KOLAR Document ID: 1278202

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
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: Daniel T. Johnson
Purchaser: ____

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☑ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

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

10/28/2015	11/05/2015	01/05/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-035-24650-00-00
Spot Description: ____
NW - SW - SW - SE Sec. 6 Twp. 34 S. R. 3 ☑ East ☐ West
610 Feet from ☐ North / ☑ South Line of Section
2878 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: Cowley
Lease Name: Houk Well #: B #1
Field Name: ____
Producing Formation: Miss
Elevation: Ground: 1089 Kelly Bushing: 1102
Total Vertical Depth: 3800 Plug Back Total Depth: ____
Amount of Surface Pipe Set and Cemented at: 312 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from: ____
feet depth to: ____ w/ ____ sx cmt.

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

AFFIDAVIT
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
☑ **Confidentiality Requested**
Date: 01/18/2016
☑ **Confidential Release Date:** 01/17/2018
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/19/2016

Page Two

Operator Name: American Warrior, Inc. Lease Name: Houk Well #: B #1

Sec. 6 Twp. 34 S. R. 3 ☑ East ☐ West County: Cowley

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

Geologist Report / Mud Logs ☐ Yes ☐ No

List All E. Logs Run:
Attached

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

Name	Top	Datum
Cattleman	3244	-2142
Peru	3155	-2053
Miss	3500	-2398

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
Conductor	17.50	13.375	48	57	class A	165	3%cc/2%gel
Surface	12.25	8.625	24	312	60/40 poz	210	3%cc/2%gel
Production	7.875	5.50	15.5	3783	AA-2	175	10%salt

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	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection: 01/15/2016

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

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

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)*

PRODUCTION INTERVAL: Top Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: 2.875 Set At: 3517 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Houk B #1
Doc ID	1278202

All Electric Logs Run

Dual IND
Fracfinder
Dual Comp Prosity
Micro
Sonis

Form	ACO1 - Well Completion
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Well Name	Houk B #1
Doc ID	1278202

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.50	13.375	48	57	class A	165	3%cc/2%gel
Surface	12.25	8.625	24	312	60/40 poz	210	3%cc/2%gel
Production	7.875	5.50	15.5	3783	AA-2	175	10%salt

DANIEL T. JOHNSON
Consulting Geologist
19749 121st Road, Winfield, Kansas 67156
Cell 620-229-3258, Daniel.johnson3258@gmail.com

Geologic Report

American Warrior, Inc.
Houk B #1
610 FSL, 2878 FWL 6-T34S-R3E
Cowley County, Kansas

The Houk B#1 was drilled to a Rotary Total Depth of 3800'(-2698). Arbuckle Ls was the deepest formation encountered at 3762'(-2660). Production casing was set to further test for commercial hydrocarbon production from the following intervals. Intervals are listed in ascending order and do not reflect an order of quality or importance.

Recommended perforations:

Mississippian Ls. 3500'-3540' Ls, dark brown- grey, fine- medium crystalline, slightly dolomitic, some packstone, fossil fragments in matrix, trace edge fluorescence, good halo residual fluorescence, no odor observed, no free oil in sample. E logs indicate fracturing, 250 ohms deep resisitivity, 4-6% neutron-density porosity, permeability indicated by microlog crossover. This interval is a recently discovered reservoir in the area. Stimulation will be required.

Mississippian Chert 3366'-3670' Chert, white-lt brown stain, mostly weathered, good porosity, bright edge fluorescence, show of oil along fractured edges, light brown stain in weathered portion, faint- fair odor. E logs indicate26-40% water saturations in the upper portion. Mudcake and Spontaneous Potential deflection and Microlog crossover indicate reservoir permeability. DST #2 results contradict these observations. Obviously, the formation will have to be stimulated to produce a sufficient volume to be commercial.

Bartlesville Ss 3628'-3640' Sandstone, light tan, fine grained, well sorted, poor- fair intergranular porosity, show of free oil, faint odor, bright spotty fluorescence in20% sample, fair streaming cut. DST #1 covered this interval, recovering 121' GIP, 60 WCM(see attached DST report) which would appear to condemn the interval. E log analysis indicates a possibly productive formation.

Other intervals with lesser shows:

Mississippian Ls 3630'-3670', 3556-3600' Both intervals are similar to the recommended interval 3500'-3540', however, with decreased resistivities. If the recommended interval proves commercial, these intervals should be considered to test in this well, or future development.

Cattleman Ss 3244-3248' This interval has contained similar oil shows in the area. Good initial tests have all depleted rapidly, indicating lack of permeability, or limited reservoir.

Peru Ss 3155-3164' This interval has been observed to be similar to the Cattleman above.

