 ft Total Volume: 1.291 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

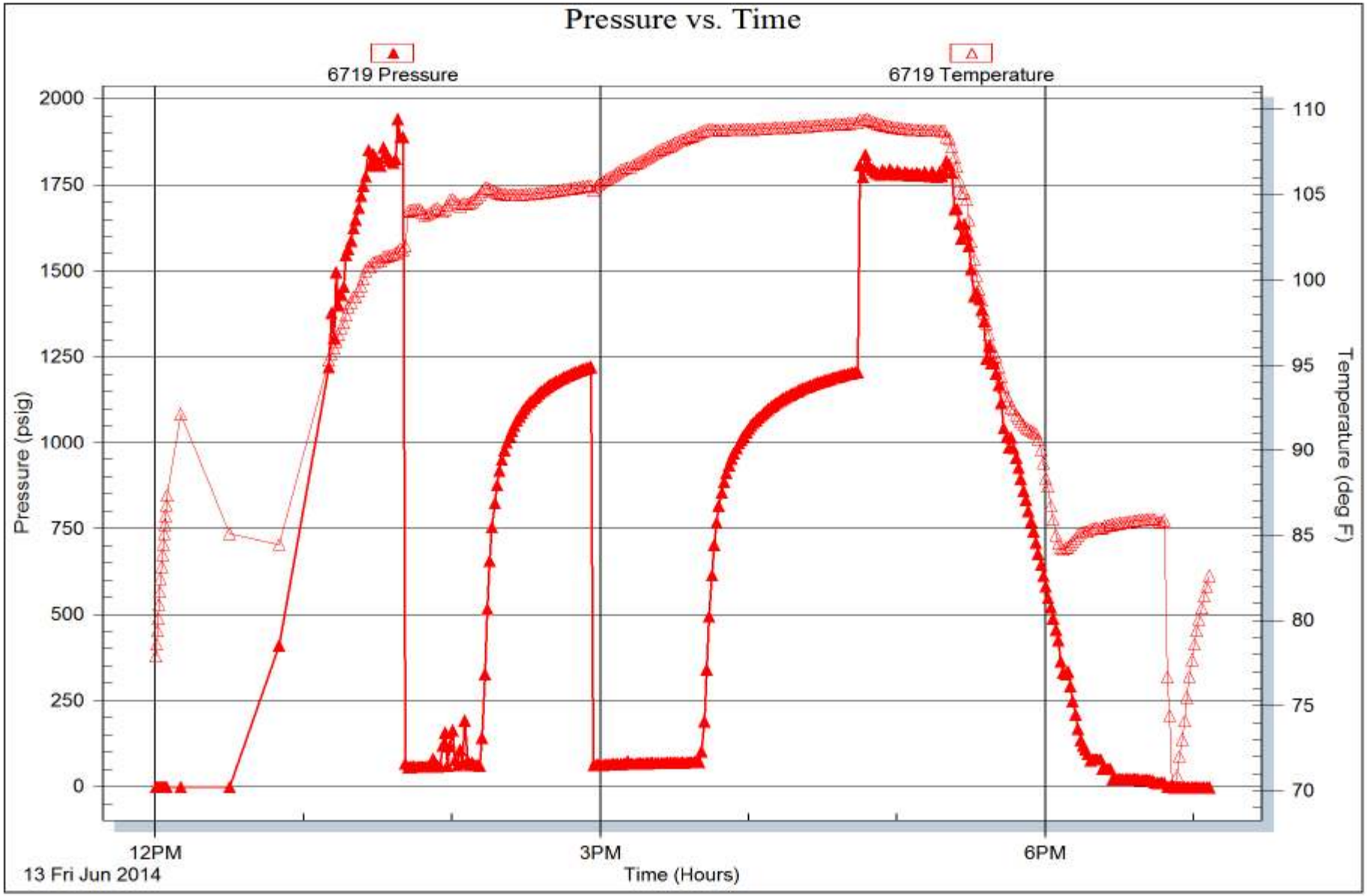
Recovery Comments:

Serial #: 6773 **Outside** American Warrior, Inc. Hoffmaster #3-23 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 54182 Printed: 2014.06.16 @ 13:15:54

Serial #: 6719 **Outside** American Warrior, Inc. Hoffmaster #3-23 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 54182 Printed: 2014.06.16 @ 13:15:54

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54180

Well Name & No. Hoffmaster # 3-23 Test No. 1 Date 6/11/14

Company American Warrior, Inc. Elevation 1938 KB 1930 GL

Address 3118 Cummings RD P.O. Box 399 Garden City, KS. 67846

Co. Rep / Geo. Kurt Talbott Rig Duke Rig # 8

Location: Sec. 23 Twp. 22S Rge. 14W Co. Stafford State KS.