Summary: The Houk B#1 revealed indications of hydrocarbons sufficient to warrant further testing through pipe. By comparison with previous test wells in the area, the captioned well has the potential to be commercially productive from three separate intervals.

In my opinion, the Mississippian Ls. 3500-3540 has the greatest potential to be commercially productive. Comparison to other wells currently producing from this interval supports this observation. There is much to learn about this reservoir as it is a relatively new producing interval in this area.

In addition to the above, the Bartlesville Sandstone appears to have good potential to produce. The nearest production from this formation came from the McNeish #1 Houk, approximately ½ mile south. 509,400mcf and 1194bo are attributed to the Houk lease. Structurally, the Houk B #1 encountered the Bartlesville at (-2226'subsea), 6' low to the Houk #1. If the two wells share a common reservoir, excessive water production would not be expected by this author.

The Mississippian Chert 3366-70'(-2264) appears to be in a reasonable structural position relative to surrounding wells. The nearest productive well is ½ mile away. Based on the sample show and E logs, the formation warrants further testing. The disappointing recovery from DST #2, 6' mud, is typical of the Chert in the area and will require stimulation to produce sufficient fluid quantity.

Overall, the results of drilling operations on the captioned well are encouraging to this author. A successful completion may warrant additional development in the area.

Respectfully submitted,

Daniel T. Johnson
Consulting Geologist

Attachments:
B 1 Houk DST1.pdf
B 2 Houk DST2.pdf
B 3 Houk DST3.pdf

BASIC energy services, L.P.

TREATMENT REPORT

Customer: American Warrior	Lease No.	Date: 11-5-15	
Lease: Houk	Well #: "B" #1		
Field Order #: 12,880	Station: Pratt, Kansas	Casing: 5 1/2 15.5 Lb.	Depth: 3,770 Feet
County: Cowley	State: Kansas		
Type Job: C.N.W. - Longstring Cement	Formation	Legal Description: 6-34S-3E	

PIPE DATA		PERFORATING DATA		ACID/FRAC USED	TREATMENT RESUME		
Casing Size: 5 1/2 15.5	Tubing Size: 5 Lb. Ft.	Shots/Ft	175 sacks AA-2 with .2%	Defoamer	RATE	PRESS	ISIP
Depth: 3,770 Feet	Depth	From	To 1085 Cu. Ft. .38% Friction	Reducer, .5% Fluid Loss,			5 Min.
Volume: 89.7 Bbl.	Volume -	From	To 5 Lb/Sk. Gilsonite		Min		10 Min.
Max Press: 1,700 P.S.I.	Max Press	From	To 19.3 Lb. Gal., 5.54 Gal./Sk		Avg: 4.1, 1.36 Cu. Ft./Sk.		15 Min.
Well Connection: Plug Container	Annulus Vol.	From 50 sacks	To 60/40 Poz to plug Rat &		HHP Used: 30 sks) and	Mouse (20 sks) Holes	Annulus Pressure
Plug Depth: 2,750 Feet	Packer Depth	From	To	Flush: 89.25 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative: Jason Bruns | Station Manager: Kevin Gordley | Treater: Clarence R. Messick

Service Units	37,216	33708	20,920	19,960	19,862						
Driver Names	Messick	Sullivan		Ernst							

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:30	11-4-15			Truck on	location and hold safety meeting.
1:30A	M 11-5-	15 Duke Drilling		start to run	Auto Fill Float Shoe, Shoe Joint with
	Latch Down Baffle screwed into				collar and a total of 90 Joints new 15.5 Lb
	Ft. 5 1/2" casing. A Basket was installed above collars # 2, 11, and # 18. A Turbolizer				
	was installed on collars # 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, and # 25.				
3:30				Casing in	well. Circulate for 45 minutes.
4:20	2,000				Shut in well. Pressure Test. Open well.
	500			5	Start Fresh water Pre-Flush.
	)		5	5	Start mud Flush.
			17	5	Start Fresh water spacer.
4:30	500		22	5	Start mixing 175 sacks AA-2 Blend cemen
	-0-		64		Stop pumping. Shut in well. Wash pump and
					lines. Release Latch Down Plug. Open well.
4:45	100			6.5	Start Fresh water Displacement.
			50	5	Start to lift cement.
5:00	1,200		89.25		Plug down.
	1,800				Pressure up.
	-0-				Release pressure. Float shoe held.
	-0-		7.5	3	Plug Rat and mouse holes.
					Wash up pump truck.
5:45					Job Complete.
					Thank You.

Clarence Robert Shown

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

6-34S-3E

FIELD SERVICE TICKET
1718 12880 A

DATE TICKET NO.

DATE OF JOB 11-5-15 DISTRICT Pratt, Kansas	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER American Warrior	LEASE Houk "B" WELL NO. 1
ADDRESS	COUNTY Cowley STATE Kansas
CITY STATE	SERVICE CREW C. Messick; R. Sullivan; S. Ernst
AUTHORIZED BY	JOB TYPE: C. A/W: Longstring

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
20920	.5				
19,862	.25				

	DATE	AM/PM	TIME
TRUCK CALLED	11-4-15	AM/PM	1:30
ARRIVED AT JOB	11-4-15	AM/PM	9:30
START OPERATION	11-5-15	AM/PM	4:30
FINISH OPERATION	11-5-15	AM/PM	5:30
RELEASED	11-5-15	AM/PM	5:45
MILES FROM STATION TO WELL			1.00

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
cP105	AA2 Cement	sk	175		2,975 00
cP103	60/40 Poz	sk	50		600 00
cc105	C-41P	Lb	33		132 00
cc111	Salt	Lb	810		405 00
cc112	Cement Friction Reducer	Lb	50		300 00
cc129	FLA-322	Lb	83		622 50
cc209	Gilsonite	Lb	375		586 25
cF607	Latch Down Plug and Baffle, 5½"	Ea	1		400 00
cF1251	AutoFill Float Shoe, 5½"	Ea	1		360 00
cF1651	Turbolizer, 5½"	Ea	13		1,430 00
cF1901	5½" Basket	Ea	3		870 00
cc151	Mud Flush	Gal	500		750 00
E100	Pickup Mileage	mi	100		450 00
E101	Heavy Equipment Mileage	mi	200		1,500 00
E113	Bulk Delivery	TM	1040		2,600 00
cE204	Depth Charge: 3,001 Feet To 4,000 Feet	4Hr	1		2,160 00
cE240	Blending and Mixing	sk	225		315 00
cE504	Plug Container	Job	1		250 00
5003	Service Supervisor	Ea	1		175 00

SUB TOTAL $ 16,880 75

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	

TOTAL KAP $ 8,440 38

SERVICE REPRESENTATIVE R. Sullivan

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

ALLIED
OIL & GAS SERVICES, LLC

Depend On Us

Post Job Report

AmmericanWarrior

Houk B-1
Rig Name
10/28/2015
Conductor

ALLIED OIL & GAS SERVICES, LLC

Cementing Services
Field Ticket

Printed on 10/30/2015 at 1:53 AM

Field Ticket Number: MLK10153012	*Field Ticket Date:*	Friday, October 30, 2015

Bill To:
AMERICAN WARRIOR
GARDEN CITY, KS 67846
P.O. BOX 399

Job Name:	07 Conductor
Well Location:	COWLEY, KANSAS
Well Name:	HOUK
Well Number:	B-1
Well Type:	New Well
Rig Number:	DUKE 7 #
Shipping Point:	Medicine Lodge, KS
Sales Office:	Mid Con

PERSONEL		EQUIPMENT	
JAKE HEARD		CEMENTERS PICK-UP 717	
ROGER SMITH		CEMENTERS PICK-UP 929	
KINDEL HOLIMAN		PUMP TRUCK 666-469	
WAYNE RUCKER		BULK TRUCK 950-643	

SERVICES - SERVICES - SERVICES

Description	QTY	UOM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PUMP,CASING CEMENT 0-500 FT	1.00	min. 4 hr	1,512.25	1512.25	907.35	40.0%	907.35
PHDL	229.00	per cu. Ft.	2.48	567.92	1.49	40.0%	340.75
DRYG	519.00	ton-mile	2.75	1427.25	1.65	40.0%	856.35
MILV	50.00	per mile	4.40	220.00	2.64	40.0%	132.00
MIHV	50.00	per mile	7.70	385.00	4.62	40.0%	231.00

MATERIALS - MATERIALS - MATERIALS

CCAC	210.00	sack	17.90	3,759.00	10.74	40.0%	2,255.40
CA-100	593.00	pound	1.10	652.30	0.66	40.0%	391.38
GGEL	395.00	pound	1.05	414.75	0.63	40.0%	248.85

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS

Additional hours, in excess of set hours		per hour	440.00	0.00	264.00	40.0%	0.00

	Gross	*Discount*	*Final*
Services Total	4,112.42	1,644.97	2,467.45
Equipment Total	0.00	0.00	0.00
Materials Total	4,826.05	1,930.42	2,895.63
Additional Items	0.00	0.00	0.00
Final Total	8,938.47	3,575.39	5,363.08

Allied Rep JAKE HEARD
Customer Agent:

This output does NOT include taxes. Applicable sales tax will be billed on the final invoice.
Customer hereby acknowledges receipt of the materials and services described above and on the attached documents.
I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the following page.