Interval Tested 3576 - 3625 Zone Tested Lansing "H+I"

Anchor Length 49' Drill Pipe Run 3,572' Mud Wt. 8.9

Top Packer Depth 3571 Drill Collars Run Ø Vis 57

Bottom Packer Depth 3576 Wt. Pipe Run Ø WL 8.8

Total Depth 3625 Chlorides 6,600 ppm System LCM 1#

Blow Description IF: Strong blow. B.O.B. in 2½ mins.
ISI: Weak blow. Surf., -2¼". Bleed OFF in 5 mins.
FF: Strong blow. B.O.B in 4 mins.
FSI: Fair blow. Surf., -8". Bleed off in 10 mins.

Rec 1049	Feet of G.I.P.	100 %gas	%oil	%water	%mud
Rec 129'	Feet of GOWCM	43 %gas	31 %oil	14 %water	12 %mud
Rec 186'	Feet of GOWCM	35 %gas	20 %oil	35 %water	10 %mud
Rec 124'	Feet of WCOM	%gas	5 %oil	90 %water	5 %mud
Rec 124'	Feet of WCOM	%gas	2 %oil	95 %water	3 %mud

Rec Total 563' BHT 107° Gravity N.A. API RW .16 @ 63 °F Chlorides 52,500 ppm

(A) Initial Hydrostatic 1776	☑ Test 1150	T-On Location 1530 3:30
(B) First Initial Flow 91	☐ Jars	T-Started 1629
(C) First Final Flow 164	☐ Safety Joint	T-Open 1924
(D) Initial Shut-In 499	☐ Circ Sub	T-Pulled 2225
(E) Second Initial Flow 164	☐ Hourly Standby	T-Out 0421
(F) Second Final Flow 274	☑ Mileage (76) 117.80	Comments wait out Storm.
(G) Final Shut-In 497	☐ Sampler	
(H) Final Hydrostatic 1741	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0
Final Flow 45	☐ Day Standby	Total 1267.80
Final Shut-In 60	☐ Accessibility	MP/DST Disc't
	Sub Total 1267.80	

Approved By _____ Our Representative Matthew J. Smith

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.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54181

Well Name & No. Hoffmaster # 3-23 Test No. 2 Date 6/12/14

Company American Warrior, Inc. Elevation 1938 KB 1930 GL

Address 3118 Cummings RD P.O. Box 399 Garden City, KS. 67846

Co. Rep / Geo. Kurt Talbott Rig Duke Rig # 8

Location: Sec. 23 Twp. 22s Rge. 14w Co. Stafford State KS.

Interval Tested 3757 - 3785 Zone Tested Viola

Anchor Length 28' Drill Pipe Run 3,760' Mud Wt. 9.0

Top Packer Depth 3752 Drill Collars Run 0 Vis 62

Bottom Packer Depth 3757 Wt. Pipe Run 0 WL 11.2

Total Depth 3785 Chlorides 10,500 ppm System LCM 1#

Blow Description IF: Weak blow. Surf. - 1/4".

ISI: No blow.

FF: No blow. Flushed - no blow.

FSI: No blow.