X
Customer Signature

Field Ticket Total (USD): **$5,363.08**

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Oil & Gas Services, LLC, and "CUSTOMER" shall refer to the party identified by that term on the front of this contract. As applicable, "JOB" relates to the services described on the front side of this contract, "MERCHANDISE" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

TERMS: Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to ALLIED before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, CUSTOMER agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that CUSTOMER may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate. Any amounts previously paid as excess interest shall be deducted from the amounts owing from the CUSTOMER or at the option of ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED and CUSTOMER agree that Kansas law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

ALLIED
OIL & GAS SERVICES, LLC

Slurry Details									
SPACER			Water Req gal/sk	0	Yield ft³/sk	0	# Sacks	0	
Fluid Composition									
Water									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
3.25	0	2.1	40	2.24	46	0	100	12:54 AM	12:56 AM

CEMENT			Water Req gal/sk	0	Yield ft³/sk	0	# Sacks	0	
Fluid Composition									
Cement									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
46.09	15.02	2.59	109	3.64	215	0	0	1:00 AM	1:17 AM

DISPLACMENT			Water Req gal/sk	0	Yield ft³/sk	0	# Sacks	0	
Fluid Composition									
Water									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
2.25	14.22	2.06	46	2.33	62	0	0	1:19 AM	1:20 AM

Event Summary					
Activity Description (Job Marker)	Dens PPG	Press PSI	Rate bpm	Total bbl	Time
Paused 00:30:45-00:47:55	0.00	24.00	0.00	0.00	12:30:45 AM
PSI TEST 1000	0.00	24.00	0.70	0.00	12:52:31 AM
PUMP SPACER 3 BBL	0.00	24.00	0.00	0.20	12:54:19 AM
START MIX CEMENT	9.10	24.00	0.00	0.00	12:58:28 AM
Pump cement	13.38	24.00	0.00	0.00	12:59:58 AM
DISPLACE4.25 BBL	15.80	29.00	1.06	47.20	1:18:56 AM
SHUT DOWN	11.90	24.00	0.01	4.10	1:21:17 AM
Paused 01:26:15	13.07	73.00	3.13	5.50	1:26:14 AM

ALLIED OIL & GAS SERVICES, LLC

Cement Job Summary

Job Number:	MLK151029000	Job Purpose	07 Conductor		
Customer:	AMERICAN WARRIOR			Date:	10/29/2015
Well Name:	HOUK		Number: B-1	API/UWI:	
County:	COWLEY	City:	GEUDA SPRINGS	State:	KANSAS
Cust. Rep:		Phone:		Rig Phone:	
Distance	50 miles (one way)		Supervisor	Jake Heard	

Employees:	Emp. ID:	Employees:	Emp. ID:
JAKE HEARD	#N/A		
ROGER SMITH	#N/A		
KINDEL HOLIMAN	0		
WAYNE RUCKER	#N/A		

Equipment:	
CEMENTERS PICK-UP 717	
CEMENTERS PICK-UP 929	
PUMP TRUCK 986-469	
BULK TRUCK 950-643	

Materials - Pumping Schedule

STAGE #1

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	5	0.00	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Tail 1	CLASS A COMMON	165	14.96	1.34	6.20

Slurry: Tail 1	Slurry Name: CLASS A COMMON				
Quantity:	165 sacks	Blend Vol:	179.39 cu.ft.	cu.ft.	Blend Weight: 16285.5 lbs

Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CCAC	CLASS A COMMON	94	% Base Materia	15510.0	lbm
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	465.3	lbm
CGEL	GEL - BENTONITE	1.88	% BWOC	310.2	lbm
Water	Mixing Water	6.20	gal/sk	1023.0	gal

Job Number:	MLK151029000	Job Purpose	07 Conductor		
Customer:	AMERICAN WARRIOR			Date:	10/29/2015
Well Name:	HOUK		Number: B-1	API/UWI:	
County:	COWLEY	City:	GEUDA SPRINGS	State:	KANSAS
Cust. Rep:		Phone:		Rig Phone:	0
Distance	50 miles (one way)		Supervisor	Jake Heard	

DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
	AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
10/29/2015	12:00:00 AM					ARRIVE ON LOCATION
						SAFETY MEETING
						SPOT IN RIG UP
						SAFETY MEETING
		1000				PRESSURE TEST
		100		3	3	PUMP SPACER
		130		39.37	3.5	MIX AND PUMP CEMENT
		80		4.25	2	DISPLACE
						STOP
	1:15:00 AM					SHUT IN
						WASH UP

ALLIED
OIL & GAS SERVICES, LLC

Depend On Us

Post Job Report

AMERICAN WARRIOR

HOUNK SURFACE B1
Rig Name
10/29/2015
Surface
COWLEY,Kansas

ALLIED OIL & GAS SERVICES, LLC

REVISED

Cementing Services
Field Ticket

Printed on 10/31/2015 at 11:45 AM

Field Ticket Number: MLK10153012	*Field Ticket Date:*	Thursday, October 30, 2015

Bill To:
AMERICAN WARRIOR
GARDEN CITY, KS 67846
P.O. BOX 399

Job Name:	01 Surface
Well Location:	COWLEY, KANSAS
Well Name:	HOUK
Well Number:	B-1
Well Type:	New Well
Rig Number:	DUKE 7 #
Shipping Point:	Medicine Lodge, KS
Sales Office:	Mid Con

PERSONEL		EQUIPMENT	
JAKE HEARD		CEMENTERS PICK-UP 717	
ROGER SMITH		CEMENTERS PICK-UP 929	
KINDEL HOLIMAN		PUMP TRUCK 986-469	
WAYNE RUCKER		BULK TRUCK 950-643	

SERVICES - SERVICES - SERVICES

Description	QTY	UOM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PUMP,CASING CEMENT 0-500 FT	1.00	min. 4 hr	1,512.25	1512.25	907.35	40.0%	907.35
CMLP	1.00	per day	275.00	275.00	165.00	40.0%	165.00
PHDL	229.00	per cu. Ft.	2.48	567.92	1.49	40.0%	340.75
DRYG	519.00	ton-mile	2.75	1427.25	1.65	40.0%	856.35
MILV	50.00	per mile	4.40	220.00	2.64	40.0%	132.00
MIHV	50.00	per mile	7.70	385.00	4.62	40.0%	231.00

FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT

TRP-8.625	1.00	each	131.00	131.00	78.60	40.0%	78.60

MATERIALS - MATERIALS - MATERIALS

CCAC	210.00	sack	17.90	3,759.00	10.74	40.0%	2,255.40
CA-100	593.00	pound	1.10	652.30	0.66	40.0%	391.38
CGEL	395.00	pound	1.05	414.75	0.63	40.0%	248.85

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS

Additional hours, in excess of set hours		per hour	440.00	0.00	264.00	40.0%	0.00

	Gross	Discount	Final
Services Total	4,387.42	1,754.97	2,632.45
Equipment Total	131.00	52.40	78.60
Materials Total	4,826.05	1,930.42	2,895.63
Additional Items	0.00	0.00	0.00
Final Total	9,344.47	3,737.79	5,606.68

Allied Rep JAKE HEARD
Customer Agent: GALEN D. ROACH

This output does NOT include taxes. Applicable sales tax will be billed on the final invoice.
Customer hereby acknowledges receipt of the materials and services described above and on the attached documents.
I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the following page.

X

Customer Signature

Field Ticket Total (USD): $5,606.68

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ALLIED OIL & GAS SERVICES, LLC

CEMENTING - DISPATCH SHEET

Job Number		By Kevin Brungardt	Field	Date	10/29/2015
Company	American Warrior		Rep Galen Roach	Phone	620-786-1728
Lease Name and Number	Houk B-1		Drilling Contractor	Duke Drilling #7	
County	Cowley	State Kansas	Township	34S	
Formation		Section 6	Range	03E	
Tubing Size & Weight		Depth	Casing Size & Weight	8.625" x 24.0#	Depth 325'
Type Job	Surface Casing	Pre Flush Fresh Water	Hole Size	12.25"	

1st Stage 175 sacks Class A + 3% Calcium Chloride + 2% Gel

Lead	Yield	Weight	Water	Tail	Yield	Weight	Water
	1.34	15.2	6.51				

2nd Stage

Lead	Yield	Weight	Water	Tail	Yield	Weight	Water

Location	Pump	Call In	Yard
Time	Time	Time	Time
Top Plug	Bottom Plug	Displacement Type (Fluid)	Fresh Water

Special Instructions ALL OKLAHOMA JOBS REQUIRE FULL FACTS

They will have 45' of 13 3/8" conductor set

OR GO TO MM#13 ON HWY. 166, then North 5.0 miles, East 1.0 miles, South 1.0 miles, East 0.75 miles, S/E into

Cementer: Roger Smith Unit #

Unit No.	Driver	Total Equipment and Crew	Directions
	Kindel Holiman		Gauda Springs, Kansas
	Wayne Rucker		West 1.0 miles
			North 1.0 miles
			East 1.0 miles
			South 1.0 miles
			East 0.75 miles
			S/E into

Front Pot	Unit No.	Back Pot	Front Pot	Unit No.	Back Pot

Materials	Pounds	Materials	Pounds	Materials	Pounds	Materials	Pounds
Class A	16450						
Calcium Chloride	329						
Gel	329						
175 sacks							
Total Pounds	17108	Total Pounds		Total Pounds		Total Pounds	