Rec 10'	Feet of Drilling mud (TRACE's oil)	%gas	%oil	%water	100	%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud

Rec Total 10' BHT 109° Gravity N.A. API RW N.C. @ — °F Chlorides 10,500 ppm

(A) Initial Hydrostatic	1904	☑ Test	950	T-On Location	1708 (5:08 pm)
(B) First Initial Flow	18	☐ Jars		T-Started	1715
(C) First Final Flow	345	☐ Safety Joint		T-Open	1922
(D) Initial Shut-In	718	☐ Circ Sub		T-Pulled	2140
(E) Second Initial Flow	35	☐ Hourly Standby		T-Out	2314
(F) Second Final Flow	64	☑ Mileage (74)	117.80	Comments	
(G) Final Shut-In	142	☐ Sampler			
(H) Final Hydrostatic	1885	☐ Straddle		☐ Ruined Shale Packer	
		☑ Shale Packer	250	☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	0
Final Flow	30	☐ Day Standby		Total	1317.80
Final Shut-In	45	☐ Accessibility		MP/DST Disc't	
		Sub Total	1317.80		

Approved By _____ Our Representative Matthew Smith

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.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54182

Well Name & No. Hoffmaster # 3-23 Test No. 3 Date 6/13/14

Company American Warrior, Inc. Elevation 1938 KB 1930 GL

Address 3118 Cummings RD P.O. Box 399 Garden City, KS. 67846

Co. Rep / Geo. Kurt Talbott Rig Duke Rig # 8

Location: Sec. 23 Twp. 22s Rge. 14w Co. Stafford State KS.

Interval Tested 3788 - 3859 Zone Tested Simpson / Arbuckle

Anchor Length 71 Drill Pipe Run 3,792' Mud Wt. 8.8

Top Packer Depth 3783 Drill Collars Run Ø Vis 62

Bottom Packer Depth 3788 Wt. Pipe Run Ø WL 10.2

Total Depth 3859 Chlorides 10,000 ppm System LCM 1/2#

Blow Description IF: Fair blow. Surf., - 5½ - 6".

ISI: No blow.

FF: Weak blow. Surf., - 1½ - 2".

FSI: No blow.

Rec 62'	Feet of GOWCM	1 %gas	1 %oil	3 %water	95 %mud
Rec 30'	Feet of GOWCM	3 %gas	1 %oil	1 %water	95 %mud
Rec 402'	Feet of G.I.P.	100 %gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 92' BHT 108' Gravity N. A. API RW N.C. @ — °F Chlorides 10,000 ppm

(A) Initial Hydrostatic 1890	☑ Test 1150	T-On Location 1153 (11:53 AM)
(B) First Initial Flow 57	☐ Jars	T-Started 1200
(C) First Final Flow 64	☐ Safety Joint	T-Open 1343
(D) Initial Shut-In 1224	☐ Circ Sub	T-Pulled 1645
(E) Second Initial Flow 64	☐ Hourly Standby	T-Out 1907
(F) Second Final Flow 72	☑ Mileage (76) 117.80	Comments
(G) Final Shut-In 1208	☐ Sampler	
(H) Final Hydrostatic 1815	☐ Straddle	☐ Ruined Shale Packer
	☑ Shale Packer 250	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0
Final Flow 45	☐ Day Standby	Total 1517.80
Final Shut-In 60	☐ Accessibility	MP/DST Disc't
	Sub Total 1517.80	

Approved By Our Representative Matthew Smith

Musgrove

Geologist's Report

Company: *American Warrior, Inc.*
Lease: *Hoffmaster #3-23*
Field: *Hoffmaster*
Surface Location: *NW-SW-NE-SW (1949' FSL & 1392' FWL)*
Sec: *23* **Twp:** *22S* **Rge:** *14W*
County: *Stafford* **State:** *Kansas*
GL: *1930'* **KB:** *1938'*

Contractor: *Duke Drilling Co. Rig #8*
Spud: *6/6/14* **Comp:** *6/14/14*
RTD: *3965'* **LTD:** *3966'*
Mud Up: *+/- 3100'* **Mud Type:** *Chemical Displaced*

Drilling Time Kept From: *3200' to RTD*
Samples Saved From: *3200' to RTD*
Samples Examined: *3200' to RTD*
Geoloigcal Supervision: *3450' to RTD*
Geologist on Well: *Kurt Talbott*

Surface Casing: *8 5/8"@ 225'*
Production Casing: *5 1/2" @*

Wireline Logs: *By Pioneer: CNL/CDL, DIL, MEL, SONIC*

Well Comparison

	American Warrior, Inc			Hoffmaster #1		Hoffmaster #3	
	Hoffmaster #3-23						
	1938 KB			1935 KB		1936 KB	
Formation	Log		Log SS	Log	SS	MD	SS
Anhydrite	835		1103	820	1115	833	1103
Base Anhy	858		1080			863	1073
Topeka							
Heebner	3324		-1386	3322	-1387	3326	-1390
Toronto	3345		-1407				
Brown Lime	3453		-1515	3450	-1515	3452	-1516
Lansing	3466		-1528	3463	-1528	3464	-1528
Base KC	3688		-1750	3696	-1761		
Viola	3746		-1808	3760	-1825	3764	-1828
Simpson Shale	3795		-1857	3796	-1861		