ALLIED OIL & GAS SERVICES, LLC

Cementing Services
Field Ticket

Printed on 10/31/2015 at 11:45 AM

Field Ticket Number: MLK10153012 *Field Ticket Date:* Thursday, October 30, 2015

Bill To:
AMERICAN WARRIOR
GARDEN CITY, KS 67846
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ROGER SMITH		CEMENTERS PICK-UP 929	
KINDEL HOLIMAN		PUMP TRUCK 986-469	
WAYNE RUCKER		BULK TRUCK 950-643	
10:47 AM - 1:26 A.M			

SERVICES - SERVICES - SERVICES

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Customer Agent: GALEN D. ROACH

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ALLIED
OIL & GAS SERVICES, LLC

Slurry Details									
FSPACER	Water Req gal/sk 0			Yield ft³/sk 0			# Sacks 0		
Fluid Composition									
WATER									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
2.56	7.61	2	74	3.08	129	0	0	12:49 AM	12:50 AM

CEMENT	Water Req gal/sk 6.51			Yield ft³/sk 1.34			# Sacks 210		
Fluid Composition									
CEMENT									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
63.33	14.7	5.31	265	5.66	306	0	0	12:52 AM	1:04 AM

DISPLACMENT	Water Req gal/sk 0			Yield ft³/sk 0			# Sacks 0		
Fluid Composition									
WATER									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
17.5	8.2	3.51	77	4.91	203	0	11.22	1:07 AM	1:15 AM

Event Summary					
Activity Description (Job Marker)	Dens PPG	Press PSI	Rate bpm	Total bbl	Time
PSI TEST	8.26	875.00	1.40	8.60	12:47:24 AM
PUMP SPACER 3 BBL	8.08	46.00	1.52	0.00	12:49:39 AM
Pump cement	14.17	40.00	0.78	1.20	12:52:22 AM
SHUT DOWN	11.38	64.00	1.85	66.70	1:04:29 AM
Drop plug	12.30	24.00	0.00	66.70	1:05:57 AM
STAER DISPLMENT	12.09	50.00	0.65	66.70	1:07:35 AM
SHUT DOWN	7.36	139.00	2.50	21.50	1:15:53 AM
Paused 01:26:01	7.34	24.00	0.00	21.90	1:26:01 AM

ALLIED OIL & GAS SERVICES, LLC

COMPANY: _____ DATE: _____

WELL NAME: _____

LEGALS: 6-34S-3E

Clarksburg, WV (304) 626-3078 | Russell, KS (785) 483-2627 | Great Bend, KS (620) 793-5861 | Oakley, KS (785) 672-3452 | Muncy, PA (570) 546-0357 | Medicine Lodge, KS (620) 886-5926 | Liberal, KS (620) 624-5937

VOL. BETWEEN PIPE & HOLE CAP

	BBL/FT	FT/BBL	CF/LF
4 1/2 - 7 7/8	.0406	24.65	.2278
5 1/2 - 7 7/8	.0309	32.41	.1733
8 5/8 - 12 1/4	.0735	13.61	.4127
8 5/8 - 12 1/4	.0553	17.93	.3132
13 3/8 - 17 1/2	.1924	8.05	.8946

TUBING & CASING SIZE & CAP.

	WT.	BBL/FT	FT/BBL
2 3/8	4.6	.0039	258.61
2 7/8	6.5	.0058	172.78
3 1/2	9.3	.0087	114.93
4 1/2	10.5	.0159	62.70
4 1/2	11.6	.0155	64.34
5 1/2	15.5	.0238	42.01
5 1/2	17.0	.0232	43.02
5 1/2	20.0	.0222	45.09
6 1/2	23.0	.0212	47.20
8 5/8	32.0	.0609	16.41
9 5/8	36.0	.0773	12.94

D.P. SIZE: _____ TUBING SIZE: _____ CASING SIZE: _____

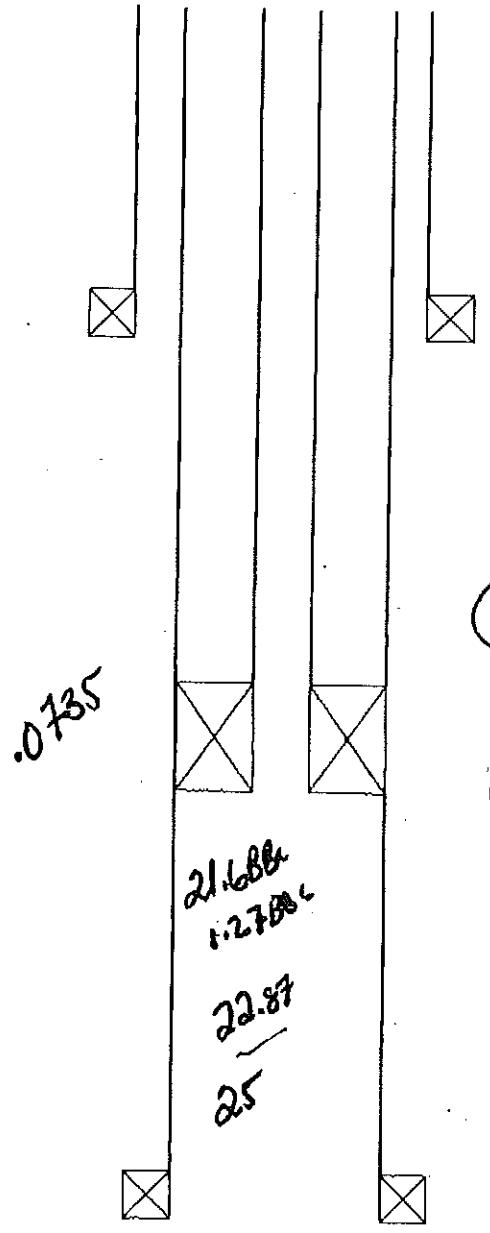
HOLE SIZE: _____ PERFS: _____

PACKER SETTING: _____ BP SETTING: _____ MAX RATE: _____

MAX PSI: _____ BHST: _____ FORM: _____ TAIL PIPE: _____

VOL. BETWEEN PIPE & PIPE CAP

	WT.	BBL/FT	FT/BBL	CF/LF
2/30 - 4 1/2	11.6	.0101	99.37	.0565
2 3/8 - 5 1/2	17.0	.0178	56.26	.0998
2 7/8 - 5 1/2	17.0	.0152	65.71	.0854
2 7/8 - 7	23.0	.0313	31.91	.1760



8 5/8 24# .0636

12 1/4 Hl. 315'

Pipe - 295.4'

20' Shoe Joint

275.4 x .0636 = 17.5 BBL Disp

.4127 x 295' = 121.7

.7896

.483 ü

1.34 15.2 6.51

.3566

265 Ft

1048 PSI

.3575 7.15 Ft

128.85 Ft

31 BBL mix H20

47.7 BBL Cmt

DRILL STEM TEST REPORT

American Warrior

PO Box 399
Garden City, KS 67846

ATTN: Dan Johnson

6-34S-3E Cowley

1 B Houk

Job Ticket: 57921 **DST#: 3**

Test Start: 2015.11.03 @ 19:23:47

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:10:02
Time Test Ended: 01:00:47

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 3726.00 ft (KB) To 3738.00 ft (KB) (TVD)
Total Depth: 3738.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

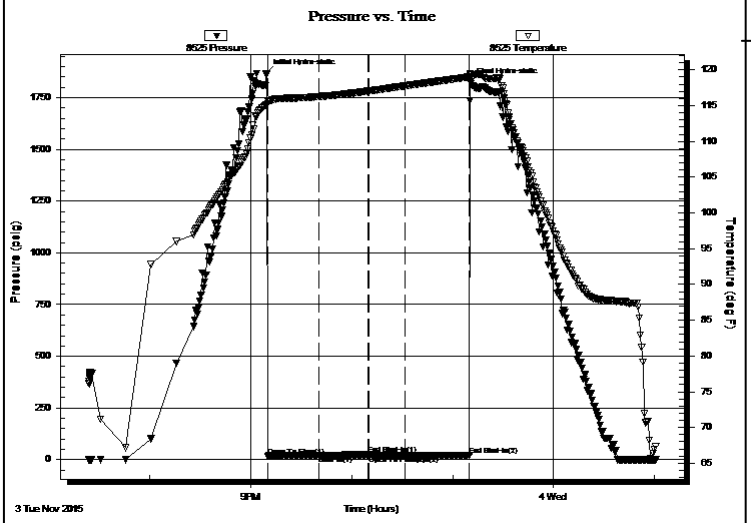
Reference Elevations: 1102.00 ft (KB)
1089.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8525 **Inside**

Press@RunDepth: 20.83 psig @ 3727.00 ft (KB)
Start Date: 2015.11.03 End Date: 2015.11.04
Start Time: 19:23:48 End Time: 01:00:47

Capacity: 8000.00 psig
Last Calib.: 2015.11.04
Time On Btm: 2015.11.03 @ 21:09:17
Time Off Btm: 2015.11.03 @ 23:10:32