SAND				3800	-1865		
ARBUCKLE	3849		-1911	3848	-1913	3846	-1910
TOTAL DEPTH	3966		-2028	3870	-1935	3862	-1926

ROCK TYPES

Cht, Dolprim, Lmst fw<7, shale, grn, shale, gry, Carbon Sh, shale, red

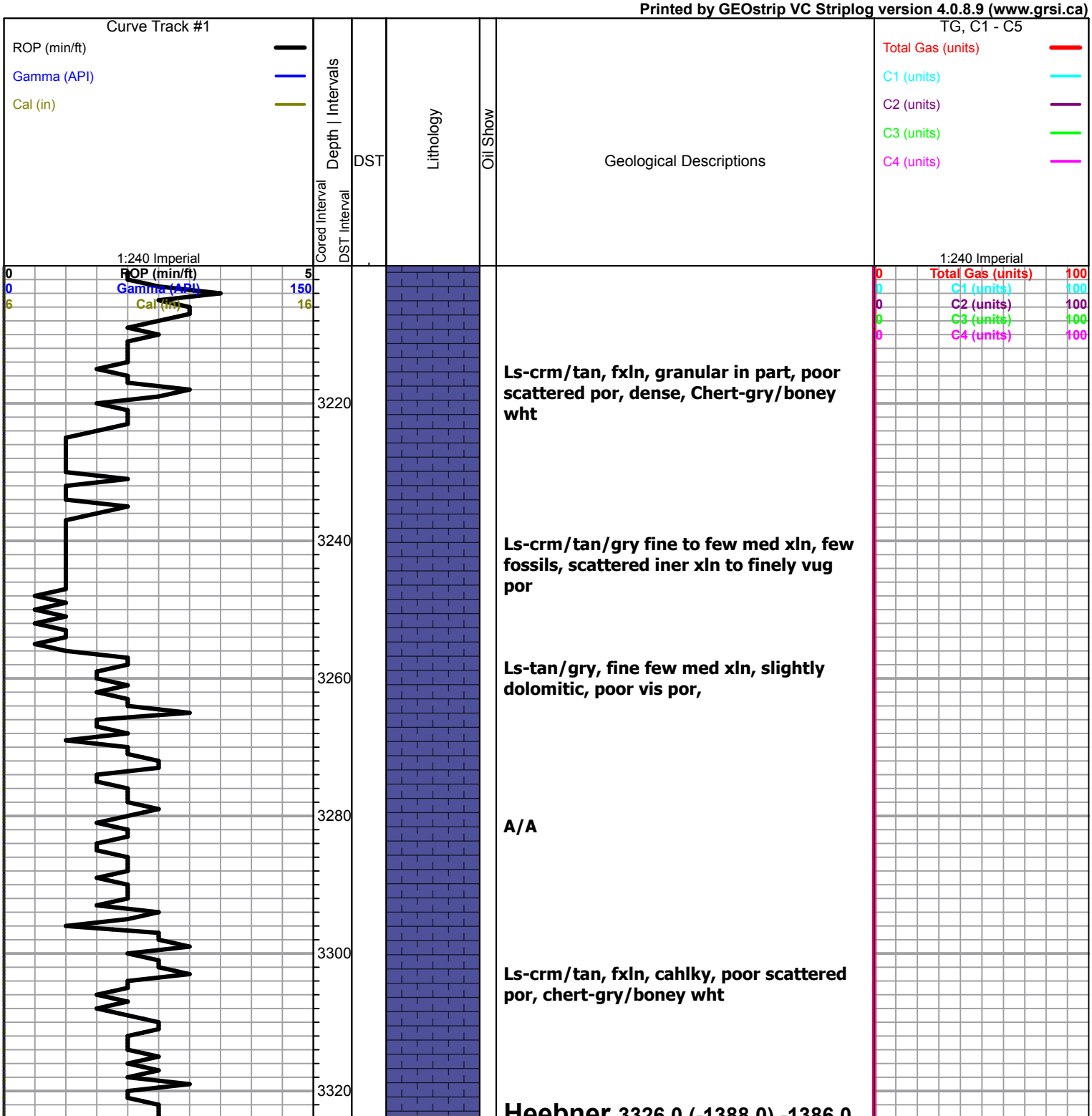
OTHER SYMBOLS

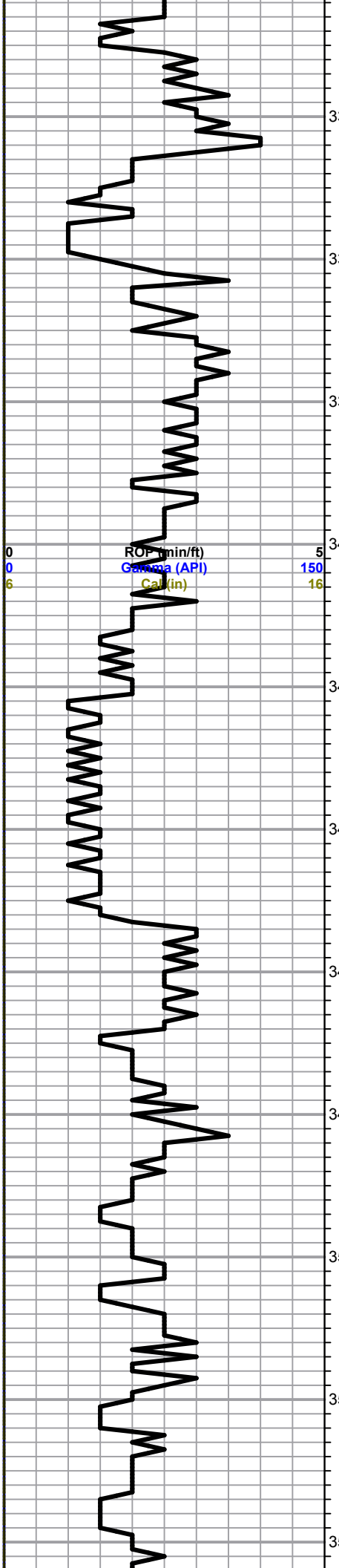
EVENTS
- Casing Shoe
- RTF
- Sidewall
- Left Casing Shoe
- Right Casing Shoe

INTERVALS
- Core
- DST

DST
- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)





Black carbon shale

Shale-gry/grn, soft

Toronto 3346.0 (-1408.0) -1407.0

Ls-crm/wht, fxln, slightly dolomtic, poor vis por, chalky

Douglas 3358.0 (-1420.0) -1424.0

Shale-gry/grn, soft, slightly silty in part, few mica

A/A

Shale-gry/dark gry, soft, silty,

A/A Few mica

Brown Lime 3452.0 (-1514.0) -1515.0

Ls-tan/buff, fxln, dense, poor vis por, cherty in part

Lansing 3468.0 (-1530.0) -1528.0

Ls-crm/wht, fxln, few fossils/ool, poor scattered ppt to iner ool por, chalky, no vis shows

Ls-wht/lt gry, fxln, ool, poor vis por, chalky, chert-gry/wht

Ls-wht/crm, fxln, few fossils, scattered por, cherty in part, slightly chalky, trace stains, NSFO, no odor