TEST COMMENT: IF: Weak 1/4 inch Blow
ISI: No Blow Back
FF: Weak Surface Blow
FSI: No Blolw Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1867.31	115.09	Initial Hydro-static
1	16.13	115.31	Open To Flow (1)
31	20.74	116.25	Shut-In(1)
61	24.02	117.03	End Shut-In(1)
61	19.91	117.04	Open To Flow (2)
83	20.83	117.76	Shut-In(2)
121	22.93	119.03	End Shut-In(2)
122	1825.14	119.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

PO Box 399
Garden City, KS 67846

ATTN: Dan Johnson

6-34S-3E Cowley

1 B Houk

Job Ticket: 57921 **DST#: 3**

Test Start: 2015.11.03 @ 19:23:47

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:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

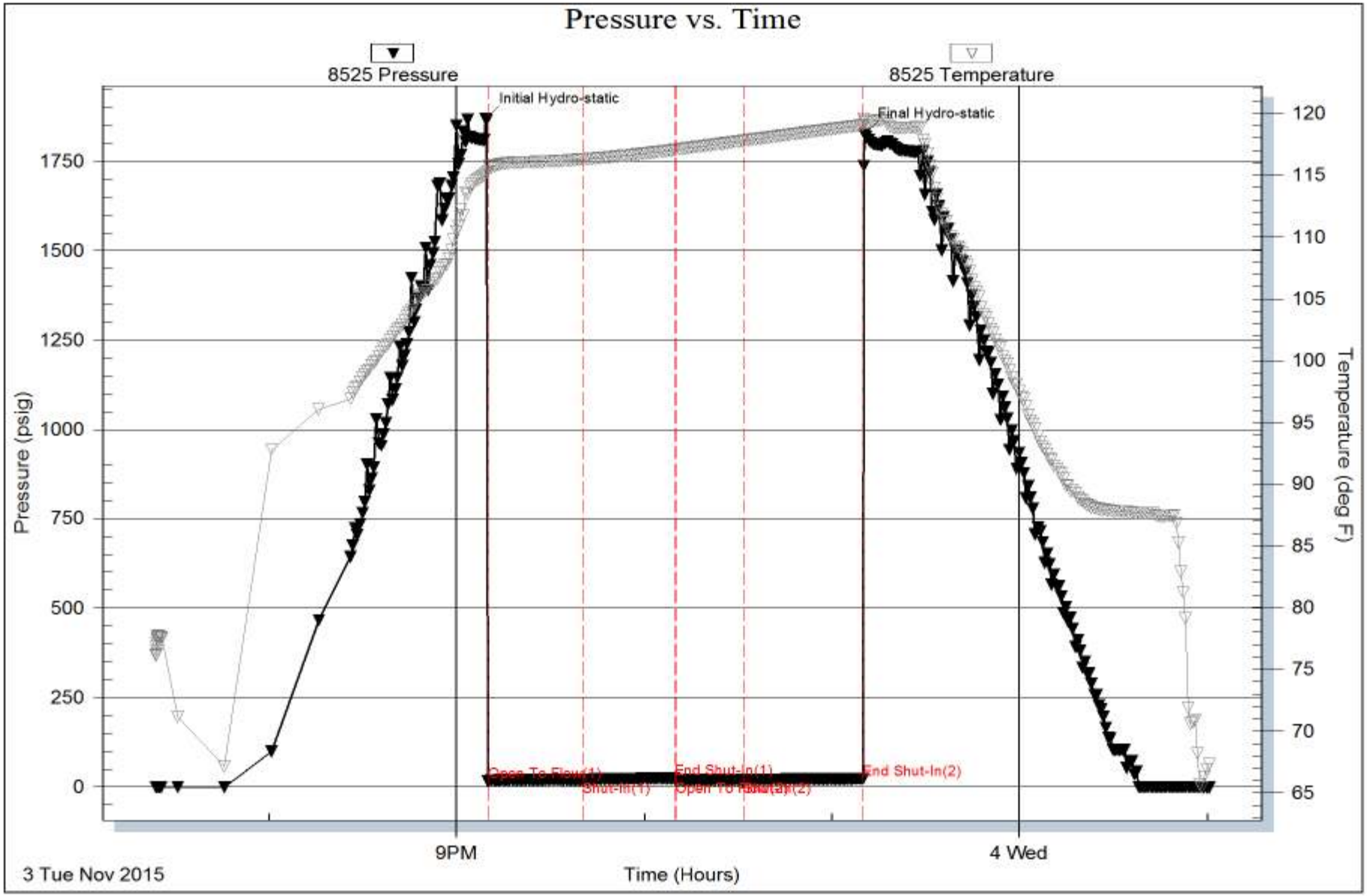
Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8525 **Inside** American Warrior 1 B Houk DST Test Number: 3



Trilobite Testing, Inc Ref. No: 57921 Printed: 2015.11.04 @ 08:20:20