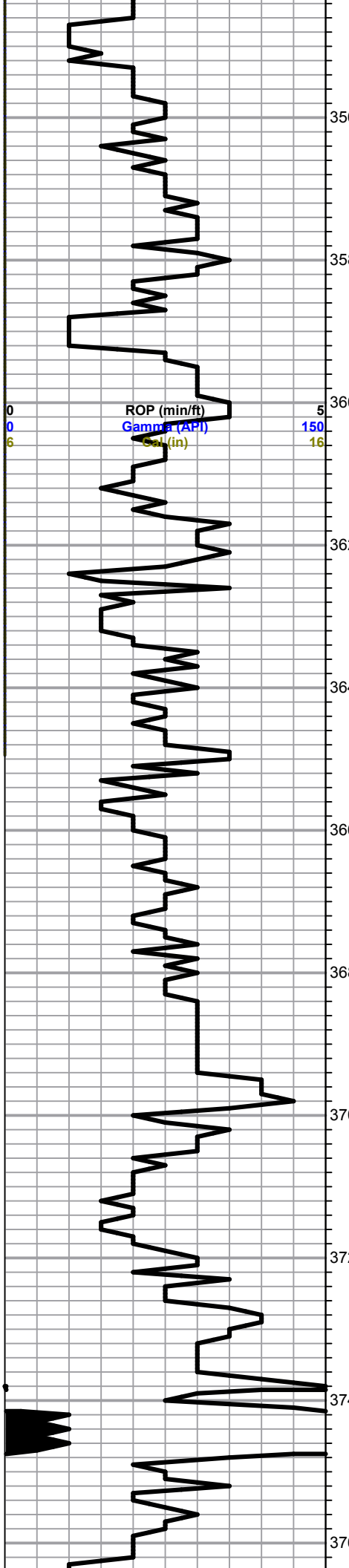
Ls-wht/lt gry, fxln, ool, poor scattered iner xln to finely vuf por,

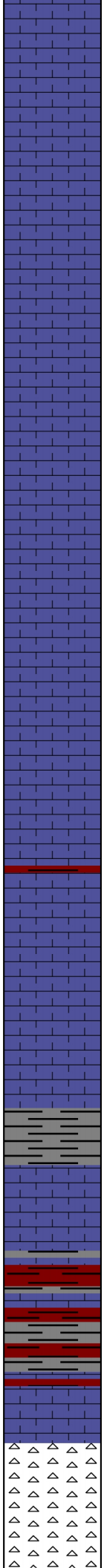
0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

DST #1 3576-3625
30-45-45-60
IF: BOB 2 1/2 min
ISI: Built to 2 1/4"

Recovery:

1049' Gas In Pipe
124' OCMW (2o 3m 95w)
124' OCMW (5o 5m 90w)
62' GOCMW (2g 3m 20o 75w)
124' GMCOW (10m 15o 35w 40g)





Ls-wht/crm, fxln, slightly granular, ool, scattered oom por, chalky, no vis shows

Ls-crm/tan, fxln, ool, scattered sub oom to oom por, dense, no vis shows, slightly chalky

Ls-crm/tan, fxln, ool, fair to good oom por, light to golden brown stains, TrSFO, good odor

Ls-lt gry/wht, fxln, ool, dense, poor to fair iner ool to oom por, golden to dark brown stns, SFO, faint odor

Ls-crm/tan, fxln, dense, ool, poor vis por,

Ls-crm/wht/tan, fxln, ool, scattered fair oom por, dark brown stains, NSFO, faint odor, slightly chalky

Ls-crm/tan, fxln, ool, poor scattered iner xln por, slightly chalky, trace spotty stains, NSFO, faint odor

Ls-crm/wht/lt gry, fxln, ool/fossils, poor vis por, chalky, chert- gry/tan

Ls- A/A poor vis por, denses

Base KC 3688.0 (-1750.0) -1750.0

shale-firm/gry/grn

Ls-wht/lt gry, flxn, few fossils, poor scattered por, no vis shows, slightly chalky

A/A
Shale-gry/green/maroon

Ls-wht/crm, fxln, dense, poor vis por, chert in part

Viola 3748.0 (-1810.0) -1808.0

Chert-crm/tan, semi tripolitic, golden to dark brown stains, SFO, fair gassy odor, Few pieces Dol-tan/buff, fxln, poor iner

124' GOWCM (12m 14w 31o 43 g)
5' GOWCM (10w 20g 20o 50m)

Pressures:

ISIP	499 psi
FSIP	497 psi
IFP	91-164 psi
FFP	164-274 psi
HSH	1776-1741 psi

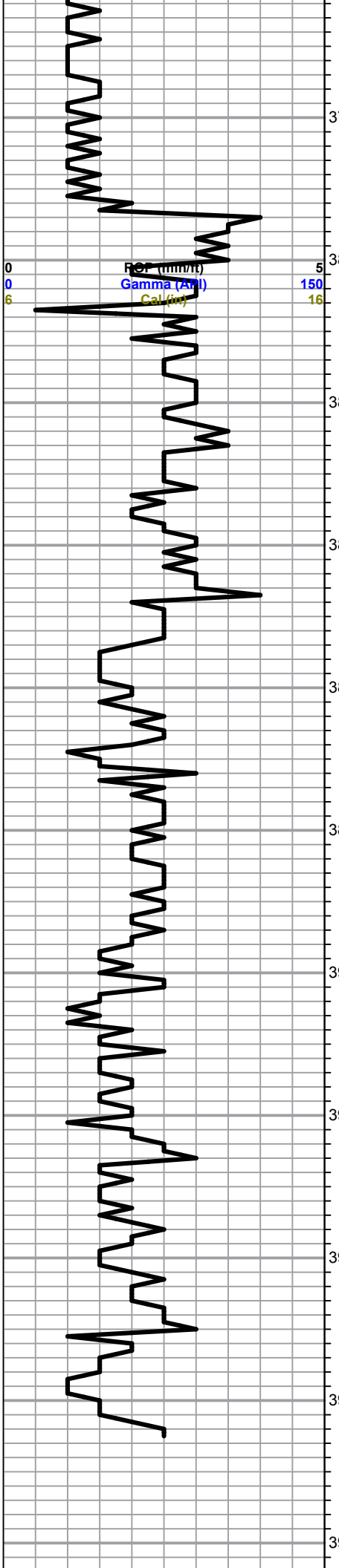
0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

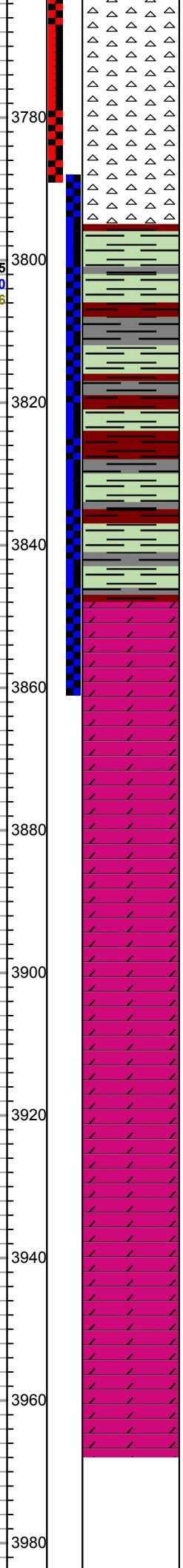
DST # 2 3757-3785
30-30-30-45
IF: Built to 1/4"
ISI: No blow

Recovery:
5' Drilling Mud

Pressures:

ISIP	718 psi
FSIP	142 psi
IFP	18-345 psi
FFP	35-66 psi
HSH	1904-1885 psi





Few pieces Dol-tan/buff, fxln, poor inter xln por, stains, SFO,

Chert-wht/crm, semi trip, few fresh boney wht, dark brown to black staining, Trace to fair SFO, gassy odor

Simpson 3792.0 (-1854.0) -1857.0

Shale-gry/grn/maroon, soft

Shale-varying color

Trace sand- wht/greeninsh, fine grained, mostly friable, trace spotty stains, no show free oil

Arbuckle 3853.0 (-1915.0) -1911.0

Dol-tan/crm, fine to few med xln, fair oom por, dark brown to black stains, SFO, good odor, chert-cmr/boney wht

Dol-crm/tan, fine to med xln, dense, fair iner xln to oom por, dark brown to black stains, NSFO, cherty

Dol-crm/tan, fine to med xln, few rhomb xln, dense, trace stains, NSFO, faint odor, cherty, slightly chalky

A/A Losing stains/odor

Dol-wht/crm, f-med few rhomb xln, dense, cherty-boney wht,trace stains, NSFO

A/A

Dol-crm/tan, med rhomb xln, fair iner xln por, no odor, no stains, cherty-boney wht/crm

Total Depth 3965.0 (-2027.0) -2028.0

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

DST #3 3788-3859
30-45-45-60
IF: Built to 6"
ISI: No blow

Recovery:
62' GOWCM
30' GOWCM
402' Gas In Pipe

Pressures:

ISIP	1224 psi
FSIP	1208 psi
IFP	57-64 psi
FFP	64-72 psi
HSH	1890-1815 psi